

2016 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 1: Energy Analysis

December 2016



2016 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 1

Energy Analysis

BONNEVILLE POWER ADMINISTRATION
December 2016

Cover Picture:

Keys Pumping Station penstocks, Grand Coulee Dam, and Lake Roosevelt located at Coulee Dam, Washington.

Source: Tim Misley, taken August 2016

Grand Coulee Power facilities are among the largest in the world; with a nameplate rating of 6,735 megawatts. The John W. Keys III Pump-Generating Plant has a total generating capacity of 314 megawatts and was completed in 1973. It contains 12 pumps that can lift water from the Columbia River up the hillside to a canal that flows in to Banks Lake, which provides irrigation water to over 670,000 acres in the Columbia Basin Project. Six of the pumps can be reversed to generate hydroelectricity when demand exists.

Grand Coulee Dam forms Franklin D. Roosevelt Lake, extending 151 miles upstream to the Canadian border. It has a 600-mile shoreline and a surface area of 82,000 acres.

ACKNOWLEDGMENTS

Preparation of the annual Pacific Northwest loads and resources study is a complex, multidisciplinary effort. BPA wishes to acknowledge the team—BPA staff and others—whose diligence and dedication result in a reliable, high quality document.

Bonneville Power Administration

Generation Asset Management:

Long Term Power Planning Group
Regional Coordination Group
Operational Planning Group

Customer Support Services:

Load Forecasting and Analysis Group

Bulk Marketing and Transmission Services:

Long Term Sales and Purchasing Group

NW Requirements Marketing:

Office of General Counsel

Power Services Business Operations

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Section 1: Annual Energy Operating Year 2018 to 2027

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Exhibit 1
Federal Report Surplus Deficit

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | |
| 1 Load Following | 3402 | 3425 | 3446 | 3474 | 3485 | 3499 | 3512 | 3531 | 3546 | 3560 |
| 2 Preference Customers | 3106 | 3117 | 3127 | 3151 | 3162 | 3176 | 3190 | 3206 | 3220 | 3233 |
| 3 Federal Agencies | 113 | 125 | 137 | 140 | 140 | 140 | 140 | 142 | 143 | 144 |
| 4 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 5 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Tier 1 Block | 2.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Tier 1 Block | 2.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Slice | 3624 | 3631 | 3685 | 3669 | 3684 | 3678 | 3694 | 3685 | 3699 | 3681 |
| 9 Slice Block | 1768 | 1804 | 1784 | 1825 | 1798 | 1835 | 1808 | 1842 | 1813 | 1838 |
| 10 Slice Output from T1 System | 1856 | 1827 | 1900 | 1844 | 1886 | 1844 | 1886 | 1843 | 1886 | 1843 |
| 11 Direct Service Industries | 49.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 12 DSI | 49.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 13 Contract Deliveries | 593 | 547 | 479 | 478 | 477 | 477 | 477 | 477 | 477 | 477 |
| 14 Exports | 518 | 486 | 464 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| 15 Intra-Regional Transfers (Out) | 75.1 | 61.5 | 15.1 | 11.9 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 16 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Total Firm Obligations | 7671 | 7692 | 7698 | 7708 | 7734 | 7742 | 7771 | 7781 | 7809 | 7806 |
| Net Resources | | | | | | | | | | |
| 18 Hydro Resources | 6550 | 6595 | 6657 | 6608 | 6608 | 6608 | 6606 | 6608 | 6608 | 6608 |
| 19 Regulated Hydro - Net | 6208 | 6252 | 6314 | 6265 | 6265 | 6265 | 6264 | 6265 | 6265 | 6265 |
| 20 Independent Hydro - Net | 340 | 340 | 339 | 340 | 340 | 340 | 339 | 340 | 340 | 340 |
| 21 Small Hydro - Net | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 22 Other Resources | 1158 | 995 | 1158 | 992 | 1154 | 991 | 1154 | 991 | 1154 | 991 |
| 23 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Large Thermal Resources | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 |
| 26 Renewable Resources | 57.9 | 57.9 | 57.9 | 54.6 | 54.0 | 54.0 | 53.9 | 54.0 | 54.0 | 54.0 |
| 27 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Contract Purchases | 427 | 368 | 294 | 269 | 173 | 173 | 174 | 173 | 174 | 173 |
| 29 Imports | 89.9 | 89.9 | 90.0 | 84.5 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 30 Intra-Regional Transfers (In) | 165 | 107 | 31.4 | 12.4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Non-Federal CER | 137 | 137 | 137 | 137 | 136 | 137 | 137 | 137 | 137 | 137 |
| 32 Slice Transmission Loss Return | 35.3 | 34.7 | 36.1 | 35.0 | 35.8 | 35.0 | 35.8 | 35.0 | 35.8 | 35.0 |
| 33 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 Reserves & Losses | -243 | -238 | -243 | -235 | -237 | -233 | -237 | -233 | -237 | -233 |
| 35 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Loads and Resources - Federal System
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ³⁹ Transmission Losses | -243 | -238 | -243 | -235 | -237 | -233 | -237 | -233 | -237 | -233 |
| ⁴⁰ Total Net Resources | 7892 | 7720 | 7866 | 7633 | 7697 | 7539 | 7696 | 7539 | 7698 | 7539 |
| ⁴¹ Total Surplus/Deficit | 220 | 28 | 168 | -75 | -37 | -203 | -74 | -241 | -112 | -267 |

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Exhibit 2
Regional Report Surplus Deficit

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Loads and Resources - Pacific Northwest Region

Operating Year: 2018 to 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | |
| 1 Retail Loads | 22547 | 22823 | 23114 | 23408 | 23679 | 23952 | 24214 | 24488 | 24758 | 24994 |
| 2 Federal Agency | 123 | 135 | 147 | 150 | 150 | 150 | 150 | 152 | 153 | 154 |
| 3 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 4 Cooperative | 1974 | 2009 | 2043 | 2081 | 2118 | 2155 | 2190 | 2229 | 2264 | 2285 |
| 5 Municipality | 2668 | 2688 | 2713 | 2732 | 2740 | 2748 | 2756 | 2763 | 2770 | 2755 |
| 6 Public Utility District | 4768 | 4795 | 4832 | 4883 | 4924 | 4967 | 4999 | 5037 | 5071 | 5104 |
| 7 Investor-Owned Utility | 12406 | 12588 | 12772 | 12954 | 13139 | 13324 | 13512 | 13698 | 13890 | 14086 |
| 8 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 9 Direct-Service Industry | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 |
| 10 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Exports | 1201 | 1159 | 1136 | 1138 | 1044 | 1015 | 985 | 984 | 984 | 984 |
| 12 Canada | 480 | 473 | 464 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| 13 East Continental Divide | 6.80 | 2.46 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 14 Inland Southwest | 24.0 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 15 Pacific Southwest | 690 | 670 | 657 | 658 | 563 | 534 | 504 | 503 | 503 | 503 |
| 16 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Total Regional Loads | 23748 | 23983 | 24250 | 24546 | 24723 | 24966 | 25199 | 25472 | 25742 | 25978 |
| Regional Resources | | | | | | | | | | |
| 18 Hydro Resources | 11826 | 11882 | 11963 | 11876 | 11865 | 11865 | 11861 | 11865 | 11865 | 11865 |
| 19 Regulated Hydro - Net | 10525 | 10582 | 10663 | 10600 | 10599 | 10599 | 10596 | 10599 | 10599 | 10599 |
| 20 Independent Hydro - Net | 1053 | 1053 | 1052 | 1027 | 1017 | 1017 | 1016 | 1017 | 1017 | 1017 |
| 21 Small Hydro - Net | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 249 | 249 | 249 |
| 22 Other Resources | 16370 | 16132 | 16264 | 15551 | 15104 | 14645 | 14874 | 14618 | 14316 | 14007 |
| 23 Cogeneration Resources | 2300 | 2282 | 2295 | 2300 | 2282 | 2295 | 2301 | 2282 | 2295 | 2300 |
| 24 Combustion Turbine Resources | 5826 | 5825 | 5827 | 5829 | 5828 | 5787 | 5785 | 5784 | 5783 | 5783 |
| 25 Large Thermal Resources | 6255 | 6036 | 6152 | 5431 | 5005 | 4572 | 4799 | 4561 | 4249 | 3934 |
| 26 Renewable Resources | 1953 | 1954 | 1954 | 1955 | 1954 | 1954 | 1954 | 1955 | 1954 | 1954 |
| 27 Small Thermal & Miscellaneous | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| 28 Imports | 667 | 658 | 662 | 660 | 580 | 584 | 588 | 591 | 595 | 599 |
| 29 Canada | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 30 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Inland Southwest | 480 | 484 | 487 | 491 | 494 | 498 | 502 | 506 | 509 | 513 |
| 32 Pacific Southwest | 148 | 136 | 136 | 131 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 33 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 Reserves & Losses | -857 | -852 | -858 | -834 | -818 | -805 | -811 | -804 | -795 | -786 |
| 35 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Transmission Losses | -857 | -852 | -858 | -834 | -818 | -805 | -811 | -804 | -795 | -786 |
| 40 Total Regional Resources | 28006 | 27821 | 28032 | 27253 | 26732 | 26289 | 26511 | 26271 | 25982 | 25685 |
| 41 Total Surplus/Deficit | 4258 | 3839 | 3782 | 2707 | 2009 | 1323 | 1312 | 798 | 240 | -293 |

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Exhibit 3
Regional Total Retail Loads

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Total Retail Loads
Operating Year 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | |
| 1 Federal Agency | 123 | 135 | 147 | 150 | 150 | 150 | 150 | 152 | 153 | 154 |
| 2 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 3 Cooperative | 1974 | 2009 | 2043 | 2081 | 2118 | 2155 | 2190 | 2229 | 2264 | 2285 |
| 4 Municipality | 2668 | 2688 | 2713 | 2732 | 2740 | 2748 | 2756 | 2763 | 2770 | 2755 |
| 5 Public Utility District | 4757 | 4784 | 4821 | 4872 | 4914 | 4956 | 4988 | 5026 | 5060 | 5093 |
| 6 Investor-Owned Utility | 12406 | 12588 | 12772 | 12954 | 13139 | 13324 | 13512 | 13698 | 13890 | 14086 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 22536 | 22812 | 23104 | 23397 | 23669 | 23941 | 24204 | 24477 | 24747 | 24983 |
| Non-Firm Loads | | | | | | | | | | |
| 10 Public Utility District | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 11 Total Non-Firm Loads | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | |
| 12 Federal Agency | 123 | 135 | 147 | 150 | 150 | 150 | 150 | 152 | 153 | 154 |
| 13 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 14 Cooperative | 1974 | 2009 | 2043 | 2081 | 2118 | 2155 | 2190 | 2229 | 2264 | 2285 |
| 15 Municipality | 2668 | 2688 | 2713 | 2732 | 2740 | 2748 | 2756 | 2763 | 2770 | 2755 |
| 16 Public Utility District | 4768 | 4795 | 4832 | 4883 | 4924 | 4967 | 4999 | 5037 | 5071 | 5104 |
| 17 Investor-Owned Utility | 12406 | 12588 | 12772 | 12954 | 13139 | 13324 | 13512 | 13698 | 13890 | 14086 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 22547 | 22823 | 23114 | 23408 | 23679 | 23952 | 24214 | 24488 | 24758 | 24994 |

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Exhibit 4
Regional Exports

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional Exports
Operating Year 2018 to 2018
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 469 | 464 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 11.1 | 9.11 | 9.80 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 3 Total Exports to CAN | 480 | 473 | 464 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| East Continental Divide | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 6.80 | 2.46 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 6.80 | 2.46 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 7 BPA-P to Other Entities | 10.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | |
| 8 UAMP to UAMP TS PwrP | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 9 Total Exports to ISW | 24.0 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Pacific Southwest | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 10 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to Other Entities | 26.1 | 12.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 MCQC to BURB PwrS LTFirm | 4.26 | 4.26 | 4.25 | 4.26 | 4.26 | 4.26 | 4.25 | 4.26 | 4.26 | 4.26 |
| 16 PSE to PG&E SNX Del | 47.1 | 47.1 | 47.0 | 47.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 SCL to NCPA SNX Del | 5.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | |
| 18 BURB to BURB TS PwrP | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 19 GLEN to GLEN TS PwrP | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 20 LDWP to LDWP TS PwrP | 101 | 101 | 101 | 101 | 101 | 101 | 85.0 | 83.8 | 83.8 | 83.8 |
| 21 MID to MID TS PwrP | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 22 Other Entities to Other Entities | 88.1 | 88.1 | 88.0 | 88.1 | 88.1 | 88.1 | 88.0 | 88.1 | 88.1 | 88.1 |
| 23 PG&E to PG&E TS PwrP | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 58.1 | 45.4 | 45.4 | 45.4 | 45.4 |
| 24 SCE to SCE TS PwrP | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 |
| 25 SMUD to SMUD TS PwrP | 44.3 | 44.3 | 44.3 | 44.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 TID to TID TS PwrP | 32.2 | 32.2 | 32.1 | 32.2 | 32.2 | 32.2 | 32.1 | 32.2 | 32.2 | 32.2 |
| 27 Intertie Losses | 20 | 20 | 19 | 19 | 16 | 16 | 15 | 15 | 15 | 15 |
| 28 Total Exports to PSW | 690 | 670 | 657 | 658 | 563 | 534 | 504 | 503 | 503 | 503 |
| Total Exports | | | | | | | | | | |
| 29 Federal Entities | 518 | 486 | 464 | 466 | 466 | 466 | 466 | 466 | 466 | 466 |
| 30 Investor Owned Utilities | 369 | 365 | 363 | 363 | 316 | 287 | 274 | 275 | 275 | 275 |
| 31 Marketer | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 32 Municipality | 244 | 239 | 239 | 239 | 194 | 194 | 179 | 177 | 177 | 177 |
| 33 Total Exports | 1182 | 1140 | 1117 | 1119 | 1028 | 999 | 970 | 969 | 969 | 969 |

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Exhibit 5
Regional Imports

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Imports
Operating Year 2018 to 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 35.4 | 35.4 | 35.5 | 35.4 | 35.4 | 35.4 | 35.5 | 35.4 | 35.4 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 4 Total Imports From CAN | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| Inland Southwest | | | | | | | | | | |
| Transfer Services | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 480 | 484 | 487 | 491 | 494 | 498 | 502 | 506 | 509 | 513 |
| 6 Total Imports From ISW | 480 | 484 | 487 | 491 | 494 | 498 | 502 | 506 | 509 | 513 |
| Pacific Southwest | | | | | | | | | | |
| Contracts | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities to Other Entities | 88.9 | 88.9 | 89.0 | 83.5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 PG&E to PSE SNX Ret | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 15 NCPA to SCL SNX Ret | 12.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Imports From PSW | 148 | 136 | 136 | 131 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| Total Imports | | | | | | | | | | |
| 17 Federal Entities | 89.9 | 89.9 | 90.0 | 84.5 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 18 Investor Owned Utilities | 529 | 533 | 537 | 540 | 544 | 548 | 551 | 555 | 559 | 562 |
| 19 Municipality | 47.8 | 35.4 | 35.5 | 35.4 | 35.4 | 35.4 | 35.5 | 35.4 | 35.4 | 35.4 |
| 20 Total Imports | 667 | 658 | 662 | 660 | 580 | 584 | 588 | 591 | 595 | 599 |

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Exhibit 6
Regional Intra-Regional Transfers

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Intra-Regional Transfers
Operating Year 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | |
| Contracts | 475 | 383 | 261 | 239 | 225 | 225 | 225 | 225 | 225 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 46.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 21.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 46.4 | 46.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 13.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 4.36 | 4.36 | 4.36 | 1.18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 1.28 | 1.28 | 1.29 | 1.27 | 1.28 | 1.28 | 1.29 | 1.28 | 1.28 | 1.27 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 5.47 | 5.47 | 5.46 | 5.47 | 5.47 | 5.47 | 5.46 | 5.47 | 5.47 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 9.99 | 10.0 | 10.00 | 10.0 | 9.99 | 10.0 | 10.00 | 10.0 | 9.99 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 9.66 | 9.66 | 9.65 | 9.66 | 9.66 | 9.66 | 9.65 | 9.66 | 9.66 | 9.66 |
| 15 Other Entities to BPA-P | 114 | 103 | 27.0 | 11.7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 4.36 | 4.37 | 4.36 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 475 | 383 | 261 | 239 | 225 | 225 | 225 | 225 | 225 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | |
| 26 Federal Entities | 75.1 | 61.5 | 15.1 | 11.9 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 27 Investor Owned Utilities | 110 | 28.3 | 17.1 | 13.5 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 |
| 28 Marketer | 217 | 220 | 156 | 141 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| 30 Public Utility District | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 | 24.7 |
| 31 Total Regional Contracts Out | 475 | 383 | 261 | 239 | 225 | 225 | 225 | 225 | 225 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | |
| 32 Federal Entities | 184 | 126 | 50.5 | 31.5 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 | 19.1 |
| 33 Investor Owned Utilities | 173 | 173 | 126 | 123 | 122 | 122 | 122 | 122 | 122 | 122 |
| 34 Marketer | 49.2 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 |
| 36 Public Utility District | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 37 Total Regional Contracts In | 475 | 383 | 261 | 239 | 225 | 225 | 225 | 225 | 225 | 225 |

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Exhibit 7
BPA Sales to Preference and Legacy Customers

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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BPA Sales to Preference and Legacy Customers
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | |
| 1 DSI Obligation | 49.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 2 Direct Service Industry | 49.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 3 Load Following | 3219 | 3243 | 3264 | 3291 | 3303 | 3316 | 3330 | 3348 | 3363 | 3377 |
| 4 Cooperative | 1824 | 1824 | 1813 | 1822 | 1828 | 1833 | 1839 | 1846 | 1851 | 1857 |
| 5 Municipality | 569 | 573 | 590 | 604 | 606 | 610 | 612 | 615 | 617 | 619 |
| 6 Other | 3.43 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 7 Public Utility District | 709 | 716 | 720 | 722 | 724 | 729 | 735 | 741 | 747 | 752 |
| 8 Federal Entities | 113 | 125 | 137 | 140 | 140 | 140 | 140 | 142 | 143 | 144 |
| 9 Slice Block | 1768 | 1804 | 1784 | 1825 | 1798 | 1835 | 1808 | 1842 | 1813 | 1838 |
| 10 Municipality | 591 | 600 | 591 | 603 | 594 | 606 | 598 | 610 | 600 | 603 |
| 11 Public Utility District | 1177 | 1204 | 1194 | 1222 | 1204 | 1228 | 1210 | 1232 | 1213 | 1235 |
| 12 Slice Output from T1 System | 1856 | 1827 | 1900 | 1844 | 1886 | 1844 | 1886 | 1843 | 1886 | 1843 |
| 13 Municipality | 623 | 613 | 638 | 619 | 633 | 619 | 633 | 619 | 633 | 619 |
| 14 Public Utility District | 1233 | 1214 | 1262 | 1225 | 1253 | 1225 | 1253 | 1225 | 1253 | 1225 |
| 15 Tier 1 Block | 2.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Public Utility District | 2.98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 USBR Obligation | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 18 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| Total Power Sales Contracts | | | | | | | | | | |
| 19 Cooperative | 1824 | 1824 | 1813 | 1822 | 1828 | 1833 | 1839 | 1846 | 1851 | 1857 |
| 20 Direct Service Industry | 49.8 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 21 Federal Entities | 113 | 125 | 137 | 140 | 140 | 140 | 140 | 142 | 143 | 144 |
| 22 Municipality | 1783 | 1787 | 1819 | 1826 | 1834 | 1835 | 1843 | 1843 | 1851 | 1841 |
| 23 Other | 3.43 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 24 Public Utility District | 3121 | 3134 | 3176 | 3168 | 3181 | 3182 | 3198 | 3198 | 3213 | 3212 |
| 25 USBR | 183 | 183 | 182 | 183 | 183 | 183 | 182 | 183 | 183 | 183 |
| 26 Total Power Sales Contracts | 7078 | 7144 | 7219 | 7230 | 7258 | 7265 | 7294 | 7304 | 7333 | 7329 |

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Exhibit 8
Regional Regulated Hydro

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------------------------|------|------|------|------|------|------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 21.7 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 2 Alder Hydroelectric | 21.1 | 20.5 | 20.9 | 21.0 | 21.0 | 21.0 | 20.9 | 21.0 | 21.0 | 21.0 |
| 3 Bonneville | 387 | 391 | 394 | 391 | 391 | 391 | 391 | 391 | 391 | 391 |
| 4 Boundary | 334 | 334 | 333 | 334 | 334 | 334 | 333 | 334 | 334 | 334 |
| 5 Box Canyon Dam | 44.8 | 44.8 | 44.8 | 44.9 | 44.9 | 44.9 | 44.8 | 44.9 | 44.9 | 44.9 |
| 6 Brownlee | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 |
| 7 Cabinet Gorge | 88.5 | 88.5 | 88.4 | 88.5 | 88.5 | 88.5 | 88.4 | 88.5 | 88.5 | 88.5 |
| 8 Chelan Lake | 40.2 | 38.6 | 38.7 | 38.8 | 38.8 | 38.8 | 38.7 | 38.8 | 38.8 | 38.8 |
| 9 Chief Joseph | 1089 | 1100 | 1112 | 1101 | 1101 | 1101 | 1101 | 1101 | 1101 | 1101 |
| 10 Cushman 1 | 10.7 | 9.05 | 9.03 | 9.04 | 9.04 | 9.04 | 9.03 | 9.04 | 9.04 | 9.04 |
| 11 Cushman 2 | 19.9 | 16.8 | 16.5 | 16.6 | 16.6 | 16.6 | 16.5 | 16.6 | 16.6 | 16.6 |
| 12 Diablo | 84.9 | 83.9 | 83.6 | 84.8 | 84.8 | 84.8 | 84.7 | 84.8 | 84.8 | 84.8 |
| 13 Dworshak | 141 | 139 | 137 | 137 | 137 | 137 | 137 | 137 | 137 | 137 |
| 14 Faraday | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 15 Gorge | 98.6 | 97.7 | 97.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 16 Grand Coulee | 1888 | 1908 | 1941 | 1921 | 1921 | 1921 | 1920 | 1921 | 1921 | 1921 |
| 17 Hells Canyon | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| 18 Hungry Horse | 74.6 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 19 Ice Harbor | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 20 John Day | 779 | 785 | 791 | 785 | 785 | 785 | 785 | 785 | 785 | 785 |
| 21 Kerr | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 22 La Grande | 35.3 | 33.9 | 32.8 | 32.9 | 32.9 | 32.9 | 32.8 | 32.9 | 32.9 | 32.9 |
| 23 Libby | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 |
| 24 Little Falls | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 25 Little Goose | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 |
| 26 Long Lake | 44.0 | 44.0 | 44.0 | 44.1 | 44.1 | 44.1 | 44.0 | 44.1 | 44.1 | 44.1 |
| 27 Lower Baker | 33.2 | 34.3 | 35.4 | 35.5 | 35.5 | 35.5 | 35.4 | 35.5 | 35.5 | 35.5 |
| 28 Lower Granite | 149 | 149 | 149 | 149 | 149 | 148 | 149 | 148 | 149 | 148 |
| 29 Lower Monumental | 150 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 |
| 30 Mayfield | 68.0 | 68.0 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| 31 McNary | 474 | 478 | 482 | 478 | 478 | 478 | 478 | 478 | 478 | 478 |
| 32 Merwin | 51.7 | 51.6 | 51.9 | 52.0 | 52.0 | 52.0 | 51.9 | 52.0 | 52.0 | 52.0 |
| 33 Monroe Street | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 34 Mossyrock | 95.8 | 95.8 | 95.2 | 95.4 | 95.4 | 95.4 | 95.2 | 95.4 | 95.4 | 95.4 |
| 35 Nine Mile | 10.6 | 10.6 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 36 North Fork | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 | 20.2 |
| 37 Noxon Rapids | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 38 Oak Grove | 24.3 | 24.6 | 24.5 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 39 Oxbow | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 40 Pelton | 41.0 | 41.0 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| 41 Pelton Rereq | 8.23 | 8.40 | 8.39 | 8.40 | 8.40 | 8.40 | 8.40 | 8.40 | 8.40 | 8.40 |
| 42 Post Falls | 7.39 | 7.38 | 7.40 | 7.41 | 7.41 | 7.41 | 7.40 | 7.41 | 7.41 | 7.41 |
| 43 Priest Rapids | 414 | 419 | 424 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |
| 44 River Mill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 45 Rock Island | 319 | 322 | 324 | 322 | 322 | 322 | 322 | 322 | 322 | 322 |
| 46 Rocky Reach | 590 | 596 | 601 | 596 | 596 | 596 | 596 | 596 | 596 | 596 |
| 47 Ross | 76.4 | 75.3 | 73.9 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 48 Round Butte | 86.7 | 86.6 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 49 Swift 1 | 61.2 | 61.2 | 60.8 | 61.0 | 61.0 | 61.0 | 60.9 | 61.0 | 61.0 | 61.0 |
| 50 Swift 2 | 22.3 | 22.2 | 22.1 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 |
| 51 The Dalles | 595 | 599 | 605 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 52 Thompson Falls | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| 53 Upper Baker | 34.9 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 34.9 | 35.0 | 35.0 | 35.0 |
| 54 Upper Falls | 7.50 | 7.50 | 7.53 | 7.54 | 7.54 | 7.54 | 7.53 | 7.54 | 7.54 | 7.54 |
| 55 Wanapum | 373 | 379 | 384 | 379 | 379 | 379 | 379 | 379 | 379 | 379 |
| 56 Wells | 352 | 355 | 359 | 356 | 356 | 356 | 356 | 356 | 356 | 356 |
| 57 Yale | 57.0 | 57.0 | 56.8 | 57.0 | 57.0 | 57.0 | 56.9 | 57.0 | 57.0 | 57.0 |

Regional: Regulated Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | |
| 58 Federal Entities | 6208 | 6252 | 6314 | 6265 | 6265 | 6265 | 6264 | 6265 | 6265 | 6265 |
| 59 Investor Owned Utilities | 1822 | 1640 | 1623 | 1621 | 1621 | 1621 | 1620 | 1621 | 1621 | 1621 |
| 60 Marketer | 387 | 390 | 394 | 391 | 391 | 391 | 391 | 391 | 391 | 391 |
| 61 Municipality | 912 | 903 | 901 | 905 | 905 | 905 | 904 | 905 | 905 | 905 |
| 62 Public Utility District | 1196 | 1397 | 1432 | 1418 | 1418 | 1418 | 1418 | 1418 | 1418 | 1418 |
| 63 Total Regulated Hydro | 10525 | 10582 | 10663 | 10600 | 10599 | 10599 | 10596 | 10599 | 10599 | 10599 |

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Exhibit 9
Regional Independent Hydro

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Independent Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------|------|------|------|------|------|------|------|------|------|------|
| Independent Hydro | | | | | | | | | | |
| 1 American Falls Hydroelectric | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 2 Anderson Ranch | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| 3 Arrowrock Hydro | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 6 Big Cliff | 9.66 | 9.66 | 9.65 | 9.66 | 9.66 | 9.66 | 9.65 | 9.66 | 9.66 | 9.66 |
| 7 Big Fork | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 |
| 8 Black Canyon | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| 9 Bliss | 35.1 | 35.1 | 35.0 | 35.1 | 35.1 | 35.1 | 35.0 | 35.1 | 35.1 | 35.1 |
| 10 Boise River Diversion | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 | 1.12 |
| 11 Calispel Creek | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 | 8.84 |
| 14 Cedar Falls | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 | 9.04 |
| 15 Chandler | 5.60 | 5.60 | 5.61 | 5.60 | 5.60 | 5.60 | 5.61 | 5.60 | 5.60 | 5.60 |
| 16 CJ Strike | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| 17 Clear Lake | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 | 1.78 |
| 18 Cougar | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 19 Cowlitz Falls | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 | 26.2 |
| 20 Detroit | 33.3 | 33.3 | 33.2 | 33.3 | 33.3 | 33.3 | 33.2 | 33.3 | 33.3 | 33.3 |
| 21 Dexter | 9.29 | 9.29 | 9.27 | 9.29 | 9.29 | 9.29 | 9.27 | 9.29 | 9.29 | 9.29 |
| 22 Eagle Point | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 23 Electron | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 | 14.6 |
| 24 Felt Hydro Project | 3.84 | 3.84 | 3.83 | 3.84 | 3.84 | 3.84 | 3.83 | 3.84 | 3.84 | 3.84 |
| 25 Foster | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| 26 Gem State Hydro | 8.28 | 8.28 | 8.30 | 8.28 | 8.28 | 8.28 | 8.30 | 8.28 | 8.28 | 8.28 |
| 27 Grace | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 28 Green Peter | 26.9 | 26.9 | 26.8 | 26.9 | 26.9 | 26.9 | 26.8 | 26.9 | 26.9 | 26.9 |
| 29 Green Springs | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 | 7.32 |
| 30 Helloaring | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 31 Henry M Jackson | 43.0 | 43.0 | 42.9 | 43.0 | 43.0 | 43.0 | 42.9 | 43.0 | 43.0 | 43.0 |
| 32 Hills Creek | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |
| 33 Hood Street | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| 34 Idaho Falls - City Plant | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| 37 Idaho Falls - Upper Plant | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 | 4.14 |
| 38 Island Park | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 |
| 39 John Boyle | 35.9 | 35.9 | 36.0 | 10.6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.93 | 2.93 | 2.92 | 2.93 | 2.93 | 2.93 | 2.92 | 2.93 | 2.93 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 7.43 | 7.43 | 7.44 | 7.43 | 7.43 | 7.43 | 7.44 | 7.43 | 7.43 | 7.43 |
| 43 Lookout Point | 35.3 | 35.3 | 35.2 | 35.3 | 35.3 | 35.3 | 35.2 | 35.3 | 35.3 | 35.3 |
| 44 Lost Creek | 30.0 | 30.0 | 29.9 | 30.0 | 30.0 | 30.0 | 29.9 | 30.0 | 30.0 | 30.0 |
| 45 Lower Malad | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 | 9.63 |
| 46 Lower Salmon Falls | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 |
| 47 McNary Fishway | 8.45 | 8.45 | 8.44 | 8.45 | 8.45 | 8.45 | 8.44 | 8.45 | 8.45 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 50 Minidoka | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| 51 Moyie River | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 | 1.88 |
| 52 Newhalem | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 53 North Umpqua | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 54 Oneida | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 |
| 55 Packwood Lake | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 56 Palisades | 69.2 | 69.2 | 69.0 | 69.2 | 69.2 | 69.2 | 69.0 | 69.2 | 69.2 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 |

Regional: Independent Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 |
| 60 Roza | 6.88 | 6.88 | 6.87 | 6.88 | 6.88 | 6.88 | 6.87 | 6.88 | 6.88 | 6.88 |
| 61 Shoshone Falls | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 | 5.84 |
| 62 Smith Creek (Idaho) | 6.99 | 6.99 | 6.97 | 6.99 | 6.99 | 6.99 | 6.97 | 6.99 | 6.99 | 6.99 |
| 63 Snoqualmie Falls | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 67 South Fork Tolt | 6.55 | 6.55 | 6.54 | 6.55 | 6.55 | 6.55 | 6.54 | 6.55 | 6.55 | 6.55 |
| 68 Stone Creek | 6.22 | 6.22 | 6.21 | 6.22 | 6.22 | 6.22 | 6.21 | 6.22 | 6.22 | 6.22 |
| 69 Strawberry Creek (WY) | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| 70 Swan Falls | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.46 | 4.46 | 4.45 | 4.46 | 4.46 | 4.46 | 4.45 | 4.46 | 4.46 | 4.46 |
| 73 Thousand Springs | 6.28 | 6.28 | 6.27 | 6.28 | 6.28 | 6.28 | 6.27 | 6.28 | 6.28 | 6.28 |
| 74 Trail Bridge | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 |
| 75 TW Sullivan | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 76 Twin Falls (ID) | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 77 Upper Malad | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 | 5.92 |
| 78 Upper Salmon A | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 | 8.41 |
| 79 Upper Salmon B | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 | 7.71 |
| 80 Wallowa Falls | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 81 Walterville | 5.72 | 5.72 | 5.73 | 5.72 | 5.72 | 5.72 | 5.73 | 5.72 | 5.72 | 5.72 |
| 82 Wynoochee Dam | 3.38 | 3.38 | 3.39 | 3.38 | 3.38 | 3.38 | 3.39 | 3.38 | 3.38 | 3.38 |
| 83 Yelm | 7.22 | 7.22 | 7.21 | 7.22 | 7.22 | 7.22 | 7.21 | 7.22 | 7.22 | 7.22 |
| Total Independent Hydro | | | | | | | | | | |
| 84 Cooperative | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 | 7.12 |
| 85 Federal Entities | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 |
| 86 Investor Owned Utilities | 537 | 537 | 536 | 511 | 501 | 501 | 500 | 501 | 501 | 501 |
| 87 Municipality | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 88 Public Utility District | 74.0 | 74.0 | 73.9 | 74.0 | 74.0 | 74.0 | 73.9 | 74.0 | 74.0 | 74.0 |
| 89 Total Independent Hydro | 1053 | 1053 | 1052 | 1027 | 1017 | 1017 | 1016 | 1017 | 1017 | 1017 |

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Exhibit 10
Regional Small Hydro

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Small Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Small Hydro | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 4 Barber Dam | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 6 Beaverton | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 7 Bell Mountain | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Bigg's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 |
| 14 Black Canyon #3 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 15 Black Creek | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 |
| 16 Blind Canyon | 0.57 | 0.57 | 0.56 | 0.57 | 0.57 | 0.57 | 0.56 | 0.57 | 0.57 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 19 Briggs Creek | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| 20 Briggs Project | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| 21 Broadwater | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 3.81 | 4.33 | 3.18 | 3.81 | 3.81 | 3.81 | 3.80 | 3.81 | 3.81 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 0.41 | 0.41 | 0.40 | 0.41 | 0.41 | 0.41 | 0.40 | 0.41 | 0.41 | 0.41 |
| 32 Cedar Draw Creek | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| 33 Central Oregon Siphon | 2.14 | 2.14 | 2.13 | 2.14 | 2.14 | 2.14 | 2.13 | 2.14 | 2.14 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| 36 Clear Springs Trout | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 40 Crystal Springs | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 41 Curry Cattle Co. | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 2.48 | 2.48 | 2.47 | 2.48 | 2.48 | 2.48 | 2.47 | 2.48 | 2.48 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.85 | 0.91 | 0.82 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 |
| 53 Eltopia Branch Canal 4.6 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 54 Esquatzel Small Hydro | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| 55 Falls Creek (Or) | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |

Regional: Small Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.89 | 0.89 | 0.90 | 0.89 | 0.89 | 0.89 | 0.90 | 0.89 | 0.89 | 0.89 |
| 60 Faulkner Ranch | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| 61 Fisheries Development #1 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| 66 Geo-Bon #2 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| 67 Georgetown | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 1.16 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 3.24 | 3.24 | 3.23 | 3.24 | 3.24 | 3.24 | 3.23 | 3.24 | 3.24 | 3.24 |
| 73 Hazelton B | 3.03 | 3.03 | 3.02 | 3.03 | 3.03 | 3.03 | 3.02 | 3.03 | 3.03 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 |
| 78 James White | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 79 Jim Knight | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| 80 John Day Creek | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 81 Juniper Ridge Hydro | 1.45 | 1.45 | 1.44 | 1.45 | 1.45 | 1.45 | 1.44 | 1.45 | 1.45 | 1.45 |
| 82 Kasel-Witherspoon | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 6.38 | 6.38 | 6.37 | 6.38 | 6.38 | 6.38 | 6.37 | 6.38 | 6.38 | 6.38 |
| 85 Koyle Ranch Power | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 | 0.73 |
| 86 L & M Angus Ranch | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 87 Lacombe | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| 96 Little Wood River Reservoir | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 |
| 97 Low line Canal Drop | 5.35 | 5.35 | 5.33 | 5.35 | 5.35 | 5.35 | 5.33 | 5.35 | 5.35 | 5.35 |
| 98 Low Line Midway | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 99 Lower Low line | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 3.56 | 3.56 | 3.55 | 3.56 | 3.56 | 3.56 | 3.55 | 3.56 | 3.56 | 3.56 |
| 105 Main Canal Headworks | 9.82 | 9.82 | 9.80 | 9.82 | 9.82 | 9.82 | 9.80 | 9.82 | 9.82 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 |
| 108 Meyers Falls 1910 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 109 Middle Fork Irrigation District | 2.15 | 2.15 | 2.16 | 2.15 | 2.15 | 2.15 | 2.16 | 2.15 | 2.15 | 2.15 |
| 110 Mile 28 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 113 Mink Creek | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 |
| 114 Mitchell Butte | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| 115 Mora Drop | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|----------------------------------|------|------|------|------|------|------|------|------|------|------|
| 118 Mud Creek | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 119 N-32 Canal | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| 120 Nichols Gap | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 121 Nicholson | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 122 North Fork Sprague | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 123 O. J. Power Company | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 125 Opal Springs | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 | 2.95 |
| 126 Orchard Avenue | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| 127 Owyhee Dam | 1.82 | 1.82 | 1.81 | 1.82 | 1.82 | 1.82 | 1.81 | 1.82 | 1.82 | 1.82 |
| 128 Owyhee Tunnel No 1 | 2.72 | 2.72 | 2.71 | 2.72 | 2.72 | 2.72 | 2.71 | 2.72 | 2.72 | 2.72 |
| 129 Pancheri | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 133 Pine Creek | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.29 | 0.29 | 0.28 | 0.29 | 0.29 | 0.29 | 0.28 | 0.29 | 0.29 | 0.29 |
| 135 Portland Hydro Project | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 136 Portneuf River | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| 137 Potholes East Canal | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 |
| 138 Preston | 0.36 | 0.36 | 0.36 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 139 Pristine Springs | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 |
| 140 Quincy Chute | 3.71 | 3.71 | 3.70 | 3.71 | 3.71 | 3.71 | 3.70 | 3.71 | 3.71 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 143 Rim View | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 144 Rock Creek #1 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| 145 Rock Creek No 2 | 1.61 | 1.61 | 1.60 | 1.61 | 1.61 | 1.61 | 1.60 | 1.61 | 1.61 | 1.61 |
| 146 Rocky Brook | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 147 Russell D. Smith | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 | 1.84 |
| 148 Sagebrush | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| 151 Shingle Creek | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 152 Shoshone | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 156 Snedigar Ranch | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 157 South Dry Creek | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 37.2 | 37.2 | 37.1 | 37.2 | 37.2 | 37.2 | 37.1 | 37.2 | 37.2 | 37.2 |
| 165 Sunshine | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 168 Tiber Dam | 3.24 | 3.24 | 3.23 | 3.24 | 3.24 | 3.24 | 3.23 | 3.24 | 3.24 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 9.57 | 7.69 | 9.56 | 9.57 | 9.57 | 9.57 | 9.56 | 9.57 | 9.57 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 | 9.73 |
| 174 Walla Walla | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| 175 Water Street | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 176 Watson Hydro | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |

Regional: Small Hydro
Operating Year: 2018 to 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 180 Whitefish | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 181 Wilson Lake | 3.14 | 3.14 | 3.13 | 3.14 | 3.14 | 3.14 | 3.13 | 3.14 | 3.14 | 3.14 |
| 182 Wisconsin Noble | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | |
| 189 Cooperative | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 190 Federal Entities | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 |
| 191 Investor Owned Utilities | 150 | 149 | 149 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 192 Marketer | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 193 Municipality | 77.1 | 77.1 | 76.9 | 77.1 | 77.1 | 77.1 | 76.9 | 77.1 | 77.1 | 77.1 |
| 194 Public Utility District | 15.4 | 16.3 | 16.2 | 16.3 | 16.3 | 16.3 | 16.2 | 16.3 | 16.3 | 16.3 |
| 195 Total Small Hydro | 248 | 248 | 248 | 249 | 249 | 249 | 249 | 249 | 249 | 249 |

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Exhibit 11
Regional Combustion Turbines

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Combustion Turbine Resources

Operating Year: 2018 to 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | |
| 1 Alden Baily | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 | 9.94 |
| 2 Basin Creek Project | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| 3 Beaver | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 |
| 4 Beaver | 443 | 443 | 443 | 443 | 443 | 443 | 443 | 443 | 443 | 443 |
| 5 Beaver 8 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 |
| 7 Boulder Park | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 450 | 446 | 446 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| 10 Dave Gates Generating Station | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 | 135 |
| 11 Encogen | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 |
| 12 Evander Andrews Complex | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 |
| 13 Danskin 1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 14 Danskin 2 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 | 156 |
| 15 Frederickson CT | 224 | 224 | 224 | 224 | 224 | 183 | 179 | 179 | 179 | 179 |
| 16 Frederickson Power Project | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 17 Fredonia | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 |
| 18 Fredonia 1 & 2 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 |
| 19 Fredonia 3 & 4 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 20 Goldendale Energy Center | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 |
| 21 Grimes Way | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 | 8.77 |
| 23 Klamath Generation Facility | 436 | 436 | 436 | 436 | 436 | 436 | 436 | 436 | 436 | 436 |
| 24 Klamath Generation Peakings (C | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 25 Lancaster | 208 | 210 | 211 | 212 | 210 | 210 | 211 | 212 | 210 | 210 |
| 26 Langley Gulch CT | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 |
| 27 Mint Farm Energy Center | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 |
| 28 Northeast 1 & 2 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| 29 Olympic View | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 |
| 30 Pasco Peak Power Plant | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 | -2.24 |
| 31 Port Westward | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 |
| 32 Port Westward 1 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 |
| 35 River Road | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 |
| 36 Satsop Combustion Turbine Proj | 584 | 584 | 584 | 584 | 584 | 584 | 584 | 584 | 584 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.48 | 1.48 | 1.49 | 1.48 | 1.48 | 1.48 | 1.49 | 1.48 | 1.48 | 1.48 |
| 38 University of Washington Power | 13.5 | 13.5 | 13.6 | 13.5 | 13.5 | 13.5 | 13.6 | 13.5 | 13.5 | 13.5 |
| 39 Whitehorn | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | |
| 40 Investor Owned Utilities | 4351 | 4350 | 4352 | 4354 | 4353 | 4353 | 4355 | 4354 | 4353 | 4353 |
| 41 Marketer | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 | 1110 |
| 42 Municipality | 17.1 | 17.1 | 17.2 | 17.1 | 17.1 | 17.1 | 17.2 | 17.1 | 17.1 | 17.1 |
| 43 Public Utility District | 348 | 348 | 348 | 348 | 348 | 307 | 303 | 303 | 303 | 303 |
| 44 Total | 5826 | 5825 | 5827 | 5829 | 5828 | 5787 | 5785 | 5784 | 5783 | 5783 |

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Exhibit 12
Regional Renewable Resources

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Renewable Resources
Operating Year: 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|------|------|------|------|------|------|------|------|------|------|
| Renewable Resources | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Baldock Solar | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 10 Bennett Creek Wind | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 |
| 11 Benson Creek Wind | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 |
| 13 Big Horn Wind | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 14 Big Horn 1 | 47.0 | 47.0 | 46.9 | 47.0 | 47.0 | 47.0 | 46.9 | 47.0 | 47.0 | 47.0 |
| 15 Big Horn 2 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 16 Big Sky Dairy | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| 17 Biglow Canyon Wind | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| 18 Biglow Canyon 1 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 19 Biglow Canyon 2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| 20 Biglow Canyon 3 | 41.2 | 41.2 | 41.1 | 41.2 | 41.2 | 41.2 | 41.1 | 41.2 | 41.2 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 23 Burley Butte Wind | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 |
| 24 Camp Reed Wind | 5.30 | 5.30 | 5.29 | 5.30 | 5.30 | 5.30 | 5.29 | 5.30 | 5.30 | 5.30 |
| 25 Cassia Farms Wind | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| 26 Cassia Gulch Wind | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 |
| 30 Coffin Butte 1 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 | 2.38 |
| 31 Coffin Butte 2 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| 32 Cold Springs Wind | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 | 24.5 |
| 35 Combine Hills 2 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |
| 36 Combine Hills 1 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 | 9.65 |
| 37 Condon Wind | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 |
| 38 Condon 1 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 | 5.79 |
| 39 Condon 2 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 45 Domaine Drouhin Solar | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 |
| 50 Durbin Creek Wind | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 51 Echo Wind Farm | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 52 Echo Wind 1 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| 53 Echo Wind 2 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |

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| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|
| 56 Fairway Solar | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 |
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 64 Flathead County Landfill | 1.30 | 1.30 | 1.29 | 1.30 | 1.30 | 1.30 | 1.29 | 1.30 | 1.30 | 1.30 |
| 65 Foote Creek 1 Wind | 9.75 | 9.75 | 9.74 | 9.75 | 9.75 | 9.75 | 9.74 | 9.75 | 9.75 | 9.75 |
| 66 Foote Creek 2 Wind | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 |
| 67 Foote Creek 4 Wind | 3.96 | 3.96 | 3.95 | 3.96 | 3.96 | 3.96 | 3.95 | 3.96 | 3.96 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| 70 Fossil Lake Solar | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 |
| 73 Goodnoe Hills Wind | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| 75 Grand View Solar | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 | 21.4 |
| 76 Grand View Solar 1 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 |
| 77 Grand View Solar 2 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 |
| 78 Grand View Solar 3 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 |
| 79 Grand View Solar 4 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 | 5.36 |
| 80 Grayland Wind | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 | 1.41 |
| 81 Grove Solar | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 86 Harvest Wind | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 87 Hay Canyon Wind | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 |
| 90 High Mesa Wind | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 |
| 91 Hopkins Ridge Wind | 36.9 | 36.9 | 36.8 | 36.9 | 36.9 | 36.9 | 36.8 | 36.9 | 36.9 | 36.9 |
| 92 Hopkins Ridge 2 | 1.70 | 1.70 | 1.69 | 1.70 | 1.70 | 1.70 | 1.69 | 1.70 | 1.70 | 1.70 |
| 93 Hopkins Ridge 1 | 35.2 | 35.2 | 35.1 | 35.2 | 35.2 | 35.2 | 35.1 | 35.2 | 35.2 | 35.2 |
| 94 Horse Butte Wind | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| 95 Horseshoe Bend Wind Project | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| 96 Hot Springs Wind | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 | 4.66 |
| 97 Hyline Solar Center | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 101 John Day Solar | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| 104 Kettle Falls (biomass) | 42.6 | 43.4 | 44.7 | 44.4 | 43.4 | 43.4 | 44.7 | 44.4 | 43.4 | 43.4 |
| 105 King Estate Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 106 Kittitas Valley Wind | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 107 Klondike Wind 1 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 | 5.65 |
| 108 Klondike Wind 2 | 17.7 | 17.7 | 17.6 | 17.7 | 17.7 | 17.7 | 17.6 | 17.7 | 17.7 | 17.7 |
| 109 Klondike Wind 3 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 110 Klondike Wind 3a | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |

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| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| 115 Leaning Juniper Wind | 71.1 | 71.1 | 71.0 | 71.1 | 71.1 | 71.1 | 71.0 | 71.1 | 71.1 | 71.1 |
| 116 Leaning Juniper 1 | 23.7 | 23.7 | 23.6 | 23.7 | 23.7 | 23.7 | 23.6 | 23.7 | 23.7 | 23.7 |
| 117 Leaning Juniper 2a | 21.3 | 21.3 | 21.2 | 21.3 | 21.3 | 21.3 | 21.2 | 21.3 | 21.3 | 21.3 |
| 118 Leaning Juniper 2b | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 | 26.1 |
| 119 Lewandowski Farms Wind | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 120 Lime Wind | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 |
| 121 Linden Ranch Wind | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 122 Little Valley Solar | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 | 2.67 | 2.68 | 2.68 | 2.68 |
| 123 Livingston Wind | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 124 Lower Snake Wind | 144 | 144 | 143 | 144 | 144 | 144 | 143 | 144 | 144 | 144 |
| 125 Lower Snake Wind 1 | 80.7 | 80.7 | 80.6 | 80.7 | 80.7 | 80.7 | 80.6 | 80.7 | 80.7 | 80.7 |
| 126 Tucannon River Wind | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 129 Marengo Wind | 49.6 | 49.6 | 49.5 | 49.6 | 49.6 | 49.6 | 49.5 | 49.6 | 49.6 | 49.6 |
| 130 Marengo Wind 1 | 33.1 | 33.1 | 33.0 | 33.1 | 33.1 | 33.1 | 33.0 | 33.1 | 33.1 | 33.1 |
| 131 Marengo Wind 2 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 |
| 132 Meadow Creek Wind | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 |
| 133 Five Pine Wind | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 | 9.39 |
| 134 North Point Wind | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 135 Milner Dam Wind Farm | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 | 4.59 |
| 136 Neal Hot Springs | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 137 Nine Canyon Wind | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 | 22.6 |
| 138 Nine Canyon Wind 1 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 139 Nine Canyon Wind 2 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 | 3.66 |
| 140 Nine Canyon Wind 3 | 7.59 | 7.59 | 7.58 | 7.59 | 7.59 | 7.59 | 7.58 | 7.59 | 7.59 | 7.59 |
| 141 Open Range Solar Center | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 |
| 142 Oregon Trail Wind | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| 143 Outback Solar | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 | 24.6 |
| 146 PaTu Wind | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 |
| 147 Paynes Ferry Wind Park | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 |
| 148 Pebble Springs Wind | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 157 Prospector Wind | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 |
| 161 Raft River Geothermal 1 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 |
| 165 Rainier Biogas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 170 Rockland wind | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 | 18.6 |
| 171 Ryegrass Wind | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 172 Salmon Falls Wind | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 |

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| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 173 Sawtooth Wind | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 | 5.27 |
| 174 Shepherds Flat Wind | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 68.3 | 68.3 | 68.2 | 68.3 | 68.3 | 68.3 | 68.2 | 68.3 | 68.3 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 62.4 | 62.4 | 62.3 | 62.4 | 62.4 | 62.4 | 62.3 | 62.4 | 62.4 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 68.3 | 68.3 | 68.2 | 68.3 | 68.3 | 68.3 | 68.2 | 68.3 | 68.3 | 68.3 |
| 178 Short Mountain | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 179 Simco Solar | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 | 5.37 |
| 180 Star Point Wind | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 |
| 181 Stateline Wind | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 182 Stateline-OR | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 | 28.5 |
| 183 Stateline-WA | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 184 Steel Bridge Solar | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 185 Stoltze Biomass | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 188 Thousand Springs Wind Park | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 | 2.82 | 2.83 | 2.83 | 2.83 |
| 189 Threemile Canyon Wind | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 | 2.47 |
| 192 Tuana Springs Wind | 3.96 | 3.96 | 3.95 | 3.96 | 3.96 | 3.96 | 3.95 | 3.96 | 3.96 | 3.96 |
| 193 Two Ponds Wind | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 | 5.41 | 5.42 | 5.42 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 | 29.2 |
| 197 Vansycle 1 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 | 5.91 |
| 198 Vansycle 2 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 | 23.3 |
| 199 Vantage Wind | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 200 Wheat Field Wind | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| 201 White Bluffs Solar | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| 203 Wild Horse Wind | 64.3 | 64.3 | 64.2 | 64.3 | 64.3 | 64.3 | 64.2 | 64.3 | 64.3 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 206 Wild Horse Wind 2 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 207 Willow Creek Wind | 17.0 | 17.0 | 16.9 | 17.0 | 17.0 | 17.0 | 16.9 | 17.0 | 17.0 | 17.0 |
| 208 Willow Spring Wind Farm | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 | 2.35 |
| 209 Windy Point Wind | 93.9 | 93.9 | 93.8 | 93.9 | 93.9 | 93.9 | 93.8 | 93.9 | 93.9 | 93.9 |
| 210 Windy Point 1 | 32.2 | 32.2 | 32.1 | 32.2 | 32.2 | 32.2 | 32.1 | 32.2 | 32.2 | 32.2 |
| 211 Windy Point 2 | 47.7 | 47.7 | 47.6 | 47.7 | 47.7 | 47.7 | 47.6 | 47.7 | 47.7 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 213 Wolverine Creek Wind | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 |
| 214 Yahoo Creek Wind | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 | 4.94 |
| 215 Yamhill Solar | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| Total Renewable Resources | | | | | | | | | | |
| 216 Cooperative | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 |
| 217 Federal Entities | 57.9 | 57.9 | 57.9 | 54.6 | 54.0 | 54.0 | 53.9 | 54.0 | 54.0 | 54.0 |
| 218 Investor Owned Utilities | 1252 | 1253 | 1253 | 1254 | 1253 | 1224 | 1212 | 1212 | 1211 | 1211 |
| 219 Marketer | 138 | 138 | 138 | 142 | 142 | 171 | 199 | 200 | 200 | 204 |
| 220 Municipality | 310 | 310 | 310 | 310 | 310 | 310 | 294 | 293 | 293 | 289 |
| 221 Other | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 222 Public Utility District | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 |
| 223 Total | 1953 | 1954 | 1954 | 1955 | 1954 | 1954 | 1954 | 1955 | 1954 | 1954 |

Exhibit 13
Regional Cogeneration Resources

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Cogeneration Resources
Operating Year: 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|------|-------|------|-------|------|-------|------|-------|------|-------|
| Cogeneration Resources | | | | | | | | | | |
| 1 Biomass One | 14.6 | 14.6 | 14.7 | 14.6 | 14.6 | 14.6 | 14.7 | 14.6 | 14.6 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Cogen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 Cogen Co 2 | 5.67 | 5.67 | 5.68 | 5.67 | 5.67 | 5.67 | 5.68 | 5.67 | 5.67 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 243 | 233 | 245 | 243 | 233 | 245 | 243 | 233 | 245 | 243 |
| 8 Evergreen Biopower Cogen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 9.73 | 10.00 | 9.73 | 10.00 | 9.73 | 10.00 | 9.73 | 10.00 | 9.73 | 10.00 |
| 12 Haleywest L.L.C | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 |
| 14 Hermiston Generation Project | 408 | 399 | 401 | 408 | 399 | 401 | 408 | 399 | 401 | 408 |
| 15 Hermiston Power Project | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 | 567 |
| 16 International Paper Energy Center | 16.7 | 16.7 | 16.4 | 16.4 | 16.4 | 16.7 | 16.7 | 16.4 | 16.4 | 16.4 |
| 17 International Paper Energy Center 2 | 6.41 | 6.44 | 6.32 | 6.31 | 6.31 | 6.41 | 6.44 | 6.31 | 6.31 | 6.31 |
| 18 International Paper Energy Center 1 | 10.3 | 10.3 | 10.1 | 10.1 | 10.1 | 10.3 | 10.3 | 10.1 | 10.1 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper Cogen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 30 Potlatch NG 1 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 |
| 31 Potlatch Wood Waste 1 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill Cogen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 | 8.18 |
| 39 SP Newsprint cogen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint cogen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| 45 Tamarack | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 | 3.91 |
| 46 TASC0 - Nampa | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 47 TASC0 - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang Cogen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs Cogen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 | 19.2 |
| 53 Weyerhaeuser Longview | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 | 16.7 |

Regional: Cogeneration Resources

Operating Year: 2018 to 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 34.5 | 34.5 | 34.5 | 37.3 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1467 | 1449 | 1462 | 1467 | 1449 | 1462 | 1467 | 1449 | 1462 | 1467 |
| 60 Marketer | 672 | 672 | 678 | 680 | 724 | 724 | 724 | 724 | 724 | 724 |
| 61 Municipality | 103 | 103 | 95.7 | 93.0 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 16.6 | 16.6 | 16.6 | 15.3 | 7.03 | 7.03 | 7.03 | 7.03 | 7.03 | 7.03 |
| 63 Total | 2300 | 2282 | 2295 | 2300 | 2282 | 2295 | 2301 | 2282 | 2295 | 2300 |

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Exhibit 14
Regional Large Thermal Resources

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Large Thermal Resources
Operating Year: 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | |
| 1 Boardman | 448 | 448 | 448 | 164 | -41.5 | -41.5 | -41.4 | -41.5 | -41.5 | -41.5 |
| 2 Centralia Complex | 1203 | 1203 | 1203 | 811 | 590 | 590 | 601 | 601 | 209 | 0 |
| 3 Centralia 1 | 601 | 601 | 601 | 209 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 601 | 601 | 601 | 601 | 590 | 590 | 601 | 601 | 209 | 0 |
| 5 Colstrip | 1415 | 1348 | 1338 | 1415 | 1324 | 1092 | 1160 | 1074 | 1092 | 1160 |
| 6 Colstrip 1 | 125 | 137 | 128 | 125 | 125 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 131 | 137 | 117 | 131 | 125 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 413 | 481 | 481 | 413 | 481 | 481 | 413 | 481 |
| 9 Colstrip 4 | 679 | 593 | 679 | 679 | 593 | 679 | 679 | 593 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 |
| 11 Jim Bridger | 1863 | 1875 | 1839 | 1878 | 1869 | 1878 | 1863 | 1875 | 1838 | 1878 |
| 12 Jim Bridger #1 | 451 | 479 | 427 | 483 | 458 | 483 | 451 | 479 | 427 | 483 |
| 13 Jim Bridger #2 | 493 | 476 | 493 | 476 | 493 | 476 | 493 | 476 | 493 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 442 | 442 | 442 | 442 | 442 | 442 | 442 | 442 | 442 | 442 |
| 16 Valmy | 225 | 225 | 226 | 225 | 164 | 116 | 116 | 116 | 50.4 | 0 |
| 17 North Valmy 1 | 110 | 110 | 110 | 110 | 48.0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 50.4 | 0 |
| Total Large Thermal Resources | | | | | | | | | | |
| 19 Federal Entities | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 | 1100 | 937 |
| 20 Investor Owned Utilities | 4293 | 4237 | 4191 | 4024 | 3650 | 3379 | 3438 | 3364 | 3058 | 2997 |
| 21 Marketer | 862 | 862 | 862 | 470 | 256 | 256 | 260 | 260 | 90.7 | 0 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 6255 | 6036 | 6152 | 5431 | 5005 | 4572 | 4799 | 4561 | 4249 | 3934 |

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Exhibit 15
Regional Small Thermal & Miscellaneous

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Regional: Small Thermal & Miscellaneous
Operating Year: 2018 to 2027
2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| 13 West Boise Waste | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |

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Exhibit 16
Non-Federal CER Deliveries to BPA

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

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Non-Federal CER Deliveries to BPA
Operating Year 2018 to 2027
2016 White Book Report Date: **9/20/2016**

S140-WB-20161121-220001

| Energy-aMW | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 17.9 | 18.2 | 18.3 | 18.3 | 18.2 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 37.3 | 37.5 | 37.7 | 37.7 | 37.6 | 37.7 | 37.7 | 37.9 | 37.9 | 37.9 |
| 3 DOPD to BPA CEAEA for Wells | 24.0 | 23.7 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 29.3 | 28.9 | 28.6 | 28.6 | 28.5 | 28.6 | 28.6 | 28.6 | 28.5 | 28.5 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.3 | 28.4 | 28.6 | 28.6 | 28.5 | 28.6 | 28.6 | 28.7 | 28.7 | 28.7 |
| 6 Total Imports From PNW | 137 | 137 | 137 | 137 | 136 | 137 | 137 | 137 | 137 | 137 |
| Total Imports | | | | | | | | | | |
| 7 Federal Entities | 137 | 137 | 137 | 137 | 136 | 137 | 137 | 137 | 137 | 137 |
| 8 Total Imports | 137 | 137 | 137 | 137 | 136 | 137 | 137 | 137 | 137 | 137 |

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Exhibit 17
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year
Operating Year 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|------|------|------|-------|-------|-------|-------|-------|------|------|
| 1 1929 Federal Report Surplus Deficit | 370 | 199 | 278 | 70 | 109 | -57 | 72 | -96 | 34.1 | -121 |
| 2 1930 Federal Report Surplus Deficit | 312 | 99 | 204 | -25.0 | 13.5 | -152 | -22.6 | -191 | -61 | -216 |
| 3 1931 Federal Report Surplus Deficit | 226 | 19.3 | 157 | -73 | -34.4 | -200 | -72 | -239 | -109 | -264 |
| 4 1932 Federal Report Surplus Deficit | 1247 | 1122 | 1213 | 1023 | 1038 | 881 | 996 | 842 | 963 | 817 |
| 5 1933 Federal Report Surplus Deficit | 2080 | 1984 | 2041 | 1839 | 1835 | 1692 | 1801 | 1653 | 1760 | 1628 |
| 6 1934 Federal Report Surplus Deficit | 3081 | 2875 | 3042 | 2849 | 2837 | 2674 | 2806 | 2635 | 2762 | 2610 |
| 7 1935 Federal Report Surplus Deficit | 1303 | 1101 | 1238 | 1003 | 1027 | 861 | 993 | 822 | 952 | 797 |
| 8 1936 Federal Report Surplus Deficit | 1087 | 910 | 991 | 778 | 809 | 649 | 770 | 610 | 734 | 585 |
| 9 1937 Federal Report Surplus Deficit | 220 | 28.2 | 168 | -75 | -36.9 | -203 | -74 | -241 | -112 | -267 |
| 10 1938 Federal Report Surplus Deficit | 1899 | 1688 | 1800 | 1583 | 1595 | 1427 | 1560 | 1388 | 1520 | 1363 |
| 11 1939 Federal Report Surplus Deficit | 883 | 671 | 790 | 570 | 607 | 442 | 571 | 403 | 532 | 378 |
| 12 1940 Federal Report Surplus Deficit | 1073 | 873 | 1040 | 799 | 828 | 663 | 792 | 624 | 754 | 599 |
| 13 1941 Federal Report Surplus Deficit | 438 | 233 | 346 | 126 | 165 | -0.80 | 128 | -39.6 | 90 | -65 |
| 14 1942 Federal Report Surplus Deficit | 1493 | 1296 | 1335 | 1134 | 1172 | 1007 | 1136 | 968 | 1097 | 943 |
| 15 1943 Federal Report Surplus Deficit | 2396 | 2244 | 2330 | 2117 | 2110 | 1964 | 2074 | 1925 | 2035 | 1900 |
| 16 1944 Federal Report Surplus Deficit | 191 | 22.7 | 127 | -100 | -62 | -227 | -98 | -266 | -136 | -292 |
| 17 1945 Federal Report Surplus Deficit | 543 | 369 | 468 | 246 | 279 | 118 | 242 | 79 | 205 | 54 |
| 18 1946 Federal Report Surplus Deficit | 1894 | 1707 | 1795 | 1573 | 1597 | 1435 | 1561 | 1396 | 1522 | 1371 |
| 19 1947 Federal Report Surplus Deficit | 2507 | 2305 | 2422 | 2260 | 2251 | 2091 | 2217 | 2053 | 2176 | 2027 |
| 20 1948 Federal Report Surplus Deficit | 2850 | 2638 | 2687 | 2484 | 2473 | 2326 | 2437 | 2287 | 2399 | 2262 |
| 21 1949 Federal Report Surplus Deficit | 1983 | 1803 | 1903 | 1706 | 1718 | 1555 | 1679 | 1516 | 1642 | 1491 |
| 22 1950 Federal Report Surplus Deficit | 2340 | 2291 | 2377 | 2127 | 2106 | 1957 | 2075 | 1918 | 2031 | 1893 |
| 23 1951 Federal Report Surplus Deficit | 3287 | 3193 | 3341 | 3143 | 3125 | 2947 | 3093 | 2908 | 3050 | 2883 |
| 24 1952 Federal Report Surplus Deficit | 2701 | 2475 | 2575 | 2377 | 2381 | 2225 | 2346 | 2186 | 2307 | 2161 |
| 25 1953 Federal Report Surplus Deficit | 1745 | 1537 | 1615 | 1434 | 1433 | 1289 | 1402 | 1251 | 1358 | 1225 |
| 26 1954 Federal Report Surplus Deficit | 2515 | 2425 | 2452 | 2225 | 2211 | 2056 | 2179 | 2017 | 2137 | 1991 |
| 27 1955 Federal Report Surplus Deficit | 2042 | 1912 | 1912 | 1719 | 1738 | 1580 | 1696 | 1542 | 1659 | 1516 |
| 28 1956 Federal Report Surplus Deficit | 3352 | 3195 | 3279 | 3096 | 3071 | 2922 | 3038 | 2883 | 2996 | 2858 |
| 29 1957 Federal Report Surplus Deficit | 2255 | 2092 | 2128 | 1943 | 1951 | 1798 | 1911 | 1760 | 1876 | 1734 |
| 30 1958 Federal Report Surplus Deficit | 1882 | 1711 | 1804 | 1584 | 1598 | 1437 | 1563 | 1398 | 1524 | 1373 |
| 31 1959 Federal Report Surplus Deficit | 2703 | 2563 | 2638 | 2439 | 2427 | 2272 | 2394 | 2233 | 2352 | 2208 |
| 32 1960 Federal Report Surplus Deficit | 2869 | 2689 | 2789 | 2596 | 2604 | 2437 | 2562 | 2398 | 2526 | 2373 |
| 33 1961 Federal Report Surplus Deficit | 2121 | 1925 | 1957 | 1769 | 1772 | 1616 | 1738 | 1578 | 1698 | 1552 |
| 34 1962 Federal Report Surplus Deficit | 1688 | 1484 | 1591 | 1359 | 1383 | 1221 | 1348 | 1182 | 1309 | 1157 |
| 35 1963 Federal Report Surplus Deficit | 1878 | 1681 | 1769 | 1578 | 1598 | 1433 | 1563 | 1394 | 1523 | 1369 |
| 36 1964 Federal Report Surplus Deficit | 1746 | 1655 | 1636 | 1468 | 1478 | 1336 | 1440 | 1297 | 1404 | 1272 |
| 37 1965 Federal Report Surplus Deficit | 3172 | 3037 | 3154 | 2979 | 2964 | 2802 | 2931 | 2763 | 2887 | 2738 |
| 38 1966 Federal Report Surplus Deficit | 1623 | 1425 | 1511 | 1321 | 1356 | 1190 | 1320 | 1152 | 1281 | 1126 |
| 39 1967 Federal Report Surplus Deficit | 2224 | 2087 | 2129 | 1938 | 1922 | 1779 | 1889 | 1740 | 1847 | 1715 |
| 40 1968 Federal Report Surplus Deficit | 1896 | 1712 | 1804 | 1604 | 1612 | 1450 | 1579 | 1411 | 1537 | 1386 |
| 41 1969 Federal Report Surplus Deficit | 3104 | 2870 | 2985 | 2793 | 2786 | 2624 | 2749 | 2585 | 2707 | 2560 |
| 42 1970 Federal Report Surplus Deficit | 1627 | 1388 | 1479 | 1272 | 1297 | 1133 | 1263 | 1094 | 1223 | 1069 |
| 43 1971 Federal Report Surplus Deficit | 2896 | 2755 | 2843 | 2638 | 2615 | 2478 | 2586 | 2440 | 2540 | 2414 |
| 44 1972 Federal Report Surplus Deficit | 3295 | 3140 | 3226 | 3032 | 3005 | 2867 | 2974 | 2828 | 2931 | 2803 |
| 45 1973 Federal Report Surplus Deficit | 1057 | 843 | 952 | 750 | 788 | 622 | 752 | 584 | 713 | 558 |
| 46 1974 Federal Report Surplus Deficit | 3145 | 3039 | 3144 | 2937 | 2920 | 2761 | 2890 | 2723 | 2845 | 2697 |
| 47 1975 Federal Report Surplus Deficit | 2250 | 2091 | 2174 | 1990 | 1998 | 1844 | 1963 | 1805 | 1924 | 1780 |
| 48 1976 Federal Report Surplus Deficit | 3372 | 3186 | 3307 | 3101 | 3083 | 2921 | 3048 | 2882 | 3007 | 2857 |
| 49 1977 Federal Report Surplus Deficit | 701 | 497 | 590 | 382 | 421 | 251 | 380 | 212 | 342 | 187 |
| 50 1978 Federal Report Surplus Deficit | 1613 | 1427 | 1544 | 1319 | 1337 | 1177 | 1302 | 1139 | 1262 | 1113 |
| 51 1979 Federal Report Surplus Deficit | 1177 | 998 | 1114 | 906 | 940 | 769 | 901 | 731 | 861 | 705 |
| 52 1980 Federal Report Surplus Deficit | 1325 | 1177 | 1255 | 1030 | 1044 | 899 | 1005 | 860 | 969 | 835 |
| 53 1981 Federal Report Surplus Deficit | 2105 | 1975 | 2032 | 1823 | 1831 | 1674 | 1798 | 1635 | 1756 | 1610 |
| 54 1982 Federal Report Surplus Deficit | 3069 | 2985 | 3061 | 2868 | 2855 | 2706 | 2825 | 2667 | 2780 | 2642 |
| 55 1983 Federal Report Surplus Deficit | 2865 | 2737 | 2801 | 2612 | 2608 | 2447 | 2570 | 2408 | 2529 | 2382 |

Federal Report Surplus Deficit By Water Year

Operating Year 2018 to 2027

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 56 1984 Federal Report Surplus Deficit | 2873 | 2699 | 2785 | 2607 | 2597 | 2431 | 2562 | 2392 | 2522 | 2367 |
| 57 1985 Federal Report Surplus Deficit | 1468 | 1298 | 1409 | 1194 | 1224 | 1057 | 1188 | 1018 | 1150 | 993 |
| 58 1986 Federal Report Surplus Deficit | 2231 | 2078 | 2185 | 1944 | 1946 | 1785 | 1913 | 1746 | 1871 | 1721 |
| 59 1987 Federal Report Surplus Deficit | 961 | 751 | 876 | 670 | 708 | 543 | 672 | 504 | 634 | 479 |
| 60 1988 Federal Report Surplus Deficit | 312 | 101 | 208 | -8.5 | 30.0 | -136 | -8.5 | -174 | -44.6 | -200 |
| 61 1989 Federal Report Surplus Deficit | 1062 | 850 | 941 | 728 | 760 | 594 | 720 | 555 | 686 | 530 |
| 62 1990 Federal Report Surplus Deficit | 1923 | 1734 | 1829 | 1606 | 1622 | 1458 | 1589 | 1419 | 1547 | 1394 |
| 63 1991 Federal Report Surplus Deficit | 2445 | 2325 | 2410 | 2200 | 2194 | 2032 | 2160 | 1993 | 2120 | 1968 |
| 64 1992 Federal Report Surplus Deficit | 672 | 466 | 570 | 377 | 415 | 250 | 381 | 211 | 341 | 186 |
| 65 1993 Federal Report Surplus Deficit | 796 | 593 | 675 | 461 | 494 | 328 | 454 | 289 | 419 | 264 |
| 66 1994 Federal Report Surplus Deficit | 637 | 407 | 531 | 308 | 347 | 181 | 309 | 142 | 272 | 117 |
| 67 1995 Federal Report Surplus Deficit | 1462 | 1281 | 1355 | 1141 | 1165 | 1004 | 1130 | 965 | 1090 | 940 |
| 68 1996 Federal Report Surplus Deficit | 3600 | 3503 | 3671 | 3456 | 3430 | 3286 | 3398 | 3247 | 3355 | 3222 |
| 69 1997 Federal Report Surplus Deficit | 3430 | 3316 | 3399 | 3221 | 3201 | 3049 | 3171 | 3010 | 3126 | 2985 |
| 70 1998 Federal Report Surplus Deficit | 2463 | 2295 | 2307 | 2131 | 2141 | 1990 | 2101 | 1951 | 2062 | 1926 |
| 71 1999 Federal Report Surplus Deficit | 2770 | 2630 | 2686 | 2533 | 2519 | 2355 | 2488 | 2317 | 2445 | 2291 |
| 72 2000 Federal Report Surplus Deficit | 2384 | 2183 | 2279 | 2088 | 2096 | 1930 | 2058 | 1891 | 2019 | 1866 |
| 73 2001 Federal Report Surplus Deficit | 182 | -33.6 | 85 | -120 | -82 | -247 | -117 | -286 | -156 | -311 |
| 74 2002 Federal Report Surplus Deficit | 1272 | 1114 | 1172 | 954 | 983 | 824 | 944 | 786 | 908 | 760 |
| 75 2003 Federal Report Surplus Deficit | 1080 | 939 | 1044 | 831 | 859 | 700 | 820 | 662 | 784 | 636 |
| 76 2004 Federal Report Surplus Deficit | 901 | 679 | 805 | 593 | 631 | 466 | 593 | 427 | 557 | 401 |
| 77 2005 Federal Report Surplus Deficit | 1227 | 1079 | 1170 | 909 | 943 | 777 | 909 | 739 | 868 | 713 |
| 78 2006 Federal Report Surplus Deficit | 2231 | 2075 | 2147 | 1926 | 1935 | 1776 | 1900 | 1737 | 1860 | 1712 |
| 79 2007 Federal Report Surplus Deficit | 1689 | 1490 | 1617 | 1399 | 1415 | 1251 | 1379 | 1212 | 1340 | 1187 |
| 80 2008 Federal Report Surplus Deficit | 1378 | 1241 | 1297 | 1091 | 1105 | 955 | 1067 | 916 | 1030 | 891 |
| Ranked Averages | | | | | | | | | | |
| 81 Bottom 10 pct | 281 | 84 | 197 | -25.7 | 12.8 | -153 | -24.1 | -192 | -62 | -217 |
| 82 Middle 80 pct | 1848 | 1675 | 1761 | 1555 | 1568 | 1409 | 1532 | 1370 | 1493 | 1345 |
| 83 Top 10 pct | 3332 | 3201 | 3315 | 3121 | 3100 | 2944 | 3068 | 2906 | 3025 | 2880 |

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Exhibit 18
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year
Operating Year 2018 to 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|-------|-------|-------|------|------|------|------|------|------|------|
| 1 1929 Regional Report Surplus Deficit | 4788 | 4419 | 4245 | 3236 | 2535 | 1849 | 1841 | 1325 | 766 | 233 |
| 2 1930 Regional Report Surplus Deficit | 4401 | 3952 | 3854 | 2808 | 2110 | 1424 | 1419 | 900 | 341 | -192 |
| 3 1931 Regional Report Surplus Deficit | 4102 | 3661 | 3609 | 2567 | 1870 | 1184 | 1173 | 660 | 101 | -432 |
| 4 1932 Regional Report Surplus Deficit | 6444 | 6134 | 5989 | 4997 | 4268 | 3594 | 3564 | 3070 | 2499 | 1978 |
| 5 1933 Regional Report Surplus Deficit | 8273 | 7996 | 7819 | 6811 | 6057 | 5404 | 5367 | 4880 | 4288 | 3788 |
| 6 1934 Regional Report Surplus Deficit | 10436 | 10012 | 9969 | 8994 | 8229 | 7547 | 7546 | 7023 | 6460 | 5931 |
| 7 1935 Regional Report Surplus Deficit | 6767 | 6337 | 6289 | 5224 | 4504 | 3819 | 3818 | 3295 | 2736 | 2203 |
| 8 1936 Regional Report Surplus Deficit | 6097 | 5706 | 5557 | 4533 | 3824 | 3146 | 3127 | 2622 | 2056 | 1530 |
| 9 1937 Regional Report Surplus Deficit | 4258 | 3839 | 3782 | 2707 | 2009 | 1323 | 1312 | 798 | 240 | -293 |
| 10 1938 Regional Report Surplus Deficit | 7911 | 7442 | 7328 | 6285 | 5547 | 4858 | 4856 | 4334 | 3778 | 3242 |
| 11 1939 Regional Report Surplus Deficit | 5797 | 5345 | 5246 | 4216 | 3512 | 2828 | 2820 | 2303 | 1743 | 1212 |
| 12 1940 Regional Report Surplus Deficit | 5933 | 5498 | 5502 | 4427 | 3714 | 3029 | 3022 | 2505 | 1945 | 1413 |
| 13 1941 Regional Report Surplus Deficit | 4441 | 4007 | 3925 | 2890 | 2188 | 1502 | 1495 | 978 | 419 | -114 |
| 14 1942 Regional Report Surplus Deficit | 6766 | 6344 | 6085 | 5057 | 4353 | 3667 | 3661 | 3143 | 2584 | 2052 |
| 15 1943 Regional Report Surplus Deficit | 8991 | 8634 | 8502 | 7461 | 6691 | 6037 | 5999 | 5513 | 4922 | 4421 |
| 16 1944 Regional Report Surplus Deficit | 4362 | 3992 | 3859 | 2807 | 2104 | 1418 | 1412 | 894 | 335 | -198 |
| 17 1945 Regional Report Surplus Deficit | 4945 | 4566 | 4444 | 3400 | 2693 | 2013 | 1997 | 1488 | 924 | 397 |
| 18 1946 Regional Report Surplus Deficit | 8084 | 7656 | 7517 | 6481 | 5757 | 5076 | 5065 | 4552 | 3988 | 3460 |
| 19 1947 Regional Report Surplus Deficit | 9212 | 8776 | 8679 | 7753 | 6987 | 6309 | 6300 | 5785 | 5218 | 4693 |
| 20 1948 Regional Report Surplus Deficit | 9873 | 9401 | 9198 | 8185 | 7414 | 6760 | 6721 | 6235 | 5645 | 5144 |
| 21 1949 Regional Report Surplus Deficit | 8175 | 7796 | 7653 | 6666 | 5919 | 5250 | 5221 | 4726 | 4149 | 3634 |
| 22 1950 Regional Report Surplus Deficit | 9167 | 8958 | 8774 | 7724 | 6944 | 6280 | 6261 | 5756 | 5175 | 4664 |
| 23 1951 Regional Report Surplus Deficit | 11301 | 11056 | 10993 | 9984 | 9200 | 8491 | 8517 | 7966 | 7431 | 6875 |
| 24 1952 Regional Report Surplus Deficit | 9729 | 9262 | 9123 | 8114 | 7362 | 6689 | 6671 | 6165 | 5593 | 5073 |
| 25 1953 Regional Report Surplus Deficit | 7685 | 7208 | 7082 | 6077 | 5316 | 4661 | 4635 | 4136 | 3547 | 3045 |
| 26 1954 Regional Report Surplus Deficit | 9446 | 9189 | 8963 | 7895 | 7114 | 6442 | 6430 | 5918 | 5345 | 4826 |
| 27 1955 Regional Report Surplus Deficit | 8292 | 7977 | 7691 | 6704 | 5963 | 5297 | 5261 | 4773 | 4189 | 3682 |
| 28 1956 Regional Report Surplus Deficit | 11248 | 10887 | 10736 | 9761 | 8957 | 8304 | 8271 | 7780 | 7188 | 6688 |
| 29 1957 Regional Report Surplus Deficit | 8801 | 8430 | 8210 | 7230 | 6472 | 5811 | 5773 | 5287 | 4703 | 4195 |
| 30 1958 Regional Report Surplus Deficit | 7905 | 7519 | 7392 | 6331 | 5582 | 4911 | 4894 | 4387 | 3813 | 3295 |
| 31 1959 Regional Report Surplus Deficit | 9694 | 9343 | 9178 | 8173 | 7391 | 6720 | 6705 | 6196 | 5622 | 5104 |
| 32 1960 Regional Report Surplus Deficit | 10094 | 9715 | 9571 | 8581 | 7835 | 7147 | 7135 | 6623 | 6061 | 5531 |
| 33 1961 Regional Report Surplus Deficit | 8383 | 7953 | 7705 | 6724 | 5971 | 5299 | 5284 | 4774 | 4202 | 3683 |
| 34 1962 Regional Report Surplus Deficit | 7421 | 6987 | 6860 | 5797 | 5070 | 4389 | 4380 | 3865 | 3302 | 2773 |
| 35 1963 Regional Report Surplus Deficit | 7987 | 7557 | 7400 | 6412 | 5679 | 4995 | 4992 | 4470 | 3910 | 3379 |
| 36 1964 Regional Report Surplus Deficit | 7754 | 7474 | 7169 | 6212 | 5468 | 4813 | 4771 | 4289 | 3699 | 3197 |
| 37 1965 Regional Report Surplus Deficit | 10692 | 10362 | 10240 | 9275 | 8496 | 7816 | 7812 | 7291 | 6725 | 6200 |
| 38 1966 Regional Report Surplus Deficit | 7479 | 7062 | 6910 | 5926 | 5213 | 4528 | 4521 | 4004 | 3444 | 2912 |
| 39 1967 Regional Report Surplus Deficit | 8754 | 8408 | 8198 | 7193 | 6414 | 5759 | 5730 | 5235 | 4645 | 4143 |
| 40 1968 Regional Report Surplus Deficit | 8152 | 7750 | 7615 | 6619 | 5874 | 5194 | 5189 | 4670 | 4105 | 3578 |
| 41 1969 Regional Report Surplus Deficit | 10552 | 10082 | 9946 | 8952 | 8186 | 7516 | 7494 | 6992 | 6412 | 5900 |
| 42 1970 Regional Report Surplus Deficit | 7384 | 6885 | 6746 | 5741 | 5011 | 4340 | 4323 | 3816 | 3242 | 2724 |
| 43 1971 Regional Report Surplus Deficit | 10238 | 9876 | 9716 | 8669 | 7881 | 7235 | 7203 | 6710 | 6112 | 5619 |
| 44 1972 Regional Report Surplus Deficit | 11249 | 10901 | 10754 | 9752 | 8952 | 8312 | 8270 | 7787 | 7183 | 6696 |
| 45 1973 Regional Report Surplus Deficit | 6324 | 5888 | 5781 | 4779 | 4071 | 3386 | 3380 | 2861 | 2302 | 1770 |
| 46 1974 Regional Report Surplus Deficit | 10845 | 10534 | 10419 | 9399 | 8617 | 7941 | 7938 | 7417 | 6848 | 6325 |
| 47 1975 Regional Report Surplus Deficit | 8884 | 8520 | 8365 | 7378 | 6634 | 5963 | 5942 | 5439 | 4865 | 4347 |
| 48 1976 Regional Report Surplus Deficit | 11252 | 10853 | 10734 | 9721 | 8934 | 8262 | 8245 | 7738 | 7164 | 6646 |
| 49 1977 Regional Report Surplus Deficit | 5269 | 4858 | 4714 | 3715 | 3008 | 2317 | 2309 | 1793 | 1234 | 701 |
| 50 1978 Regional Report Surplus Deficit | 7226 | 6832 | 6680 | 5673 | 4940 | 4263 | 4251 | 3738 | 3171 | 2647 |
| 51 1979 Regional Report Surplus Deficit | 6421 | 6024 | 5939 | 4928 | 4221 | 3529 | 3526 | 3004 | 2447 | 1913 |
| 52 1980 Regional Report Surplus Deficit | 6755 | 6404 | 6260 | 5206 | 4467 | 3811 | 3770 | 3287 | 2698 | 2195 |
| 53 1981 Regional Report Surplus Deficit | 8316 | 7996 | 7800 | 6766 | 6024 | 5350 | 5340 | 4825 | 4255 | 3734 |
| 54 1982 Regional Report Surplus Deficit | 10335 | 10096 | 9917 | 8924 | 8143 | 7486 | 7464 | 6962 | 6374 | 5870 |
| 55 1983 Regional Report Surplus Deficit | 10169 | 9851 | 9669 | 8674 | 7909 | 7230 | 7217 | 6705 | 6135 | 5614 |

Regional Report Surplus Deficit By Water Year

Operating Year 2018 to 2027

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 56 1984 Regional Report Surplus Deficit | 9983 | 9592 | 9440 | 8480 | 7691 | 7006 | 7002 | 6481 | 5922 | 5390 |
| 57 1985 Regional Report Surplus Deficit | 7158 | 6788 | 6674 | 5646 | 4923 | 4235 | 4229 | 3710 | 3154 | 2619 |
| 58 1986 Regional Report Surplus Deficit | 8744 | 8391 | 8292 | 7213 | 6455 | 5776 | 5769 | 5252 | 4686 | 4160 |
| 59 1987 Regional Report Surplus Deficit | 6055 | 5591 | 5496 | 4480 | 3774 | 3089 | 3082 | 2564 | 2005 | 1473 |
| 60 1988 Regional Report Surplus Deficit | 4459 | 4024 | 3844 | 2872 | 2171 | 1485 | 1473 | 961 | 402 | -131 |
| 61 1989 Regional Report Surplus Deficit | 6139 | 5668 | 5510 | 4494 | 3789 | 3103 | 3089 | 2578 | 2021 | 1487 |
| 62 1990 Regional Report Surplus Deficit | 8099 | 7692 | 7560 | 6527 | 5798 | 5115 | 5112 | 4590 | 4029 | 3499 |
| 63 1991 Regional Report Surplus Deficit | 9195 | 8875 | 8736 | 7733 | 6974 | 6293 | 6287 | 5769 | 5206 | 4677 |
| 64 1992 Regional Report Surplus Deficit | 5137 | 4708 | 4575 | 3610 | 2917 | 2232 | 2229 | 1707 | 1148 | 616 |
| 65 1993 Regional Report Surplus Deficit | 5306 | 4921 | 4752 | 3744 | 3045 | 2359 | 2343 | 1834 | 1276 | 743 |
| 66 1994 Regional Report Surplus Deficit | 5096 | 4635 | 4549 | 3527 | 2827 | 2141 | 2131 | 1617 | 1058 | 525 |
| 67 1995 Regional Report Surplus Deficit | 6956 | 6550 | 6377 | 5357 | 4644 | 3964 | 3955 | 3440 | 2875 | 2348 |
| 68 1996 Regional Report Surplus Deficit | 11820 | 11531 | 11504 | 10459 | 9672 | 9016 | 8991 | 8492 | 7903 | 7400 |
| 69 1997 Regional Report Surplus Deficit | 11386 | 11083 | 10930 | 9954 | 9169 | 8504 | 8490 | 7980 | 7400 | 6888 |
| 70 1998 Regional Report Surplus Deficit | 9389 | 9023 | 8723 | 7761 | 7020 | 6349 | 6322 | 5825 | 5246 | 4733 |
| 71 1999 Regional Report Surplus Deficit | 10011 | 9619 | 9427 | 8498 | 7720 | 7037 | 7037 | 6513 | 5951 | 5421 |
| 72 2000 Regional Report Surplus Deficit | 9073 | 8657 | 8510 | 7527 | 6784 | 6098 | 6089 | 5574 | 5013 | 4482 |
| 73 2001 Regional Report Surplus Deficit | 4061 | 3603 | 3517 | 2519 | 1816 | 1130 | 1123 | 606 | 46.7 | -486 |
| 74 2002 Regional Report Surplus Deficit | 6493 | 6081 | 5828 | 4854 | 4145 | 3470 | 3449 | 2945 | 2377 | 1854 |
| 75 2003 Regional Report Surplus Deficit | 5931 | 5598 | 5470 | 4460 | 3754 | 3078 | 3057 | 2554 | 1985 | 1462 |
| 76 2004 Regional Report Surplus Deficit | 5630 | 5163 | 5023 | 4069 | 3370 | 2684 | 2673 | 2160 | 1602 | 1068 |
| 77 2005 Regional Report Surplus Deficit | 6289 | 5964 | 5843 | 4735 | 4033 | 3348 | 3345 | 2824 | 2264 | 1732 |
| 78 2006 Regional Report Surplus Deficit | 8434 | 8082 | 7819 | 6822 | 6092 | 5423 | 5404 | 4898 | 4323 | 3807 |
| 79 2007 Regional Report Surplus Deficit | 7512 | 7073 | 6967 | 5984 | 5250 | 4566 | 4558 | 4042 | 3481 | 2950 |
| 80 2008 Regional Report Surplus Deficit | 6688 | 6286 | 6039 | 5095 | 4364 | 3699 | 3667 | 3175 | 2595 | 2083 |
| Ranked Averages | | | | | | | | | | |
| 81 Bottom 10 pct | 4359 | 3937 | 3829 | 2801 | 2100 | 1415 | 1406 | 890 | 331 | -201 |
| 82 Middle 80 pct | 7838 | 7448 | 7293 | 6285 | 5547 | 4871 | 4856 | 4347 | 3777 | 3255 |
| 83 Top 10 pct | 11224 | 10901 | 10789 | 9788 | 9000 | 8331 | 8317 | 7806 | 7230 | 6715 |

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Section 2: Monthly Energy Operating Year 2018 to 2027

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Exhibit 19
Federal Report Surplus Deficit

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 1 Load Following | 3472 | 3474 | 3152 | 2914 | 3391 | 3821 | 3773 | 3612 | 3195 | 3222 | 3244 | 3253 | 3355 | 3653 | 3402 |
| 2 Preference Customers | 3055 | 3058 | 2791 | 2710 | 3243 | 3655 | 3618 | 3455 | 3006 | 2861 | 2886 | 2820 | 2912 | 3145 | 3106 |
| 3 Federal Agencies | 101 | 101 | 94.2 | 96.6 | 126 | 145 | 144 | 141 | 120 | 102 | 103 | 94.8 | 91.2 | 102 | 113 |
| 4 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 5 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Tier 1 Block | 11.7 | 11.7 | 24.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.98 |
| 7 Tier 1 Block | 11.7 | 11.7 | 24.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.98 |
| 8 Slice | 3544 | 3317 | 3267 | 3283 | 4120 | 4250 | 3980 | 3647 | 3618 | 3181 | 3420 | 3919 | 3432 | 3232 | 3624 |
| 9 Slice Block | 1603 | 1603 | 1673 | 1608 | 1984 | 2205 | 2233 | 2062 | 1919 | 1616 | 1616 | 1429 | 1338 | 1556 | 1768 |
| 10 Slice Output from T1 System | 1941 | 1714 | 1594 | 1675 | 2136 | 2045 | 1747 | 1585 | 1699 | 1565 | 1804 | 2490 | 2094 | 1676 | 1856 |
| 11 Direct Service Industries | 22.5 | 22.5 | 22.4 | 22.9 | 22.7 | 22.7 | 22.8 | 22.5 | 87.5 | 87.7 | 88.1 | 87.4 | 87.2 | 87.2 | 49.8 |
| 12 DSI | 22.5 | 22.5 | 22.4 | 22.9 | 22.7 | 22.7 | 22.8 | 22.5 | 87.5 | 87.7 | 88.1 | 87.4 | 87.2 | 87.2 | 49.8 |
| 13 Contract Deliveries | 687 | 691 | 562 | 557 | 670 | 663 | 640 | 624 | 556 | 555 | 590 | 518 | 523 | 541 | 593 |
| 14 Exports | 647 | 651 | 523 | 518 | 513 | 509 | 485 | 482 | 489 | 485 | 520 | 504 | 508 | 525 | 518 |
| 15 Intra-Regional Transfers (Out) | 39.8 | 39.8 | 38.7 | 38.8 | 156 | 155 | 155 | 142 | 67.4 | 69.9 | 70.0 | 14.5 | 14.4 | 15.8 | 75.1 |
| 16 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Total Firm Obligations | 7737 | 7516 | 7028 | 6778 | 8203 | 8757 | 8416 | 7906 | 7458 | 7046 | 7342 | 7777 | 7397 | 7513 | 7671 |
| Net Resources | | | | | | | | | | | | | | | |
| 18 Hydro Resources | 7076 | 6187 | 5569 | 5727 | 7517 | 7183 | 6036 | 5403 | 5830 | 5468 | 6428 | 9076 | 7567 | 6032 | 6550 |
| 19 Regulated Hydro - Net | 6722 | 5836 | 5245 | 5416 | 7260 | 7022 | 5910 | 5269 | 5590 | 5041 | 5989 | 8362 | 6910 | 5639 | 6208 |
| 20 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 21 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 22 Other Resources | 1140 | 1159 | 1155 | 1144 | 1164 | 1148 | 1126 | 1143 | 1149 | 1188 | 1174 | 1179 | 1178 | 1177 | 1158 |
| 23 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 26 Renewable Resources | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 |
| 27 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Contract Purchases | 379 | 377 | 420 | 461 | 450 | 439 | 441 | 430 | 453 | 429 | 441 | 390 | 456 | 370 | 427 |

Loads and Resources - Federal System
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| ²⁹ Imports | 65.4 | 65.6 | 64.9 | 115 | 115 | 114 | 115 | 115 | 116 | 64.3 | 65.4 | 65.0 | 65.4 | 64.4 | 89.9 |
| ³⁰ Intra-Regional Transfers (In) | 138 | 139 | 186 | 180 | 156 | 152 | 154 | 148 | 166 | 208 | 204 | 140 | 214 | 141 | 165 |
| ³¹ Non-Federal CER | 139 | 140 | 139 | 134 | 138 | 134 | 139 | 137 | 139 | 127 | 138 | 138 | 138 | 133 | 137 |
| ³² Slice Transmission Loss Return | 36.9 | 32.6 | 30.3 | 31.8 | 40.6 | 38.9 | 33.2 | 30.1 | 32.3 | 29.7 | 34.3 | 47.3 | 39.8 | 31.9 | 35.3 |
| ³³ Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁴ Reserves & Losses | -258 | -232 | -214 | -220 | -272 | -262 | -227 | -208 | -222 | -212 | -240 | -319 | -277 | -228 | -243 |
| ³⁵ Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁶ Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁷ Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁸ Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁹ Transmission Losses | -258 | -232 | -214 | -220 | -272 | -262 | -227 | -208 | -222 | -212 | -240 | -319 | -277 | -228 | -243 |
| ⁴⁰ Total Net Resources | 8337 | 7492 | 6930 | 7113 | 8858 | 8509 | 7376 | 6768 | 7210 | 6874 | 7803 | 10326 | 8926 | 7351 | 7892 |
| ⁴¹ Total Surplus/Deficit | 600 | -24 | -97 | 335 | 654 | -248 | -1,040 | -1,137 | -248 | -173 | 460 | 2,549 | 1,529 | -162 | 220 |

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 42 Load Following | 3466 | 3468 | 3149 | 2944 | 3424 | 3853 | 3803 | 3643 | 3222 | 3261 | 3261 | 3280 | 3384 | 3682 | 3425 |
| 43 Preference Customers | 3047 | 3050 | 2787 | 2726 | 3261 | 3672 | 3633 | 3469 | 3018 | 2886 | 2886 | 2833 | 2927 | 3160 | 3117 |
| 44 Federal Agencies | 103 | 103 | 95.9 | 111 | 141 | 159 | 159 | 157 | 134 | 117 | 117 | 109 | 106 | 116 | 125 |
| 45 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 46 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Slice | 3569 | 3275 | 3327 | 3334 | 4181 | 4318 | 4048 | 3712 | 3676 | 3229 | 3473 | 3772 | 3188 | 3243 | 3631 |
| 50 Slice Block | 1550 | 1550 | 1620 | 1657 | 2044 | 2272 | 2300 | 2125 | 1977 | 1665 | 1665 | 1473 | 1379 | 1602 | 1804 |
| 51 Slice Output from T1 System | 2018 | 1724 | 1707 | 1677 | 2137 | 2046 | 1748 | 1587 | 1699 | 1564 | 1808 | 2298 | 1809 | 1641 | 1827 |
| 52 Direst Service Industries | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 53 DSI | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 54 Contract Deliveries | 609 | 612 | 508 | 501 | 614 | 608 | 608 | 605 | 532 | 534 | 534 | 479 | 478 | 495 | 547 |
| 55 Exports | 594 | 598 | 494 | 487 | 483 | 479 | 478 | 476 | 464 | 464 | 464 | 464 | 464 | 480 | 486 |
| 56 Intra-Regional Transfers (Out) | 14.8 | 14.8 | 13.7 | 13.9 | 131 | 130 | 130 | 129 | 67.4 | 70.0 | 70.0 | 14.5 | 14.4 | 15.8 | 61.5 |
| 57 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 Total Firm Obligations | 7730 | 7443 | 7072 | 6867 | 8306 | 8867 | 8546 | 8047 | 7517 | 7112 | 7356 | 7617 | 7138 | 7507 | 7692 |
| Net Resources | | | | | | | | | | | | | | | |
| 59 Hydro Resources | 7345 | 6198 | 6006 | 5727 | 7517 | 7183 | 6035 | 5410 | 5829 | 5468 | 6419 | 9077 | 7567 | 5991 | 6595 |
| 60 Regulated Hydro - Net | 6992 | 5847 | 5682 | 5416 | 7260 | 7022 | 5909 | 5275 | 5589 | 5041 | 5981 | 8363 | 6910 | 5598 | 6252 |
| 61 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 62 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 63 Other Resources | 1140 | 1159 | 1155 | 1144 | 1164 | 1148 | 1126 | 1143 | 1149 | 1188 | 1174 | 434 | 78.5 | 1070 | 995 |
| 64 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 67 Renewable Resources | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 |
| 68 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 Contract Purchases | 387 | 383 | 360 | 389 | 392 | 379 | 384 | 367 | 364 | 345 | 350 | 358 | 344 | 346 | 368 |

Loads and Resources - Federal System
Operating Year: 2019 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| ⁷⁰ Imports | 65.4 | 65.6 | 64.3 | 116 | 115 | 114 | 115 | 115 | 115 | 65.4 | 65.4 | 65.0 | 64.9 | 65.0 | 89.9 |
| ⁷¹ Intra-Regional Transfers (In) | 145 | 146 | 131 | 104 | 98.7 | 92.4 | 96.7 | 84.9 | 82.6 | 112 | 112 | 111 | 112 | 111 | 107 |
| ⁷² Non-Federal CER | 138 | 139 | 132 | 138 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |
| ⁷³ Slice Transmission Loss Return | 38.4 | 32.8 | 32.4 | 31.9 | 40.6 | 38.9 | 33.2 | 30.2 | 32.3 | 29.7 | 34.4 | 43.7 | 34.4 | 31.2 | 34.7 |
| ⁷⁴ Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⁷⁵ Reserves & Losses | -266 | -232 | -225 | -218 | -271 | -260 | -225 | -206 | -219 | -209 | -237 | -296 | -241 | -223 | -238 |
| ⁷⁶ Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⁷⁷ Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⁷⁸ Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⁷⁹ Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ⁸⁰ Transmission Losses | -266 | -232 | -225 | -218 | -271 | -260 | -225 | -206 | -219 | -209 | -237 | -296 | -241 | -223 | -238 |
| ⁸¹ Total Net Resources | 8606 | 7509 | 7296 | 7043 | 8802 | 8450 | 7320 | 6713 | 7123 | 6792 | 7706 | 9574 | 7750 | 7185 | 7720 |
| ⁸² Total Surplus/Deficit | 876 | 66 | 224 | 177 | 496 | -416 | -1,226 | -1,334 | -394 | -320 | 350 | 1,956 | 611 | -322 | 28 |

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 83 Load Following | 3494 | 3496 | 3174 | 2944 | 3425 | 3856 | 3835 | 3632 | 3254 | 3293 | 3293 | 3312 | 3416 | 3715 | 3446 |
| 84 Preference Customers | 3061 | 3064 | 2797 | 2715 | 3252 | 3665 | 3655 | 3451 | 3039 | 2908 | 2908 | 2855 | 2947 | 3182 | 3127 |
| 85 Federal Agencies | 117 | 117 | 110 | 121 | 152 | 170 | 169 | 166 | 145 | 128 | 128 | 119 | 116 | 126 | 137 |
| 86 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 87 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Slice | 3608 | 3323 | 3378 | 3248 | 4189 | 4329 | 4035 | 3797 | 3739 | 3286 | 3199 | 3950 | 3451 | 3390 | 3685 |
| 91 Slice Block | 1596 | 1596 | 1668 | 1634 | 2014 | 2237 | 2265 | 2021 | 1948 | 1641 | 1641 | 1450 | 1359 | 1580 | 1784 |
| 92 Slice Output from T1 System | 2012 | 1727 | 1710 | 1614 | 2175 | 2092 | 1770 | 1776 | 1791 | 1645 | 1558 | 2500 | 2092 | 1810 | 1900 |
| 93 Direst Service Industries | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 94 DSI | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 95 Contract Deliveries | 559 | 563 | 468 | 468 | 473 | 471 | 471 | 470 | 466 | 468 | 468 | 469 | 469 | 494 | 479 |
| 96 Exports | 544 | 548 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 464 |
| 97 Intra-Regional Transfers (Out) | 14.8 | 14.8 | 13.7 | 13.9 | 18.6 | 16.9 | 16.6 | 16.1 | 11.7 | 14.2 | 14.2 | 14.5 | 14.4 | 15.8 | 15.1 |
| 98 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Total Firm Obligations | 7748 | 7470 | 7107 | 6748 | 8175 | 8744 | 8429 | 7988 | 7546 | 7136 | 7048 | 7818 | 7423 | 7687 | 7698 |
| Net Resources | | | | | | | | | | | | | | | |
| 100 Hydro Resources | 7309 | 6198 | 6006 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9110 | 7543 | 6536 | 6657 |
| 101 Regulated Hydro - Net | 6956 | 5847 | 5682 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8396 | 6886 | 6143 | 6314 |
| 102 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 339 |
| 103 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.04 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 104 Other Resources | 1140 | 1159 | 1155 | 1144 | 1164 | 1148 | 1126 | 1143 | 1149 | 1188 | 1174 | 1179 | 1178 | 1177 | 1158 |
| 105 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 108 Renewable Resources | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 |
| 109 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Contract Purchases | 353 | 349 | 339 | 290 | 298 | 291 | 290 | 289 | 287 | 269 | 267 | 277 | 279 | 271 | 294 |

Loads and Resources - Federal System
Operating Year: 2020 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| 111 Imports | 65.4 | 65.6 | 64.3 | 116 | 115 | 114 | 115 | 115 | 115 | 65.4 | 65.4 | 64.4 | 65.4 | 65.0 | 90.0 |
| 112 Intra-Regional Transfers (In) | 111 | 111 | 109 | 5.11 | 3.80 | 3.24 | 2.50 | 2.40 | 4.58 | 34.1 | 34.1 | 31.7 | 35.4 | 33.3 | 31.4 |
| 113 Non-Federal CER | 138 | 139 | 133 | 139 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 134 | 138 | 139 | 137 |
| 114 Slice Transmission Loss Return | 38.2 | 32.8 | 32.5 | 30.7 | 41.3 | 39.8 | 33.6 | 33.8 | 34.0 | 31.3 | 29.6 | 47.5 | 39.8 | 34.4 | 36.1 |
| 115 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 116 Reserves & Losses | -264 | -231 | -224 | -207 | -268 | -259 | -221 | -222 | -225 | -214 | -204 | -317 | -271 | -240 | -243 |
| 117 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 Transmission Losses | -264 | -231 | -224 | -207 | -268 | -259 | -221 | -222 | -225 | -214 | -204 | -317 | -271 | -240 | -243 |
| 122 Total Net Resources | 8538 | 7476 | 7276 | 6698 | 8731 | 8413 | 7185 | 7219 | 7325 | 6954 | 6622 | 10250 | 8729 | 7745 | 7866 |
| 123 Total Surplus/Deficit | 790 | 6 | 169 | -49 | 556 | -330 | -1,244 | -768 | -221 | -182 | -426 | 2,432 | 1,307 | 58 | 168 |

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 124 Load Following | 3539 | 3518 | 3205 | 2984 | 3467 | 3899 | 3852 | 3694 | 3268 | 3307 | 3307 | 3325 | 3430 | 3731 | 3474 |
| 125 Preference Customers | 3098 | 3072 | 2818 | 2755 | 3292 | 3706 | 3670 | 3508 | 3052 | 2921 | 2921 | 2867 | 2961 | 3197 | 3151 |
| 126 Federal Agencies | 128 | 127 | 121 | 122 | 153 | 172 | 171 | 170 | 146 | 129 | 129 | 120 | 117 | 128 | 140 |
| 127 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 128 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 130 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 Slice | 3480 | 3280 | 3256 | 3289 | 4238 | 4387 | 4091 | 3922 | 3789 | 3327 | 3240 | 3794 | 3201 | 3402 | 3669 |
| 132 Slice Block | 1574 | 1574 | 1646 | 1676 | 2066 | 2295 | 2324 | 2147 | 1998 | 1684 | 1684 | 1488 | 1396 | 1621 | 1825 |
| 133 Slice Output from T1 System | 1905 | 1705 | 1610 | 1613 | 2172 | 2092 | 1767 | 1775 | 1791 | 1643 | 1556 | 2306 | 1805 | 1781 | 1844 |
| 134 Direct Service Industries | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 135 DSI | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 136 Contract Deliveries | 599 | 570 | 468 | 468 | 467 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 478 |
| 137 Exports | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 138 Intra-Regional Transfers (Out) | 14.8 | 14.8 | 13.7 | 13.8 | 13.2 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 11.9 |
| 139 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140 Total Firm Obligations | 7705 | 7454 | 7017 | 6830 | 8260 | 8841 | 8499 | 8172 | 7608 | 7186 | 7099 | 7670 | 7182 | 7707 | 7708 |
| Net Resources | | | | | | | | | | | | | | | |
| 141 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9110 | 7543 | 6536 | 6608 |
| 142 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8396 | 6886 | 6143 | 6265 |
| 143 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 144 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 145 Other Resources | 1140 | 1159 | 1155 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 429 | 73.1 | 1065 | 992 |
| 146 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 148 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 149 Renewable Resources | 39.6 | 59.4 | 55.2 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.6 |
| 150 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 Contract Purchases | 273 | 258 | 266 | 285 | 288 | 294 | 282 | 286 | 289 | 264 | 262 | 269 | 267 | 174 | 269 |

Loads and Resources - Federal System
Operating Year: 2021 Water Year: 1937
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|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 152 Imports | 65.4 | 64.5 | 64.9 | 116 | 114 | 115 | 114 | 115 | 116 | 65.4 | 65.4 | 64.4 | 65.4 | 1.00 | 84.5 |
| 153 Intra-Regional Transfers (In) | 33.0 | 31.2 | 32.3 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 28.9 | 26.9 | 28.9 | 0 | 12.4 |
| 154 Non-Federal CER | 138 | 129 | 138 | 139 | 133 | 139 | 134 | 137 | 139 | 138 | 138 | 134 | 138 | 139 | 137 |
| 155 Slice Transmission Loss Return | 36.2 | 32.4 | 30.6 | 30.6 | 41.3 | 39.8 | 33.6 | 33.7 | 34.0 | 31.2 | 29.6 | 43.8 | 34.3 | 33.8 | 35.0 |
| 156 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 Reserves & Losses | -250 | -226 | -210 | -207 | -268 | -259 | -221 | -222 | -225 | -214 | -204 | -294 | -237 | -233 | -235 |
| 158 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 159 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162 Transmission Losses | -250 | -226 | -210 | -207 | -268 | -259 | -221 | -222 | -225 | -214 | -204 | -294 | -237 | -233 | -235 |
| 163 Total Net Resources | 8100 | 7324 | 6824 | 6690 | 8717 | 8413 | 7176 | 7213 | 7323 | 6943 | 6612 | 9513 | 7645 | 7541 | 7633 |
| 164 Total Surplus/Deficit | 394 | -130 | -192 | -139 | 458 | -428 | -1,323 | -958 | -285 | -243 | -487 | 1,843 | 463 | -166 | -75 |

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|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 165 Load Following | 3528 | 3558 | 3220 | 2996 | 3480 | 3914 | 3864 | 3706 | 3277 | 3317 | 3317 | 3333 | 3439 | 3741 | 3485 |
| 166 Preference Customers | 3080 | 3117 | 2831 | 2765 | 3305 | 3721 | 3681 | 3519 | 3061 | 2930 | 2930 | 2875 | 2969 | 3207 | 3162 |
| 167 Federal Agencies | 128 | 129 | 122 | 123 | 154 | 172 | 172 | 171 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 168 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 169 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 171 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172 Slice | 3524 | 3314 | 3296 | 3252 | 4195 | 4338 | 4042 | 3876 | 3746 | 3291 | 3204 | 3955 | 3456 | 3393 | 3684 |
| 173 Slice Block | 1615 | 1615 | 1688 | 1640 | 2021 | 2246 | 2274 | 2101 | 1955 | 1648 | 1648 | 1456 | 1366 | 1586 | 1798 |
| 174 Slice Output from T1 System | 1909 | 1699 | 1609 | 1612 | 2174 | 2092 | 1768 | 1775 | 1791 | 1644 | 1557 | 2499 | 2090 | 1808 | 1886 |
| 175 Direst Service Industries | 87.3 | 87.7 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 176 DSI | 87.3 | 87.7 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 177 Contract Deliveries | 557 | 598 | 464 | 464 | 468 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 477 |
| 178 Exports | 548 | 589 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 179 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 180 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 181 Total Firm Obligations | 7697 | 7558 | 7067 | 6799 | 8231 | 8808 | 8461 | 8138 | 7575 | 7160 | 7072 | 7840 | 7446 | 7709 | 7734 |
| Net Resources | | | | | | | | | | | | | | | |
| 182 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9109 | 7542 | 6537 | 6608 |
| 183 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6265 |
| 184 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 185 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 186 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 1174 | 1173 | 1171 | 1154 |
| 187 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 188 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 190 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 191 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Contract Purchases | 165 | 173 | 170 | 165 | 180 | 180 | 168 | 171 | 174 | 170 | 169 | 182 | 179 | 169 | 173 |

Loads and Resources - Federal System
Operating Year: 2022 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| 193 Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 194 Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 Non-Federal CER | 127 | 139 | 138 | 134 | 138 | 139 | 134 | 137 | 139 | 138 | 138 | 134 | 138 | 134 | 136 |
| 196 Slice Transmission Loss Return | 36.3 | 32.3 | 30.6 | 30.6 | 41.3 | 39.8 | 33.6 | 33.7 | 34.0 | 31.2 | 29.6 | 47.5 | 39.7 | 34.4 | 35.8 |
| 197 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -217 | -218 | -222 | -211 | -201 | -314 | -267 | -236 | -237 |
| 199 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -217 | -218 | -222 | -211 | -201 | -314 | -267 | -236 | -237 |
| 204 Total Net Resources | 7992 | 7238 | 6727 | 6574 | 8613 | 8302 | 7066 | 7102 | 7212 | 6853 | 6521 | 10151 | 8627 | 7641 | 7697 |
| 205 Total Surplus/Deficit | 295 | -320 | -340 | -225 | 382 | -505 | -1,395 | -1,035 | -363 | -307 | -551 | 2,312 | 1,181 | -69 | -37 |

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 206 Load Following | 3552 | 3555 | 3229 | 3008 | 3495 | 3930 | 3880 | 3723 | 3292 | 3342 | 3319 | 3347 | 3453 | 3756 | 3499 |
| 207 Preference Customers | 3107 | 3110 | 2840 | 2778 | 3320 | 3736 | 3698 | 3536 | 3076 | 2957 | 2931 | 2889 | 2984 | 3222 | 3176 |
| 208 Federal Agencies | 129 | 129 | 123 | 122 | 153 | 172 | 171 | 171 | 147 | 130 | 129 | 120 | 117 | 128 | 140 |
| 209 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 210 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 212 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 213 Slice | 3489 | 3283 | 3260 | 3297 | 4250 | 4399 | 4104 | 3934 | 3800 | 3332 | 3251 | 3803 | 3209 | 3409 | 3678 |
| 214 Slice Block | 1580 | 1580 | 1651 | 1685 | 2077 | 2308 | 2337 | 2159 | 2009 | 1694 | 1694 | 1497 | 1404 | 1629 | 1835 |
| 215 Slice Output from T1 System | 1909 | 1703 | 1609 | 1611 | 2173 | 2092 | 1767 | 1775 | 1790 | 1639 | 1557 | 2306 | 1805 | 1779 | 1844 |
| 216 Direst Service Industries | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 88.1 | 87.7 | 87.4 | 87.2 | 87.2 | 87.6 |
| 217 DSI | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 88.1 | 87.7 | 87.4 | 87.2 | 87.2 | 87.6 |
| 218 Contract Deliveries | 576 | 581 | 464 | 464 | 468 | 468 | 468 | 468 | 464 | 482 | 446 | 464 | 464 | 488 | 477 |
| 219 Exports | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 472 | 436 | 454 | 454 | 478 | 466 |
| 220 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 221 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 222 Total Firm Obligations | 7704 | 7506 | 7040 | 6856 | 8300 | 8885 | 8539 | 8212 | 7642 | 7244 | 7103 | 7701 | 7213 | 7740 | 7742 |
| Net Resources | | | | | | | | | | | | | | | |
| 223 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9108 | 7543 | 6536 | 6608 |
| 224 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 225 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 226 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 227 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 429 | 73.1 | 1065 | 991 |
| 228 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 229 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 230 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 231 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 232 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 233 Contract Purchases | 175 | 173 | 170 | 165 | 180 | 180 | 168 | 171 | 174 | 170 | 158 | 184 | 173 | 168 | 173 |

Loads and Resources - Federal System
Operating Year: 2023 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| ²³⁴ Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| ²³⁵ Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²³⁶ Non-Federal CER | 138 | 139 | 138 | 134 | 138 | 139 | 134 | 137 | 139 | 138 | 127 | 139 | 138 | 134 | 137 |
| ²³⁷ Slice Transmission Loss Return | 36.3 | 32.4 | 30.6 | 30.6 | 41.3 | 39.7 | 33.6 | 33.7 | 34.0 | 31.1 | 29.6 | 43.8 | 34.3 | 33.8 | 35.0 |
| ²³⁸ Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²³⁹ Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -217 | -218 | -222 | -211 | -201 | -292 | -235 | -233 | -233 |
| ²⁴⁰ Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²⁴¹ Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²⁴² Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²⁴³ Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ²⁴⁴ Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -217 | -218 | -222 | -211 | -201 | -292 | -235 | -233 | -233 |
| ²⁴⁵ Total Net Resources | 8003 | 7238 | 6727 | 6574 | 8613 | 8302 | 7066 | 7102 | 7212 | 6853 | 6511 | 9429 | 7555 | 7536 | 7539 |
| ²⁴⁶ Total Surplus/Deficit | 298 | -268 | -313 | -282 | 313 | -583 | -1,474 | -1,109 | -431 | -392 | -592 | 1,727 | 342 | -203 | -203 |

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 247 Load Following | 3567 | 3569 | 3242 | 3024 | 3512 | 3949 | 3898 | 3694 | 3307 | 3346 | 3346 | 3362 | 3469 | 3773 | 3512 |
| 248 Preference Customers | 3122 | 3125 | 2854 | 2793 | 3337 | 3754 | 3715 | 3509 | 3091 | 2959 | 2959 | 2903 | 2999 | 3238 | 3190 |
| 249 Federal Agencies | 129 | 129 | 122 | 123 | 154 | 173 | 172 | 168 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 250 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 251 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 252 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 253 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 254 Slice | 3531 | 3326 | 3304 | 3266 | 4212 | 4356 | 4063 | 3822 | 3762 | 3306 | 3219 | 3970 | 3467 | 3408 | 3694 |
| 255 Slice Block | 1623 | 1623 | 1696 | 1654 | 2038 | 2265 | 2294 | 2046 | 1972 | 1662 | 1662 | 1470 | 1378 | 1599 | 1808 |
| 256 Slice Output from T1 System | 1908 | 1703 | 1608 | 1612 | 2174 | 2091 | 1769 | 1776 | 1790 | 1644 | 1557 | 2500 | 2089 | 1809 | 1886 |
| 257 Direst Service Industries | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 258 DSI | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 259 Contract Deliveries | 576 | 581 | 464 | 464 | 468 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 477 |
| 260 Exports | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 261 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.2 | 13.4 | 13.5 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 262 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 Total Firm Obligations | 7762 | 7564 | 7098 | 6842 | 8280 | 8860 | 8516 | 8071 | 7621 | 7204 | 7116 | 7883 | 7487 | 7756 | 7771 |
| Net Resources | | | | | | | | | | | | | | | |
| 264 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9109 | 7542 | 6537 | 6606 |
| 265 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6264 |
| 266 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 339 |
| 267 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.04 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 268 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 1174 | 1173 | 1171 | 1154 |
| 269 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 270 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 271 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 272 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 53.9 |
| 273 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 274 Contract Purchases | 175 | 173 | 170 | 165 | 180 | 174 | 173 | 172 | 169 | 170 | 169 | 187 | 173 | 174 | 174 |

Loads and Resources - Federal System
Operating Year: 2024 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| 275 Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 276 Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 277 Non-Federal CER | 138 | 139 | 138 | 134 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |
| 278 Slice Transmission Loss Return | 36.3 | 32.4 | 30.6 | 30.6 | 41.3 | 39.7 | 33.6 | 33.7 | 34.0 | 31.2 | 29.6 | 47.5 | 39.7 | 34.4 | 35.8 |
| 279 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 280 Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -314 | -267 | -237 | -237 |
| 281 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 282 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 283 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 284 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 285 Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -314 | -267 | -237 | -237 |
| 286 Total Net Resources | 8003 | 7238 | 6727 | 6574 | 8613 | 8297 | 7071 | 7103 | 7207 | 6853 | 6521 | 10156 | 8622 | 7646 | 7696 |
| 287 Total Surplus/Deficit | 241 | -326 | -371 | -267 | 333 | -563 | -1,446 | -968 | -414 | -351 | -595 | 2,274 | 1,135 | -110 | -74 |

Loads and Resources - Federal System
Operating Year: 2025 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 288 Load Following | 3583 | 3586 | 3257 | 3038 | 3528 | 3966 | 3915 | 3758 | 3322 | 3360 | 3360 | 3375 | 3482 | 3788 | 3531 |
| 289 Preference Customers | 3138 | 3141 | 2868 | 2806 | 3351 | 3770 | 3730 | 3568 | 3103 | 2971 | 2971 | 2915 | 3011 | 3251 | 3206 |
| 290 Federal Agencies | 129 | 129 | 123 | 125 | 156 | 175 | 174 | 174 | 149 | 132 | 132 | 123 | 120 | 130 | 142 |
| 291 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 292 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 293 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 294 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 295 Slice | 3502 | 3297 | 3273 | 3302 | 4256 | 4406 | 4113 | 3941 | 3804 | 3342 | 3255 | 3809 | 3212 | 3415 | 3685 |
| 296 Slice Block | 1593 | 1593 | 1665 | 1691 | 2083 | 2316 | 2344 | 2166 | 2016 | 1699 | 1699 | 1503 | 1409 | 1634 | 1842 |
| 297 Slice Output from T1 System | 1909 | 1703 | 1608 | 1612 | 2173 | 2090 | 1768 | 1775 | 1789 | 1643 | 1556 | 2306 | 1803 | 1781 | 1843 |
| 298 Direst Service Industries | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 299 DSI | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 300 Contract Deliveries | 576 | 581 | 464 | 464 | 468 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 477 |
| 301 Exports | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 302 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.2 | 13.4 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 303 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 304 Total Firm Obligations | 7749 | 7551 | 7081 | 6892 | 8340 | 8927 | 8583 | 8255 | 7678 | 7254 | 7167 | 7735 | 7246 | 7778 | 7781 |
| Net Resources | | | | | | | | | | | | | | | |
| 305 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9108 | 7543 | 6536 | 6608 |
| 306 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 307 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 308 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 309 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 429 | 73.1 | 1065 | 991 |
| 310 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 311 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 312 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 313 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 314 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 315 Contract Purchases | 175 | 173 | 167 | 168 | 180 | 174 | 173 | 174 | 169 | 170 | 169 | 184 | 168 | 174 | 173 |

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 316 Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 317 Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 318 Non-Federal CER | 138 | 139 | 135 | 136 | 138 | 134 | 139 | 139 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |
| 319 Slice Transmission Loss Return | 36.3 | 32.4 | 30.6 | 30.6 | 41.3 | 39.7 | 33.6 | 33.7 | 34.0 | 31.2 | 29.6 | 43.8 | 34.3 | 33.8 | 35.0 |
| 320 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -292 | -234 | -233 | -233 |
| 322 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 323 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 324 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 325 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 326 Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -292 | -234 | -233 | -233 |
| 327 Total Net Resources | 8003 | 7238 | 6724 | 6577 | 8613 | 8297 | 7071 | 7105 | 7207 | 6853 | 6521 | 9429 | 7549 | 7541 | 7539 |
| 328 Total Surplus/Deficit | 254 | -313 | -357 | -315 | 273 | -630 | -1,513 | -1,149 | -471 | -401 | -645 | 1,693 | 304 | -236 | -241 |

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 329 Load Following | 3610 | 3588 | 3270 | 3052 | 3544 | 3983 | 3932 | 3775 | 3337 | 3374 | 3374 | 3389 | 3497 | 3803 | 3546 |
| 330 Preference Customers | 3166 | 3139 | 2879 | 2819 | 3366 | 3786 | 3745 | 3584 | 3117 | 2984 | 2984 | 2927 | 3024 | 3266 | 3220 |
| 331 Federal Agencies | 132 | 131 | 125 | 125 | 157 | 176 | 175 | 175 | 150 | 132 | 132 | 123 | 120 | 131 | 143 |
| 332 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 333 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 334 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 335 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 336 Slice | 3533 | 3333 | 3309 | 3266 | 4211 | 4356 | 4062 | 3894 | 3761 | 3305 | 3218 | 3970 | 3467 | 3407 | 3699 |
| 337 Slice Block | 1629 | 1629 | 1701 | 1653 | 2037 | 2264 | 2293 | 2118 | 1971 | 1662 | 1662 | 1470 | 1378 | 1598 | 1813 |
| 338 Slice Output from T1 System | 1905 | 1704 | 1608 | 1613 | 2174 | 2091 | 1769 | 1776 | 1790 | 1644 | 1557 | 2500 | 2089 | 1809 | 1886 |
| 339 Direst Service Industries | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 340 DSI | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 341 Contract Deliveries | 594 | 564 | 464 | 464 | 467 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 477 |
| 342 Exports | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 343 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.2 | 13.4 | 13.4 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 344 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 345 Total Firm Obligations | 7825 | 7572 | 7130 | 6869 | 8311 | 8894 | 8549 | 8224 | 7648 | 7231 | 7144 | 7909 | 7514 | 7785 | 7809 |
| Net Resources | | | | | | | | | | | | | | | |
| 346 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9109 | 7542 | 6537 | 6608 |
| 347 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6265 |
| 348 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 349 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 350 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 1174 | 1173 | 1171 | 1154 |
| 351 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 352 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 353 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 354 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 355 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 356 Contract Purchases | 178 | 165 | 168 | 168 | 179 | 175 | 173 | 174 | 169 | 170 | 169 | 187 | 174 | 174 | 174 |

Loads and Resources - Federal System
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|
| 357 Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 358 Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 359 Non-Federal CER | 141 | 132 | 136 | 136 | 137 | 134 | 139 | 139 | 134 | 138 | 138 | 138 | 133 | 139 | 137 |
| 360 Slice Transmission Loss Return | 36.2 | 32.4 | 30.6 | 30.6 | 41.3 | 39.7 | 33.6 | 33.8 | 34.0 | 31.2 | 29.6 | 47.5 | 39.7 | 34.4 | 35.8 |
| 361 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 362 Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -314 | -267 | -237 | -237 |
| 363 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 364 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 365 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 366 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 367 Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -314 | -267 | -237 | -237 |
| 368 Total Net Resources | 8005 | 7230 | 6725 | 6577 | 8612 | 8298 | 7071 | 7105 | 7207 | 6853 | 6521 | 10156 | 8622 | 7646 | 7698 |
| 369 Total Surplus/Deficit | 180 | -342 | -405 | -292 | 301 | -596 | -1,479 | -1,119 | -441 | -379 | -623 | 2,247 | 1,108 | -140 | -112 |

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Firm Obligations | | | | | | | | | | | | | | | |
| 370 Load Following | 3625 | 3603 | 3284 | 3075 | 3570 | 4010 | 3943 | 3786 | 3345 | 3383 | 3383 | 3397 | 3506 | 3813 | 3560 |
| 371 Preference Customers | 3180 | 3153 | 2892 | 2842 | 3390 | 3812 | 3755 | 3594 | 3125 | 2992 | 2992 | 2935 | 3033 | 3275 | 3233 |
| 372 Federal Agencies | 133 | 132 | 125 | 126 | 158 | 177 | 176 | 176 | 151 | 133 | 133 | 124 | 121 | 132 | 144 |
| 373 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 374 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 375 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 376 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 377 Slice | 3498 | 3297 | 3272 | 3299 | 4251 | 4400 | 4107 | 3936 | 3799 | 3337 | 3250 | 3804 | 3209 | 3411 | 3681 |
| 378 Slice Block | 1593 | 1593 | 1663 | 1687 | 2078 | 2310 | 2339 | 2161 | 2009 | 1694 | 1694 | 1499 | 1405 | 1630 | 1838 |
| 379 Slice Output from T1 System | 1905 | 1705 | 1609 | 1611 | 2173 | 2090 | 1768 | 1776 | 1789 | 1643 | 1556 | 2306 | 1804 | 1780 | 1843 |
| 380 Direst Service Industries | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 381 DSI | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 382 Contract Deliveries | 594 | 564 | 464 | 464 | 467 | 468 | 468 | 468 | 464 | 464 | 464 | 464 | 464 | 488 | 477 |
| 383 Exports | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 384 Intra-Regional Transfers (Out) | 9.44 | 9.44 | 9.44 | 9.44 | 13.2 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 385 Firm Surplus Sale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 386 Total Firm Obligations | 7805 | 7552 | 7107 | 6926 | 8377 | 8966 | 8606 | 8277 | 7695 | 7271 | 7184 | 7752 | 7266 | 7799 | 7806 |
| Net Resources | | | | | | | | | | | | | | | |
| 387 Hydro Resources | 6938 | 6133 | 5613 | 5471 | 7538 | 7233 | 5991 | 6010 | 6114 | 5711 | 5385 | 9108 | 7543 | 6536 | 6608 |
| 388 Regulated Hydro - Net | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 389 Independent Hydro - Net | 351 | 348 | 321 | 308 | 255 | 158 | 123 | 131 | 237 | 424 | 435 | 711 | 654 | 391 | 340 |
| 390 Small Hydro - Net | 2.63 | 2.63 | 2.63 | 2.67 | 2.84 | 3.19 | 3.21 | 3.05 | 3.10 | 3.09 | 3.09 | 2.83 | 2.72 | 2.63 | 2.88 |
| 391 Other Resources | 1137 | 1155 | 1151 | 1141 | 1159 | 1145 | 1124 | 1140 | 1146 | 1182 | 1169 | 429 | 73.1 | 1065 | 991 |
| 392 Cogeneration Resources | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 393 Combustion Turbines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 394 Large Thermal Resources | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 395 Renewable Resources | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 396 Small Thermal & Misc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 397 Contract Purchases | 178 | 165 | 169 | 165 | 179 | 175 | 173 | 175 | 170 | 170 | 169 | 181 | 171 | 173 | 173 |

Loads and Resources - Federal System
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| 398 Imports | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 399 Intra-Regional Transfers (In) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400 Non-Federal CER | 141 | 132 | 138 | 134 | 137 | 134 | 138 | 140 | 135 | 138 | 138 | 136 | 135 | 138 | 137 |
| 401 Slice Transmission Loss Return | 36.2 | 32.4 | 30.6 | 30.6 | 41.3 | 39.7 | 33.6 | 33.7 | 34.0 | 31.2 | 29.6 | 43.8 | 34.3 | 33.8 | 35.0 |
| 402 Augmentation Purchases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 403 Reserves & Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -292 | -234 | -233 | -233 |
| 404 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 406 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 407 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 408 Transmission Losses | -247 | -224 | -207 | -203 | -265 | -255 | -218 | -218 | -222 | -211 | -201 | -292 | -234 | -233 | -233 |
| 409 Total Net Resources | 8005 | 7230 | 6727 | 6574 | 8612 | 8298 | 7070 | 7106 | 7208 | 6853 | 6521 | 9426 | 7552 | 7541 | 7539 |
| 410 Total Surplus/Deficit | 200 | -322 | -380 | -351 | 235 | -668 | -1,536 | -1,171 | -487 | -419 | -663 | 1,674 | 286 | -259 | -267 |

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Exhibit 20
Regional Report Surplus Deficit

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Loads and Resources - Pacific Northwest Region

Operating Year: 2018 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 1 Retail Loads | 22768 | 22790 | 21082 | 20283 | 22701 | 24998 | 25235 | 24065 | 22105 | 20990 | 21145 | 20462 | 22175 | 23651 | 22547 |
| 2 Federal Agency | 112 | 112 | 106 | 108 | 134 | 153 | 152 | 149 | 128 | 114 | 114 | 106 | 103 | 113 | 123 |
| 3 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 4 Cooperative | 2031 | 2031 | 1800 | 1687 | 1968 | 2240 | 2191 | 2114 | 1843 | 1799 | 1813 | 1869 | 1977 | 2161 | 1974 |
| 5 Municipality | 2391 | 2394 | 2316 | 2495 | 2956 | 3126 | 3171 | 3065 | 2734 | 2584 | 2611 | 2394 | 2367 | 2425 | 2668 |
| 6 Public Utility District | 4468 | 4471 | 4241 | 4366 | 5034 | 5576 | 5562 | 5317 | 4823 | 4575 | 4606 | 4310 | 4383 | 4567 | 4768 |
| 7 Investor-Owned Utility | 13025 | 13042 | 11928 | 11094 | 12163 | 13456 | 13722 | 12978 | 12083 | 11234 | 11319 | 11021 | 12569 | 13554 | 12406 |
| 8 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 9 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 421 | 422 | 421 | 421 | 421 | 421 |
| 10 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Exports | 1311 | 1510 | 1335 | 1029 | 1197 | 1045 | 799 | 963 | 1025 | 1406 | 1310 | 1340 | 1395 | 1507 | 1201 |
| 12 Canada | 582 | 586 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 451 | 488 | 469 | 469 | 485 | 480 |
| 13 East Continental Divide | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 |
| 14 Inland Southwest | 34.3 | 38.9 | 37.9 | 35.4 | 39.9 | 36.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 24.0 |
| 15 Pacific Southwest | 688 | 878 | 821 | 517 | 681 | 532 | 317 | 477 | 537 | 928 | 798 | 845 | 901 | 997 | 690 |
| 16 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Total Regional Loads | 24079 | 24300 | 22418 | 21311 | 23898 | 26043 | 26034 | 25028 | 23130 | 22396 | 22455 | 21802 | 23570 | 25158 | 23748 |
| Regional Resources | | | | | | | | | | | | | | | |
| 18 Hydro Resources | 11944 | 10657 | 9468 | 10201 | 12633 | 13335 | 10746 | 9968 | 10312 | 10519 | 11740 | 15846 | 15135 | 11714 | 11826 |
| 19 Regulated Hydro - Net | 10626 | 9344 | 8264 | 9127 | 11684 | 12357 | 9904 | 9063 | 9184 | 8920 | 10121 | 13831 | 13115 | 10162 | 10525 |
| 20 Independent Hydro - Net | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1053 |
| 21 Small Hydro - Net | 327 | 325 | 245 | 164 | 133 | 125 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 248 |
| 22 Other Resources | 16394 | 16987 | 16920 | 16607 | 17373 | 17017 | 16296 | 16785 | 16096 | 17734 | 15565 | 13087 | 15465 | 17510 | 16370 |
| 23 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2379 | 1831 | 2107 | 2221 | 2401 | 2300 |
| 24 Combustion Turbine Resources | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3409 | 4428 | 6099 | 5826 |
| 25 Large Thermal Resources | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6359 | 6255 | 6058 | 4924 | 6233 | 6426 | 6255 |
| 26 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2609 | 2550 | 2548 | 1953 |
| 27 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 28 Imports | 610 | 610 | 555 | 578 | 792 | 897 | 735 | 734 | 636 | 508 | 510 | 549 | 683 | 730 | 667 |
| 29 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 30 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Inland Southwest | 525 | 525 | 476 | 442 | 435 | 469 | 441 | 455 | 429 | 408 | 409 | 456 | 580 | 640 | 480 |

Loads and Resources - Pacific Northwest Region
Operating Year: 2018 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ³² Pacific Southwest | 64.4 | 64.6 | 63.9 | 114 | 318 | 378 | 231 | 208 | 145 | 69.5 | 70.6 | 64.0 | 64.4 | 63.4 | 148 |
| ³³ Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁴ Reserves & Losses | -860 | -839 | -800 | -813 | -915 | -928 | -825 | -816 | -803 | -854 | -826 | -876 | -929 | -890 | -857 |
| ³⁵ Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁶ Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁷ Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁸ Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ³⁹ Transmission Losses | -860 | -839 | -800 | -813 | -915 | -928 | -825 | -816 | -803 | -854 | -826 | -876 | -929 | -890 | -857 |
| ⁴⁰ Total Regional Resources | 28089 | 27415 | 26144 | 26572 | 29884 | 30321 | 26951 | 26670 | 26240 | 27907 | 26989 | 28606 | 30354 | 29064 | 28006 |
| ⁴¹ Total Surplus/Deficit | 4010 | 3115 | 3726 | 5261 | 5986 | 4278 | 917 | 1642 | 3110 | 5510 | 4534 | 6804 | 6784 | 3906 | 4258 |

Loads and Resources - Pacific Northwest Region

Operating Year: 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 42 Retail Loads | 23180 | 23203 | 21452 | 20519 | 22957 | 25275 | 25502 | 24323 | 22344 | 21294 | 21294 | 20687 | 22446 | 23929 | 22823 |
| 43 Federal Agency | 114 | 114 | 107 | 122 | 148 | 167 | 166 | 164 | 142 | 128 | 128 | 120 | 117 | 127 | 135 |
| 44 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 45 Cooperative | 2064 | 2064 | 1833 | 1721 | 2003 | 2276 | 2226 | 2150 | 1877 | 1841 | 1841 | 1905 | 2014 | 2199 | 2009 |
| 46 Municipality | 2436 | 2438 | 2359 | 2513 | 2976 | 3146 | 3187 | 3081 | 2748 | 2611 | 2611 | 2406 | 2379 | 2437 | 2688 |
| 47 Public Utility District | 4567 | 4570 | 4345 | 4381 | 5056 | 5603 | 5579 | 5334 | 4832 | 4597 | 4597 | 4316 | 4390 | 4561 | 4795 |
| 48 Investor-Owned Utility | 13258 | 13275 | 12116 | 11248 | 12327 | 13637 | 13907 | 13153 | 12250 | 11433 | 11433 | 11177 | 12769 | 13774 | 12588 |
| 49 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 50 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 51 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Exports | 1238 | 1437 | 1275 | 982 | 1161 | 1009 | 786 | 951 | 994 | 1379 | 1249 | 1294 | 1345 | 1456 | 1159 |
| 53 Canada | 553 | 558 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 480 | 473 |
| 54 East Continental Divide | 6.80 | 6.80 | 6.80 | 6.80 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.46 |
| 55 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 56 Pacific Southwest | 668 | 859 | 792 | 501 | 681 | 532 | 315 | 476 | 518 | 893 | 766 | 810 | 862 | 957 | 670 |
| 57 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 Total Regional Loads | 24418 | 24640 | 22728 | 21501 | 24118 | 26284 | 26289 | 25275 | 23338 | 22673 | 22542 | 21981 | 23791 | 25385 | 23983 |
| Regional Resources | | | | | | | | | | | | | | | |
| 59 Hydro Resources | 12323 | 10396 | 10147 | 10203 | 12635 | 13337 | 10745 | 9980 | 10315 | 10512 | 11727 | 15845 | 15119 | 11672 | 11882 |
| 60 Regulated Hydro - Net | 11002 | 9082 | 8940 | 9127 | 11684 | 12357 | 9903 | 9072 | 9184 | 8919 | 10109 | 13833 | 13115 | 10121 | 10582 |
| 61 Independent Hydro - Net | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1053 |
| 62 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 120 | 129 | 163 | 282 | 288 | 412 | 430 | 424 | 248 |
| 63 Other Resources | 16312 | 16986 | 16883 | 16613 | 17372 | 17016 | 16295 | 16784 | 15996 | 16674 | 14872 | 12323 | 14531 | 17402 | 16132 |
| 64 Cogeneration Resources | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2012 | 1831 | 2041 | 2167 | 2400 | 2282 |
| 65 Combustion Turbine Resources | 6016 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3432 | 4428 | 6099 | 5825 |
| 66 Large Thermal Resources | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6140 | 5562 | 5365 | 4206 | 5341 | 6319 | 6036 |
| 67 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |
| 68 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 69 Imports | 616 | 616 | 558 | 581 | 771 | 870 | 707 | 706 | 608 | 506 | 506 | 552 | 689 | 738 | 658 |
| 70 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 71 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Inland Southwest | 531 | 531 | 479 | 445 | 438 | 472 | 444 | 458 | 432 | 411 | 411 | 459 | 586 | 647 | 484 |

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|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 73 Pacific Southwest | 64.4 | 64.6 | 63.3 | 115 | 295 | 348 | 201 | 178 | 114 | 64.4 | 64.4 | 64.0 | 63.9 | 64.0 | 136 |
| 74 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Reserves & Losses | -869 | -832 | -819 | -814 | -914 | -927 | -824 | -816 | -800 | -822 | -805 | -853 | -901 | -885 | -852 |
| 76 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 Transmission Losses | -869 | -832 | -819 | -814 | -914 | -927 | -824 | -816 | -800 | -822 | -805 | -853 | -901 | -885 | -852 |
| 81 Total Regional Resources | 28382 | 27167 | 26768 | 26584 | 29864 | 30295 | 26923 | 26654 | 26120 | 26869 | 26300 | 27868 | 29438 | 28926 | 27821 |
| 82 Total Surplus/Deficit | 3964 | 2527 | 4040 | 5083 | 5746 | 4012 | 635 | 1380 | 2782 | 4197 | 3757 | 5887 | 5647 | 3541 | 3839 |

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 83 Retail Loads | 23454 | 23477 | 21676 | 20772 | 23225 | 25573 | 25831 | 24527 | 22646 | 21587 | 21587 | 20987 | 22782 | 24288 | 23114 |
| 84 Federal Agency | 128 | 128 | 122 | 133 | 159 | 178 | 177 | 173 | 153 | 140 | 140 | 131 | 128 | 138 | 147 |
| 85 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 86 Cooperative | 2101 | 2102 | 1869 | 1757 | 2039 | 2313 | 2263 | 2156 | 1913 | 1877 | 1877 | 1941 | 2050 | 2236 | 2043 |
| 87 Municipality | 2448 | 2450 | 2371 | 2522 | 2986 | 3156 | 3223 | 3107 | 2783 | 2647 | 2647 | 2441 | 2415 | 2473 | 2713 |
| 88 Public Utility District | 4560 | 4563 | 4332 | 4424 | 5104 | 5655 | 5635 | 5314 | 4883 | 4648 | 4648 | 4375 | 4440 | 4613 | 4832 |
| 89 Investor-Owned Utility | 13476 | 13493 | 12290 | 11404 | 12490 | 13825 | 14096 | 13334 | 12420 | 11592 | 11592 | 11336 | 12972 | 13998 | 12772 |
| 90 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 91 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 92 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 Exports | 1182 | 1382 | 1230 | 944 | 1132 | 984 | 763 | 929 | 984 | 1369 | 1239 | 1284 | 1335 | 1454 | 1136 |
| 94 Canada | 544 | 548 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 464 |
| 95 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 96 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 97 Pacific Southwest | 628 | 819 | 761 | 478 | 662 | 518 | 301 | 464 | 517 | 893 | 766 | 810 | 862 | 957 | 657 |
| 98 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Total Regional Loads | 24636 | 24859 | 22906 | 21716 | 24357 | 26558 | 26594 | 25456 | 23630 | 22956 | 22826 | 22272 | 24117 | 25743 | 24250 |
| Regional Resources | | | | | | | | | | | | | | | |
| 100 Hydro Resources | 12287 | 10395 | 10143 | 9889 | 12626 | 13381 | 10812 | 10335 | 10792 | 11035 | 10256 | 16109 | 14929 | 12497 | 11963 |
| 101 Regulated Hydro - Net | 10966 | 9082 | 8940 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14095 | 12909 | 10945 | 10663 |
| 102 Independent Hydro - Net | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1052 |
| 103 Small Hydro - Net | 329 | 326 | 243 | 164 | 134 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 248 |
| 104 Other Resources | 16313 | 16987 | 16920 | 16607 | 17335 | 17017 | 16298 | 16785 | 16032 | 16995 | 14820 | 12711 | 15470 | 17477 | 16264 |
| 105 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2382 | 1828 | 2090 | 2241 | 2368 | 2295 |
| 106 Combustion Turbine Resources | 6016 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3468 | 4398 | 6099 | 5827 |
| 107 Large Thermal Resources | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6293 | 5513 | 5316 | 4497 | 6231 | 6426 | 6152 |
| 108 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2566 | 2548 | 1954 |
| 109 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 110 Imports | 622 | 622 | 561 | 584 | 773 | 872 | 710 | 709 | 611 | 508 | 508 | 554 | 696 | 745 | 662 |
| 111 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 112 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Inland Southwest | 536 | 536 | 482 | 448 | 440 | 474 | 446 | 461 | 434 | 414 | 414 | 462 | 592 | 654 | 487 |

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|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 114 Pacific Southwest | 64.4 | 64.6 | 63.3 | 115 | 295 | 348 | 201 | 178 | 114 | 64.4 | 64.4 | 63.4 | 64.4 | 64.0 | 136 |
| 115 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 116 Reserves & Losses | -868 | -832 | -820 | -804 | -913 | -929 | -826 | -827 | -815 | -848 | -760 | -872 | -924 | -912 | -858 |
| 117 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 Transmission Losses | -868 | -832 | -820 | -804 | -913 | -929 | -826 | -827 | -815 | -848 | -760 | -872 | -924 | -912 | -858 |
| 122 Total Regional Resources | 28353 | 27172 | 26804 | 26276 | 29822 | 30341 | 26994 | 27002 | 26620 | 27692 | 24825 | 28502 | 30171 | 29806 | 28032 |
| 123 Total Surplus/Deficit | 3718 | 2313 | 3898 | 4559 | 5465 | 3783 | 400 | 1546 | 2990 | 4736 | 1999 | 6231 | 6054 | 4063 | 3782 |

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|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 124 Retail Loads | 23910 | 23738 | 21989 | 21051 | 23520 | 25886 | 26113 | 24913 | 22905 | 21833 | 21833 | 21233 | 23072 | 24602 | 23408 |
| 125 Federal Agency | 139 | 138 | 133 | 134 | 161 | 179 | 179 | 178 | 154 | 141 | 141 | 132 | 129 | 139 | 150 |
| 126 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 127 Cooperative | 2146 | 2130 | 1905 | 1791 | 2074 | 2348 | 2299 | 2223 | 1948 | 1912 | 1912 | 1976 | 2086 | 2273 | 2081 |
| 128 Municipality | 2497 | 2475 | 2407 | 2554 | 3019 | 3190 | 3231 | 3126 | 2791 | 2654 | 2654 | 2448 | 2422 | 2481 | 2732 |
| 129 Public Utility District | 4628 | 4601 | 4383 | 4476 | 5161 | 5712 | 5679 | 5432 | 4926 | 4689 | 4689 | 4415 | 4481 | 4655 | 4883 |
| 130 Investor-Owned Utility | 13761 | 13651 | 12469 | 11563 | 12658 | 14010 | 14288 | 13513 | 12592 | 11753 | 11753 | 11498 | 13176 | 14223 | 12954 |
| 131 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 132 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 133 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 Exports | 1222 | 1389 | 1230 | 944 | 1132 | 984 | 763 | 929 | 984 | 1369 | 1239 | 1284 | 1335 | 1454 | 1138 |
| 135 Canada | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 136 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 137 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 138 Pacific Southwest | 628 | 819 | 761 | 478 | 662 | 518 | 301 | 464 | 517 | 893 | 766 | 810 | 862 | 957 | 658 |
| 139 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140 Total Regional Loads | 25132 | 25127 | 23218 | 21995 | 24652 | 26871 | 26876 | 25843 | 23889 | 23202 | 23072 | 22517 | 24408 | 26057 | 24546 |
| Regional Resources | | | | | | | | | | | | | | | |
| 141 Hydro Resources | 11759 | 10299 | 9644 | 9891 | 12627 | 13380 | 10767 | 10283 | 10714 | 10953 | 10174 | 16081 | 14908 | 12497 | 11876 |
| 142 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14095 | 12909 | 10945 | 10600 |
| 143 Independent Hydro - Net | 991 | 988 | 959 | 910 | 817 | 854 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1027 |
| 144 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 145 Other Resources | 16394 | 16987 | 16920 | 16607 | 17373 | 16390 | 15180 | 15669 | 14786 | 16670 | 14501 | 11890 | 13261 | 16288 | 15551 |
| 146 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2376 | 1828 | 2110 | 2221 | 2401 | 2300 |
| 147 Combustion Turbine Resources | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3446 | 4428 | 6099 | 5829 |
| 148 Large Thermal Resources | 6426 | 6426 | 6426 | 6426 | 6426 | 5800 | 5310 | 5310 | 5049 | 5194 | 4997 | 3678 | 4017 | 5204 | 5431 |
| 149 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2562 | 2548 | 1955 |
| 150 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 151 Imports | 627 | 626 | 565 | 587 | 775 | 875 | 712 | 711 | 614 | 511 | 511 | 557 | 701 | 688 | 660 |
| 152 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 153 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 154 Inland Southwest | 542 | 542 | 485 | 451 | 442 | 477 | 449 | 463 | 437 | 417 | 417 | 465 | 598 | 661 | 491 |

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|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 155 Pacific Southwest | 64.4 | 63.5 | 63.9 | 115 | 294 | 349 | 201 | 178 | 115 | 64.4 | 64.4 | 63.4 | 64.4 | 0 | 131 |
| 156 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 Reserves & Losses | -855 | -829 | -806 | -804 | -914 | -910 | -792 | -792 | -776 | -836 | -748 | -847 | -857 | -875 | -834 |
| 158 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 159 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162 Transmission Losses | -855 | -829 | -806 | -804 | -914 | -910 | -792 | -792 | -776 | -836 | -748 | -847 | -857 | -875 | -834 |
| 163 Total Regional Resources | 27925 | 27083 | 26324 | 26281 | 29862 | 29736 | 25867 | 25871 | 25338 | 27299 | 24438 | 27681 | 28014 | 28597 | 27253 |
| 164 Total Surplus/Deficit | 2793 | 1956 | 3105 | 4286 | 5210 | 2865 | -1008 | 28.9 | 1449 | 4097 | 1367 | 5164 | 3606 | 2540 | 2707 |

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|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 165 Retail Loads | 24010 | 24248 | 22255 | 21295 | 23777 | 26166 | 26394 | 25183 | 23160 | 22075 | 22075 | 21476 | 23361 | 24917 | 23679 |
| 166 Federal Agency | 140 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 167 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 168 Cooperative | 2164 | 2184 | 1941 | 1827 | 2110 | 2386 | 2336 | 2261 | 1984 | 1949 | 1949 | 2013 | 2123 | 2310 | 2118 |
| 169 Municipality | 2477 | 2508 | 2415 | 2562 | 3027 | 3198 | 3239 | 3135 | 2798 | 2662 | 2662 | 2455 | 2429 | 2488 | 2740 |
| 170 Public Utility District | 4637 | 4675 | 4424 | 4517 | 5206 | 5761 | 5725 | 5473 | 4963 | 4725 | 4725 | 4452 | 4519 | 4695 | 4924 |
| 171 Investor-Owned Utility | 13848 | 14003 | 12650 | 11722 | 12825 | 14194 | 14477 | 13693 | 12766 | 11914 | 11914 | 11661 | 13382 | 14453 | 13139 |
| 172 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 173 Direct-Service Industry | 421 | 422 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 174 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 Exports | 948 | 1185 | 1009 | 902 | 1084 | 934 | 711 | 879 | 943 | 1327 | 1197 | 1248 | 1239 | 1245 | 1044 |
| 176 Canada | 548 | 589 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 177 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 178 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 179 Pacific Southwest | 390 | 581 | 541 | 436 | 613 | 468 | 250 | 414 | 476 | 851 | 724 | 774 | 765 | 748 | 563 |
| 180 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 181 Total Regional Loads | 24959 | 25433 | 23264 | 22196 | 24860 | 27100 | 27106 | 26062 | 24103 | 23401 | 23271 | 22724 | 24599 | 26162 | 24723 |
| Regional Resources | | | | | | | | | | | | | | | |
| 182 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16080 | 14908 | 12497 | 11865 |
| 183 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10599 |
| 184 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |
| 185 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 186 Other Resources | 15277 | 15870 | 15767 | 15498 | 16257 | 15900 | 15065 | 15554 | 14971 | 14879 | 13078 | 12322 | 14402 | 15998 | 15104 |
| 187 Cogeneration Resources | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2009 | 1828 | 2037 | 2167 | 2400 | 2282 |
| 188 Combustion Turbine Resources | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3432 | 4428 | 6099 | 5828 |
| 189 Large Thermal Resources | 5310 | 5310 | 5310 | 5310 | 5310 | 5310 | 5196 | 5196 | 5115 | 3770 | 3574 | 4209 | 5211 | 4915 | 5005 |
| 190 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |
| 191 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 192 Imports | 569 | 569 | 504 | 476 | 664 | 764 | 601 | 600 | 502 | 449 | 449 | 497 | 643 | 694 | 580 |
| 193 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 194 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 Inland Southwest | 548 | 548 | 488 | 454 | 445 | 480 | 451 | 466 | 440 | 419 | 419 | 468 | 605 | 667 | 494 |

Loads and Resources - Pacific Northwest Region
Operating Year: 2022 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 196 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 197 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Reserves & Losses | -820 | -794 | -769 | -767 | -876 | -891 | -785 | -785 | -778 | -781 | -704 | -858 | -890 | -867 | -818 |
| 199 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 Transmission Losses | -820 | -794 | -769 | -767 | -876 | -891 | -785 | -785 | -778 | -781 | -704 | -858 | -890 | -867 | -818 |
| 204 Total Regional Resources | 26785 | 25944 | 25137 | 25064 | 28633 | 29109 | 25648 | 25651 | 25410 | 25502 | 22997 | 28040 | 29063 | 28323 | 26732 |
| 205 Total Surplus/Deficit | 1826 | 511 | 1873 | 2867 | 3772 | 2009 | -1458 | -410 | 1307 | 2100 | -274 | 5316 | 4464 | 2160 | 2009 |

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 206 Retail Loads | 24429 | 24452 | 22518 | 21534 | 24030 | 26438 | 26680 | 25459 | 23421 | 22403 | 22240 | 21727 | 23652 | 25237 | 23952 |
| 207 Federal Agency | 141 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 154 | 141 | 140 | 132 | 129 | 139 | 150 |
| 208 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 209 Cooperative | 2212 | 2212 | 1978 | 1863 | 2148 | 2424 | 2374 | 2299 | 2021 | 1992 | 1978 | 2049 | 2160 | 2348 | 2155 |
| 210 Municipality | 2499 | 2501 | 2422 | 2569 | 3035 | 3206 | 3249 | 3144 | 2806 | 2684 | 2656 | 2463 | 2437 | 2496 | 2748 |
| 211 Public Utility District | 4695 | 4697 | 4462 | 4555 | 5247 | 5805 | 5774 | 5524 | 5006 | 4784 | 4751 | 4493 | 4560 | 4737 | 4967 |
| 212 Investor-Owned Utility | 14142 | 14160 | 12832 | 11880 | 12992 | 14377 | 14667 | 13872 | 12938 | 12121 | 12029 | 11827 | 13589 | 14685 | 13324 |
| 213 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 214 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 421 | 421 | 421 | 421 | 421 |
| 215 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 216 Exports | 967 | 1167 | 1009 | 902 | 1084 | 899 | 692 | 848 | 906 | 1280 | 1124 | 1190 | 1181 | 1189 | 1015 |
| 217 Canada | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 472 | 436 | 454 | 454 | 478 | 466 |
| 218 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 219 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 220 Pacific Southwest | 390 | 581 | 541 | 436 | 613 | 432 | 231 | 382 | 440 | 786 | 670 | 716 | 708 | 692 | 534 |
| 221 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 222 Total Regional Loads | 25396 | 25620 | 23527 | 22435 | 25113 | 27337 | 27372 | 26307 | 24327 | 23683 | 23364 | 22916 | 24834 | 26426 | 24966 |
| Regional Resources | | | | | | | | | | | | | | | |
| 223 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16079 | 14908 | 12497 | 11865 |
| 224 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |
| 225 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |
| 226 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 227 Other Resources | 14883 | 15476 | 15359 | 15044 | 15772 | 15453 | 14734 | 15221 | 14316 | 15449 | 13326 | 11444 | 13061 | 15809 | 14645 |
| 228 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2385 | 1831 | 2093 | 2241 | 2368 | 2295 |
| 229 Combustion Turbine Resources | 6097 | 6104 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5787 |
| 230 Large Thermal Resources | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4630 | 4016 | 3819 | 3284 | 3830 | 4809 | 4572 |
| 231 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |
| 232 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 233 Imports | 575 | 574 | 507 | 479 | 667 | 767 | 603 | 602 | 505 | 452 | 452 | 500 | 649 | 702 | 584 |
| 234 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 235 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 236 Inland Southwest | 554 | 554 | 491 | 457 | 447 | 483 | 453 | 468 | 443 | 422 | 422 | 471 | 611 | 674 | 498 |

Loads and Resources - Pacific Northwest Region
Operating Year: 2023 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 237 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 238 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 239 Reserves & Losses | -808 | -783 | -757 | -754 | -862 | -878 | -775 | -775 | -758 | -798 | -711 | -832 | -850 | -862 | -805 |
| 240 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 241 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 242 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 243 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 244 Transmission Losses | -808 | -783 | -757 | -754 | -862 | -878 | -775 | -775 | -758 | -798 | -711 | -832 | -850 | -862 | -805 |
| 245 Total Regional Resources | 26408 | 25567 | 24743 | 24627 | 28164 | 28678 | 25329 | 25331 | 24777 | 26058 | 23241 | 27191 | 27768 | 28146 | 26289 |
| 246 Total Surplus/Deficit | 1012 | -52.8 | 1216 | 2191 | 3051 | 1341 | -2043 | -977 | 450 | 2374 | -123 | 4275 | 2935 | 1720 | 1323 |

Loads and Resources - Pacific Northwest Region

Operating Year: 2024 Water Year: 1937

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 247 Retail Loads | 24735 | 24759 | 22776 | 21772 | 24283 | 26714 | 26961 | 25600 | 23678 | 22562 | 22562 | 21968 | 23942 | 25552 | 24214 |
| 248 Federal Agency | 140 | 140 | 134 | 134 | 162 | 181 | 180 | 176 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 249 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 250 Cooperative | 2249 | 2250 | 2014 | 1899 | 2185 | 2462 | 2412 | 2305 | 2057 | 2022 | 2022 | 2086 | 2197 | 2386 | 2190 |
| 251 Municipality | 2507 | 2509 | 2429 | 2576 | 3044 | 3215 | 3256 | 3141 | 2814 | 2677 | 2677 | 2469 | 2444 | 2503 | 2756 |
| 252 Public Utility District | 4730 | 4733 | 4496 | 4591 | 5286 | 5846 | 5815 | 5487 | 5043 | 4803 | 4803 | 4527 | 4595 | 4773 | 4999 |
| 253 Investor-Owned Utility | 14367 | 14386 | 13011 | 12038 | 13160 | 14563 | 14860 | 14050 | 13114 | 12235 | 12235 | 11990 | 13799 | 14918 | 13512 |
| 254 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 255 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 256 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 257 Exports | 938 | 1124 | 952 | 856 | 1018 | 884 | 685 | 835 | 892 | 1236 | 1120 | 1166 | 1158 | 1166 | 985 |
| 258 Canada | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 259 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 260 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 261 Pacific Southwest | 361 | 538 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 504 |
| 262 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 Total Regional Loads | 25673 | 25883 | 23728 | 22628 | 25301 | 27599 | 27645 | 26435 | 24570 | 23797 | 23681 | 23134 | 25100 | 26718 | 25199 |
| Regional Resources | | | | | | | | | | | | | | | |
| 264 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16080 | 14908 | 12497 | 11861 |
| 265 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10596 |
| 266 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1016 |
| 267 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 268 Other Resources | 14832 | 15425 | 15359 | 15044 | 15810 | 15453 | 14732 | 15221 | 14573 | 16171 | 14054 | 12036 | 14115 | 15948 | 14874 |
| 269 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2379 | 1831 | 2108 | 2221 | 2401 | 2301 |
| 270 Combustion Turbine Resources | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3459 | 4364 | 6049 | 5785 |
| 271 Large Thermal Resources | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4888 | 4744 | 4547 | 3813 | 4930 | 4915 | 4799 |
| 272 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2566 | 2548 | 1954 |
| 273 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 274 Imports | 580 | 580 | 510 | 482 | 669 | 770 | 605 | 605 | 508 | 455 | 455 | 503 | 656 | 708 | 588 |
| 275 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 276 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 277 Inland Southwest | 560 | 559 | 494 | 460 | 449 | 485 | 456 | 471 | 445 | 425 | 425 | 474 | 617 | 681 | 502 |

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Operating Year: 2024 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 278 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 279 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 280 Reserves & Losses | -807 | -781 | -757 | -754 | -863 | -878 | -775 | -775 | -766 | -819 | -733 | -850 | -881 | -866 | -811 |
| 281 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 282 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 283 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 284 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 285 Transmission Losses | -807 | -781 | -757 | -754 | -863 | -878 | -775 | -775 | -766 | -819 | -733 | -850 | -881 | -866 | -811 |
| 286 Total Regional Resources | 26365 | 25524 | 24746 | 24629 | 28203 | 28680 | 25329 | 25334 | 25029 | 26760 | 23950 | 27769 | 28797 | 28288 | 26511 |
| 287 Total Surplus/Deficit | 692 | -359 | 1018 | 2002 | 2902 | 1082 | -2316 | -1101 | 459 | 2963 | 269 | 4636 | 3697 | 1570 | 1312 |

Loads and Resources - Pacific Northwest Region

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|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 288 Retail Loads | 25045 | 25069 | 23037 | 22012 | 24538 | 26991 | 27239 | 25987 | 23927 | 22799 | 22799 | 22207 | 24231 | 25865 | 24488 |
| 289 Federal Agency | 141 | 141 | 134 | 136 | 164 | 183 | 182 | 182 | 157 | 143 | 143 | 134 | 131 | 142 | 152 |
| 290 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 291 Cooperative | 2287 | 2287 | 2051 | 1935 | 2222 | 2500 | 2450 | 2375 | 2094 | 2058 | 2058 | 2122 | 2233 | 2423 | 2229 |
| 292 Municipality | 2514 | 2517 | 2437 | 2583 | 3052 | 3223 | 3265 | 3161 | 2821 | 2685 | 2685 | 2476 | 2452 | 2511 | 2763 |
| 293 Public Utility District | 4764 | 4767 | 4529 | 4624 | 5323 | 5885 | 5851 | 5595 | 5076 | 4834 | 4834 | 4557 | 4626 | 4805 | 5037 |
| 294 Investor-Owned Utility | 14597 | 14616 | 13195 | 12200 | 13331 | 14753 | 15054 | 14233 | 13285 | 12395 | 12395 | 12154 | 14012 | 15153 | 13698 |
| 295 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 296 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 297 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 298 Exports | 926 | 1106 | 952 | 856 | 1018 | 884 | 685 | 835 | 892 | 1236 | 1120 | 1166 | 1158 | 1166 | 984 |
| 299 Canada | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 300 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 301 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 302 Pacific Southwest | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| 303 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 304 Total Regional Loads | 25971 | 26175 | 23989 | 22868 | 25556 | 27875 | 27924 | 26822 | 24819 | 24034 | 23918 | 23372 | 25389 | 27031 | 25472 |
| Regional Resources | | | | | | | | | | | | | | | |
| 305 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16079 | 14908 | 12497 | 11865 |
| 306 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |
| 307 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |
| 308 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 309 Other Resources | 14832 | 15425 | 15321 | 15050 | 15809 | 15452 | 14731 | 15220 | 14473 | 15136 | 13387 | 11188 | 12986 | 15841 | 14618 |
| 310 Cogeneration Resources | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2009 | 1828 | 2040 | 2167 | 2400 | 2282 |
| 311 Combustion Turbine Resources | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3437 | 4394 | 6049 | 5784 |
| 312 Large Thermal Resources | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4670 | 4079 | 3882 | 3055 | 3830 | 4809 | 4561 |
| 313 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2562 | 2548 | 1955 |
| 314 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 315 Imports | 586 | 586 | 514 | 484 | 671 | 773 | 608 | 608 | 511 | 458 | 458 | 506 | 663 | 715 | 591 |
| 316 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 317 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 318 Inland Southwest | 565 | 565 | 498 | 462 | 452 | 488 | 458 | 473 | 448 | 428 | 428 | 477 | 624 | 688 | 506 |

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Operating Year: 2025 Water Year: 1937
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|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 319 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 320 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 Reserves & Losses | -807 | -781 | -756 | -754 | -863 | -878 | -775 | -775 | -763 | -788 | -713 | -825 | -848 | -863 | -804 |
| 322 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 323 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 324 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 325 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 326 Transmission Losses | -807 | -781 | -756 | -754 | -863 | -878 | -775 | -775 | -763 | -788 | -713 | -825 | -848 | -863 | -804 |
| 327 Total Regional Resources | 26369 | 25528 | 24713 | 24638 | 28205 | 28682 | 25331 | 25335 | 24935 | 25759 | 23305 | 26948 | 27709 | 28190 | 26271 |
| 328 Total Surplus/Deficit | 398 | -647 | 724 | 1770 | 2649 | 807 | -2593 | -1487 | 116 | 1725 | -614 | 3576 | 2320 | 1159 | 798 |

Loads and Resources - Pacific Northwest Region

Operating Year: 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 329 Retail Loads | 25459 | 25276 | 23295 | 22250 | 24793 | 27266 | 27523 | 26253 | 24183 | 23041 | 23041 | 22451 | 24524 | 26184 | 24758 |
| 330 Federal Agency | 143 | 142 | 136 | 137 | 165 | 184 | 183 | 183 | 158 | 144 | 144 | 135 | 132 | 143 | 153 |
| 331 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 332 Cooperative | 2332 | 2315 | 2086 | 1970 | 2258 | 2536 | 2486 | 2411 | 2128 | 2093 | 2093 | 2156 | 2268 | 2459 | 2264 |
| 333 Municipality | 2534 | 2512 | 2444 | 2591 | 3059 | 3232 | 3273 | 3169 | 2828 | 2692 | 2692 | 2483 | 2459 | 2518 | 2770 |
| 334 Public Utility District | 4812 | 4784 | 4560 | 4657 | 5358 | 5923 | 5889 | 5632 | 5110 | 4867 | 4867 | 4589 | 4659 | 4839 | 5071 |
| 335 Investor-Owned Utility | 14899 | 14779 | 13377 | 12363 | 13506 | 14945 | 15255 | 14417 | 13465 | 12563 | 12563 | 12324 | 14229 | 15395 | 13890 |
| 336 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 337 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 338 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 339 Exports | 944 | 1090 | 952 | 856 | 1018 | 884 | 685 | 835 | 892 | 1236 | 1120 | 1166 | 1158 | 1166 | 984 |
| 340 Canada | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 341 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 342 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 343 Pacific Southwest | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| 344 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 345 Total Regional Loads | 26402 | 26366 | 24246 | 23106 | 25811 | 28150 | 28207 | 27088 | 25075 | 24277 | 24161 | 23617 | 25682 | 27350 | 25742 |
| Regional Resources | | | | | | | | | | | | | | | |
| 346 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16080 | 14908 | 12497 | 11865 |
| 347 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10599 |
| 348 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |
| 349 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 350 Other Resources | 14832 | 15425 | 15359 | 15044 | 15772 | 14827 | 13987 | 14474 | 13805 | 14691 | 12568 | 11221 | 13414 | 15169 | 14316 |
| 351 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2382 | 1828 | 2090 | 2241 | 2368 | 2295 |
| 352 Combustion Turbine Resources | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5783 |
| 353 Large Thermal Resources | 4915 | 4915 | 4915 | 4915 | 4915 | 4289 | 4168 | 4168 | 4119 | 3260 | 3064 | 3064 | 4184 | 4168 | 4249 |
| 354 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |
| 355 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 356 Imports | 592 | 592 | 517 | 488 | 674 | 775 | 610 | 610 | 514 | 461 | 461 | 509 | 669 | 722 | 595 |
| 357 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 358 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 359 Inland Southwest | 571 | 571 | 501 | 466 | 454 | 491 | 461 | 476 | 451 | 430 | 430 | 480 | 631 | 695 | 509 |

Loads and Resources - Pacific Northwest Region
Operating Year: 2026 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 360 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 361 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 362 Reserves & Losses | -807 | -782 | -758 | -754 | -862 | -859 | -753 | -753 | -743 | -775 | -689 | -826 | -861 | -843 | -795 |
| 363 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 364 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 365 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 366 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 367 Transmission Losses | -807 | -782 | -758 | -754 | -862 | -859 | -753 | -753 | -743 | -775 | -689 | -826 | -861 | -843 | -795 |
| 368 Total Regional Resources | 26376 | 25535 | 24753 | 24635 | 28171 | 28078 | 24612 | 24614 | 24289 | 25329 | 22513 | 26985 | 28130 | 27546 | 25982 |
| 369 Total Surplus/Deficit | -26.6 | -831 | 506 | 1529 | 2360 | -72.1 | -3596 | -2475 | -786 | 1053 | -1648 | 3368 | 2449 | 196 | 240 |

Loads and Resources - Pacific Northwest Region

Operating Year: 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Regional Loads | | | | | | | | | | | | | | | |
| 370 Retail Loads | 25775 | 25590 | 23559 | 22482 | 25046 | 27478 | 27745 | 26484 | 24367 | 23233 | 23233 | 22647 | 24780 | 26459 | 24994 |
| 371 Federal Agency | 144 | 143 | 137 | 137 | 166 | 185 | 184 | 184 | 159 | 145 | 145 | 136 | 133 | 143 | 154 |
| 372 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 373 Cooperative | 2368 | 2351 | 2121 | 2004 | 2293 | 2572 | 2498 | 2423 | 2139 | 2103 | 2103 | 2167 | 2279 | 2471 | 2285 |
| 374 Municipality | 2542 | 2519 | 2451 | 2572 | 3037 | 3209 | 3250 | 3147 | 2808 | 2673 | 2673 | 2466 | 2443 | 2502 | 2755 |
| 375 Public Utility District | 4844 | 4816 | 4592 | 4705 | 5421 | 5926 | 5917 | 5686 | 5119 | 4896 | 4896 | 4619 | 4698 | 4870 | 5104 |
| 376 Investor-Owned Utility | 15139 | 15017 | 13567 | 12529 | 13682 | 15140 | 15459 | 14602 | 13648 | 12733 | 12733 | 12496 | 14450 | 15641 | 14086 |
| 377 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 378 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 379 Federal Diversity | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 380 Exports | 944 | 1090 | 952 | 856 | 1018 | 884 | 685 | 835 | 892 | 1236 | 1120 | 1166 | 1158 | 1166 | 984 |
| 381 Canada | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 382 East Continental Divide | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 383 Inland Southwest | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 384 Pacific Southwest | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| 385 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 386 Total Regional Loads | 26718 | 26679 | 24511 | 23337 | 26064 | 28362 | 28430 | 27318 | 25259 | 24469 | 24353 | 23813 | 25937 | 27625 | 25978 |
| Regional Resources | | | | | | | | | | | | | | | |
| 387 Hydro Resources | 11759 | 10299 | 9635 | 9858 | 12588 | 13336 | 10767 | 10283 | 10714 | 10953 | 10174 | 16079 | 14908 | 12497 | 11865 |
| 388 Regulated Hydro - Net | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |
| 389 Independent Hydro - Net | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |
| 390 Small Hydro - Net | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |
| 391 Other Resources | 14086 | 14679 | 14612 | 14297 | 15063 | 14706 | 13985 | 14475 | 13674 | 15476 | 13359 | 11126 | 12293 | 15095 | 14007 |
| 392 Cogeneration Resources | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2376 | 1828 | 2110 | 2221 | 2401 | 2300 |
| 393 Combustion Turbine Resources | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5783 |
| 394 Large Thermal Resources | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 3989 | 4052 | 3855 | 2950 | 3084 | 4062 | 3934 |
| 395 Renewable Resources | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |
| 396 Small Thermal & Miscellaneous | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |
| 397 Imports | 598 | 598 | 520 | 490 | 676 | 778 | 613 | 613 | 517 | 464 | 464 | 512 | 676 | 729 | 599 |
| 398 Canada | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| 399 East of Continental Divide | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 400 Inland Southwest | 577 | 577 | 504 | 468 | 457 | 494 | 463 | 479 | 454 | 433 | 433 | 483 | 637 | 702 | 513 |

Loads and Resources - Pacific Northwest Region
Operating Year: 2027 Water Year: 1937
2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 401 Pacific Southwest | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 402 Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 403 Reserves & Losses | -785 | -760 | -736 | -732 | -841 | -856 | -753 | -753 | -740 | -799 | -713 | -823 | -828 | -841 | -786 |
| 404 Contingency Reserves (Non-Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 405 Contingency Reserves (Spinning) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 406 Generation Imbalance Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 407 Load Following Reserves | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 408 Transmission Losses | -785 | -760 | -736 | -732 | -841 | -856 | -753 | -753 | -740 | -799 | -713 | -823 | -828 | -841 | -786 |
| 409 Total Regional Resources | 25657 | 24816 | 24032 | 23914 | 27486 | 27964 | 24612 | 24616 | 24165 | 26094 | 23284 | 26895 | 27050 | 27480 | 25685 |
| 410 Total Surplus/Deficit | -1061 | -1863 | -480 | 576 | 1422 | -398 | -3818 | -2702 | -1094 | 1625 | -1069 | 3082 | 1112 | -145 | -293 |

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Exhibit 21
Regional Total Retail Loads

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Total Retail Loads
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 112 | 112 | 106 | 108 | 134 | 153 | 152 | 149 | 128 | 114 | 114 | 106 | 103 | 113 | 123 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2031 | 2031 | 1800 | 1687 | 1968 | 2240 | 2191 | 2114 | 1843 | 1799 | 1813 | 1869 | 1977 | 2161 | 1974 |
| 4 Municipality | 2391 | 2394 | 2316 | 2495 | 2956 | 3126 | 3171 | 3065 | 2734 | 2584 | 2611 | 2394 | 2367 | 2425 | 2668 |
| 5 Public Utility District | 4468 | 4471 | 4227 | 4366 | 5034 | 5576 | 5558 | 5294 | 4768 | 4541 | 4572 | 4310 | 4383 | 4567 | 4757 |
| 6 Investor-Owned Utility | 13025 | 13042 | 11928 | 11094 | 12163 | 13456 | 13722 | 12978 | 12083 | 11234 | 11319 | 11021 | 12569 | 13554 | 12406 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 421 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 22768 | 22790 | 21068 | 20283 | 22701 | 24998 | 25231 | 24042 | 22051 | 20956 | 21111 | 20462 | 22175 | 23651 | 22536 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.0 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.6 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.0 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.6 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 112 | 112 | 106 | 108 | 134 | 153 | 152 | 149 | 128 | 114 | 114 | 106 | 103 | 113 | 123 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2031 | 2031 | 1800 | 1687 | 1968 | 2240 | 2191 | 2114 | 1843 | 1799 | 1813 | 1869 | 1977 | 2161 | 1974 |
| 15 Municipality | 2391 | 2394 | 2316 | 2495 | 2956 | 3126 | 3171 | 3065 | 2734 | 2584 | 2611 | 2394 | 2367 | 2425 | 2668 |
| 16 Public Utility District | 4468 | 4471 | 4241 | 4366 | 5034 | 5576 | 5562 | 5317 | 4823 | 4575 | 4606 | 4310 | 4383 | 4567 | 4768 |
| 17 Investor-Owned Utility | 13025 | 13042 | 11928 | 11094 | 12163 | 13456 | 13722 | 12978 | 12083 | 11234 | 11319 | 11021 | 12569 | 13554 | 12406 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 421 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 22768 | 22790 | 21082 | 20283 | 22701 | 24998 | 25235 | 24065 | 22105 | 20990 | 21145 | 20462 | 22175 | 23651 | 22547 |

Regional: Total Retail Loads
Operating Year 2019
2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 114 | 114 | 107 | 122 | 148 | 167 | 166 | 164 | 142 | 128 | 128 | 120 | 117 | 127 | 135 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2064 | 2064 | 1833 | 1721 | 2003 | 2276 | 2226 | 2150 | 1877 | 1841 | 1841 | 1905 | 2014 | 2199 | 2009 |
| 4 Municipality | 2436 | 2438 | 2359 | 2513 | 2976 | 3146 | 3187 | 3081 | 2748 | 2611 | 2611 | 2406 | 2379 | 2437 | 2688 |
| 5 Public Utility District | 4567 | 4570 | 4331 | 4381 | 5056 | 5603 | 5575 | 5311 | 4778 | 4564 | 4564 | 4316 | 4390 | 4561 | 4784 |
| 6 Investor-Owned Utility | 13258 | 13275 | 12116 | 11248 | 12327 | 13637 | 13907 | 13153 | 12250 | 11433 | 11433 | 11177 | 12769 | 13774 | 12588 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 23180 | 23203 | 21438 | 20519 | 22957 | 25275 | 25499 | 24300 | 22289 | 21260 | 21260 | 20687 | 22446 | 23929 | 22812 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.0 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.6 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.0 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.6 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 114 | 114 | 107 | 122 | 148 | 167 | 166 | 164 | 142 | 128 | 128 | 120 | 117 | 127 | 135 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2064 | 2064 | 1833 | 1721 | 2003 | 2276 | 2226 | 2150 | 1877 | 1841 | 1841 | 1905 | 2014 | 2199 | 2009 |
| 15 Municipality | 2436 | 2438 | 2359 | 2513 | 2976 | 3146 | 3187 | 3081 | 2748 | 2611 | 2611 | 2406 | 2379 | 2437 | 2688 |
| 16 Public Utility District | 4567 | 4570 | 4345 | 4381 | 5056 | 5603 | 5579 | 5334 | 4832 | 4597 | 4597 | 4316 | 4390 | 4561 | 4795 |
| 17 Investor-Owned Utility | 13258 | 13275 | 12116 | 11248 | 12327 | 13637 | 13907 | 13153 | 12250 | 11433 | 11433 | 11177 | 12769 | 13774 | 12588 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 23180 | 23203 | 21452 | 20519 | 22957 | 25275 | 25502 | 24323 | 22344 | 21294 | 21294 | 20687 | 22446 | 23929 | 22823 |

Regional: Total Retail Loads

Operating Year 2020

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 128 | 128 | 122 | 133 | 159 | 178 | 177 | 173 | 153 | 140 | 140 | 131 | 128 | 138 | 147 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 3 Cooperative | 2101 | 2102 | 1869 | 1757 | 2039 | 2313 | 2263 | 2156 | 1913 | 1877 | 1877 | 1941 | 2050 | 2236 | 2043 |
| 4 Municipality | 2448 | 2450 | 2371 | 2522 | 2986 | 3156 | 3223 | 3107 | 2783 | 2647 | 2647 | 2441 | 2415 | 2473 | 2713 |
| 5 Public Utility District | 4560 | 4563 | 4318 | 4424 | 5104 | 5655 | 5632 | 5291 | 4829 | 4614 | 4614 | 4375 | 4440 | 4613 | 4821 |
| 6 Investor-Owned Utility | 13476 | 13493 | 12290 | 11404 | 12490 | 13825 | 14096 | 13334 | 12420 | 11592 | 11592 | 11336 | 12972 | 13998 | 12772 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 23454 | 23477 | 21662 | 20772 | 23225 | 25573 | 25828 | 24503 | 22592 | 21553 | 21553 | 20987 | 22782 | 24288 | 23104 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 128 | 128 | 122 | 133 | 159 | 178 | 177 | 173 | 153 | 140 | 140 | 131 | 128 | 138 | 147 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 14 Cooperative | 2101 | 2102 | 1869 | 1757 | 2039 | 2313 | 2263 | 2156 | 1913 | 1877 | 1877 | 1941 | 2050 | 2236 | 2043 |
| 15 Municipality | 2448 | 2450 | 2371 | 2522 | 2986 | 3156 | 3223 | 3107 | 2783 | 2647 | 2647 | 2441 | 2415 | 2473 | 2713 |
| 16 Public Utility District | 4560 | 4563 | 4332 | 4424 | 5104 | 5655 | 5635 | 5314 | 4883 | 4648 | 4648 | 4375 | 4440 | 4613 | 4832 |
| 17 Investor-Owned Utility | 13476 | 13493 | 12290 | 11404 | 12490 | 13825 | 14096 | 13334 | 12420 | 11592 | 11592 | 11336 | 12972 | 13998 | 12772 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 23454 | 23477 | 21676 | 20772 | 23225 | 25573 | 25831 | 24527 | 22646 | 21587 | 21587 | 20987 | 22782 | 24288 | 23114 |

Regional: Total Retail Loads

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 139 | 138 | 133 | 134 | 161 | 179 | 179 | 178 | 154 | 141 | 141 | 132 | 129 | 139 | 150 |
| 2 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2146 | 2130 | 1905 | 1791 | 2074 | 2348 | 2299 | 2223 | 1948 | 1912 | 1912 | 1976 | 2086 | 2273 | 2081 |
| 4 Municipality | 2497 | 2475 | 2407 | 2554 | 3019 | 3190 | 3231 | 3126 | 2791 | 2654 | 2654 | 2448 | 2422 | 2481 | 2732 |
| 5 Public Utility District | 4628 | 4601 | 4369 | 4476 | 5161 | 5712 | 5676 | 5408 | 4871 | 4655 | 4655 | 4415 | 4481 | 4655 | 4872 |
| 6 Investor-Owned Utility | 13761 | 13651 | 12469 | 11563 | 12658 | 14010 | 14288 | 13513 | 12592 | 11753 | 11753 | 11498 | 13176 | 14223 | 12954 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 23910 | 23738 | 21974 | 21051 | 23520 | 25886 | 26109 | 24889 | 22851 | 21799 | 21799 | 21233 | 23072 | 24602 | 23397 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 139 | 138 | 133 | 134 | 161 | 179 | 179 | 178 | 154 | 141 | 141 | 132 | 129 | 139 | 150 |
| 13 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2146 | 2130 | 1905 | 1791 | 2074 | 2348 | 2299 | 2223 | 1948 | 1912 | 1912 | 1976 | 2086 | 2273 | 2081 |
| 15 Municipality | 2497 | 2475 | 2407 | 2554 | 3019 | 3190 | 3231 | 3126 | 2791 | 2654 | 2654 | 2448 | 2422 | 2481 | 2732 |
| 16 Public Utility District | 4628 | 4601 | 4383 | 4476 | 5161 | 5712 | 5679 | 5432 | 4926 | 4689 | 4689 | 4415 | 4481 | 4655 | 4883 |
| 17 Investor-Owned Utility | 13761 | 13651 | 12469 | 11563 | 12658 | 14010 | 14288 | 13513 | 12592 | 11753 | 11753 | 11498 | 13176 | 14223 | 12954 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 23910 | 23738 | 21989 | 21051 | 23520 | 25886 | 26113 | 24913 | 22905 | 21833 | 21833 | 21233 | 23072 | 24602 | 23408 |

Regional: Total Retail Loads

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 140 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 2 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2164 | 2184 | 1941 | 1827 | 2110 | 2386 | 2336 | 2261 | 1984 | 1949 | 1949 | 2013 | 2123 | 2310 | 2118 |
| 4 Municipality | 2477 | 2508 | 2415 | 2562 | 3027 | 3198 | 3239 | 3135 | 2798 | 2662 | 2662 | 2455 | 2429 | 2488 | 2740 |
| 5 Public Utility District | 4637 | 4675 | 4410 | 4517 | 5206 | 5761 | 5722 | 5449 | 4909 | 4692 | 4692 | 4452 | 4519 | 4695 | 4914 |
| 6 Investor-Owned Utility | 13848 | 14003 | 12650 | 11722 | 12825 | 14194 | 14477 | 13693 | 12766 | 11914 | 11914 | 11661 | 13382 | 14453 | 13139 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 422 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 24010 | 24248 | 22241 | 21295 | 23777 | 26166 | 26391 | 25159 | 23106 | 22041 | 22041 | 21476 | 23361 | 24917 | 23669 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 140 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 13 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2164 | 2184 | 1941 | 1827 | 2110 | 2386 | 2336 | 2261 | 1984 | 1949 | 1949 | 2013 | 2123 | 2310 | 2118 |
| 15 Municipality | 2477 | 2508 | 2415 | 2562 | 3027 | 3198 | 3239 | 3135 | 2798 | 2662 | 2662 | 2455 | 2429 | 2488 | 2740 |
| 16 Public Utility District | 4637 | 4675 | 4424 | 4517 | 5206 | 5761 | 5725 | 5473 | 4963 | 4725 | 4725 | 4452 | 4519 | 4695 | 4924 |
| 17 Investor-Owned Utility | 13848 | 14003 | 12650 | 11722 | 12825 | 14194 | 14477 | 13693 | 12766 | 11914 | 11914 | 11661 | 13382 | 14453 | 13139 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 422 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 24010 | 24248 | 22255 | 21295 | 23777 | 26166 | 26394 | 25183 | 23160 | 22075 | 22075 | 21476 | 23361 | 24917 | 23679 |

Regional: Total Retail Loads
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 141 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 154 | 141 | 140 | 132 | 129 | 139 | 150 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2212 | 2212 | 1978 | 1863 | 2148 | 2424 | 2374 | 2299 | 2021 | 1992 | 1978 | 2049 | 2160 | 2348 | 2155 |
| 4 Municipality | 2499 | 2501 | 2422 | 2569 | 3035 | 3206 | 3249 | 3144 | 2806 | 2684 | 2656 | 2463 | 2437 | 2496 | 2748 |
| 5 Public Utility District | 4695 | 4697 | 4447 | 4555 | 5247 | 5805 | 5770 | 5501 | 4952 | 4750 | 4717 | 4493 | 4560 | 4737 | 4956 |
| 6 Investor-Owned Utility | 14142 | 14160 | 12832 | 11880 | 12992 | 14377 | 14667 | 13872 | 12938 | 12121 | 12029 | 11827 | 13589 | 14685 | 13324 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 421 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 24429 | 24452 | 22504 | 21534 | 24030 | 26438 | 26676 | 25436 | 23366 | 22369 | 22206 | 21727 | 23652 | 25237 | 23941 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.9 | 33.7 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.9 | 33.7 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 141 | 141 | 134 | 134 | 161 | 180 | 179 | 179 | 154 | 141 | 140 | 132 | 129 | 139 | 150 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2212 | 2212 | 1978 | 1863 | 2148 | 2424 | 2374 | 2299 | 2021 | 1992 | 1978 | 2049 | 2160 | 2348 | 2155 |
| 15 Municipality | 2499 | 2501 | 2422 | 2569 | 3035 | 3206 | 3249 | 3144 | 2806 | 2684 | 2656 | 2463 | 2437 | 2496 | 2748 |
| 16 Public Utility District | 4695 | 4697 | 4462 | 4555 | 5247 | 5805 | 5774 | 5524 | 5006 | 4784 | 4751 | 4493 | 4560 | 4737 | 4967 |
| 17 Investor-Owned Utility | 14142 | 14160 | 12832 | 11880 | 12992 | 14377 | 14667 | 13872 | 12938 | 12121 | 12029 | 11827 | 13589 | 14685 | 13324 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 421 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 24429 | 24452 | 22518 | 21534 | 24030 | 26438 | 26680 | 25459 | 23421 | 22403 | 22240 | 21727 | 23652 | 25237 | 23952 |

Regional: Total Retail Loads

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 140 | 140 | 134 | 134 | 162 | 181 | 180 | 176 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 3 Cooperative | 2249 | 2250 | 2014 | 1899 | 2185 | 2462 | 2412 | 2305 | 2057 | 2022 | 2022 | 2086 | 2197 | 2386 | 2190 |
| 4 Municipality | 2507 | 2509 | 2429 | 2576 | 3044 | 3215 | 3256 | 3141 | 2814 | 2677 | 2677 | 2469 | 2444 | 2503 | 2756 |
| 5 Public Utility District | 4730 | 4733 | 4482 | 4591 | 5286 | 5846 | 5812 | 5463 | 4989 | 4769 | 4769 | 4527 | 4595 | 4773 | 4988 |
| 6 Investor-Owned Utility | 14367 | 14386 | 13011 | 12038 | 13160 | 14563 | 14860 | 14050 | 13114 | 12235 | 12235 | 11990 | 13799 | 14918 | 13512 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 24735 | 24759 | 22762 | 21772 | 24283 | 26714 | 26957 | 25576 | 23624 | 22528 | 22528 | 21968 | 23942 | 25552 | 24204 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 140 | 140 | 134 | 134 | 162 | 181 | 180 | 176 | 155 | 141 | 141 | 132 | 129 | 140 | 150 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 14 Cooperative | 2249 | 2250 | 2014 | 1899 | 2185 | 2462 | 2412 | 2305 | 2057 | 2022 | 2022 | 2086 | 2197 | 2386 | 2190 |
| 15 Municipality | 2507 | 2509 | 2429 | 2576 | 3044 | 3215 | 3256 | 3141 | 2814 | 2677 | 2677 | 2469 | 2444 | 2503 | 2756 |
| 16 Public Utility District | 4730 | 4733 | 4496 | 4591 | 5286 | 5846 | 5815 | 5487 | 5043 | 4803 | 4803 | 4527 | 4595 | 4773 | 4999 |
| 17 Investor-Owned Utility | 14367 | 14386 | 13011 | 12038 | 13160 | 14563 | 14860 | 14050 | 13114 | 12235 | 12235 | 11990 | 13799 | 14918 | 13512 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 24735 | 24759 | 22776 | 21772 | 24283 | 26714 | 26961 | 25600 | 23678 | 22562 | 22562 | 21968 | 23942 | 25552 | 24214 |

Regional: Total Retail Loads
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 141 | 141 | 134 | 136 | 164 | 183 | 182 | 182 | 157 | 143 | 143 | 134 | 131 | 142 | 152 |
| 2 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2287 | 2287 | 2051 | 1935 | 2222 | 2500 | 2450 | 2375 | 2094 | 2058 | 2058 | 2122 | 2233 | 2423 | 2229 |
| 4 Municipality | 2514 | 2517 | 2437 | 2583 | 3052 | 3223 | 3265 | 3161 | 2821 | 2685 | 2685 | 2476 | 2452 | 2511 | 2763 |
| 5 Public Utility District | 4764 | 4767 | 4515 | 4624 | 5323 | 5885 | 5847 | 5572 | 5021 | 4800 | 4800 | 4557 | 4626 | 4805 | 5026 |
| 6 Investor-Owned Utility | 14597 | 14616 | 13195 | 12200 | 13331 | 14753 | 15054 | 14233 | 13285 | 12395 | 12395 | 12154 | 14012 | 15153 | 13698 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 25045 | 25069 | 23023 | 22012 | 24538 | 26991 | 27236 | 25963 | 23873 | 22765 | 22765 | 22207 | 24231 | 25865 | 24477 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 141 | 141 | 134 | 136 | 164 | 183 | 182 | 182 | 157 | 143 | 143 | 134 | 131 | 142 | 152 |
| 13 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2287 | 2287 | 2051 | 1935 | 2222 | 2500 | 2450 | 2375 | 2094 | 2058 | 2058 | 2122 | 2233 | 2423 | 2229 |
| 15 Municipality | 2514 | 2517 | 2437 | 2583 | 3052 | 3223 | 3265 | 3161 | 2821 | 2685 | 2685 | 2476 | 2452 | 2511 | 2763 |
| 16 Public Utility District | 4764 | 4767 | 4529 | 4624 | 5323 | 5885 | 5851 | 5595 | 5076 | 4834 | 4834 | 4557 | 4626 | 4805 | 5037 |
| 17 Investor-Owned Utility | 14597 | 14616 | 13195 | 12200 | 13331 | 14753 | 15054 | 14233 | 13285 | 12395 | 12395 | 12154 | 14012 | 15153 | 13698 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 421 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 25045 | 25069 | 23037 | 22012 | 24538 | 26991 | 27239 | 25987 | 23927 | 22799 | 22799 | 22207 | 24231 | 25865 | 24488 |

Regional: Total Retail Loads
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 143 | 142 | 136 | 137 | 165 | 184 | 183 | 183 | 158 | 144 | 144 | 135 | 132 | 143 | 153 |
| 2 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2332 | 2315 | 2086 | 1970 | 2258 | 2536 | 2486 | 2411 | 2128 | 2093 | 2093 | 2156 | 2268 | 2459 | 2264 |
| 4 Municipality | 2534 | 2512 | 2444 | 2591 | 3059 | 3232 | 3273 | 3169 | 2828 | 2692 | 2692 | 2483 | 2459 | 2518 | 2770 |
| 5 Public Utility District | 4812 | 4784 | 4546 | 4657 | 5358 | 5923 | 5885 | 5608 | 5055 | 4833 | 4833 | 4589 | 4659 | 4839 | 5060 |
| 6 Investor-Owned Utility | 14899 | 14779 | 13377 | 12363 | 13506 | 14945 | 15255 | 14417 | 13465 | 12563 | 12563 | 12324 | 14229 | 15395 | 13890 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 25459 | 25276 | 23280 | 22250 | 24793 | 27266 | 27519 | 26230 | 24129 | 23007 | 23007 | 22451 | 24524 | 26184 | 24747 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 143 | 142 | 136 | 137 | 165 | 184 | 183 | 183 | 158 | 144 | 144 | 135 | 132 | 143 | 153 |
| 13 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2332 | 2315 | 2086 | 1970 | 2258 | 2536 | 2486 | 2411 | 2128 | 2093 | 2093 | 2156 | 2268 | 2459 | 2264 |
| 15 Municipality | 2534 | 2512 | 2444 | 2591 | 3059 | 3232 | 3273 | 3169 | 2828 | 2692 | 2692 | 2483 | 2459 | 2518 | 2770 |
| 16 Public Utility District | 4812 | 4784 | 4560 | 4657 | 5358 | 5923 | 5889 | 5632 | 5110 | 4867 | 4867 | 4589 | 4659 | 4839 | 5071 |
| 17 Investor-Owned Utility | 14899 | 14779 | 13377 | 12363 | 13506 | 14945 | 15255 | 14417 | 13465 | 12563 | 12563 | 12324 | 14229 | 15395 | 13890 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 25459 | 25276 | 23295 | 22250 | 24793 | 27266 | 27523 | 26253 | 24183 | 23041 | 23041 | 22451 | 24524 | 26184 | 24758 |

Regional: Total Retail Loads

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | | |
| 1 Federal Agency | 144 | 143 | 137 | 137 | 166 | 185 | 184 | 184 | 159 | 145 | 145 | 136 | 133 | 143 | 154 |
| 2 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 3 Cooperative | 2368 | 2351 | 2121 | 2004 | 2293 | 2572 | 2498 | 2423 | 2139 | 2103 | 2103 | 2167 | 2279 | 2471 | 2285 |
| 4 Municipality | 2542 | 2519 | 2451 | 2572 | 3037 | 3209 | 3250 | 3147 | 2808 | 2673 | 2673 | 2466 | 2443 | 2502 | 2755 |
| 5 Public Utility District | 4844 | 4816 | 4578 | 4705 | 5421 | 5926 | 5914 | 5662 | 5065 | 4862 | 4862 | 4619 | 4698 | 4870 | 5093 |
| 6 Investor-Owned Utility | 15139 | 15017 | 13567 | 12529 | 13682 | 15140 | 15459 | 14602 | 13648 | 12733 | 12733 | 12496 | 14450 | 15641 | 14086 |
| 7 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 8 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 9 Total Firm Loads | 25775 | 25590 | 23545 | 22482 | 25046 | 27478 | 27742 | 26460 | 24313 | 23199 | 23199 | 22647 | 24780 | 26459 | 24983 |
| Non-Firm Loads | | | | | | | | | | | | | | | |
| 10 Public Utility District | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| 11 Total Non-Firm Loads | 0 | 0 | 14.3 | 0 | 0 | 0 | 3.50 | 23.8 | 54.4 | 33.8 | 33.8 | 0 | 0 | 0 | 10.7 |
| Total Regional Loads (Firm+Non-Firm) | | | | | | | | | | | | | | | |
| 12 Federal Agency | 144 | 143 | 137 | 137 | 166 | 185 | 184 | 184 | 159 | 145 | 145 | 136 | 133 | 143 | 154 |
| 13 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 14 Cooperative | 2368 | 2351 | 2121 | 2004 | 2293 | 2572 | 2498 | 2423 | 2139 | 2103 | 2103 | 2167 | 2279 | 2471 | 2285 |
| 15 Municipality | 2542 | 2519 | 2451 | 2572 | 3037 | 3209 | 3250 | 3147 | 2808 | 2673 | 2673 | 2466 | 2443 | 2502 | 2755 |
| 16 Public Utility District | 4844 | 4816 | 4592 | 4705 | 5421 | 5926 | 5917 | 5686 | 5119 | 4896 | 4896 | 4619 | 4698 | 4870 | 5104 |
| 17 Investor-Owned Utility | 15139 | 15017 | 13567 | 12529 | 13682 | 15140 | 15459 | 14602 | 13648 | 12733 | 12733 | 12496 | 14450 | 15641 | 14086 |
| 18 Marketer | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 19 Direct-Service Industry | 422 | 421 | 421 | 422 | 422 | 422 | 422 | 421 | 421 | 422 | 422 | 421 | 421 | 421 | 421 |
| 20 Total Loads | 25775 | 25590 | 23559 | 22482 | 25046 | 27478 | 27745 | 26484 | 24367 | 23233 | 23233 | 22647 | 24780 | 26459 | 24994 |

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Exhibit 22
Regional Exports

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional Exports
Operating Year 2018
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 467 | 472 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 451 | 488 | 469 | 469 | 469 | 469 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 11.1 |
| 3 Total Exports to CAN | 582 | 586 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 451 | 488 | 469 | 469 | 485 | 480 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 | 6.80 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 BPA-P to Other Entities | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.5 |
| Transfer Services | | | | | | | | | | | | | | | |
| 8 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 9 Total Exports to ISW | 34.3 | 38.9 | 37.9 | 35.4 | 39.9 | 36.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 24.0 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 10 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to Other Entities | 39.0 | 38.5 | 28.1 | 23.4 | 18.3 | 13.8 | 15.2 | 12.3 | 19.1 | 33.9 | 30.6 | 33.4 | 37.9 | 39.3 | 26.1 |
| 13 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 16 PSE to PG&E SNX Del | 186 | 186 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.2 | 155 | 47.1 |
| 17 SCL to NCPA SNX Del | 19.2 | 19.2 | 30.0 | 14.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.33 |
| Transfer Services | | | | | | | | | | | | | | | |
| 18 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 19 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 20 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 21 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 22 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 23 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 72.5 | 38.8 | 64.1 | 73.7 | 132 | 111 | 119 | 117 | 115 | 86.6 |
| 24 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 25 SMUD to SMUD TS PwrP | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 26 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 27 Intertie Losses | 20 | 26 | 24 | 15 | 20 | 15 | 9 | 14 | 16 | 27 | 23 | 25 | 26 | 29 | 20 |
| 28 Total Exports to PSW | 688 | 878 | 821 | 517 | 681 | 532 | 317 | 477 | 537 | 928 | 798 | 845 | 901 | 997 | 690 |
| Total Exports | | | | | | | | | | | | | | | |
| 29 Federal Entities | 647 | 651 | 523 | 518 | 513 | 509 | 485 | 482 | 489 | 485 | 520 | 504 | 508 | 525 | 518 |
| 30 Investor Owned Utilities | 408 | 515 | 477 | 248 | 352 | 270 | 148 | 240 | 275 | 486 | 410 | 438 | 485 | 579 | 369 |
| 31 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 32 Municipality | 197 | 263 | 259 | 204 | 261 | 211 | 137 | 193 | 206 | 337 | 290 | 302 | 306 | 305 | 244 |
| 33 Total Exports | 1292 | 1486 | 1312 | 1014 | 1178 | 1030 | 790 | 949 | 1010 | 1380 | 1288 | 1316 | 1370 | 1479 | 1182 |

Regional Exports

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 462 | 466 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 |
| 2 BPA-P to BCHP NTSA Del | 91.7 | 91.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15.5 | 9.11 |
| 3 Total Exports to CAN | 553 | 558 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | 480 | 473 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 6.80 | 6.80 | 6.80 | 6.80 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.46 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 6.80 | 6.80 | 6.80 | 6.80 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 2.46 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 39.1 | 38.6 | 29.4 | 22.1 | 18.4 | 14.0 | 13.6 | 11.6 | 0.28 | 0 | 0 | 0 | 0 | 0 | 12.4 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 186 | 186 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.2 | 155 | 47.1 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 72.5 | 38.8 | 64.1 | 73.7 | 132 | 111 | 119 | 117 | 115 | 86.6 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 SMUD to SMUD TS PwrP | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 24 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 25 Intertie Losses | 19 | 25 | 23 | 15 | 20 | 16 | 9 | 14 | 15 | 26 | 22 | 24 | 25 | 28 | 20 |
| 26 Total Exports to PSW | 668 | 859 | 792 | 501 | 681 | 532 | 315 | 476 | 518 | 893 | 766 | 810 | 862 | 957 | 670 |
| Total Exports | | | | | | | | | | | | | | | |
| 27 Federal Entities | 594 | 598 | 494 | 487 | 483 | 479 | 478 | 476 | 464 | 464 | 464 | 464 | 464 | 480 | 486 |
| 28 Investor Owned Utilities | 408 | 515 | 477 | 248 | 347 | 264 | 142 | 234 | 269 | 480 | 404 | 432 | 479 | 573 | 365 |
| 29 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 30 Municipality | 178 | 244 | 229 | 190 | 261 | 211 | 137 | 193 | 206 | 337 | 290 | 302 | 306 | 305 | 239 |
| 31 Total Exports | 1219 | 1413 | 1253 | 968 | 1142 | 994 | 778 | 938 | 979 | 1353 | 1226 | 1270 | 1320 | 1428 | 1140 |

Regional Exports

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 452 | 456 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 91.7 | 91.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 9.80 |
| 3 Total Exports to CAN | 544 | 548 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 464 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.25 |
| 15 PSE to PG&E SNX Del | 186 | 186 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.2 | 155 | 47.0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.0 |
| 21 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 72.5 | 38.8 | 64.1 | 73.7 | 132 | 111 | 119 | 117 | 115 | 86.6 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 SMUD to SMUD TS PwrP | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 24 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.1 |
| 25 Intertie Losses | 18 | 24 | 22 | 14 | 19 | 15 | 9 | 14 | 15 | 26 | 22 | 24 | 25 | 28 | 19 |
| 26 Total Exports to PSW | 628 | 819 | 761 | 478 | 662 | 518 | 301 | 464 | 517 | 893 | 766 | 810 | 862 | 957 | 657 |
| Total Exports | | | | | | | | | | | | | | | |
| 27 Federal Entities | 544 | 548 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 464 |
| 28 Investor Owned Utilities | 402 | 510 | 471 | 242 | 347 | 264 | 142 | 234 | 269 | 480 | 404 | 432 | 479 | 573 | 363 |
| 29 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 30 Municipality | 178 | 244 | 229 | 190 | 261 | 211 | 137 | 193 | 206 | 337 | 290 | 302 | 306 | 305 | 239 |
| 31 Total Exports | 1163 | 1358 | 1207 | 930 | 1113 | 969 | 754 | 916 | 969 | 1343 | 1217 | 1261 | 1310 | 1426 | 1117 |

Regional Exports

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 469 | 440 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 186 | 186 | 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.2 | 155 | 47.1 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 72.5 | 38.8 | 64.1 | 73.7 | 132 | 111 | 119 | 117 | 115 | 86.6 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 SMUD to SMUD TS PwrP | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 24 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 25 Intertie Losses | 18 | 24 | 22 | 14 | 19 | 15 | 9 | 14 | 15 | 26 | 22 | 24 | 25 | 28 | 19 |
| 26 Total Exports to PSW | 628 | 819 | 761 | 478 | 662 | 518 | 301 | 464 | 517 | 893 | 766 | 810 | 862 | 957 | 658 |
| Total Exports | | | | | | | | | | | | | | | |
| 27 Federal Entities | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 28 Investor Owned Utilities | 402 | 510 | 471 | 242 | 347 | 264 | 142 | 234 | 269 | 480 | 404 | 432 | 479 | 573 | 363 |
| 29 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 30 Municipality | 178 | 244 | 229 | 190 | 261 | 211 | 137 | 193 | 206 | 337 | 290 | 302 | 306 | 305 | 239 |
| 31 Total Exports | 1204 | 1365 | 1207 | 930 | 1113 | 969 | 754 | 916 | 969 | 1343 | 1217 | 1261 | 1310 | 1426 | 1119 |

Regional Exports

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 433 | 474 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 548 | 589 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 72.5 | 38.8 | 64.1 | 73.7 | 132 | 111 | 119 | 117 | 115 | 86.6 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 24 Intertie Losses | 11 | 17 | 16 | 13 | 18 | 14 | 7 | 12 | 14 | 25 | 21 | 23 | 22 | 22 | 16 |
| 25 Total Exports to PSW | 390 | 581 | 541 | 436 | 613 | 468 | 250 | 414 | 476 | 851 | 724 | 774 | 765 | 748 | 563 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 548 | 589 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 216 | 324 | 301 | 242 | 347 | 264 | 142 | 234 | 269 | 480 | 404 | 432 | 428 | 418 | 316 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 133 | 199 | 185 | 149 | 213 | 163 | 87.0 | 144 | 165 | 296 | 249 | 266 | 263 | 257 | 194 |
| 30 Total Exports | 937 | 1168 | 993 | 889 | 1066 | 921 | 704 | 867 | 929 | 1302 | 1175 | 1225 | 1217 | 1224 | 1028 |

Regional Exports

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 452 | 456 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 472 | 436 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 472 | 436 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 96.0 | 77.2 | 111 | 84.3 | 45.1 | 74.6 | 85.7 | 153 | 129 | 138 | 136 | 133 | 101 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 59.2 | 88.9 | 82.6 | 66.3 | 95.1 | 38.0 | 20.3 | 33.6 | 38.6 | 69.1 | 58.2 | 62.2 | 61.5 | 60.1 | 58.1 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 24 Intertie Losses | 11 | 17 | 16 | 13 | 18 | 13 | 7 | 11 | 13 | 23 | 20 | 21 | 21 | 20 | 16 |
| 25 Total Exports to PSW | 390 | 581 | 541 | 436 | 613 | 432 | 231 | 382 | 440 | 786 | 670 | 716 | 708 | 692 | 534 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 472 | 436 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 216 | 324 | 301 | 242 | 347 | 230 | 123 | 204 | 234 | 418 | 351 | 376 | 372 | 363 | 287 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 133 | 199 | 185 | 149 | 213 | 163 | 87.0 | 144 | 165 | 296 | 249 | 266 | 263 | 257 | 194 |
| 30 Total Exports | 956 | 1150 | 993 | 889 | 1066 | 886 | 686 | 837 | 894 | 1257 | 1105 | 1169 | 1161 | 1169 | 999 |

Regional Exports

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 452 | 456 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.25 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 68.9 | 103 | 79.9 | 64.2 | 92.0 | 70.1 | 37.5 | 62.0 | 71.3 | 128 | 107 | 115 | 114 | 111 | 85.0 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.0 |
| 21 PG&E to PG&E TS PwrP | 31.0 | 46.6 | 43.3 | 34.8 | 49.8 | 38.0 | 20.3 | 33.6 | 38.6 | 69.1 | 58.2 | 62.2 | 61.5 | 60.1 | 45.4 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.1 |
| 24 Intertie Losses | 11 | 16 | 14 | 11 | 16 | 12 | 7 | 11 | 12 | 22 | 19 | 20 | 20 | 19 | 15 |
| 25 Total Exports to PSW | 361 | 538 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 504 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 188 | 282 | 262 | 211 | 301 | 230 | 123 | 204 | 234 | 418 | 351 | 376 | 372 | 363 | 274 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 133 | 199 | 169 | 136 | 195 | 148 | 79.4 | 131 | 151 | 270 | 227 | 243 | 240 | 235 | 179 |
| 30 Total Exports | 928 | 1108 | 938 | 845 | 1002 | 872 | 678 | 824 | 879 | 1213 | 1101 | 1145 | 1138 | 1147 | 970 |

Regional Exports

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 452 | 456 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 57.3 | 85.9 | 79.9 | 64.2 | 92.0 | 70.1 | 37.5 | 62.0 | 71.3 | 128 | 107 | 115 | 114 | 111 | 83.8 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 31.0 | 46.6 | 43.3 | 34.8 | 49.8 | 38.0 | 20.3 | 33.6 | 38.6 | 69.1 | 58.2 | 62.2 | 61.5 | 60.1 | 45.4 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 24 Intertie Losses | 10 | 15 | 14 | 11 | 16 | 12 | 7 | 11 | 12 | 22 | 19 | 20 | 20 | 19 | 15 |
| 25 Total Exports to PSW | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 567 | 571 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 188 | 282 | 262 | 211 | 301 | 230 | 123 | 204 | 234 | 418 | 351 | 376 | 372 | 363 | 275 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 121 | 182 | 169 | 136 | 195 | 148 | 79.4 | 131 | 151 | 270 | 227 | 243 | 240 | 235 | 177 |
| 30 Total Exports | 916 | 1091 | 938 | 845 | 1002 | 872 | 678 | 824 | 879 | 1213 | 1101 | 1145 | 1138 | 1147 | 969 |

Regional Exports
Operating Year 2026
2016 White Book Report Date: 9/20/2016
S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 469 | 440 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 57.3 | 85.9 | 79.9 | 64.2 | 92.0 | 70.1 | 37.5 | 62.0 | 71.3 | 128 | 107 | 115 | 114 | 111 | 83.8 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 31.0 | 46.6 | 43.3 | 34.8 | 49.8 | 38.0 | 20.3 | 33.6 | 38.6 | 69.1 | 58.2 | 62.2 | 61.5 | 60.1 | 45.4 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 24 Intertie Losses | 10 | 15 | 14 | 11 | 16 | 12 | 7 | 11 | 12 | 22 | 19 | 20 | 20 | 19 | 15 |
| 25 Total Exports to PSW | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 188 | 282 | 262 | 211 | 301 | 230 | 123 | 204 | 234 | 418 | 351 | 376 | 372 | 363 | 275 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 121 | 182 | 169 | 136 | 195 | 148 | 79.4 | 131 | 151 | 270 | 227 | 243 | 240 | 235 | 177 |
| 30 Total Exports | 933 | 1075 | 938 | 845 | 1002 | 872 | 678 | 824 | 879 | 1213 | 1101 | 1145 | 1138 | 1147 | 969 |

Regional Exports

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BPA-P to BCHP Trty CEA | 469 | 440 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 |
| 2 BPA-P to BCHP NTSA Del | 115 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24.0 | 11.8 |
| 3 Total Exports to CAN | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| East Continental Divide | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 4 AVWP to PPLM PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Exports to ECD | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 7 UAMP to UAMP TS PwrP | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 8 Total Exports to ISW | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 9 BPA-P to PASA CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 BPA-P to PASA SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 BPA-P to RVSD CNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 BPA-P to RVSD SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 MCQC to BURB PwrS LTFirm | 7.81 | 7.81 | 7.81 | 7.81 | 0 | 0 | 0 | 0 | 0 | 0 | 7.81 | 7.81 | 7.81 | 7.81 | 4.26 |
| 15 PSE to PG&E SNX Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Transfer Services | | | | | | | | | | | | | | | |
| 16 BURB to BURB TS PwrP | 1.60 | 2.41 | 2.24 | 1.80 | 2.58 | 1.96 | 1.05 | 1.74 | 2.00 | 3.57 | 3.01 | 3.22 | 3.18 | 3.11 | 2.35 |
| 17 GLEN to GLEN TS PwrP | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.83 | 9.01 | 16.1 | 13.6 | 14.5 | 14.3 | 14.0 | 10.6 |
| 18 LDWP to LDWP TS PwrP | 57.3 | 85.9 | 79.9 | 64.2 | 92.0 | 70.1 | 37.5 | 62.0 | 71.3 | 128 | 107 | 115 | 114 | 111 | 83.8 |
| 19 MID to MID TS PwrP | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 20 Other Entities to Other Entities | 60.2 | 90.3 | 83.9 | 67.4 | 96.6 | 73.7 | 39.4 | 65.2 | 74.9 | 134 | 113 | 121 | 119 | 117 | 88.1 |
| 21 PG&E to PG&E TS PwrP | 31.0 | 46.6 | 43.3 | 34.8 | 49.8 | 38.0 | 20.3 | 33.6 | 38.6 | 69.1 | 58.2 | 62.2 | 61.5 | 60.1 | 45.4 |
| 22 SCE to SCE TS PwrP | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 23 TID to TID TS PwrP | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 24 Intertie Losses | 10 | 15 | 14 | 11 | 16 | 12 | 7 | 11 | 12 | 22 | 19 | 20 | 20 | 19 | 15 |
| 25 Total Exports to PSW | 349 | 520 | 484 | 390 | 548 | 417 | 223 | 369 | 425 | 760 | 647 | 692 | 684 | 669 | 503 |
| Total Exports | | | | | | | | | | | | | | | |
| 26 Federal Entities | 584 | 555 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 454 | 478 | 466 |
| 27 Investor Owned Utilities | 188 | 282 | 262 | 211 | 301 | 230 | 123 | 204 | 234 | 418 | 351 | 376 | 372 | 363 | 275 |
| 28 Marketer | 39.9 | 56.0 | 52.6 | 43.8 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 68.0 | 72.2 | 71.4 | 70.0 | 51.2 |
| 29 Municipality | 121 | 182 | 169 | 136 | 195 | 148 | 79.4 | 131 | 151 | 270 | 227 | 243 | 240 | 235 | 177 |
| 30 Total Exports | 933 | 1075 | 938 | 845 | 1002 | 872 | 678 | 824 | 879 | 1213 | 1101 | 1145 | 1138 | 1147 | 969 |

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***Exhibit 23
Regional Imports***

***Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions***

Regional: Imports

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 525 | 525 | 476 | 442 | 435 | 469 | 441 | 455 | 429 | 408 | 409 | 456 | 580 | 640 | 480 |
| 6 Total Imports From ISW | 525 | 525 | 476 | 442 | 435 | 469 | 441 | 455 | 429 | 408 | 409 | 456 | 580 | 640 | 480 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities to Other Entities | 64.4 | 64.6 | 63.9 | 114 | 114 | 113 | 114 | 114 | 115 | 63.3 | 64.4 | 64.0 | 64.4 | 63.4 | 88.9 |
| 14 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 15 NCPA to SCL SNX Ret | 0 | 0 | 0 | 0 | 23.7 | 30.0 | 30.0 | 30.0 | 30.0 | 6.20 | 6.20 | 0 | 0 | 0 | 12.4 |
| 16 Total Imports From PSW | 64.4 | 64.6 | 63.9 | 114 | 318 | 378 | 231 | 208 | 145 | 69.5 | 70.6 | 64.0 | 64.4 | 63.4 | 148 |
| Total Imports | | | | | | | | | | | | | | | |
| 17 Federal Entities | 65.4 | 65.6 | 64.9 | 115 | 115 | 114 | 115 | 115 | 116 | 64.3 | 65.4 | 65.0 | 65.4 | 64.4 | 89.9 |
| 18 Investor Owned Utilities | 527 | 527 | 478 | 444 | 619 | 708 | 532 | 522 | 431 | 411 | 411 | 458 | 581 | 642 | 529 |
| 19 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 58.7 | 75.0 | 88.0 | 97.0 | 89.0 | 33.2 | 33.2 | 26.0 | 36.0 | 24.0 | 47.8 |
| 20 Total Imports | 610 | 610 | 555 | 578 | 792 | 897 | 735 | 734 | 636 | 508 | 510 | 549 | 683 | 730 | 667 |

**Regional: Imports
Operating Year 2019**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 531 | 531 | 479 | 445 | 438 | 472 | 444 | 458 | 432 | 411 | 411 | 459 | 586 | 647 | 484 |
| 6 Total Imports From ISW | 531 | 531 | 479 | 445 | 438 | 472 | 444 | 458 | 432 | 411 | 411 | 459 | 586 | 647 | 484 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities to Other Entities | 64.4 | 64.6 | 63.3 | 115 | 114 | 113 | 114 | 114 | 114 | 64.4 | 64.4 | 64.0 | 63.9 | 64.0 | 88.9 |
| 14 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 15 Total Imports From PSW | 64.4 | 64.6 | 63.3 | 115 | 295 | 348 | 201 | 178 | 114 | 64.4 | 64.4 | 64.0 | 63.9 | 64.0 | 136 |
| Total Imports | | | | | | | | | | | | | | | |
| 16 Federal Entities | 65.4 | 65.6 | 64.3 | 116 | 115 | 114 | 115 | 115 | 115 | 65.4 | 65.4 | 65.0 | 64.9 | 65.0 | 89.9 |
| 17 Investor Owned Utilities | 533 | 532 | 480 | 447 | 621 | 710 | 534 | 524 | 434 | 413 | 413 | 461 | 588 | 649 | 533 |
| 18 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 19 Total Imports | 616 | 616 | 558 | 581 | 771 | 870 | 707 | 706 | 608 | 506 | 506 | 552 | 689 | 738 | 658 |

**Regional: Imports
Operating Year 2020**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.5 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 536 | 536 | 482 | 448 | 440 | 474 | 446 | 461 | 434 | 414 | 414 | 462 | 592 | 654 | 487 |
| 6 Total Imports From ISW | 536 | 536 | 482 | 448 | 440 | 474 | 446 | 461 | 434 | 414 | 414 | 462 | 592 | 654 | 487 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities to Other Entities | 64.4 | 64.6 | 63.3 | 115 | 114 | 113 | 114 | 114 | 114 | 64.4 | 64.4 | 63.4 | 64.4 | 64.0 | 89.0 |
| 14 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 15 Total Imports From PSW | 64.4 | 64.6 | 63.3 | 115 | 295 | 348 | 201 | 178 | 114 | 64.4 | 64.4 | 63.4 | 64.4 | 64.0 | 136 |
| Total Imports | | | | | | | | | | | | | | | |
| 16 Federal Entities | 65.4 | 65.6 | 64.3 | 116 | 115 | 114 | 115 | 115 | 115 | 65.4 | 65.4 | 64.4 | 65.4 | 65.0 | 90.0 |
| 17 Investor Owned Utilities | 538 | 538 | 483 | 450 | 623 | 713 | 537 | 527 | 437 | 416 | 416 | 464 | 594 | 656 | 537 |
| 18 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.5 |
| 19 Total Imports | 622 | 622 | 561 | 584 | 773 | 872 | 710 | 709 | 611 | 508 | 508 | 554 | 696 | 745 | 662 |

**Regional: Imports
Operating Year 2021**

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 542 | 542 | 485 | 451 | 442 | 477 | 449 | 463 | 437 | 417 | 417 | 465 | 598 | 661 | 491 |
| 6 Total Imports From ISW | 542 | 542 | 485 | 451 | 442 | 477 | 449 | 463 | 437 | 417 | 417 | 465 | 598 | 661 | 491 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities to Other Entities | 64.4 | 63.5 | 63.9 | 115 | 113 | 114 | 113 | 114 | 115 | 64.4 | 64.4 | 63.4 | 64.4 | 0 | 83.5 |
| 14 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 15 Total Imports From PSW | 64.4 | 63.5 | 63.9 | 115 | 294 | 349 | 201 | 178 | 115 | 64.4 | 64.4 | 63.4 | 64.4 | 0 | 131 |
| Total Imports | | | | | | | | | | | | | | | |
| 16 Federal Entities | 65.4 | 64.5 | 64.9 | 116 | 114 | 115 | 114 | 115 | 116 | 65.4 | 65.4 | 64.4 | 65.4 | 1.00 | 84.5 |
| 17 Investor Owned Utilities | 544 | 544 | 487 | 453 | 626 | 715 | 539 | 529 | 439 | 419 | 419 | 467 | 600 | 663 | 540 |
| 18 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 19 Total Imports | 627 | 626 | 565 | 587 | 775 | 875 | 712 | 711 | 614 | 511 | 511 | 557 | 701 | 688 | 660 |

**Regional: Imports
Operating Year 2022**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 548 | 548 | 488 | 454 | 445 | 480 | 451 | 466 | 440 | 419 | 419 | 468 | 605 | 667 | 494 |
| 6 Total Imports From ISW | 548 | 548 | 488 | 454 | 445 | 480 | 451 | 466 | 440 | 419 | 419 | 468 | 605 | 667 | 494 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 550 | 550 | 490 | 456 | 628 | 718 | 542 | 532 | 442 | 421 | 421 | 470 | 606 | 669 | 544 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 18 Total Imports | 569 | 569 | 504 | 476 | 664 | 764 | 601 | 600 | 502 | 449 | 449 | 497 | 643 | 694 | 580 |

**Regional: Imports
Operating Year 2023**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LcALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 554 | 554 | 491 | 457 | 447 | 483 | 453 | 468 | 443 | 422 | 422 | 471 | 611 | 674 | 498 |
| 6 Total Imports From ISW | 554 | 554 | 491 | 457 | 447 | 483 | 453 | 468 | 443 | 422 | 422 | 471 | 611 | 674 | 498 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 556 | 555 | 493 | 459 | 631 | 721 | 544 | 534 | 445 | 424 | 424 | 473 | 612 | 677 | 548 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 18 Total Imports | 575 | 574 | 507 | 479 | 667 | 767 | 603 | 602 | 505 | 452 | 452 | 500 | 649 | 702 | 584 |

**Regional: Imports
Operating Year 2024**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.5 |
| 2 BCHP to BPA-P Trty LcALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 560 | 559 | 494 | 460 | 449 | 485 | 456 | 471 | 445 | 425 | 425 | 474 | 617 | 681 | 502 |
| 6 Total Imports From ISW | 560 | 559 | 494 | 460 | 449 | 485 | 456 | 471 | 445 | 425 | 425 | 474 | 617 | 681 | 502 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 561 | 561 | 496 | 462 | 633 | 724 | 546 | 537 | 448 | 427 | 427 | 476 | 619 | 683 | 551 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.5 |
| 18 Total Imports | 580 | 580 | 510 | 482 | 669 | 770 | 605 | 605 | 508 | 455 | 455 | 503 | 656 | 708 | 588 |

**Regional: Imports
Operating Year 2025**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 565 | 565 | 498 | 462 | 452 | 488 | 458 | 473 | 448 | 428 | 428 | 477 | 624 | 688 | 506 |
| 6 Total Imports From ISW | 565 | 565 | 498 | 462 | 452 | 488 | 458 | 473 | 448 | 428 | 428 | 477 | 624 | 688 | 506 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 567 | 567 | 500 | 464 | 635 | 727 | 549 | 540 | 451 | 430 | 430 | 479 | 626 | 690 | 555 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 18 Total Imports | 586 | 586 | 514 | 484 | 671 | 773 | 608 | 608 | 511 | 458 | 458 | 506 | 663 | 715 | 591 |

**Regional: Imports
Operating Year 2026**

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LcALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 571 | 571 | 501 | 466 | 454 | 491 | 461 | 476 | 451 | 430 | 430 | 480 | 631 | 695 | 509 |
| 6 Total Imports From ISW | 571 | 571 | 501 | 466 | 454 | 491 | 461 | 476 | 451 | 430 | 430 | 480 | 631 | 695 | 509 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 573 | 573 | 503 | 468 | 638 | 729 | 551 | 542 | 454 | 433 | 433 | 482 | 632 | 697 | 559 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 18 Total Imports | 592 | 592 | 517 | 488 | 674 | 775 | 610 | 610 | 514 | 461 | 461 | 509 | 669 | 722 | 595 |

Regional: Imports

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Canada | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 1 BCHP to SCL PwrS LTFirm | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 2 BCHP to BPA-P Trty LCALgcyRtn | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 3 Other Entities to PSE | 1.79 | 1.79 | 1.75 | 1.95 | 2.90 | 3.34 | 3.28 | 2.79 | 2.70 | 2.19 | 2.19 | 1.86 | 1.64 | 2.01 | 2.35 |
| 4 Total Imports From CAN | 20.8 | 20.8 | 15.8 | 22.0 | 38.9 | 49.3 | 62.3 | 70.8 | 62.7 | 30.2 | 30.2 | 28.9 | 38.6 | 27.0 | 38.8 |
| Inland Southwest | | | | | | | | | | | | | | | |
| Transfer Services | | | | | | | | | | | | | | | |
| 5 RMP to RMP TS PwrP | 577 | 577 | 504 | 468 | 457 | 494 | 463 | 479 | 454 | 433 | 433 | 483 | 637 | 702 | 513 |
| 6 Total Imports From ISW | 577 | 577 | 504 | 468 | 457 | 494 | 463 | 479 | 454 | 433 | 433 | 483 | 637 | 702 | 513 |
| Pacific Southwest | | | | | | | | | | | | | | | |
| Contracts | | | | | | | | | | | | | | | |
| 7 PASA to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA-P CNX EER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA-P CNX Repl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA-P SNX Ret | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 PG&E to PSE SNX Ret | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| 14 Total Imports From PSW | 0 | 0 | 0 | 0 | 181 | 235 | 87.4 | 63.3 | 0 | 0 | 0 | 0 | 0 | 0 | 47.1 |
| Total Imports | | | | | | | | | | | | | | | |
| 15 Federal Entities | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 16 Investor Owned Utilities | 579 | 579 | 506 | 470 | 640 | 732 | 554 | 545 | 457 | 436 | 436 | 485 | 639 | 704 | 562 |
| 17 Municipality | 18.0 | 18.0 | 13.0 | 19.0 | 35.0 | 45.0 | 58.0 | 67.0 | 59.0 | 27.0 | 27.0 | 26.0 | 36.0 | 24.0 | 35.4 |
| 18 Total Imports | 598 | 598 | 520 | 490 | 676 | 778 | 613 | 613 | 517 | 464 | 464 | 512 | 676 | 729 | 599 |

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Exhibit 24
Regional Intra-Regional Transfers

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Intra-Regional Transfers
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 456 | 457 | 487 | 478 | 566 | 560 | 514 | 494 | 436 | 489 | 485 | 377 | 463 | 392 | 475 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 61.4 | 64.1 | 61.5 | 64.1 | 60.9 | 62.3 | 60.8 | 67.8 | 61.4 | 0 | 61.4 | 0 | 46.4 |
| 2 AVWP to ESI PwrS LTFirm | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21.0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 113 | 113 | 113 | 113 | 55.8 | 55.8 | 55.8 | 0 | 0 | 0 | 46.4 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 12.5 | 0 | 0 | 0 | 0 | 0 | 0 | 13.6 |
| 6 BPA-P to PPL NSP RIn | 5.33 | 5.33 | 4.26 | 4.41 | 5.31 | 3.68 | 3.24 | 2.77 | 2.17 | 4.69 | 4.72 | 5.03 | 4.97 | 6.35 | 4.36 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.77 | 3.92 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.20 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 9.99 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 134 | 135 | 120 | 110 | 90.9 | 85.1 | 90.2 | 83.0 | 101 | 135 | 137 | 135 | 146 | 135 | 114 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 4.13 | 4.12 | 4.56 | 5.15 | 3.80 | 3.24 | 2.50 | 2.40 | 4.56 | 5.18 | 5.21 | 4.81 | 6.56 | 5.33 | 4.36 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 456 | 457 | 487 | 478 | 566 | 560 | 514 | 494 | 436 | 489 | 485 | 377 | 463 | 392 | 475 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 39.8 | 39.8 | 38.7 | 38.8 | 156 | 155 | 155 | 142 | 67.4 | 69.9 | 70.0 | 14.5 | 14.4 | 15.8 | 75.1 |
| 27 Investor Owned Utilities | 108 | 108 | 156 | 154 | 142 | 139 | 90.0 | 84.0 | 102 | 121 | 115 | 52.0 | 125 | 55.2 | 110 |
| 28 Marketer | 225 | 225 | 224 | 219 | 203 | 203 | 203 | 203 | 203 | 230 | 232 | 231 | 232 | 230 | 217 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 21.9 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 456 | 457 | 487 | 478 | 566 | 560 | 514 | 494 | 436 | 489 | 485 | 377 | 463 | 392 | 475 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 159 | 159 | 207 | 200 | 173 | 169 | 171 | 165 | 183 | 229 | 225 | 160 | 234 | 161 | 184 |
| 33 Investor Owned Utilities | 138 | 138 | 119 | 117 | 234 | 234 | 234 | 232 | 171 | 176 | 176 | 135 | 142 | 145 | 173 |
| 34 Marketer | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 39.7 | 27.2 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 49.2 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 456 | 457 | 487 | 478 | 566 | 560 | 514 | 494 | 436 | 489 | 485 | 377 | 463 | 392 | 475 |

Regional: Intra-Regional Transfers
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 388 | 389 | 356 | 327 | 434 | 425 | 432 | 419 | 353 | 393 | 393 | 348 | 362 | 363 | 383 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 113 | 113 | 113 | 113 | 55.8 | 55.8 | 55.8 | 0 | 0 | 0 | 46.4 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 5.33 | 5.33 | 4.26 | 4.42 | 5.27 | 3.68 | 3.24 | 2.77 | 2.17 | 4.73 | 4.73 | 5.05 | 4.97 | 6.38 | 4.36 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.77 | 3.92 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 141 | 142 | 126 | 98.4 | 94.9 | 89.1 | 94.2 | 82.5 | 78.0 | 107 | 107 | 106 | 106 | 106 | 103 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 4.13 | 4.12 | 4.57 | 5.11 | 3.80 | 3.24 | 2.50 | 2.40 | 4.58 | 5.22 | 5.22 | 4.81 | 6.59 | 5.37 | 4.37 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 388 | 389 | 356 | 327 | 434 | 425 | 432 | 419 | 353 | 393 | 393 | 348 | 362 | 363 | 383 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 14.8 | 14.8 | 13.7 | 13.9 | 131 | 130 | 130 | 129 | 67.4 | 70.0 | 70.0 | 14.5 | 14.4 | 15.8 | 61.5 |
| 27 Investor Owned Utilities | 57.9 | 57.9 | 44.3 | 39.5 | 30.8 | 24.6 | 29.1 | 17.2 | 14.9 | 19.0 | 19.0 | 19.1 | 21.3 | 20.7 | 28.3 |
| 28 Marketer | 232 | 232 | 230 | 207 | 207 | 207 | 207 | 207 | 207 | 236 | 236 | 235 | 235 | 235 | 220 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 388 | 389 | 356 | 327 | 434 | 425 | 432 | 419 | 353 | 393 | 393 | 348 | 362 | 363 | 383 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 166 | 166 | 151 | 124 | 116 | 109 | 114 | 102 | 99.5 | 133 | 133 | 131 | 133 | 132 | 126 |
| 33 Investor Owned Utilities | 138 | 138 | 119 | 117 | 234 | 234 | 234 | 232 | 171 | 176 | 176 | 135 | 142 | 145 | 173 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 388 | 389 | 356 | 327 | 434 | 425 | 432 | 419 | 353 | 393 | 393 | 348 | 362 | 363 | 383 |

Regional: Intra-Regional Transfers
Operating Year 2020
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 354 | 354 | 335 | 229 | 226 | 223 | 225 | 223 | 219 | 259 | 259 | 269 | 285 | 285 | 261 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 5.37 | 5.37 | 4.26 | 4.42 | 5.27 | 3.68 | 3.24 | 2.68 | 2.25 | 4.73 | 4.73 | 5.05 | 4.97 | 6.35 | 4.36 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.77 | 3.92 | 4.03 | 0 | 0 | 0 | 0 | 0 | 0 | 1.29 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.46 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.00 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.65 |
| 15 Other Entities to BPA-P | 107 | 107 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 28.9 | 26.9 | 28.9 | 28.0 | 27.0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 4.13 | 4.12 | 4.57 | 5.11 | 3.80 | 3.24 | 2.50 | 2.40 | 4.58 | 5.22 | 5.22 | 4.81 | 6.56 | 5.37 | 4.36 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 354 | 354 | 335 | 229 | 226 | 223 | 225 | 223 | 219 | 259 | 259 | 269 | 285 | 285 | 261 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 14.8 | 14.8 | 13.7 | 13.9 | 18.6 | 16.9 | 16.6 | 16.1 | 11.7 | 14.2 | 14.2 | 14.5 | 14.4 | 15.8 | 15.1 |
| 27 Investor Owned Utilities | 19.4 | 19.4 | 19.0 | 19.1 | 13.9 | 13.4 | 12.9 | 12.7 | 14.9 | 19.0 | 19.0 | 19.1 | 21.3 | 20.7 | 17.1 |
| 28 Marketer | 236 | 236 | 234 | 129 | 129 | 129 | 129 | 129 | 129 | 158 | 158 | 156 | 158 | 157 | 156 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 354 | 354 | 335 | 229 | 226 | 223 | 225 | 223 | 219 | 259 | 259 | 269 | 285 | 285 | 261 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 132 | 132 | 130 | 25.7 | 20.7 | 20.1 | 19.4 | 19.3 | 21.5 | 54.7 | 54.7 | 52.3 | 56.1 | 54.0 | 50.5 |
| 33 Investor Owned Utilities | 138 | 138 | 119 | 117 | 121 | 121 | 121 | 119 | 115 | 120 | 120 | 135 | 142 | 145 | 126 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 354 | 354 | 335 | 229 | 226 | 223 | 225 | 223 | 219 | 259 | 259 | 269 | 285 | 285 | 261 |

Regional: Intra-Regional Transfers
Operating Year 2021
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 276 | 274 | 258 | 224 | 217 | 216 | 219 | 218 | 212 | 249 | 249 | 259 | 274 | 245 | 239 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 5.37 | 5.36 | 4.28 | 4.41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.18 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.74 | 3.92 | 3.77 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.27 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 28.9 | 27.1 | 27.8 | 0 | 0 | 0 | 0 | 0 | 0 | 28.9 | 28.9 | 26.9 | 28.9 | 0 | 11.7 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 4.12 | 4.15 | 4.56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.73 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 276 | 274 | 258 | 224 | 217 | 216 | 219 | 218 | 212 | 249 | 249 | 259 | 274 | 245 | 239 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 14.8 | 14.8 | 13.7 | 13.8 | 13.2 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 11.9 |
| 27 Investor Owned Utilities | 19.4 | 19.4 | 18.9 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 13.5 |
| 28 Marketer | 158 | 156 | 157 | 129 | 129 | 129 | 129 | 129 | 129 | 158 | 158 | 156 | 158 | 129 | 141 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 276 | 274 | 258 | 224 | 217 | 216 | 219 | 218 | 212 | 249 | 249 | 259 | 274 | 245 | 239 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 53.6 | 51.9 | 53.0 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 49.5 | 49.5 | 47.5 | 49.5 | 20.6 | 31.5 |
| 33 Investor Owned Utilities | 138 | 138 | 119 | 117 | 115 | 117 | 117 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 123 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 276 | 274 | 258 | 224 | 217 | 216 | 219 | 218 | 212 | 249 | 249 | 259 | 274 | 245 | 239 |

Regional: Intra-Regional Transfers
Operating Year 2022
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.92 | 3.77 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.20 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 9.99 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 21.9 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 117 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

Regional: Intra-Regional Transfers
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.92 | 3.77 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 117 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

Regional: Intra-Regional Transfers
Operating Year 2024
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.77 | 3.92 | 4.03 | 0 | 0 | 0 | 0 | 0 | 0 | 1.29 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.46 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.00 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.65 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.2 | 13.4 | 13.5 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 118 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

Regional: Intra-Regional Transfers
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.89 | 3.77 | 3.92 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.3 | 13.2 | 13.4 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 118 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

Regional: Intra-Regional Transfers
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.74 | 3.92 | 3.92 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.28 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.20 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 9.99 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.2 | 13.4 | 13.4 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 21.9 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 118 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

Regional: Intra-Regional Transfers
Operating Year 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Intra-Regional Transfers | | | | | | | | | | | | | | | |
| Contracts | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| 1 AVWP to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP to ESI PwrS LTFirm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA-P to AVWP Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BPA-P to BPA-T Ops IntrlAgmt | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 |
| 5 BPA-P to Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA-P to PPL NSP RIn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA-P to PPL SNX SprgDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA-P to PPL SNX SumrDel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA-P to PSE Ops UBkr Repl | 0 | 0 | 0 | 0 | 3.74 | 3.92 | 3.77 | 4.01 | 0 | 0 | 0 | 0 | 0 | 0 | 1.27 |
| 10 BPA-P to PSE Setl WNP3 Del | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF to RMP PwrS LTFirm | 14.6 | 14.6 | 0.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11.9 | 18.5 | 19.8 | 5.47 |
| 12 GCPD to PPL PwrS LTFirm | 12.8 | 12.8 | 9.90 | 7.90 | 6.60 | 8.20 | 8.60 | 7.40 | 7.80 | 10.3 | 10.3 | 12.6 | 13.9 | 13.8 | 10.0 |
| 13 GHPD to GHP PwrS LTFirm | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 14 NWE to MVP PwrS LTFirm | 11.2 | 11.2 | 11.2 | 11.2 | 7.47 | 7.47 | 7.47 | 7.47 | 7.47 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 9.66 |
| 15 Other Entities to BPA-P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Other Entities to COPD | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 17 Other Entities to Other Entities | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 18 PGE to PPL PwrS LTFirm | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 |
| 19 PPL to BPA-P NSP SOut | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL to BPA-P SNX SprgRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL to BPA-P SNX SumrRtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE to BPA-P Setl WNP3 Rtn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL to POPD PwrS LTFirm | 40.6 | 40.6 | 42.6 | 42.9 | 41.8 | 39.5 | 41.8 | 42.0 | 39.5 | 42.1 | 42.1 | 39.2 | 43.3 | 41.7 | 41.4 |
| 24 SPN to PGE PwrS LTFirm | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 Total Intra-Regional Transfers | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts Out | | | | | | | | | | | | | | | |
| 26 Federal Entities | 9.44 | 9.44 | 9.44 | 9.44 | 13.2 | 13.4 | 13.2 | 13.4 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 9.44 | 10.7 |
| 27 Investor Owned Utilities | 15.3 | 15.3 | 14.4 | 14.0 | 10.1 | 10.2 | 10.4 | 10.3 | 10.3 | 13.8 | 13.8 | 14.3 | 14.7 | 15.3 | 12.8 |
| 28 Marketer | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 | 129 |
| 29 Municipality | 56.4 | 56.4 | 44.1 | 44.1 | 43.0 | 40.7 | 43.0 | 43.2 | 40.7 | 43.3 | 43.3 | 52.3 | 63.0 | 62.7 | 48.1 |
| 30 Public Utility District | 27.5 | 27.5 | 24.6 | 22.6 | 21.3 | 22.9 | 23.3 | 22.1 | 22.5 | 25.0 | 25.0 | 27.3 | 28.6 | 28.5 | 24.7 |
| 31 Total Regional Contracts Out | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |
| Intra-Regional Contracts In | | | | | | | | | | | | | | | |
| 32 Federal Entities | 20.6 | 20.6 | 20.6 | 20.6 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 19.1 |
| 33 Investor Owned Utilities | 132 | 132 | 115 | 113 | 115 | 117 | 117 | 116 | 113 | 115 | 115 | 130 | 137 | 139 | 122 |
| 34 Marketer | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |
| 35 Municipality | 4.28 | 4.28 | 3.39 | 2.99 | 2.86 | 2.93 | 3.11 | 3.18 | 3.05 | 2.83 | 2.83 | 3.29 | 3.73 | 4.33 | 3.33 |
| 36 Public Utility District | 65.6 | 65.6 | 67.6 | 67.9 | 66.8 | 64.5 | 66.8 | 67.0 | 64.5 | 67.1 | 67.1 | 64.2 | 68.3 | 66.7 | 66.4 |
| 37 Total Regional Contracts In | 238 | 238 | 221 | 219 | 217 | 216 | 219 | 218 | 212 | 221 | 221 | 232 | 245 | 245 | 225 |

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Exhibit 25
BPA Sales to Preference and Legacy Customers

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

BPA Sales to Preference and Legacy Customers

Operating Year 2018 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 DSI Obligation | 22.5 | 22.5 | 22.4 | 22.9 | 22.7 | 22.7 | 22.8 | 22.5 | 87.5 | 87.7 | 88.1 | 87.4 | 87.2 | 87.2 | 49.8 |
| 2 Direct Service Industry | 22.5 | 22.5 | 22.4 | 22.9 | 22.7 | 22.7 | 22.8 | 22.5 | 87.5 | 87.7 | 88.1 | 87.4 | 87.2 | 87.2 | 49.8 |
| 3 Load Following | 3156 | 3159 | 2886 | 2806 | 3370 | 3800 | 3762 | 3596 | 3126 | 2963 | 2989 | 2915 | 3003 | 3246 | 3219 |
| 4 Cooperative | 1934 | 1936 | 1704 | 1537 | 1816 | 2088 | 2037 | 1958 | 1685 | 1637 | 1651 | 1698 | 1804 | 1989 | 1824 |
| 5 Municipality | 527 | 528 | 490 | 507 | 614 | 682 | 695 | 659 | 573 | 539 | 545 | 503 | 500 | 541 | 569 |
| 6 Other | 0 | 0 | 0 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 3.43 |
| 7 Public Utility District | 593 | 594 | 597 | 662 | 809 | 881 | 882 | 834 | 743 | 680 | 686 | 615 | 603 | 610 | 709 |
| 8 Federal Entities | 101 | 101 | 94.2 | 96.6 | 126 | 145 | 144 | 141 | 120 | 102 | 103 | 94.8 | 91.2 | 102 | 113 |
| 9 Slice Block | 1603 | 1603 | 1673 | 1608 | 1984 | 2205 | 2233 | 2062 | 1919 | 1616 | 1616 | 1429 | 1338 | 1556 | 1768 |
| 10 Municipality | 487 | 487 | 611 | 526 | 735 | 800 | 830 | 786 | 758 | 521 | 521 | 341 | 269 | 441 | 591 |
| 11 Public Utility District | 1116 | 1116 | 1063 | 1083 | 1249 | 1404 | 1403 | 1276 | 1161 | 1095 | 1095 | 1088 | 1069 | 1114 | 1177 |
| 12 Slice Output from T1 System | 1941 | 1714 | 1594 | 1675 | 2136 | 2045 | 1747 | 1585 | 1699 | 1565 | 1804 | 2490 | 2094 | 1676 | 1856 |
| 13 Municipality | 652 | 575 | 535 | 562 | 717 | 687 | 587 | 532 | 570 | 525 | 606 | 836 | 703 | 563 | 623 |
| 14 Public Utility District | 1289 | 1138 | 1059 | 1113 | 1419 | 1358 | 1160 | 1053 | 1129 | 1039 | 1198 | 1654 | 1391 | 1113 | 1233 |
| 15 Tier 1 Block | 11.7 | 11.7 | 24.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.98 |
| 16 Public Utility District | 11.7 | 11.7 | 24.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.98 |
| 17 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 18 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 19 Cooperative | 1934 | 1936 | 1704 | 1537 | 1816 | 2088 | 2037 | 1958 | 1685 | 1637 | 1651 | 1698 | 1804 | 1989 | 1824 |
| 20 Direct Service Industry | 22.5 | 22.5 | 22.4 | 22.9 | 22.7 | 22.7 | 22.8 | 22.5 | 87.5 | 87.7 | 88.1 | 87.4 | 87.2 | 87.2 | 49.8 |
| 21 Federal Entities | 101 | 101 | 94.2 | 96.6 | 126 | 145 | 144 | 141 | 120 | 102 | 103 | 94.8 | 91.2 | 102 | 113 |
| 22 Municipality | 1666 | 1590 | 1636 | 1595 | 2066 | 2169 | 2111 | 1977 | 1902 | 1586 | 1672 | 1680 | 1472 | 1546 | 1783 |
| 23 Other | | | | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 3.43 |
| 24 Public Utility District | 3010 | 2860 | 2743 | 2857 | 3477 | 3644 | 3446 | 3163 | 3033 | 2815 | 2979 | 3356 | 3063 | 2838 | 3121 |
| 25 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 259 | 255 | 338 | 352 | 406 | 183 |
| 26 Total Power Sales Contracts | 7050 | 6825 | 6466 | 6220 | 7534 | 8094 | 7776 | 7282 | 6901 | 6491 | 6753 | 7259 | 6874 | 6972 | 7078 |

BPA Sales to Preference and Legacy Customers

Operating Year 2019 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 27 DSI Obligation | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 28 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 29 Load Following | 3149 | 3153 | 2883 | 2836 | 3402 | 3831 | 3791 | 3626 | 3153 | 3004 | 3004 | 2942 | 3032 | 3275 | 3243 |
| 30 Cooperative | 1893 | 1894 | 1664 | 1543 | 1823 | 2095 | 2044 | 1966 | 1692 | 1651 | 1651 | 1707 | 1813 | 1999 | 1824 |
| 31 Municipality | 538 | 539 | 500 | 513 | 620 | 687 | 697 | 660 | 574 | 542 | 542 | 503 | 500 | 541 | 573 |
| 32 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 33 Public Utility District | 612 | 613 | 619 | 666 | 814 | 885 | 888 | 839 | 749 | 689 | 689 | 619 | 609 | 615 | 716 |
| 34 Federal Entities | 103 | 103 | 95.9 | 111 | 141 | 159 | 159 | 157 | 134 | 117 | 117 | 109 | 106 | 116 | 125 |
| 35 Slice Block | 1550 | 1550 | 1620 | 1657 | 2044 | 2272 | 2300 | 2125 | 1977 | 1665 | 1665 | 1473 | 1379 | 1602 | 1804 |
| 36 Municipality | 462 | 462 | 584 | 540 | 755 | 822 | 852 | 807 | 778 | 535 | 535 | 351 | 277 | 454 | 600 |
| 37 Public Utility District | 1088 | 1088 | 1035 | 1117 | 1289 | 1450 | 1449 | 1317 | 1199 | 1130 | 1130 | 1122 | 1102 | 1148 | 1204 |
| 38 Slice Output from T1 System | 2018 | 1724 | 1707 | 1677 | 2137 | 2046 | 1748 | 1587 | 1699 | 1564 | 1808 | 2298 | 1809 | 1641 | 1827 |
| 39 Municipality | 678 | 579 | 573 | 563 | 718 | 687 | 587 | 533 | 570 | 525 | 607 | 772 | 607 | 551 | 613 |
| 40 Public Utility District | 1341 | 1145 | 1134 | 1114 | 1420 | 1359 | 1161 | 1054 | 1129 | 1039 | 1201 | 1527 | 1202 | 1090 | 1214 |
| 41 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 44 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 45 Cooperative | 1893 | 1894 | 1664 | 1543 | 1823 | 2095 | 2044 | 1966 | 1692 | 1651 | 1651 | 1707 | 1813 | 1999 | 1824 |
| 46 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 47 Federal Entities | 103 | 103 | 95.9 | 111 | 141 | 159 | 159 | 157 | 134 | 117 | 117 | 109 | 106 | 116 | 125 |
| 48 Municipality | 1678 | 1580 | 1658 | 1616 | 2092 | 2196 | 2135 | 2000 | 1922 | 1603 | 1685 | 1625 | 1385 | 1546 | 1787 |
| 49 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 50 Public Utility District | 3041 | 2846 | 2788 | 2897 | 3523 | 3694 | 3498 | 3211 | 3076 | 2858 | 3020 | 3268 | 2912 | 2853 | 3134 |
| 51 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 52 Total Power Sales Contracts | 7122 | 6830 | 6564 | 6366 | 7692 | 8258 | 7939 | 7442 | 6985 | 6578 | 6822 | 7139 | 6660 | 7012 | 7144 |

BPA Sales to Preference and Legacy Customers

Operating Year 2020 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 53 DSI Obligation | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 54 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 55 Load Following | 3178 | 3181 | 2907 | 2836 | 3403 | 3835 | 3824 | 3616 | 3184 | 3036 | 3036 | 2974 | 3064 | 3309 | 3264 |
| 56 Cooperative | 1902 | 1904 | 1672 | 1528 | 1808 | 2080 | 2033 | 1924 | 1680 | 1640 | 1640 | 1696 | 1803 | 1989 | 1813 |
| 57 Municipality | 538 | 539 | 500 | 514 | 622 | 690 | 725 | 683 | 602 | 571 | 571 | 531 | 529 | 571 | 590 |
| 58 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 59 Public Utility District | 617 | 618 | 621 | 669 | 818 | 890 | 892 | 839 | 753 | 692 | 692 | 623 | 612 | 618 | 720 |
| 60 Federal Entities | 117 | 117 | 110 | 121 | 152 | 170 | 169 | 166 | 145 | 128 | 128 | 119 | 116 | 126 | 137 |
| 61 Slice Block | 1596 | 1596 | 1668 | 1634 | 2014 | 2237 | 2265 | 2021 | 1948 | 1641 | 1641 | 1450 | 1359 | 1580 | 1784 |
| 62 Municipality | 475 | 475 | 600 | 529 | 741 | 806 | 836 | 765 | 764 | 523 | 523 | 342 | 269 | 443 | 591 |
| 63 Public Utility District | 1121 | 1121 | 1068 | 1105 | 1272 | 1431 | 1429 | 1256 | 1185 | 1118 | 1118 | 1108 | 1091 | 1137 | 1194 |
| 64 Slice Output from T1 System | 2012 | 1727 | 1710 | 1614 | 2175 | 2092 | 1770 | 1776 | 1791 | 1645 | 1558 | 2500 | 2092 | 1810 | 1900 |
| 65 Municipality | 675 | 580 | 574 | 542 | 730 | 702 | 594 | 596 | 601 | 552 | 523 | 840 | 702 | 608 | 638 |
| 66 Public Utility District | 1336 | 1147 | 1136 | 1072 | 1445 | 1390 | 1176 | 1180 | 1189 | 1093 | 1035 | 1661 | 1389 | 1203 | 1262 |
| 67 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 70 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 71 Cooperative | 1902 | 1904 | 1672 | 1528 | 1808 | 2080 | 2033 | 1924 | 1680 | 1640 | 1640 | 1696 | 1803 | 1989 | 1813 |
| 72 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 73 Federal Entities | 117 | 117 | 110 | 121 | 152 | 170 | 169 | 166 | 145 | 128 | 128 | 119 | 116 | 126 | 137 |
| 74 Municipality | 1688 | 1593 | 1674 | 1586 | 2094 | 2199 | 2156 | 2045 | 1967 | 1647 | 1618 | 1712 | 1500 | 1622 | 1819 |
| 75 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 76 Public Utility District | 3075 | 2886 | 2824 | 2846 | 3535 | 3710 | 3497 | 3274 | 3127 | 2903 | 2845 | 3392 | 3092 | 2958 | 3176 |
| 77 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 78 Total Power Sales Contracts | 7189 | 6907 | 6639 | 6280 | 7702 | 8272 | 7958 | 7517 | 7080 | 6667 | 6580 | 7349 | 6954 | 7192 | 7219 |

BPA Sales to Preference and Legacy Customers

Operating Year 2021 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 79 DSI Obligation | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 80 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 81 Load Following | 3226 | 3199 | 2939 | 2877 | 3445 | 3878 | 3841 | 3678 | 3198 | 3050 | 3050 | 2987 | 3078 | 3324 | 3291 |
| 82 Cooperative | 1900 | 1885 | 1661 | 1537 | 1818 | 2091 | 2044 | 1966 | 1689 | 1649 | 1649 | 1705 | 1813 | 2000 | 1822 |
| 83 Municipality | 571 | 565 | 529 | 542 | 650 | 719 | 729 | 692 | 605 | 574 | 574 | 534 | 532 | 573 | 604 |
| 84 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 85 Public Utility District | 623 | 618 | 624 | 671 | 819 | 891 | 893 | 845 | 754 | 693 | 693 | 624 | 612 | 619 | 722 |
| 86 Federal Entities | 128 | 127 | 121 | 122 | 153 | 172 | 171 | 170 | 146 | 129 | 129 | 120 | 117 | 128 | 140 |
| 87 Slice Block | 1574 | 1574 | 1646 | 1676 | 2066 | 2295 | 2324 | 2147 | 1998 | 1684 | 1684 | 1488 | 1396 | 1621 | 1825 |
| 88 Municipality | 465 | 465 | 589 | 542 | 759 | 826 | 856 | 811 | 782 | 537 | 537 | 351 | 276 | 455 | 603 |
| 89 Public Utility District | 1110 | 1110 | 1057 | 1134 | 1307 | 1469 | 1468 | 1336 | 1217 | 1148 | 1148 | 1137 | 1119 | 1166 | 1222 |
| 90 Slice Output from T1 System | 1905 | 1705 | 1610 | 1613 | 2172 | 2092 | 1767 | 1775 | 1791 | 1643 | 1556 | 2306 | 1805 | 1781 | 1844 |
| 91 Municipality | 640 | 573 | 541 | 542 | 729 | 702 | 593 | 596 | 601 | 552 | 522 | 774 | 606 | 598 | 619 |
| 92 Public Utility District | 1266 | 1133 | 1069 | 1071 | 1443 | 1389 | 1174 | 1179 | 1189 | 1092 | 1034 | 1531 | 1199 | 1183 | 1225 |
| 93 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 USBR Obligation | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 96 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 97 Cooperative | 1900 | 1885 | 1661 | 1537 | 1818 | 2091 | 2044 | 1966 | 1689 | 1649 | 1649 | 1705 | 1813 | 2000 | 1822 |
| 98 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 99 Federal Entities | 128 | 127 | 121 | 122 | 153 | 172 | 171 | 170 | 146 | 129 | 129 | 120 | 117 | 128 | 140 |
| 100 Municipality | 1675 | 1602 | 1659 | 1626 | 2139 | 2247 | 2178 | 2100 | 1988 | 1662 | 1633 | 1659 | 1414 | 1626 | 1826 |
| 101 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 102 Public Utility District | 2999 | 2860 | 2750 | 2876 | 3569 | 3750 | 3535 | 3360 | 3160 | 2932 | 2874 | 3293 | 2931 | 2968 | 3168 |
| 103 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 104 Total Power Sales Contracts | 7106 | 6885 | 6549 | 6362 | 7792 | 8373 | 8031 | 7704 | 7144 | 6723 | 6635 | 7206 | 6718 | 7219 | 7230 |

BPA Sales to Preference and Legacy Customers

Operating Year 2022 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 105 DSI Obligation | 87.3 | 87.7 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 106 Direct Service Industry | 87.3 | 87.7 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 107 Load Following | 3208 | 3246 | 2954 | 2888 | 3459 | 3893 | 3852 | 3690 | 3208 | 3059 | 3059 | 2996 | 3087 | 3335 | 3303 |
| 108 Cooperative | 1892 | 1914 | 1671 | 1543 | 1825 | 2099 | 2048 | 1971 | 1693 | 1653 | 1653 | 1708 | 1816 | 2004 | 1828 |
| 109 Municipality | 567 | 574 | 532 | 545 | 654 | 722 | 732 | 696 | 608 | 577 | 577 | 536 | 534 | 576 | 606 |
| 110 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 111 Public Utility District | 617 | 625 | 624 | 674 | 822 | 895 | 897 | 848 | 757 | 696 | 696 | 627 | 615 | 622 | 724 |
| 112 Federal Entities | 128 | 129 | 122 | 123 | 154 | 172 | 172 | 171 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 113 Slice Block | 1615 | 1615 | 1688 | 1640 | 2021 | 2246 | 2274 | 2101 | 1955 | 1648 | 1648 | 1456 | 1366 | 1586 | 1798 |
| 114 Municipality | 476 | 476 | 603 | 531 | 743 | 808 | 838 | 794 | 765 | 525 | 525 | 344 | 271 | 445 | 594 |
| 115 Public Utility District | 1139 | 1139 | 1085 | 1109 | 1278 | 1437 | 1436 | 1307 | 1190 | 1122 | 1122 | 1113 | 1095 | 1140 | 1204 |
| 116 Slice Output from T1 System | 1909 | 1699 | 1609 | 1612 | 2174 | 2092 | 1768 | 1775 | 1791 | 1644 | 1557 | 2499 | 2090 | 1808 | 1886 |
| 117 Municipality | 641 | 570 | 540 | 541 | 730 | 703 | 594 | 596 | 601 | 552 | 523 | 839 | 702 | 607 | 633 |
| 118 Public Utility District | 1268 | 1129 | 1068 | 1071 | 1444 | 1390 | 1174 | 1179 | 1190 | 1092 | 1034 | 1660 | 1389 | 1201 | 1253 |
| 119 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 USBR Obligation | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 122 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 123 Cooperative | 1892 | 1914 | 1671 | 1543 | 1825 | 2099 | 2048 | 1971 | 1693 | 1653 | 1653 | 1708 | 1816 | 2004 | 1828 |
| 124 Direct Service Industry | 87.3 | 87.7 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 125 Federal Entities | 128 | 129 | 122 | 123 | 154 | 172 | 172 | 171 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 126 Municipality | 1684 | 1621 | 1675 | 1617 | 2126 | 2233 | 2164 | 2086 | 1975 | 1654 | 1625 | 1719 | 1507 | 1628 | 1834 |
| 127 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 128 Public Utility District | 3024 | 2892 | 2778 | 2854 | 3544 | 3722 | 3507 | 3334 | 3136 | 2910 | 2852 | 3399 | 3098 | 2963 | 3181 |
| 129 USBR | 320 | 312 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 130 Total Power Sales Contracts | 7140 | 6960 | 6604 | 6336 | 7763 | 8340 | 7993 | 7670 | 7111 | 6696 | 6609 | 7376 | 6982 | 7222 | 7258 |

BPA Sales to Preference and Legacy Customers

Operating Year 2023 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 131 DSI Obligation | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 88.1 | 87.7 | 87.4 | 87.2 | 87.2 | 87.6 |
| 132 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 88.1 | 87.7 | 87.4 | 87.2 | 87.2 | 87.6 |
| 133 Load Following | 3236 | 3239 | 2962 | 2900 | 3473 | 3909 | 3869 | 3707 | 3222 | 3086 | 3060 | 3009 | 3101 | 3350 | 3316 |
| 134 Cooperative | 1907 | 1908 | 1674 | 1547 | 1831 | 2106 | 2055 | 1978 | 1698 | 1665 | 1651 | 1714 | 1822 | 2011 | 1833 |
| 135 Municipality | 573 | 574 | 534 | 547 | 656 | 726 | 736 | 700 | 611 | 583 | 577 | 539 | 537 | 580 | 610 |
| 136 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 137 Public Utility District | 623 | 624 | 627 | 679 | 828 | 901 | 903 | 854 | 763 | 705 | 699 | 632 | 620 | 627 | 729 |
| 138 Federal Entities | 129 | 129 | 123 | 122 | 153 | 172 | 171 | 171 | 147 | 130 | 129 | 120 | 117 | 128 | 140 |
| 139 Slice Block | 1580 | 1580 | 1651 | 1685 | 2077 | 2308 | 2337 | 2159 | 2009 | 1694 | 1694 | 1497 | 1404 | 1629 | 1835 |
| 140 Municipality | 466 | 466 | 590 | 545 | 762 | 830 | 860 | 815 | 786 | 540 | 540 | 354 | 279 | 458 | 606 |
| 141 Public Utility District | 1114 | 1114 | 1061 | 1140 | 1314 | 1478 | 1476 | 1343 | 1223 | 1154 | 1154 | 1143 | 1125 | 1171 | 1228 |
| 142 Slice Output from T1 System | 1909 | 1703 | 1609 | 1611 | 2173 | 2092 | 1767 | 1775 | 1790 | 1639 | 1557 | 2306 | 1805 | 1779 | 1844 |
| 143 Municipality | 641 | 572 | 540 | 541 | 730 | 702 | 593 | 596 | 601 | 550 | 523 | 774 | 606 | 597 | 619 |
| 144 Public Utility District | 1268 | 1131 | 1069 | 1070 | 1444 | 1389 | 1174 | 1179 | 1189 | 1089 | 1035 | 1532 | 1199 | 1182 | 1225 |
| 145 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 146 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 148 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 149 Cooperative | 1907 | 1908 | 1674 | 1547 | 1831 | 2106 | 2055 | 1978 | 1698 | 1665 | 1651 | 1714 | 1822 | 2011 | 1833 |
| 150 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 88.1 | 87.7 | 87.4 | 87.2 | 87.2 | 87.6 |
| 151 Federal Entities | 129 | 129 | 123 | 122 | 153 | 172 | 171 | 171 | 147 | 130 | 129 | 120 | 117 | 128 | 140 |
| 152 Municipality | 1680 | 1612 | 1665 | 1634 | 2149 | 2258 | 2190 | 2111 | 1998 | 1673 | 1640 | 1667 | 1423 | 1635 | 1835 |
| 153 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 154 Public Utility District | 3005 | 2869 | 2757 | 2890 | 3586 | 3768 | 3553 | 3377 | 3175 | 2947 | 2887 | 3307 | 2944 | 2981 | 3182 |
| 155 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 255 | 259 | 338 | 352 | 406 | 183 |
| 156 Total Power Sales Contracts | 7128 | 6926 | 6576 | 6393 | 7832 | 8417 | 8072 | 7744 | 7179 | 6762 | 6658 | 7238 | 6749 | 7252 | 7265 |

BPA Sales to Preference and Legacy Customers

Operating Year 2024 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 157 DSI Obligation | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 158 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 159 Load Following | 3251 | 3254 | 2976 | 2916 | 3491 | 3928 | 3887 | 3678 | 3238 | 3089 | 3089 | 3024 | 3117 | 3366 | 3330 |
| 160 Cooperative | 1913 | 1914 | 1679 | 1554 | 1839 | 2115 | 2063 | 1955 | 1705 | 1665 | 1665 | 1721 | 1830 | 2020 | 1839 |
| 161 Municipality | 576 | 577 | 538 | 550 | 659 | 729 | 738 | 696 | 613 | 582 | 582 | 540 | 539 | 582 | 612 |
| 162 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 163 Public Utility District | 629 | 630 | 632 | 685 | 834 | 907 | 909 | 855 | 769 | 708 | 708 | 638 | 626 | 633 | 735 |
| 164 Federal Entities | 129 | 129 | 122 | 123 | 154 | 173 | 172 | 168 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 165 Slice Block | 1623 | 1623 | 1696 | 1654 | 2038 | 2265 | 2294 | 2046 | 1972 | 1662 | 1662 | 1470 | 1378 | 1599 | 1808 |
| 166 Municipality | 479 | 479 | 606 | 536 | 749 | 815 | 845 | 773 | 772 | 531 | 531 | 348 | 275 | 450 | 598 |
| 167 Public Utility District | 1144 | 1144 | 1090 | 1119 | 1289 | 1450 | 1449 | 1273 | 1200 | 1132 | 1132 | 1122 | 1104 | 1149 | 1210 |
| 168 Slice Output from T1 System | 1908 | 1703 | 1608 | 1612 | 2174 | 2091 | 1769 | 1776 | 1790 | 1644 | 1557 | 2500 | 2089 | 1809 | 1886 |
| 169 Municipality | 641 | 572 | 540 | 541 | 730 | 702 | 594 | 596 | 601 | 552 | 523 | 839 | 701 | 607 | 633 |
| 170 Public Utility District | 1267 | 1131 | 1068 | 1071 | 1444 | 1389 | 1175 | 1179 | 1189 | 1092 | 1034 | 1661 | 1388 | 1202 | 1253 |
| 171 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 173 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 174 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 175 Cooperative | 1913 | 1914 | 1679 | 1554 | 1839 | 2115 | 2063 | 1955 | 1705 | 1665 | 1665 | 1721 | 1830 | 2020 | 1839 |
| 176 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 177 Federal Entities | 129 | 129 | 122 | 123 | 154 | 173 | 172 | 168 | 147 | 130 | 130 | 121 | 118 | 128 | 140 |
| 178 Municipality | 1696 | 1628 | 1684 | 1626 | 2138 | 2246 | 2177 | 2065 | 1986 | 1664 | 1635 | 1728 | 1515 | 1639 | 1843 |
| 179 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 180 Public Utility District | 3040 | 2905 | 2791 | 2875 | 3568 | 3746 | 3532 | 3307 | 3158 | 2931 | 2873 | 3420 | 3117 | 2984 | 3198 |
| 181 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 182 |
| 182 Total Power Sales Contracts | 7185 | 6983 | 6634 | 6378 | 7813 | 8393 | 8049 | 7603 | 7157 | 6740 | 6653 | 7419 | 7023 | 7268 | 7294 |

BPA Sales to Preference and Legacy Customers

Operating Year 2025 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 183 DSI Obligation | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 184 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 185 Load Following | 3267 | 3270 | 2991 | 2930 | 3507 | 3945 | 3904 | 3742 | 3253 | 3103 | 3103 | 3037 | 3130 | 3381 | 3348 |
| 186 Cooperative | 1921 | 1923 | 1687 | 1558 | 1844 | 2120 | 2069 | 1992 | 1709 | 1669 | 1669 | 1725 | 1834 | 2024 | 1846 |
| 187 Municipality | 578 | 579 | 539 | 552 | 662 | 732 | 742 | 705 | 616 | 584 | 584 | 543 | 541 | 584 | 615 |
| 188 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 189 Public Utility District | 634 | 635 | 638 | 691 | 840 | 913 | 915 | 867 | 774 | 713 | 713 | 643 | 631 | 638 | 741 |
| 190 Federal Entities | 129 | 129 | 123 | 125 | 156 | 175 | 174 | 174 | 149 | 132 | 132 | 123 | 120 | 130 | 142 |
| 191 Slice Block | 1593 | 1593 | 1665 | 1691 | 2083 | 2316 | 2344 | 2166 | 2016 | 1699 | 1699 | 1503 | 1409 | 1634 | 1842 |
| 192 Municipality | 471 | 471 | 595 | 548 | 766 | 834 | 864 | 819 | 789 | 543 | 543 | 357 | 282 | 461 | 610 |
| 193 Public Utility District | 1122 | 1122 | 1069 | 1143 | 1318 | 1482 | 1480 | 1347 | 1226 | 1156 | 1156 | 1146 | 1127 | 1174 | 1232 |
| 194 Slice Output from T1 System | 1909 | 1703 | 1608 | 1612 | 2173 | 2090 | 1768 | 1775 | 1789 | 1643 | 1556 | 2306 | 1803 | 1781 | 1843 |
| 195 Municipality | 641 | 572 | 540 | 541 | 730 | 702 | 594 | 596 | 601 | 552 | 522 | 774 | 606 | 598 | 619 |
| 196 Public Utility District | 1268 | 1131 | 1068 | 1071 | 1444 | 1388 | 1175 | 1179 | 1188 | 1091 | 1033 | 1532 | 1198 | 1183 | 1225 |
| 197 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 USBR Obligation | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 200 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 201 Cooperative | 1921 | 1923 | 1687 | 1558 | 1844 | 2120 | 2069 | 1992 | 1709 | 1669 | 1669 | 1725 | 1834 | 2024 | 1846 |
| 202 Direct Service Industry | 87.5 | 87.5 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 203 Federal Entities | 129 | 129 | 123 | 125 | 156 | 175 | 174 | 174 | 149 | 132 | 132 | 123 | 120 | 130 | 142 |
| 204 Municipality | 1690 | 1622 | 1674 | 1641 | 2157 | 2268 | 2199 | 2120 | 2006 | 1679 | 1650 | 1673 | 1429 | 1643 | 1843 |
| 205 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 206 Public Utility District | 3024 | 2889 | 2776 | 2904 | 3601 | 3783 | 3569 | 3393 | 3189 | 2961 | 2903 | 3321 | 2956 | 2995 | 3198 |
| 207 USBR | 316 | 315 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 208 Total Power Sales Contracts | 7173 | 6970 | 6618 | 6428 | 7872 | 8459 | 8116 | 7787 | 7214 | 6790 | 6703 | 7271 | 6782 | 7290 | 7304 |

BPA Sales to Preference and Legacy Customers

Operating Year 2026 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 209 DSI Obligation | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 210 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 211 Load Following | 3298 | 3270 | 3004 | 2944 | 3523 | 3962 | 3921 | 3759 | 3267 | 3117 | 3117 | 3051 | 3145 | 3397 | 3363 |
| 212 Cooperative | 1934 | 1919 | 1690 | 1564 | 1850 | 2127 | 2076 | 1999 | 1714 | 1674 | 1674 | 1730 | 1840 | 2031 | 1851 |
| 213 Municipality | 584 | 579 | 542 | 555 | 665 | 735 | 745 | 708 | 618 | 587 | 587 | 545 | 544 | 587 | 617 |
| 214 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 215 Public Utility District | 643 | 637 | 643 | 697 | 846 | 919 | 921 | 873 | 780 | 719 | 719 | 649 | 637 | 644 | 747 |
| 216 Federal Entities | 132 | 131 | 125 | 125 | 157 | 176 | 175 | 175 | 150 | 132 | 132 | 123 | 120 | 131 | 143 |
| 217 Slice Block | 1629 | 1629 | 1701 | 1653 | 2037 | 2264 | 2293 | 2118 | 1971 | 1662 | 1662 | 1470 | 1378 | 1598 | 1813 |
| 218 Municipality | 482 | 482 | 609 | 536 | 748 | 815 | 845 | 801 | 772 | 531 | 531 | 348 | 275 | 450 | 600 |
| 219 Public Utility District | 1146 | 1146 | 1092 | 1118 | 1289 | 1449 | 1448 | 1317 | 1199 | 1131 | 1131 | 1121 | 1102 | 1148 | 1213 |
| 220 Slice Output from T1 System | 1905 | 1704 | 1608 | 1613 | 2174 | 2091 | 1769 | 1776 | 1790 | 1644 | 1557 | 2500 | 2089 | 1809 | 1886 |
| 221 Municipality | 639 | 572 | 540 | 541 | 730 | 702 | 594 | 596 | 601 | 552 | 523 | 839 | 701 | 607 | 633 |
| 222 Public Utility District | 1265 | 1132 | 1068 | 1071 | 1444 | 1389 | 1175 | 1180 | 1189 | 1092 | 1034 | 1661 | 1388 | 1202 | 1253 |
| 223 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 224 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 225 USBR Obligation | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 226 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 227 Cooperative | 1934 | 1919 | 1690 | 1564 | 1850 | 2127 | 2076 | 1999 | 1714 | 1674 | 1674 | 1730 | 1840 | 2031 | 1851 |
| 228 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 229 Federal Entities | 132 | 131 | 125 | 125 | 157 | 176 | 175 | 175 | 150 | 132 | 132 | 123 | 120 | 131 | 143 |
| 230 Municipality | 1706 | 1633 | 1690 | 1632 | 2143 | 2253 | 2184 | 2105 | 1991 | 1670 | 1640 | 1733 | 1521 | 1645 | 1851 |
| 231 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 232 Public Utility District | 3055 | 2916 | 2804 | 2885 | 3579 | 3757 | 3544 | 3370 | 3168 | 2942 | 2884 | 3430 | 3127 | 2993 | 3213 |
| 233 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 234 Total Power Sales Contracts | 7231 | 7008 | 6666 | 6406 | 7843 | 8426 | 8082 | 7757 | 7185 | 6767 | 6680 | 7446 | 7051 | 7298 | 7333 |

BPA Sales to Preference and Legacy Customers

Operating Year 2027 Water Year: 1937

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 235 DSI Obligation | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 236 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 237 Load Following | 3313 | 3284 | 3018 | 2968 | 3548 | 3989 | 3932 | 3770 | 3276 | 3125 | 3125 | 3059 | 3154 | 3407 | 3377 |
| 238 Cooperative | 1940 | 1925 | 1695 | 1579 | 1867 | 2144 | 2077 | 2000 | 1714 | 1674 | 1674 | 1730 | 1840 | 2032 | 1857 |
| 239 Municipality | 587 | 581 | 544 | 556 | 667 | 738 | 747 | 710 | 620 | 589 | 589 | 546 | 546 | 589 | 619 |
| 240 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 241 Public Utility District | 649 | 643 | 649 | 702 | 852 | 925 | 927 | 879 | 786 | 725 | 725 | 655 | 643 | 650 | 752 |
| 242 Federal Entities | 133 | 132 | 125 | 126 | 158 | 177 | 176 | 176 | 151 | 133 | 133 | 124 | 121 | 132 | 144 |
| 243 Slice Block | 1593 | 1593 | 1663 | 1687 | 2078 | 2310 | 2339 | 2161 | 2009 | 1694 | 1694 | 1499 | 1405 | 1630 | 1838 |
| 244 Municipality | 471 | 471 | 595 | 542 | 757 | 824 | 855 | 810 | 780 | 535 | 535 | 350 | 275 | 454 | 603 |
| 245 Public Utility District | 1121 | 1121 | 1068 | 1146 | 1321 | 1486 | 1484 | 1351 | 1229 | 1159 | 1159 | 1149 | 1130 | 1176 | 1235 |
| 246 Slice Output from T1 System | 1905 | 1705 | 1609 | 1611 | 2173 | 2090 | 1768 | 1776 | 1789 | 1643 | 1556 | 2306 | 1804 | 1780 | 1843 |
| 247 Municipality | 640 | 572 | 540 | 541 | 730 | 702 | 594 | 596 | 601 | 552 | 522 | 774 | 606 | 598 | 619 |
| 248 Public Utility District | 1266 | 1132 | 1069 | 1070 | 1443 | 1389 | 1175 | 1179 | 1189 | 1091 | 1033 | 1531 | 1198 | 1183 | 1225 |
| 249 Tier 1 Block | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 250 Public Utility District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 251 USBR Obligation | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 252 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| Total Power Sales Contracts | | | | | | | | | | | | | | | |
| 253 Cooperative | 1940 | 1925 | 1695 | 1579 | 1867 | 2144 | 2077 | 2000 | 1714 | 1674 | 1674 | 1730 | 1840 | 2032 | 1857 |
| 254 Direct Service Industry | 87.6 | 87.3 | 87.4 | 87.9 | 87.7 | 87.7 | 87.8 | 87.5 | 87.5 | 87.9 | 87.9 | 87.4 | 87.2 | 87.2 | 87.6 |
| 255 Federal Entities | 133 | 132 | 125 | 126 | 158 | 177 | 176 | 176 | 151 | 133 | 133 | 124 | 121 | 132 | 144 |
| 256 Municipality | 1698 | 1625 | 1679 | 1639 | 2154 | 2264 | 2196 | 2117 | 2001 | 1675 | 1646 | 1670 | 1427 | 1641 | 1841 |
| 257 Other | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 | 4.11 |
| 258 Public Utility District | 3036 | 2897 | 2786 | 2918 | 3616 | 3800 | 3586 | 3408 | 3204 | 2976 | 2918 | 3335 | 2971 | 3009 | 3212 |
| 259 USBR | 313 | 318 | 266 | 108 | 21.7 | 21.3 | 11.2 | 16.3 | 69.4 | 257 | 257 | 338 | 352 | 406 | 183 |
| 260 Total Power Sales Contracts | 7211 | 6988 | 6644 | 6462 | 7909 | 8498 | 8138 | 7810 | 7231 | 6808 | 6720 | 7289 | 6802 | 7311 | 7329 |

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Exhibit 26
Regional Regulated Hydro

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 16.8 | 21.1 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.6 | 33.2 | 21.7 |
| 2 Alder Hydroelectric | 37.1 | 14.7 | 0 | 0 | 0 | 42.0 | 6.27 | 24.7 | 27.2 | 30.3 | 0 | 32.1 | 32.0 | 48.0 | 21.1 |
| 3 Bonneville | 167 | 138 | 407 | 428 | 542 | 551 | 480 | 450 | 467 | 345 | 243 | 417 | 328 | 136 | 387 |
| 4 Boundary | 164 | 149 | 204 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 787 | 420 | 334 |
| 5 Box Canyon Dam | 27.2 | 25.0 | 32.7 | 53.8 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.0 | 58.1 | 44.8 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 39.8 | 34.5 | 65.9 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 215 | 118 | 88.5 |
| 8 Chelan Lake | 56.6 | 36.4 | 14.6 | 63.1 | 24.0 | 64.2 | 59.3 | 55.9 | 21.0 | 4.00 | 3.00 | 3.00 | 60.8 | 67.0 | 40.2 |
| 9 Chief Joseph | 1399 | 1185 | 818 | 926 | 1292 | 1233 | 1034 | 858 | 846 | 868 | 1247 | 1496 | 1145 | 1052 | 1089 |
| 10 Cushman 1 | 36.2 | 30.3 | 3.24 | 2.96 | 2.90 | 18.8 | 2.52 | 6.90 | 2.61 | 2.88 | 3.07 | 23.5 | 3.12 | 23.8 | 10.7 |
| 11 Cushman 2 | 67.1 | 61.6 | 0.03 | 0.10 | 0.33 | 47.7 | 0.59 | 14.6 | 0.36 | 0.20 | 0.20 | 53.8 | 0.10 | 54.0 | 19.9 |
| 12 Diablo | 75.3 | 56.5 | 71.3 | 55.0 | 41.4 | 111 | 157 | 141 | 55.5 | 57.6 | 66.6 | 54.3 | 93.0 | 114 | 84.9 |
| 13 Dworshak | 434 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 440 | 141 |
| 14 Faraday | 6.98 | 6.50 | 6.58 | 7.03 | 5.01 | 14.6 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 67.6 | 82.5 | 65.3 | 49.3 | 127 | 167 | 150 | 69.4 | 72.7 | 81.5 | 72.7 | 118 | 131 | 98.6 |
| 16 Grand Coulee | 2526 | 2100 | 1439 | 1664 | 2330 | 2166 | 1772 | 1481 | 1463 | 1454 | 2027 | 2397 | 1956 | 1894 | 1888 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 63.4 | 63.2 | 72.9 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.6 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 726 | 618 | 648 | 691 | 926 | 917 | 774 | 712 | 774 | 760 | 789 | 973 | 849 | 636 | 779 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 32.1 | 0 | 0 | 0 | 63.3 | 10.7 | 48.4 | 58.2 | 61.9 | 0 | 51.9 | 49.4 | 63.3 | 35.3 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 9.32 | 11.5 | 13.1 | 10.8 | 20.3 | 9.15 | 13.7 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 16.6 | 19.0 |
| 25 Little Goose | 118 | 145 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 25.4 | 30.0 | 33.5 | 28.4 | 49.5 | 23.9 | 33.5 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 41.1 | 44.0 |
| 27 Lower Baker | 33.1 | 19.9 | 1.42 | 30.6 | 20.8 | 56.7 | 16.8 | 15.9 | 8.98 | 41.8 | 53.1 | 34.9 | 66.7 | 70.6 | 33.2 |
| 28 Lower Granite | 99.9 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 355 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 121 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 150 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 55.4 | 55.4 | 69.9 | 69.9 | 69.9 | 8.36 | 144 | 69.7 | 68.0 |
| 31 McNary | 346 | 292 | 443 | 469 | 597 | 591 | 504 | 463 | 481 | 437 | 439 | 594 | 478 | 315 | 474 |
| 32 Merwin | 19.7 | 17.0 | 16.7 | 26.2 | 67.8 | 124 | 25.8 | 51.1 | 66.1 | 109 | 60.5 | 28.8 | 69.9 | 41.1 | 51.7 |
| 33 Monroe Street | 7.00 | 7.22 | 9.84 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.4 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 51.9 | 40.5 | 54.2 | 47.0 | 41.7 | 0 | 289 | 123 | 95.8 |
| 35 Nine Mile | 6.15 | 6.15 | 7.82 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.3 | 10.6 |
| 36 North Fork | 7.85 | 7.32 | 7.40 | 7.90 | 5.64 | 16.4 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 55.8 | 46.0 | 93.1 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 168 | 128 |
| 38 Oak Grove | 14.5 | 20.2 | 20.0 | 28.7 | 14.1 | 25.9 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.3 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 39.6 | 42.3 | 43.6 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 8.09 | 6.54 | 9.04 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.23 |
| 42 Post Falls | 1.80 | 2.05 | 3.94 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.7 | 5.21 | 7.39 |
| 43 Priest Rapids | 428 | 401 | 329 | 383 | 520 | 517 | 439 | 361 | 349 | 347 | 378 | 501 | 464 | 329 | 414 |
| 44 River Mill | 4.45 | 4.15 | 4.20 | 4.48 | 3.20 | 9.30 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 319 | 329 | 271 | 306 | 366 | 360 | 331 | 287 | 280 | 280 | 331 | 377 | 335 | 287 | 319 |
| 46 Rocky Reach | 683 | 615 | 443 | 515 | 696 | 676 | 571 | 476 | 462 | 462 | 666 | 815 | 662 | 540 | 590 |
| 47 Ross | 53.7 | 39.5 | 65.1 | 54.6 | 47.1 | 122 | 171 | 134 | 42.3 | 42.1 | 47.8 | 34.1 | 60.3 | 97.9 | 76.4 |
| 48 Round Butte | 84.0 | 84.0 | 90.5 | 93.7 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.7 |
| 49 Swift 1 | 31.0 | 26.3 | 14.2 | 35.5 | 129 | 115 | 0.02 | 56.5 | 45.0 | 154 | 0.02 | 27.4 | 149 | 60.5 | 61.2 |
| 50 Swift 2 | 9.02 | 7.67 | 4.13 | 10.3 | 44.0 | 49.9 | 0.01 | 25.6 | 20.6 | 69.0 | 0.01 | 9.81 | 43.9 | 17.3 | 22.3 |
| 51 The Dalles | 484 | 411 | 521 | 549 | 723 | 744 | 630 | 585 | 619 | 571 | 542 | 704 | 614 | 447 | 595 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 23.6 | 16.1 | 38.2 | 10.1 | 65.7 | 3.59 | 14.9 | 0.01 | 74.9 | 43.8 | 15.7 | 103 | 65.8 | 34.9 |
| 54 Upper Falls | 4.16 | 4.33 | 6.53 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.16 | 9.32 | 7.50 |
| 55 Wanapum | 417 | 359 | 264 | 321 | 482 | 474 | 380 | 303 | 290 | 289 | 354 | 497 | 455 | 299 | 373 |
| 56 Wells | 425 | 369 | 272 | 308 | 426 | 406 | 341 | 283 | 279 | 279 | 380 | 459 | 385 | 330 | 352 |
| 57 Yale | 22.7 | 19.3 | 11.1 | 25.8 | 108 | 120 | 32.8 | 52.4 | 60.4 | 106 | 81.0 | 0 | 114 | 47.4 | 57.0 |

Regional: Regulated Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6722 | 5836 | 5245 | 5416 | 7260 | 7022 | 5910 | 5269 | 5590 | 5041 | 5989 | 8362 | 6910 | 5639 | 6208 |
| 59 Investor Owned Utilities | 1456 | 1375 | 1229 | 1512 | 1799 | 2133 | 1528 | 1538 | 1647 | 2079 | 1912 | 2449 | 2717 | 1893 | 1822 |
| 60 Marketer | 416 | 391 | 313 | 357 | 455 | 443 | 384 | 331 | 324 | 328 | 407 | 490 | 424 | 347 | 387 |
| 61 Municipality | 736 | 575 | 587 | 737 | 718 | 1306 | 889 | 901 | 665 | 515 | 657 | 1040 | 1656 | 1199 | 912 |
| 62 Public Utility District | 1296 | 1167 | 889 | 1104 | 1452 | 1452 | 1193 | 1024 | 958 | 957 | 1155 | 1491 | 1408 | 1084 | 1196 |
| 63 Total Regulated Hydro | 10626 | 9344 | 8264 | 9127 | 11684 | 12357 | 9904 | 9063 | 9184 | 8920 | 10121 | 13831 | 13115 | 10162 | 10525 |

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.7 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.6 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 6.27 | 24.7 | 27.2 | 30.3 | 0 | 32.1 | 32.0 | 48.0 | 20.5 |
| 3 Bonneville | 190 | 138 | 440 | 428 | 542 | 551 | 480 | 450 | 467 | 345 | 242 | 417 | 328 | 136 | 391 |
| 4 Boundary | 164 | 137 | 210 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 787 | 420 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.5 | 53.8 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.0 | 58.1 | 44.8 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 36.8 | 65.9 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 215 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 59.3 | 55.9 | 21.0 | 4.00 | 3.00 | 3.00 | 60.8 | 67.0 | 38.6 |
| 9 Chief Joseph | 1471 | 1201 | 911 | 926 | 1292 | 1233 | 1034 | 860 | 846 | 868 | 1245 | 1496 | 1145 | 1052 | 1100 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 2.52 | 6.90 | 2.61 | 2.88 | 3.07 | 23.5 | 3.12 | 23.8 | 9.05 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 0.59 | 14.6 | 0.36 | 0.20 | 0.20 | 53.8 | 0.10 | 54.0 | 16.8 |
| 12 Diablo | 75.3 | 48.3 | 64.0 | 55.0 | 41.4 | 111 | 157 | 141 | 55.5 | 57.6 | 66.6 | 54.3 | 93.0 | 114 | 83.9 |
| 13 Dworshak | 439 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 139 |
| 14 Faraday | 6.98 | 6.50 | 6.55 | 7.03 | 5.01 | 14.6 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 75.0 | 65.3 | 49.3 | 127 | 167 | 150 | 69.4 | 72.7 | 81.5 | 72.7 | 118 | 131 | 97.7 |
| 16 Grand Coulee | 2656 | 2123 | 1609 | 1664 | 2330 | 2166 | 1772 | 1483 | 1463 | 1454 | 2024 | 2397 | 1956 | 1894 | 1908 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 755 | 617 | 706 | 691 | 926 | 917 | 774 | 713 | 774 | 760 | 788 | 973 | 849 | 636 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 10.7 | 48.4 | 58.2 | 61.9 | 0 | 51.9 | 49.4 | 63.3 | 33.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.2 | 13.1 | 10.8 | 20.3 | 9.15 | 13.7 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 16.6 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.3 | 33.5 | 28.4 | 49.5 | 23.9 | 33.5 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 41.1 | 44.0 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 30.6 | 20.8 | 56.7 | 16.8 | 15.9 | 8.98 | 41.8 | 53.1 | 34.9 | 66.7 | 70.6 | 34.3 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 55.4 | 55.4 | 69.9 | 69.9 | 69.9 | 8.36 | 144 | 69.7 | 68.0 |
| 31 McNary | 360 | 292 | 484 | 469 | 597 | 591 | 504 | 463 | 481 | 437 | 439 | 594 | 478 | 315 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.3 | 26.2 | 67.8 | 124 | 25.8 | 51.1 | 66.1 | 109 | 60.5 | 28.8 | 69.9 | 41.1 | 51.6 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.4 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 51.9 | 40.5 | 54.2 | 47.0 | 41.7 | 0 | 289 | 123 | 95.8 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.3 | 10.6 |
| 36 North Fork | 7.85 | 7.32 | 7.37 | 7.90 | 5.64 | 16.4 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 49.8 | 93.1 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 168 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 19.8 | 28.7 | 14.1 | 25.9 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 42.9 | 43.6 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.85 | 9.04 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.7 | 5.21 | 7.38 |
| 43 Priest Rapids | 465 | 406 | 368 | 383 | 520 | 517 | 439 | 362 | 349 | 347 | 377 | 501 | 464 | 329 | 419 |
| 44 River Mill | 4.45 | 4.15 | 4.18 | 4.48 | 3.20 | 9.30 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 329 | 329 | 296 | 306 | 366 | 360 | 331 | 287 | 280 | 280 | 330 | 377 | 335 | 287 | 322 |
| 46 Rocky Reach | 714 | 614 | 496 | 515 | 696 | 676 | 571 | 477 | 462 | 462 | 665 | 815 | 662 | 540 | 596 |
| 47 Ross | 53.7 | 30.7 | 56.8 | 54.6 | 47.1 | 122 | 171 | 134 | 42.3 | 42.1 | 47.8 | 34.1 | 60.3 | 97.9 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 91.9 | 93.7 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 24.3 | 35.5 | 129 | 115 | 0.02 | 56.5 | 45.0 | 154 | 0.02 | 27.4 | 149 | 60.5 | 61.2 |
| 50 Swift 2 | 9.02 | 1.88 | 6.90 | 10.3 | 44.0 | 49.9 | 0.01 | 25.6 | 20.6 | 69.0 | 0.01 | 9.81 | 43.9 | 17.3 | 22.2 |
| 51 The Dalles | 503 | 410 | 567 | 549 | 723 | 744 | 629 | 586 | 619 | 571 | 542 | 704 | 614 | 447 | 599 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 20.8 | 38.2 | 10.1 | 65.7 | 3.59 | 14.9 | 0.01 | 74.9 | 43.8 | 15.7 | 103 | 65.8 | 34.9 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.16 | 9.32 | 7.50 |
| 55 Wanapum | 458 | 366 | 306 | 321 | 482 | 474 | 380 | 303 | 290 | 289 | 353 | 497 | 455 | 299 | 379 |
| 56 Wells | 446 | 374 | 304 | 308 | 426 | 406 | 341 | 283 | 279 | 279 | 379 | 459 | 385 | 330 | 355 |
| 57 Yale | 22.7 | 0 | 21.5 | 25.8 | 108 | 120 | 32.8 | 52.4 | 60.4 | 106 | 81.0 | 0 | 114 | 47.4 | 57.0 |

Regional: Regulated Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6992 | 5847 | 5682 | 5416 | 7260 | 7022 | 5909 | 5275 | 5589 | 5041 | 5981 | 8363 | 6910 | 5598 | 6252 |
| 59 Investor Owned Utilities | 1496 | 1308 | 1151 | 1330 | 1547 | 1893 | 1326 | 1371 | 1482 | 1913 | 1687 | 2177 | 2489 | 1698 | 1640 |
| 60 Marketer | 436 | 391 | 345 | 357 | 455 | 443 | 384 | 331 | 324 | 328 | 407 | 490 | 424 | 347 | 390 |
| 61 Municipality | 724 | 403 | 577 | 737 | 718 | 1306 | 889 | 901 | 665 | 515 | 657 | 1040 | 1656 | 1199 | 903 |
| 62 Public Utility District | 1355 | 1133 | 1185 | 1286 | 1704 | 1693 | 1395 | 1193 | 1123 | 1122 | 1378 | 1763 | 1635 | 1280 | 1397 |
| 63 Total Regulated Hydro | 11002 | 9082 | 8940 | 9127 | 11684 | 12357 | 9903 | 9072 | 9184 | 8919 | 10109 | 13833 | 13115 | 10121 | 10582 |

Regional: Regulated Hydro
Operating Year 2020 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.7 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 20.9 |
| 3 Bonneville | 190 | 138 | 440 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 394 |
| 4 Boundary | 164 | 137 | 210 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 333 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.5 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.8 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 36.8 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.4 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.7 |
| 9 Chief Joseph | 1471 | 1201 | 911 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1112 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.03 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.5 |
| 12 Diablo | 75.3 | 48.3 | 64.0 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 83.6 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.55 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 75.0 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 97.6 |
| 16 Grand Coulee | 2656 | 2123 | 1609 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1941 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 755 | 617 | 706 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 791 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.8 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.2 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.3 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.0 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.4 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 360 | 292 | 484 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 482 |
| 32 Merwin | 19.7 | 16.7 | 16.3 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 51.9 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.2 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.37 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 49.8 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 19.8 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.5 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 42.9 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 40.9 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.85 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.39 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.40 |
| 43 Priest Rapids | 465 | 406 | 368 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 424 |
| 44 River Mill | 4.45 | 4.15 | 4.18 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 329 | 329 | 296 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 324 |
| 46 Rocky Reach | 714 | 614 | 496 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 601 |
| 47 Ross | 53.7 | 30.7 | 56.8 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 73.9 |
| 48 Round Butte | 84.0 | 81.0 | 91.9 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.5 |
| 49 Swift 1 | 31.0 | 6.59 | 24.3 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 60.8 |
| 50 Swift 2 | 9.02 | 1.88 | 6.90 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.1 |
| 51 The Dalles | 503 | 410 | 567 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 605 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 20.8 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 34.9 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.53 |
| 55 Wanapum | 458 | 366 | 306 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 384 |
| 56 Wells | 446 | 374 | 304 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 359 |
| 57 Yale | 22.7 | 0 | 21.5 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 56.8 |

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Operating Year 2020 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6956 | 5847 | 5682 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8396 | 6886 | 6143 | 6314 |
| 59 Investor Owned Utilities | 1232 | 1087 | 1151 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1758 | 1623 |
| 60 Marketer | 436 | 391 | 345 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 394 |
| 61 Municipality | 724 | 403 | 577 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 901 |
| 62 Public Utility District | 1619 | 1354 | 1185 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1432 |
| 63 Total Regulated Hydro | 10966 | 9082 | 8940 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14095 | 12909 | 10945 | 10663 |

Regional: Regulated Hydro
Operating Year 2021 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8396 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1758 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14095 | 12909 | 10945 | 10600 |

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1759 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10599 |

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 355 | 245 | 91.4 | 148 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1758 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 20.9 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 333 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.8 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.4 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.7 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.03 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.5 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.7 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1920 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.8 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.0 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.4 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 51.9 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.2 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.40 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 60.9 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 34.9 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.53 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 56.9 |

Regional: Regulated Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6264 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1759 | 1620 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 904 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10596 |

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 355 | 245 | 91.4 | 148 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1758 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 356 | 245 | 91.4 | 149 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8395 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1759 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14094 | 12909 | 10945 | 10599 |

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Regulated Hydro | | | | | | | | | | | | | | | |
| 1 Albeni Falls Hydroelectric | 18.5 | 15.5 | 21.8 | 30.5 | 23.3 | 16.1 | 12.8 | 14.4 | 14.5 | 6.39 | 22.7 | 30.5 | 30.7 | 28.2 | 21.2 |
| 2 Alder Hydroelectric | 37.1 | 0 | 0 | 0 | 0 | 42.0 | 16.5 | 0.43 | 37.0 | 36.3 | 13.9 | 43.1 | 17.6 | 48.7 | 21.0 |
| 3 Bonneville | 159 | 138 | 412 | 410 | 542 | 551 | 473 | 486 | 488 | 366 | 157 | 425 | 324 | 176 | 391 |
| 4 Boundary | 164 | 137 | 211 | 357 | 347 | 267 | 199 | 230 | 233 | 77.8 | 283 | 621 | 784 | 422 | 334 |
| 5 Box Canyon Dam | 27.2 | 23.1 | 33.6 | 53.7 | 52.4 | 41.4 | 31.8 | 36.2 | 36.4 | 13.1 | 43.9 | 72.9 | 67.1 | 58.4 | 44.9 |
| 6 Brownlee | 156 | 159 | 172 | 155 | 162 | 184 | 199 | 164 | 200 | 203 | 205 | 229 | 196 | 175 | 183 |
| 7 Cabinet Gorge | 44.2 | 35.2 | 37.1 | 65.6 | 54.4 | 76.5 | 59.9 | 67.2 | 62.0 | 70.6 | 65.2 | 198 | 214 | 118 | 88.5 |
| 8 Chelan Lake | 39.1 | 2.00 | 22.2 | 63.1 | 24.0 | 64.2 | 61.9 | 21.1 | 21.0 | 4.00 | 3.00 | 52.3 | 41.2 | 66.9 | 38.8 |
| 9 Chief Joseph | 1382 | 1183 | 826 | 871 | 1292 | 1233 | 1010 | 990 | 911 | 932 | 987 | 1496 | 1142 | 1187 | 1101 |
| 10 Cushman 1 | 26.7 | 3.05 | 3.01 | 2.96 | 2.90 | 18.8 | 5.01 | 2.45 | 2.67 | 2.94 | 3.13 | 24.2 | 3.16 | 24.4 | 9.04 |
| 11 Cushman 2 | 57.3 | 0 | 0.03 | 0.10 | 0.33 | 47.7 | 8.85 | 0.49 | 0.36 | 0.20 | 0.20 | 54.5 | 0.10 | 54.7 | 16.6 |
| 12 Diablo | 75.3 | 48.3 | 78.3 | 64.3 | 41.4 | 111 | 157 | 66.2 | 72.7 | 106 | 66.6 | 81.3 | 103 | 92.4 | 84.8 |
| 13 Dworshak | 403 | 338 | 185 | 57.9 | 57.7 | 57.5 | 57.3 | 57.0 | 57.0 | 57.4 | 58.3 | 64.0 | 212 | 404 | 137 |
| 14 Faraday | 6.98 | 6.50 | 6.64 | 7.28 | 5.01 | 14.2 | 7.68 | 14.3 | 27.1 | 37.1 | 36.7 | 34.9 | 33.4 | 11.7 | 17.1 |
| 15 Gorge | 87.9 | 58.9 | 89.7 | 74.7 | 49.3 | 127 | 167 | 76.1 | 86.9 | 123 | 81.5 | 100 | 126 | 111 | 98.8 |
| 16 Grand Coulee | 2487 | 2091 | 1453 | 1562 | 2351 | 2216 | 1790 | 1752 | 1568 | 1531 | 1570 | 2397 | 1950 | 2147 | 1921 |
| 17 Hells Canyon | 124 | 129 | 143 | 130 | 133 | 148 | 161 | 133 | 162 | 160 | 168 | 190 | 161 | 137 | 149 |
| 18 Hungry Horse | 61.1 | 60.9 | 70.4 | 79.0 | 83.8 | 84.5 | 85.9 | 85.2 | 83.3 | 63.4 | 25.9 | 26.7 | 76.2 | 110 | 74.2 |
| 19 Ice Harbor | 67.5 | 67.7 | 118 | 108 | 104 | 121 | 116 | 125 | 176 | 68.2 | 66.8 | 173 | 82.9 | 67.2 | 111 |
| 20 John Day | 717 | 610 | 656 | 658 | 926 | 917 | 761 | 780 | 813 | 793 | 683 | 984 | 844 | 689 | 785 |
| 21 Kerr | 44.9 | 44.9 | 44.9 | 91.1 | 83.7 | 109 | 101 | 102 | 86.1 | 72.6 | 51.3 | 146 | 178 | 138 | 98.9 |
| 22 La Grande | 63.3 | 0 | 0 | 0 | 0 | 63.3 | 33.2 | 0.76 | 63.3 | 63.3 | 23.8 | 63.3 | 28.0 | 63.3 | 32.9 |
| 23 Libby | 188 | 187 | 185 | 93.9 | 267 | 175 | 87.8 | 87.0 | 86.2 | 85.7 | 85.7 | 447 | 389 | 171 | 189 |
| 24 Little Falls | 9.51 | 7.97 | 12.3 | 13.0 | 10.8 | 20.3 | 11.1 | 11.6 | 18.3 | 36.4 | 34.2 | 33.6 | 36.0 | 17.3 | 19.0 |
| 25 Little Goose | 118 | 139 | 129 | 108 | 105 | 120 | 118 | 111 | 169 | 156 | 186 | 338 | 260 | 147 | 159 |
| 26 Long Lake | 25.8 | 22.3 | 31.5 | 33.4 | 28.4 | 49.5 | 27.7 | 28.8 | 45.0 | 72.5 | 72.5 | 72.5 | 72.5 | 42.6 | 44.1 |
| 27 Lower Baker | 33.1 | 16.6 | 16.6 | 32.8 | 19.8 | 55.5 | 20.4 | 11.2 | 8.98 | 41.8 | 53.1 | 55.5 | 60.2 | 70.6 | 35.5 |
| 28 Lower Granite | 80.4 | 154 | 133 | 102 | 103 | 121 | 119 | 112 | 171 | 83.3 | 134 | 355 | 245 | 91.4 | 148 |
| 29 Lower Monumental | 84.5 | 106 | 124 | 111 | 106 | 124 | 119 | 129 | 182 | 85.4 | 124 | 346 | 245 | 99.2 | 149 |
| 30 Mayfield | 27.0 | 20.2 | 40.8 | 55.4 | 55.4 | 169 | 68.1 | 48.8 | 69.9 | 69.9 | 69.9 | 8.36 | 120 | 95.1 | 68.8 |
| 31 McNary | 341 | 288 | 449 | 447 | 597 | 591 | 496 | 508 | 507 | 459 | 376 | 600 | 475 | 342 | 478 |
| 32 Merwin | 19.7 | 16.7 | 16.4 | 26.9 | 69.3 | 124 | 40.8 | 31.9 | 69.6 | 109 | 60.5 | 28.8 | 64.7 | 46.8 | 52.0 |
| 33 Monroe Street | 7.00 | 6.71 | 10.1 | 10.3 | 9.12 | 11.5 | 9.53 | 8.55 | 13.1 | 14.3 | 14.3 | 14.3 | 14.3 | 12.6 | 11.2 |
| 34 Mossyrock | 50.1 | 38.4 | 71.8 | 88.4 | 88.1 | 252 | 62.7 | 32.4 | 52.4 | 46.0 | 41.0 | 0 | 224 | 180 | 95.4 |
| 35 Nine Mile | 6.15 | 5.85 | 7.99 | 8.22 | 7.37 | 9.28 | 7.46 | 7.28 | 13.4 | 17.3 | 16.5 | 16.2 | 17.2 | 10.7 | 10.7 |
| 36 North Fork | 7.85 | 7.32 | 7.47 | 8.20 | 5.64 | 16.0 | 8.64 | 16.1 | 30.5 | 47.1 | 41.3 | 47.1 | 37.6 | 13.1 | 20.2 |
| 37 Noxon Rapids | 56.2 | 49.2 | 50.2 | 92.6 | 76.1 | 109 | 84.3 | 94.7 | 87.5 | 106 | 85.1 | 299 | 326 | 169 | 128 |
| 38 Oak Grove | 21.0 | 20.2 | 20.4 | 30.8 | 14.1 | 23.1 | 17.0 | 17.7 | 24.5 | 33.7 | 33.7 | 33.7 | 33.7 | 25.0 | 24.6 |
| 39 Oxbow | 64.4 | 66.8 | 74.1 | 67.3 | 68.5 | 75.4 | 81.9 | 67.3 | 80.4 | 79.7 | 79.7 | 88.2 | 75.5 | 69.7 | 74.5 |
| 40 Pelton | 39.6 | 38.3 | 43.4 | 43.2 | 41.1 | 37.4 | 34.9 | 38.7 | 40.5 | 44.6 | 46.6 | 44.2 | 40.1 | 43.6 | 41.0 |
| 41 Pelton Rereq | 8.09 | 7.77 | 8.97 | 8.92 | 8.43 | 7.56 | 6.96 | 7.86 | 8.30 | 9.28 | 9.73 | 9.18 | 8.20 | 9.02 | 8.40 |
| 42 Post Falls | 1.80 | 1.70 | 4.09 | 4.76 | 3.87 | 5.81 | 4.62 | 3.82 | 9.03 | 16.6 | 15.0 | 13.2 | 16.6 | 5.59 | 7.41 |
| 43 Priest Rapids | 429 | 399 | 334 | 361 | 520 | 517 | 431 | 407 | 375 | 373 | 273 | 511 | 459 | 383 | 420 |
| 44 River Mill | 4.45 | 4.15 | 4.23 | 4.65 | 3.20 | 9.08 | 4.90 | 9.14 | 17.3 | 22.1 | 22.1 | 21.2 | 19.7 | 7.45 | 10.6 |
| 45 Rock Island | 316 | 326 | 274 | 292 | 366 | 360 | 327 | 316 | 296 | 297 | 291 | 381 | 333 | 301 | 322 |
| 46 Rocky Reach | 672 | 605 | 450 | 485 | 696 | 676 | 560 | 536 | 497 | 498 | 528 | 829 | 656 | 604 | 596 |
| 47 Ross | 53.7 | 30.7 | 73.3 | 64.5 | 46.5 | 121 | 168 | 61.1 | 60.2 | 86.0 | 48.5 | 58.4 | 70.5 | 69.1 | 75.3 |
| 48 Round Butte | 84.0 | 81.0 | 93.0 | 92.4 | 86.8 | 77.5 | 71.6 | 80.5 | 84.9 | 94.9 | 100 | 94.6 | 84.8 | 93.4 | 86.6 |
| 49 Swift 1 | 31.0 | 6.59 | 26.5 | 44.1 | 117 | 115 | 25.4 | 25.5 | 45.3 | 154 | 0.02 | 27.4 | 143 | 67.8 | 61.0 |
| 50 Swift 2 | 9.02 | 1.88 | 7.56 | 13.1 | 40.9 | 49.9 | 12.1 | 12.1 | 20.7 | 69.0 | 0.01 | 9.81 | 41.5 | 19.2 | 22.2 |
| 51 The Dalles | 477 | 405 | 527 | 523 | 723 | 744 | 619 | 639 | 649 | 597 | 470 | 711 | 610 | 484 | 600 |
| 52 Thompson Falls | 30.5 | 29.3 | 29.1 | 42.2 | 40.5 | 46.5 | 42.0 | 45.3 | 44.0 | 39.9 | 38.3 | 83.3 | 79.6 | 62.0 | 48.7 |
| 53 Upper Baker | 29.8 | 14.7 | 21.4 | 39.5 | 8.11 | 65.7 | 8.61 | 9.17 | 0.01 | 74.9 | 43.8 | 31.4 | 87.7 | 65.8 | 35.0 |
| 54 Upper Falls | 4.16 | 3.94 | 6.74 | 6.96 | 5.91 | 8.34 | 6.27 | 5.41 | 10.2 | 9.38 | 8.68 | 8.44 | 9.17 | 9.81 | 7.54 |
| 55 Wanapum | 417 | 358 | 272 | 299 | 482 | 474 | 370 | 348 | 317 | 315 | 235 | 509 | 449 | 362 | 379 |
| 56 Wells | 420 | 369 | 275 | 289 | 426 | 406 | 334 | 326 | 300 | 301 | 301 | 459 | 384 | 371 | 356 |
| 57 Yale | 22.7 | 0 | 23.4 | 33.6 | 96.1 | 120 | 52.8 | 32.0 | 60.5 | 106 | 81.0 | 0 | 108 | 53.6 | 57.0 |

Regional: Regulated Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Total Regulated Hydro | | | | | | | | | | | | | | | |
| 58 Federal Entities | 6584 | 5782 | 5290 | 5160 | 7281 | 7072 | 5865 | 5875 | 5874 | 5284 | 4946 | 8394 | 6886 | 6143 | 6265 |
| 59 Investor Owned Utilities | 1207 | 1082 | 1132 | 1334 | 1523 | 1888 | 1397 | 1316 | 1506 | 1934 | 1611 | 2221 | 2444 | 1758 | 1621 |
| 60 Marketer | 412 | 386 | 319 | 339 | 455 | 443 | 377 | 366 | 344 | 349 | 332 | 497 | 421 | 382 | 391 |
| 61 Municipality | 716 | 401 | 617 | 761 | 717 | 1304 | 951 | 582 | 736 | 668 | 674 | 1145 | 1557 | 1226 | 905 |
| 62 Public Utility District | 1519 | 1334 | 1080 | 1220 | 1700 | 1693 | 1381 | 1290 | 1203 | 1202 | 1072 | 1836 | 1602 | 1436 | 1418 |
| 63 Total Regulated Hydro | 10438 | 8984 | 8438 | 8815 | 11676 | 12400 | 9971 | 9430 | 9664 | 9436 | 8636 | 14093 | 12909 | 10945 | 10599 |

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Exhibit 27
Regional Independent Hydro

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 9.28 | 33.2 | 39.6 | 44.7 | 45.1 | 52.1 | 78.0 | 82.0 | 82.0 | 28.3 | 20.7 | 0 | 35.9 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 513 | 488 | 451 | 500 | 452 | 508 | 556 | 685 | 691 | 626 | 616 | 539 | 537 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1053 |

Regional: Independent Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 9.28 | 33.2 | 39.6 | 44.7 | 45.1 | 52.1 | 78.0 | 82.0 | 82.0 | 28.3 | 20.7 | 0 | 35.9 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 513 | 488 | 451 | 500 | 452 | 508 | 556 | 685 | 691 | 626 | 616 | 539 | 537 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1053 |

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
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S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.65 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.0 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.61 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.2 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.27 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.83 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.30 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.8 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 42.9 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 9.28 | 33.2 | 39.6 | 44.7 | 45.1 | 52.1 | 78.0 | 82.0 | 82.0 | 28.3 | 20.7 | 0 | 36.0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.92 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.44 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.2 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 29.9 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.44 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.0 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.87 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.97 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.54 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.21 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.45 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.27 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.73 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.39 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.21 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 513 | 488 | 451 | 500 | 452 | 508 | 556 | 685 | 691 | 626 | 616 | 539 | 536 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 73.9 |
| 89 Total Independent Hydro | 991 | 988 | 959 | 910 | 817 | 854 | 723 | 779 | 969 | 1311 | 1330 | 1600 | 1574 | 1127 | 1052 |

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 9.28 | 33.2 | 39.6 | 44.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.6 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 513 | 488 | 451 | 500 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 511 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 959 | 910 | 817 | 854 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1027 |

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 501 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 501 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.65 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.0 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.61 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.2 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.27 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.83 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.30 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.8 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 42.9 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.92 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.44 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.2 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 29.9 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.44 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.0 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.87 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.97 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.54 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.21 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.45 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.27 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.73 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.39 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.21 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 500 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 73.9 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1016 |

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 501 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 501 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------|------|-------|------|-------|------|------|-------|------|-------|------|-------|------|------|------|------|
| Independent Hydro | | | | | | | | | | | | | | | |
| 1 American Falls Hydroelectric | 47.7 | 47.7 | 49.5 | 44.9 | 39.1 | 38.5 | 36.3 | 40.5 | 37.7 | 48.3 | 48.3 | 44.2 | 44.7 | 46.9 | 43.2 |
| 2 Anderson Ranch | 28.8 | 28.8 | 9.23 | 4.19 | 4.36 | 4.27 | 4.31 | 4.76 | 4.31 | 9.41 | 9.41 | 11.8 | 37.0 | 33.2 | 13.0 |
| 3 Arrowrock Hydro | 13.0 | 12.0 | 3.80 | 2.40 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.40 | 2.40 | 13.0 | 12.0 | 12.0 | 5.83 |
| 4 Ashton | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 |
| 5 Bend Power Dam | 0.56 | 0.56 | 0.52 | 0.34 | 0.24 | 0.30 | 0.32 | 0.34 | 0.40 | 0.48 | 0.48 | 0.63 | 0.63 | 0.63 | 0.45 |
| 6 Big Cliff | 6.00 | 6.00 | 9.00 | 8.00 | 13.0 | 6.00 | 4.00 | 6.00 | 7.00 | 9.00 | 11.0 | 20.0 | 20.0 | 7.00 | 9.66 |
| 7 Big Fork | 2.92 | 2.92 | 2.28 | 1.61 | 2.23 | 2.44 | 2.40 | 2.41 | 2.74 | 3.22 | 3.22 | 3.42 | 3.45 | 3.39 | 2.71 |
| 8 Black Canyon | 8.53 | 8.53 | 8.53 | 5.45 | 3.61 | 2.98 | 3.27 | 3.53 | 4.19 | 8.53 | 8.53 | 8.53 | 8.53 | 8.53 | 6.19 |
| 9 Bliss | 38.7 | 38.7 | 40.2 | 36.4 | 31.7 | 31.3 | 29.4 | 32.9 | 30.6 | 39.2 | 39.2 | 35.9 | 36.3 | 38.1 | 35.1 |
| 10 Boise River Diversion | 1.83 | 1.83 | 2.47 | 0.73 | 0 | 0 | 0 | 0 | 0 | 0.87 | 0.87 | 2.50 | 2.50 | 2.50 | 1.12 |
| 11 Calispel Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.30 | 0.31 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.30 | 0.30 |
| 12 Carmen-Smith | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 | 17.0 |
| 13 Cascade | 11.2 | 11.2 | 10.4 | 8.97 | 8.88 | 8.80 | 8.67 | 8.64 | 8.45 | 7.96 | 7.96 | 7.66 | 7.55 | 8.97 | 8.84 |
| 14 Cedar Falls | 3.18 | 1.96 | 2.24 | 1.96 | 1.21 | 8.50 | 9.25 | 10.2 | 15.1 | 9.81 | 12.2 | 14.5 | 27.9 | 4.39 | 9.04 |
| 15 Chandler | 2.21 | 2.21 | 2.00 | 5.70 | 7.34 | 3.38 | 5.51 | 7.47 | 9.80 | 6.06 | 6.06 | 5.97 | 5.80 | 6.09 | 5.60 |
| 16 CJ Strike | 42.7 | 42.7 | 44.4 | 40.2 | 35.0 | 34.5 | 32.5 | 36.3 | 33.8 | 43.3 | 43.3 | 39.6 | 40.1 | 42.0 | 38.7 |
| 17 Clear Lake | 2.25 | 2.25 | 2.09 | 1.81 | 1.79 | 1.77 | 1.75 | 1.74 | 1.70 | 1.60 | 1.60 | 1.54 | 1.52 | 1.81 | 1.78 |
| 18 Cougar | 23.0 | 22.0 | 16.0 | 27.0 | 23.0 | 9.00 | 6.00 | 8.00 | 10.00 | 29.0 | 29.0 | 29.0 | 29.0 | 17.0 | 18.8 |
| 19 Cowlitz Falls | 11.9 | 8.50 | 7.90 | 6.20 | 3.10 | 23.1 | 10.00 | 13.7 | 33.3 | 46.1 | 50.3 | 63.6 | 66.3 | 28.9 | 26.2 |
| 20 Detroit | 11.7 | 11.5 | 20.2 | 44.9 | 47.5 | 20.9 | 21.7 | 17.7 | 25.3 | 34.6 | 37.2 | 102 | 37.9 | 13.0 | 33.3 |
| 21 Dexter | 5.00 | 7.00 | 6.00 | 12.0 | 16.0 | 4.00 | 3.00 | 5.00 | 5.00 | 12.0 | 17.0 | 17.0 | 17.0 | 6.00 | 9.29 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.39 | 0.70 | 0.68 | 0.91 | 0.56 | 0.69 | 0.69 | 0.47 | 0 | 0 | 0.36 |
| 23 Electron | 11.2 | 10.2 | 10.3 | 9.05 | 5.90 | 17.8 | 8.47 | 12.3 | 18.9 | 19.8 | 21.7 | 21.7 | 21.8 | 17.2 | 14.6 |
| 24 Felt Hydro Project | 3.60 | 3.60 | 3.77 | 3.53 | 3.64 | 3.05 | 2.51 | 2.73 | 3.40 | 3.38 | 3.38 | 5.12 | 6.46 | 4.81 | 3.84 |
| 25 Foster | 6.00 | 6.00 | 12.0 | 10.00 | 7.00 | 9.00 | 4.00 | 9.00 | 21.0 | 19.0 | 18.0 | 21.0 | 23.0 | 6.00 | 12.2 |
| 26 Gem State Hydro | 0 | 0 | 15.0 | 10.1 | 10.7 | 10.5 | 11.6 | 13.0 | 14.0 | 15.2 | 15.2 | 0 | 0 | 0 | 8.28 |
| 27 Grace | 27.5 | 25.8 | 22.5 | 19.3 | 20.0 | 19.3 | 19.3 | 21.4 | 21.8 | 27.5 | 27.5 | 26.6 | 27.5 | 26.6 | 23.2 |
| 28 Green Peter | 15.0 | 15.0 | 29.0 | 18.0 | 16.0 | 18.0 | 8.00 | 0 | 33.0 | 88.0 | 45.0 | 58.0 | 49.0 | 11.0 | 26.9 |
| 29 Green Springs | 7.94 | 7.94 | 6.90 | 5.02 | 5.95 | 6.34 | 6.94 | 6.74 | 7.97 | 8.26 | 8.26 | 8.78 | 8.98 | 8.01 | 7.32 |
| 30 Helloaring | 0.21 | 0.21 | 0.19 | 0.17 | 0.17 | 0.14 | 0.15 | 0.22 | 0.32 | 0.38 | 0.38 | 0.26 | 0.22 | 0.19 | 0.22 |
| 31 Henry M Jackson | 18.4 | 18.4 | 20.0 | 21.1 | 18.6 | 79.7 | 32.9 | 15.6 | 41.6 | 64.6 | 64.6 | 73.5 | 81.8 | 45.9 | 43.0 |
| 32 Hills Creek | 9.00 | 9.00 | 23.0 | 23.0 | 27.0 | 5.00 | 4.00 | 6.00 | 7.00 | 20.0 | 31.0 | 35.0 | 35.0 | 14.0 | 17.8 |
| 33 Hood Street | 0.10 | 0.10 | 0.30 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.32 |
| 34 Idaho Falls - City Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 35 Idaho Falls - Lower Plant #1 | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 36 Idaho Falls - Lower Plant #2 | 1.08 | 1.08 | 1.18 | 1.47 | 1.83 | 2.39 | 2.47 | 2.30 | 1.61 | 1.10 | 1.10 | 0.74 | 1.09 | 1.39 | 1.55 |
| 37 Idaho Falls - Upper Plant | 2.89 | 2.89 | 3.14 | 3.91 | 4.88 | 6.39 | 6.59 | 6.13 | 4.28 | 2.92 | 2.92 | 1.99 | 2.92 | 3.70 | 4.14 |
| 38 Island Park | 3.19 | 3.19 | 1.80 | 1.45 | 1.47 | 1.46 | 1.71 | 1.89 | 1.76 | 1.79 | 1.79 | 3.26 | 3.92 | 3.81 | 2.30 |
| 39 John Boyle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Lake Creek (MT) | 2.00 | 2.00 | 1.38 | 1.46 | 2.00 | 2.02 | 2.08 | 2.39 | 3.03 | 4.68 | 4.68 | 5.30 | 5.08 | 3.68 | 2.93 |
| 41 Last Chance | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| 42 Leaburg | 5.70 | 4.10 | 3.60 | 0 | 0 | 7.10 | 4.00 | 11.7 | 11.7 | 11.7 | 11.7 | 11.7 | 13.0 | 10.2 | 7.43 |
| 43 Lookout Point | 21.0 | 26.0 | 22.0 | 45.0 | 47.0 | 9.00 | 8.00 | 12.0 | 15.0 | 45.0 | 74.0 | 85.0 | 73.0 | 24.0 | 35.3 |
| 44 Lost Creek | 44.0 | 39.0 | 23.0 | 37.0 | 19.0 | 19.0 | 18.0 | 13.0 | 14.0 | 15.0 | 16.0 | 56.0 | 56.0 | 46.0 | 30.0 |
| 45 Lower Malad | 12.2 | 12.2 | 11.3 | 9.76 | 9.67 | 9.58 | 9.44 | 9.41 | 9.20 | 8.66 | 8.66 | 8.34 | 8.22 | 9.76 | 9.63 |
| 46 Lower Salmon Falls | 31.0 | 31.0 | 32.2 | 29.1 | 25.4 | 25.0 | 23.5 | 26.3 | 24.5 | 31.3 | 31.3 | 28.7 | 29.0 | 30.5 | 28.0 |
| 47 McNary Fishway | 8.83 | 8.83 | 9.36 | 9.42 | 8.75 | 8.00 | 5.91 | 5.89 | 8.41 | 9.43 | 9.43 | 9.27 | 8.59 | 9.31 | 8.45 |
| 48 Mill Creek (WA) | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 49 Milner Hydro | 30.6 | 30.6 | 31.8 | 28.8 | 25.1 | 24.8 | 23.3 | 26.1 | 24.2 | 31.0 | 31.0 | 28.4 | 28.7 | 30.2 | 27.8 |
| 50 Minidoka | 20.7 | 20.7 | 15.2 | 6.48 | 2.39 | 2.32 | 2.32 | 2.57 | 2.32 | 10.3 | 10.3 | 24.6 | 22.7 | 21.7 | 11.2 |
| 51 Moyie River | 1.10 | 1.10 | 0.92 | 1.33 | 1.32 | 0.63 | 0.47 | 0.81 | 1.59 | 2.71 | 2.71 | 4.39 | 4.34 | 2.95 | 1.88 |
| 52 Newhalem | 0.22 | 0.14 | 0.16 | 0.14 | 0.09 | 0.60 | 0.65 | 0.71 | 1.06 | 0.69 | 0.86 | 1.01 | 1.95 | 0.31 | 0.63 |
| 53 North Umpqua | 79.7 | 79.7 | 76.2 | 72.8 | 70.2 | 73.7 | 70.2 | 78.8 | 81.4 | 121 | 121 | 146 | 139 | 91.7 | 91.7 |
| 54 Oneida | 7.46 | 7.00 | 6.11 | 5.25 | 5.42 | 5.25 | 5.25 | 5.81 | 5.92 | 7.46 | 7.46 | 7.22 | 7.46 | 7.22 | 6.30 |
| 55 Packwood Lake | 7.80 | 20.7 | 3.87 | 3.03 | 1.63 | 4.65 | 2.65 | 3.24 | 5.36 | 9.72 | 9.72 | 24.1 | 44.9 | 24.8 | 11.9 |
| 56 Palisades | 118 | 118 | 105 | 45.5 | 11.3 | 11.2 | 11.4 | 12.8 | 28.2 | 51.7 | 51.7 | 152 | 151 | 127 | 69.2 |
| 57 Paris | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 58 Reeder Gulch | 0.40 | 0.15 | 0.15 | 0.10 | 0.11 | 0.08 | 0.12 | 0.13 | 0.18 | 0.18 | 0.21 | 0.21 | 0.23 | 0.23 | 0.17 |

Regional: Independent Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 Roque | 32.7 | 32.7 | 30.0 | 27.0 | 26.2 | 28.4 | 24.9 | 26.8 | 40.3 | 50.0 | 50.0 | 50.6 | 50.6 | 41.6 | 35.8 |
| 60 Roza | 10.6 | 10.6 | 3.46 | 4.08 | 1.15 | 4.09 | 2.59 | 3.12 | 9.41 | 11.4 | 11.4 | 10.8 | 10.9 | 10.6 | 6.88 |
| 61 Shoshone Falls | 6.45 | 6.45 | 6.70 | 6.07 | 5.29 | 5.21 | 4.91 | 5.49 | 5.10 | 6.53 | 6.53 | 5.98 | 6.05 | 6.35 | 5.84 |
| 62 Smith Creek (Idaho) | 0 | 0 | 0.05 | 1.71 | 1.20 | 0.48 | 0.03 | 0.68 | 0.93 | 11.3 | 11.3 | 35.7 | 27.7 | 3.85 | 6.99 |
| 63 Snoqualmie Falls | 23.6 | 21.7 | 21.9 | 19.2 | 12.5 | 37.7 | 17.9 | 26.1 | 39.9 | 41.9 | 45.8 | 46.1 | 46.1 | 36.4 | 30.9 |
| 64 Soda Creek 4 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| 65 Soda Creek No 5 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| 66 Soda Point | 3.56 | 3.33 | 2.91 | 2.50 | 2.58 | 2.50 | 2.50 | 2.77 | 2.82 | 3.56 | 3.56 | 3.44 | 3.55 | 3.44 | 3.00 |
| 67 South Fork Tolt | 9.01 | 9.01 | 6.45 | 5.48 | 5.51 | 5.56 | 5.59 | 5.63 | 5.62 | 5.65 | 5.65 | 6.63 | 7.93 | 9.40 | 6.55 |
| 68 Stone Creek | 6.50 | 4.30 | 8.70 | 2.20 | 0.80 | 2.50 | 8.50 | 3.50 | 6.30 | 10.4 | 10.4 | 8.30 | 10.4 | 7.60 | 6.22 |
| 69 Strawberry Creek (WY) | 1.35 | 1.35 | 1.12 | 0.96 | 0.86 | 0.78 | 0.70 | 0.68 | 0.63 | 0.80 | 0.80 | 1.37 | 1.58 | 1.51 | 1.03 |
| 70 Swan Falls | 12.9 | 12.9 | 13.4 | 12.1 | 10.6 | 10.4 | 9.81 | 11.0 | 10.2 | 13.1 | 13.1 | 12.0 | 12.1 | 12.7 | 11.7 |
| 71 Swift Creek Hydro | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| 72 The Dalles North Fishway | 4.93 | 4.93 | 4.95 | 5.01 | 5.02 | 3.43 | 3.20 | 3.11 | 4.73 | 4.82 | 4.82 | 4.71 | 4.67 | 4.85 | 4.46 |
| 73 Thousand Springs | 7.93 | 7.93 | 7.35 | 6.36 | 6.31 | 6.25 | 6.15 | 6.13 | 6.00 | 5.65 | 5.65 | 5.43 | 5.36 | 6.36 | 6.28 |
| 74 Trail Bridge | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.60 | 3.80 | 3.80 | 3.80 | 3.80 | 2.50 | 3.80 | 3.68 |
| 75 TW Sullivan | 12.5 | 11.1 | 12.5 | 11.1 | 10.7 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 14.1 |
| 76 Twin Falls (ID) | 27.2 | 27.2 | 28.3 | 25.6 | 22.3 | 22.0 | 20.7 | 23.1 | 21.5 | 27.5 | 27.5 | 25.2 | 25.5 | 26.8 | 24.6 |
| 77 Upper Malad | 7.48 | 7.48 | 6.93 | 6.00 | 5.95 | 5.89 | 5.80 | 5.78 | 5.65 | 5.33 | 5.33 | 5.13 | 5.05 | 6.00 | 5.92 |
| 78 Upper Salmon A | 9.29 | 9.29 | 9.65 | 8.74 | 7.61 | 7.50 | 7.06 | 7.90 | 7.34 | 9.40 | 9.40 | 8.61 | 8.71 | 9.14 | 8.41 |
| 79 Upper Salmon B | 8.51 | 8.51 | 8.85 | 8.01 | 6.98 | 6.88 | 6.48 | 7.24 | 6.73 | 8.62 | 8.62 | 7.89 | 7.98 | 8.38 | 7.71 |
| 80 Wallowa Falls | 0.47 | 0.47 | 0.51 | 0.45 | 0.43 | 0.47 | 0.45 | 0.43 | 0.49 | 0.46 | 0.46 | 0.60 | 0.71 | 0.60 | 0.51 |
| 81 Walterville | 4.00 | 3.10 | 2.90 | 0 | 0 | 5.00 | 3.10 | 8.70 | 9.50 | 9.50 | 9.50 | 9.50 | 9.50 | 7.70 | 5.72 |
| 82 Wynoochee Dam | 1.17 | 1.17 | 2.06 | 3.62 | 6.40 | 7.46 | 7.98 | 5.67 | 3.93 | 0.84 | 0.84 | 0.01 | 0.01 | 1.49 | 3.38 |
| 83 Yelm | 9.36 | 9.36 | 8.91 | 10.3 | 7.33 | 4.97 | 4.51 | 5.90 | 6.20 | 7.59 | 7.59 | 6.20 | 7.28 | 7.94 | 7.22 |
| Total Independent Hydro | | | | | | | | | | | | | | | |
| 84 Cooperative | 7.41 | 7.41 | 5.16 | 4.74 | 5.20 | 5.12 | 5.35 | 5.82 | 6.29 | 8.14 | 8.14 | 10.8 | 11.5 | 9.87 | 7.12 |
| 85 Federal Entities | 351 | 349 | 321 | 308 | 255 | 158 | 123 | 132 | 237 | 425 | 435 | 712 | 654 | 391 | 340 |
| 86 Investor Owned Utilities | 507 | 501 | 504 | 455 | 412 | 455 | 406 | 456 | 478 | 603 | 609 | 598 | 595 | 539 | 501 |
| 87 Municipality | 71.8 | 65.5 | 77.5 | 67.9 | 68.6 | 92.5 | 95.2 | 104 | 107 | 102 | 105 | 126 | 140 | 90.2 | 95.0 |
| 88 Public Utility District | 53.3 | 65.2 | 42.3 | 41.3 | 36.6 | 98.5 | 47.4 | 30.6 | 62.9 | 91.5 | 91.5 | 125 | 152 | 97.2 | 74.0 |
| 89 Total Independent Hydro | 991 | 988 | 950 | 877 | 777 | 809 | 678 | 727 | 891 | 1229 | 1248 | 1572 | 1553 | 1127 | 1017 |

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Exhibit 28
Regional Small Hydro

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.16 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.31 | 0.31 | 0.38 | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2018 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 17.9 | 17.9 | 13.2 | 11.7 | 8.67 | 8.11 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 15.4 |
| 195 Total Small Hydro | 327 | 325 | 245 | 164 | 133 | 125 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 248 |

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 8.26 | 4.33 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.94 | 0.91 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

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|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.31 | 0.31 | 0.38 | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 18.7 | 7.69 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2019 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 109 | 131 | 170 | 176 | 215 | 213 | 202 | 149 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 120 | 129 | 163 | 282 | 288 | 412 | 430 | 424 | 248 |

Regional: Small Hydro
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.56 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.18 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.40 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.13 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.47 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 1.00 | 0.80 | 0.43 | 0.33 | 0.27 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.82 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.90 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.23 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.02 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.44 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.37 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.33 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.55 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.80 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.16 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.81 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.71 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.82 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.28 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.31 | 0.31 | 0.38 | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.70 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.60 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.41 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.1 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.43 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.23 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.56 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2020 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.13 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.24 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 164 | 134 | 108 | 116 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 149 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 76.9 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.2 |
| 195 Total Small Hydro | 329 | 326 | 243 | 164 | 134 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 248 |

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.31 | 0.31 | 0.38 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.35 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2021 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2022 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | 0.95 |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2023 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.56 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.80 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.40 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.13 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.47 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.90 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.23 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.02 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.44 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.37 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.33 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.55 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.80 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.16 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.81 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.71 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.82 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.28 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.70 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.60 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.41 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.1 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.43 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.23 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.56 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2024 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.13 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.24 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 76.9 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.2 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

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|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | 0.95 |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

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|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2025 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | 0.95 |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Sygitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2026 Water Year: 1937
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

Regional: Small Hydro
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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Small Hydro | | | | | | | | | | | | | | | |
| 1 Albany-Millersburg Hydroelectric | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 2 Amy Ranch | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| 3 Arena Drop | 0.31 | 0.31 | 0.31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.16 |
| 4 Barber Dam | 2.38 | 2.38 | 1.93 | 0.84 | 0.31 | 0.97 | 2.16 | 2.64 | 3.28 | 3.22 | 3.22 | 3.14 | 3.24 | 3.28 | 2.28 |
| 5 Barney Creek | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 6 Beaverton | 0 | 0 | 0 | 0.02 | 0.05 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 | 0.05 | 0 | 0 | 0.02 |
| 7 Bell Mountain | 0.12 | 0.12 | 0.10 | 0.21 | 0.05 | 0.12 | 0.10 | 0.13 | 0.13 | 0.11 | 0.11 | 0.13 | 0.19 | 0.13 | 0.13 |
| 8 Big Elk Creek YMCA Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Big Sheep Creek | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 | 1.60 |
| 10 Biqq's Creek (Pickering Micro) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Billingsley Creek | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 12 Birch Creek Diversion Dam | 0.04 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 |
| 13 Birch Creek (Gooding, ID) | 1.25 | 1.25 | 1.11 | 1.00 | 1.14 | 1.10 | 0.31 | 1.19 | 1.73 | 1.63 | 1.63 | 1.60 | 1.34 | 1.19 | 1.21 |
| 14 Black Canyon #3 | 0.11 | 0.11 | 0.06 | 0.05 | 0.06 | 0 | 0 | 0 | 0.09 | 0.09 | 0.09 | 0.09 | 0.11 | 0.11 | 0.06 |
| 15 Black Creek | 3.08 | 3.08 | 2.78 | 1.85 | 2.78 | 2.78 | 3.39 | 3.39 | 3.08 | 3.70 | 3.39 | 3.08 | 3.08 | 2.78 | 2.96 |
| 16 Blind Canyon | 0.73 | 0.73 | 1.09 | 0.89 | 0.15 | 0 | 0 | 0 | 0 | 0.57 | 0.57 | 1.61 | 0.97 | 0.73 | 0.57 |
| 17 Boulder Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Box Canyon Springs | 0.42 | 0.42 | 0.40 | 0.39 | 0.40 | 0.31 | 0.31 | 0.34 | 0.28 | 0.29 | 0.29 | 0.28 | 0.43 | 0.42 | 0.36 |
| 19 Briggs Creek | 0.59 | 0.59 | 0.61 | 0.59 | 0.61 | 0.59 | 0.59 | 0.65 | 0.59 | 0.61 | 0.61 | 0.59 | 0.61 | 0.59 | 0.60 |
| 20 Briggs Project | 0.20 | 0.20 | 0.12 | 0.21 | 0.21 | 0.22 | 0.13 | 0.20 | 0.22 | 0.13 | 0.13 | 0.20 | 0.19 | 0.12 | 0.18 |
| 21 Broadwater | 1.11 | 1.13 | 1.55 | 1.91 | 2.06 | 1.64 | 1.58 | 1.74 | 1.80 | 2.76 | 2.70 | 3.22 | 2.74 | 1.99 | 2.01 |
| 22 Buffalo Hydro | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 23 Burr & Bouchard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Burton Creek | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 25 Bypass | 8.26 | 8.26 | 6.54 | 2.82 | 0.99 | 0 | 0 | 0 | 0.06 | 2.94 | 2.94 | 7.01 | 8.16 | 8.68 | 3.81 |
| 26 Calligan Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 27 Canyon Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 28 Canyon Springs | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.10 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 29 Carlton | 0 | 0 | 0 | 0 | 0.01 | 0.05 | 0.08 | 0.08 | 0.06 | 0.08 | 0.08 | 0.04 | 0.02 | 0 | 0.04 |
| 30 Cascade Creek | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 31 C-Drop Hydro | 1.09 | 0.78 | 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.53 | 0.53 | 1.09 | 1.09 | 1.09 | 0.41 |
| 32 Cedar Draw Creek | 0.30 | 0.30 | 0.92 | 0.89 | 0.92 | 1.16 | 1.16 | 1.28 | 0.42 | 0.43 | 0.43 | 0.42 | 0.31 | 0.30 | 0.71 |
| 33 Central Oregon Siphon | 3.10 | 3.10 | 3.71 | 3.47 | 0.02 | 0.69 | 0 | 0.40 | 0.87 | 0.83 | 0.83 | 4.47 | 3.83 | 4.09 | 2.14 |
| 34 Cereghino | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 |
| 35 Chester Hydroelectric Plant | 0.25 | 0.25 | 0.25 | 0.12 | 0.32 | 0.70 | 0.52 | 0.59 | 0.52 | 0.74 | 0.74 | 1.00 | 1.06 | 0.40 | 0.54 |
| 36 Clear Springs Trout | 0.43 | 0.43 | 0.44 | 0.52 | 0.60 | 0.56 | 0.41 | 0.47 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.43 | 0.44 |
| 37 Company Creek | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 38 Cornelius | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 Cowiche | 0.80 | 0.80 | 0.80 | 0.80 | 0 | 0 | 0 | 0 | 0 | 0 | 0.80 | 0.80 | 0.80 | 0.80 | 0.44 |
| 40 Crystal Springs | 1.34 | 1.34 | 1.56 | 1.51 | 1.56 | 0.54 | 0.54 | 0.59 | 0.83 | 0.86 | 0.86 | 0.83 | 1.38 | 1.34 | 1.07 |
| 41 Curry Cattle Co. | 0.21 | 0.21 | 0.22 | 0.14 | 0.08 | 0.05 | 0.04 | 0.04 | 0.07 | 0.09 | 0.09 | 0.18 | 0.20 | 0.18 | 0.12 |
| 42 Curtiss Livestock | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 |
| 43 Cushman North Fork | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 44 D. Wiggins | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Deep Creek | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.02 | 0.03 | 0.02 | 0.01 |
| 46 Denny Creek | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 47 Dietrich Drop | 4.67 | 4.67 | 3.56 | 3.09 | 1.37 | 0 | 0 | 0 | 0 | 3.09 | 3.09 | 4.67 | 4.67 | 4.52 | 2.48 |
| 48 Donald Jenni | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | 0.08 | 0.07 | 0.07 | 0.07 |
| 49 Dry Creek | 0.94 | 0.94 | 1.00 | 0.80 | 0.43 | 0 | 0.33 | 0.27 | 0.37 | 0.41 | 0.41 | 0.90 | 2.66 | 2.09 | 0.85 |
| 50 Dworshak-Clearwater Hatchery | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| 51 Ebey Hill (Kevin Duncan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Elk Creek | 1.19 | 1.19 | 0.01 | 0.01 | 0.01 | 0.10 | 0.10 | 0.11 | 1.00 | 1.04 | 1.04 | 1.00 | 1.23 | 1.19 | 0.59 |
| 53 Etopia Branch Canal 4.6 | 1.80 | 1.80 | 1.20 | 0.60 | 0 | 0 | 0 | 0 | 0 | 1.40 | 1.40 | 2.00 | 2.00 | 2.20 | 0.94 |
| 54 Esquatzel Small Hydro | 0.90 | 0.90 | 0.80 | 0.80 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.70 | 0.70 | 0.70 | 0.80 | 0.90 | 0.72 |
| 55 Falls Creek (Or) | 0 | 0 | 0 | 0 | 1.88 | 3.08 | 0.91 | 2.72 | 2.66 | 4.35 | 4.35 | 4.11 | 3.82 | 0 | 1.95 |
| 56 Falls Creek (Wa) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 57 Falls River Hydro | 6.46 | 6.46 | 6.29 | 5.72 | 5.58 | 4.96 | 4.18 | 3.75 | 3.79 | 6.22 | 6.22 | 7.91 | 8.55 | 7.08 | 5.88 |
| 58 Farmers Irr Dist Proj No 2 | 0.35 | 0.35 | 0.45 | 0.77 | 2.02 | 2.00 | 1.34 | 2.88 | 2.04 | 2.19 | 2.19 | 2.96 | 0.52 | 0.45 | 1.49 |

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|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 59 Farmers Irr Dist Proj No 3 | 0.21 | 0.21 | 0.27 | 0.46 | 1.21 | 1.20 | 0.81 | 1.73 | 1.22 | 1.32 | 1.32 | 1.77 | 0.31 | 0.27 | 0.89 |
| 60 Faulkner Ranch | 0.82 | 0.82 | 0.71 | 0.69 | 0.71 | 0.30 | 0.30 | 0.34 | 0.54 | 0.56 | 0.56 | 0.54 | 0.85 | 0.82 | 0.60 |
| 61 Fisheries Development #1 | 0.24 | 0.24 | 0.26 | 0.22 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.24 | 0.23 | 0.25 |
| 62 Flying W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 Ford | 0 | 0 | 0 | 0 | 0.30 | 0.50 | 0.90 | 0.90 | 1.10 | 1.10 | 1.10 | 0.70 | 0.30 | 0.10 | 0.49 |
| 64 Forgy | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| 65 Galesville | 0.63 | 0.63 | 0.38 | 0.18 | 0.17 | 0.26 | 0.01 | 0.25 | 0.35 | 0.43 | 0.43 | 0.33 | 0.35 | 0.54 | 0.32 |
| 66 Geo-Bon #2 | 0.97 | 0.97 | 0.35 | 0.34 | 0.35 | 0.24 | 0.24 | 0.26 | 0.59 | 0.61 | 0.61 | 0.59 | 1.00 | 0.97 | 0.54 |
| 67 Georgetown | 0 | 0 | 0.24 | 0.30 | 0.32 | 0.31 | 0.28 | 0.27 | 0.25 | 0.28 | 0.28 | 0.34 | 0.22 | 0 | 0.23 |
| 68 Gillihan | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 69 Ground Water Pumping Station | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 70 Hailey | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 71 Hancock Creek | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| 72 Hazelton A | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 73 Hazelton B | 6.61 | 6.61 | 5.15 | 2.36 | 0.67 | 0 | 0 | 0 | 0.06 | 2.23 | 2.23 | 5.64 | 6.41 | 6.97 | 3.03 |
| 74 Hettinger | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 75 Horseshoe Bend | 8.79 | 8.79 | 7.55 | 3.91 | 2.78 | 3.50 | 3.86 | 4.65 | 5.89 | 8.81 | 8.81 | 9.93 | 9.80 | 9.22 | 6.56 |
| 76 Hutchinson Creek | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 77 James Boyd | 0 | 0 | 0 | 0 | 0 | 0.37 | 0.34 | 0.58 | 0.69 | 0.81 | 0.81 | 0.50 | 0 | 0 | 0.27 |
| 78 James White | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.14 |
| 79 Jim Knight | 0.36 | 0.36 | 0.25 | 0.25 | 0.25 | 0.09 | 0.09 | 0.10 | 0.25 | 0.25 | 0.25 | 0.25 | 0.37 | 0.36 | 0.24 |
| 80 John Day Creek | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.30 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.21 |
| 81 Juniper Ridge Hydro | 3.29 | 3.29 | 2.81 | 0.84 | 0 | 0 | 0 | 0 | 0 | 1.04 | 1.04 | 2.77 | 3.11 | 3.38 | 1.45 |
| 82 Kasel-Witherspoon | 0.90 | 0.90 | 0.94 | 0.60 | 0.36 | 0.19 | 0.15 | 0.16 | 0.27 | 0.36 | 0.36 | 0.76 | 0.85 | 0.78 | 0.53 |
| 83 Kaster Riverview | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 84 Koma Kulshan | 4.60 | 4.60 | 4.30 | 6.40 | 8.00 | 6.10 | 3.90 | 3.80 | 4.40 | 6.90 | 6.90 | 9.40 | 10.4 | 8.20 | 6.38 |
| 85 Koyle Ranch Power | 1.05 | 1.05 | 1.14 | 0.99 | 1.04 | 0.16 | 0.15 | 0.06 | 0.32 | 0.82 | 0.82 | 1.25 | 0.78 | 0.94 | 0.73 |
| 86 L & M Angus Ranch | 0.23 | 0.23 | 0.28 | 0.32 | 0.51 | 0.50 | 0.41 | 0.42 | 0.45 | 0.40 | 0.40 | 0.35 | 0.27 | 0.27 | 0.37 |
| 87 Lacombe | 0 | 0 | 0 | 0 | 0.21 | 0.97 | 0.22 | 0.89 | 0.89 | 1.05 | 1.05 | 0.95 | 0.88 | 0.42 | 0.54 |
| 88 Lake Creek (OR) | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 89 Lake Oswego | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 90 Lateral #10 | 1.21 | 1.21 | 1.25 | 1.60 | 1.65 | 1.21 | 1.21 | 1.34 | 1.41 | 1.45 | 1.45 | 1.41 | 1.25 | 1.21 | 1.35 |
| 91 Le Moyne | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 92 Lee Tavenner | 0.06 | 0.06 | 0.08 | 0.08 | 0.07 | 0.10 | 0.13 | 0.10 | 0.08 | 0.09 | 0.08 | 0.08 | 0.07 | 0.05 | 0.08 |
| 93 Little Butte Ranch | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 94 Little Mac | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 |
| 95 Little Wood River Ranch | 1.94 | 1.94 | 0.21 | 0.20 | 0.21 | 0 | 0 | 1.61 | 1.66 | 1.66 | 1.61 | 2.00 | 1.94 | 0.95 | 0.95 |
| 96 Little Wood River Reservoir | 0.73 | 0.73 | 0.44 | 0.42 | 0.44 | 0.20 | 0.20 | 0.22 | 0.44 | 0.45 | 0.45 | 0.44 | 0.75 | 0.73 | 0.46 |
| 97 Low line Canal Drop | 7.82 | 7.82 | 7.50 | 7.26 | 7.50 | 0.63 | 0.63 | 0.70 | 5.28 | 5.45 | 5.45 | 5.28 | 8.08 | 7.82 | 5.35 |
| 98 Low Line Midway | 2.00 | 2.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.00 | 2.00 | 0.50 |
| 99 Lower Low line | 2.69 | 2.69 | 2.48 | 1.80 | 1.45 | 0 | 0 | 0.68 | 1.88 | 2.48 | 2.48 | 2.69 | 2.69 | 2.69 | 1.80 |
| 100 Loyd F. Fery Farms | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 | 0.03 | 0.04 | 0.03 |
| 101 LQ-LS Drains (Pigeon Cove) | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 |
| 102 Lucky Peak | 28.6 | 26.8 | 19.9 | 4.50 | 0 | 0.70 | 0 | 1.50 | 1.60 | 11.4 | 11.4 | 67.7 | 75.2 | 73.0 | 23.7 |
| 103 Macks Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 Magic Dam | 6.82 | 6.82 | 4.40 | 0.49 | 0.17 | 0.10 | 0.25 | 0.15 | 0.86 | 2.99 | 2.99 | 8.25 | 9.08 | 8.96 | 3.56 |
| 105 Main Canal Headworks | 20.4 | 20.4 | 12.2 | 5.20 | 0 | 0 | 0 | 0 | 2.80 | 13.6 | 13.6 | 18.2 | 21.2 | 23.6 | 9.82 |
| 106 Marsh Valley | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 107 Meyers Falls | 0.77 | 0.77 | 0.69 | 0.46 | 0.69 | 0.69 | 0.46 | 0.61 | 0.84 | 0.84 | 0.84 | 0.77 | 0.92 | 0.84 | 0.72 |
| 108 Meyers Falls 1910 | 0.23 | 0.23 | 0.21 | 0.14 | 0.21 | 0.21 | 0.14 | 0.19 | 0.26 | 0.26 | 0.26 | 0.23 | 0.28 | 0.26 | 0.22 |
| 109 Middle Fork Irrigation District | 1.84 | 1.84 | 0.77 | 1.24 | 1.31 | 1.66 | 2.72 | 3.09 | 3.08 | 2.93 | 2.93 | 2.84 | 2.42 | 1.98 | 2.15 |
| 110 Mile 28 | 1.32 | 1.32 | 1.23 | 0.69 | 0.18 | 0 | 0 | 0 | 0 | 0.62 | 0.62 | 1.20 | 1.29 | 1.36 | 0.66 |
| 111 Mill Creek (Cove Hydro) | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 112 Minikahda | 0 | 0 | 0 | 0 | 0.04 | 0.05 | 0.05 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0 | 0.01 | 0.03 |
| 113 Mink Creek | 1.18 | 1.18 | 0.83 | 0.62 | 0.56 | 0.50 | 0.40 | 0.39 | 0.25 | 0.41 | 0.41 | 1.65 | 2.69 | 1.61 | 0.93 |
| 114 Mitchell Butte | 1.05 | 1.05 | 1.07 | 0.42 | 0 | 0 | 0 | 0 | 0.28 | 0.83 | 0.83 | 1.24 | 1.25 | 1.09 | 0.60 |
| 115 Mora Drop | 1.90 | 1.90 | 1.90 | 0 | 0 | 0 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.90 | 1.42 |
| 116 Morse Creek | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 117 Mt. Tabor | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 118 Mud Creek | 0.50 | 0.50 | 0.65 | 0.66 | 0.74 | 0.60 | 0.47 | 0.53 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.50 | 0.55 |
| 119 N-32 Canal | 1.12 | 1.12 | 1.15 | 1.12 | 1.15 | 0 | 0 | 0 | 1.12 | 1.15 | 1.15 | 1.12 | 1.15 | 1.12 | 0.85 |
| 120 Nichols Gap | 0 | 0 | 0 | 0 | 0.42 | 0.62 | 0.19 | 0.55 | 0.58 | 0.40 | 0.40 | 0.02 | 0.01 | 0 | 0.23 |
| 121 Nicholson | 0.22 | 0.22 | 0.16 | 0.21 | 0.19 | 0.20 | 0.14 | 0.21 | 0.19 | 0.16 | 0.16 | 0.19 | 0.23 | 0.22 | 0.19 |
| 122 North Fork Sprague | 0.03 | 0.03 | 0.07 | 0.01 | 0 | 0.05 | 0.15 | 0.26 | 0.16 | 0.27 | 0.27 | 0.92 | 0.45 | 0.15 | 0.21 |
| 123 O. J. Power Company | 0.01 | 0.01 | 0.07 | 0.03 | 0.05 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | 0.11 | 0.10 | 0.06 |
| 124 Odell Creek | 0.03 | 0.03 | 0.04 | 0.04 | 0.01 | 0.03 | 0.02 | 0.03 | 0.04 | 0.05 | 0.05 | 0.01 | 0 | 0.03 | 0.03 |
| 125 Opal Springs | 2.63 | 2.63 | 2.95 | 3.62 | 3.16 | 2.94 | 2.94 | 3.51 | 2.60 | 2.71 | 2.71 | 4.47 | 1.62 | 2.23 | 2.95 |
| 126 Orchard Avenue | 0.79 | 0.79 | 0.79 | 0.79 | 0 | 0 | 0 | 0 | 0 | 0 | 0.79 | 0.79 | 0.79 | 0.79 | 0.43 |
| 127 Owyhee Dam | 2.78 | 2.78 | 1.99 | 0.59 | 0 | 0 | 0.24 | 0.64 | 1.76 | 3.35 | 3.35 | 3.88 | 3.33 | 3.16 | 1.82 |
| 128 Owyhee Tunnel No 1 | 4.27 | 4.27 | 2.56 | 0.54 | 0 | 0 | 0 | 0 | 2.35 | 5.10 | 5.10 | 5.83 | 5.85 | 5.93 | 2.72 |
| 129 Pancheri | 0 | 0 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0.01 | 0.01 |
| 130 PEC Headworks | 4.50 | 4.50 | 3.10 | 2.20 | 0 | 0 | 0 | 0 | 0.40 | 5.10 | 5.10 | 6.50 | 6.20 | 5.80 | 2.83 |
| 131 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Phillipsburg | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | 0.05 | 0.07 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 133 Pine Creek | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.09 | 0.08 | 0.08 | 0.08 |
| 134 Poderosa | 0.63 | 0.63 | 0.47 | 0.16 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.17 | 0.17 | 0.45 | 0.65 | 0.63 | 0.29 |
| 135 Portland Hydro Project | 2.34 | 2.34 | 2.92 | 6.66 | 16.2 | 19.9 | 18.4 | 17.2 | 16.4 | 17.4 | 17.4 | 15.1 | 8.42 | 3.16 | 12.0 |
| 136 Portneuf River | 0.24 | 0.24 | 0.11 | 0.05 | 0.10 | 0.11 | 0 | 0 | 0 | 0 | 0 | 0.22 | 0.58 | 0.38 | 0.15 |
| 137 Potholes East Canal | 1.80 | 1.80 | 1.80 | 1.60 | 0 | 0 | 0 | 0 | 0.60 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.09 |
| 138 Preston | 0.37 | 0.38 | 0.37 | 0.36 | 0.35 | 0.35 | 0.37 | 0.37 | 0.38 | 0.37 | 0.38 | 0.31 | 0.31 | 0.38 | 0.36 |
| 139 Pristine Springs | 0.28 | 0.28 | 0.41 | 0.43 | 0.31 | 0.33 | 0.28 | 0.25 | 0.27 | 0.35 | 0.35 | 0.37 | 0.32 | 0.28 | 0.32 |
| 140 Quincy Chute | 7.70 | 7.70 | 4.00 | 2.30 | 0 | 0 | 0 | 0 | 0.80 | 5.50 | 5.50 | 7.10 | 8.40 | 8.50 | 3.71 |
| 141 Ravenscroft Ranch | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| 142 Reynolds Irrigation District | 0.15 | 0.15 | 0.25 | 0.24 | 0.25 | 0.24 | 0.24 | 0.26 | 0.20 | 0.21 | 0.21 | 0.20 | 0.16 | 0.15 | 0.21 |
| 143 Rim View | 0.17 | 0.17 | 0.25 | 0.26 | 0.19 | 0.20 | 0.17 | 0.15 | 0.16 | 0.22 | 0.22 | 0.23 | 0.20 | 0.17 | 0.20 |
| 144 Rock Creek #1 | 1.13 | 1.13 | 1.63 | 1.73 | 1.24 | 1.33 | 1.11 | 1.00 | 1.08 | 1.42 | 1.42 | 1.48 | 1.29 | 1.13 | 1.30 |
| 145 Rock Creek No 2 | 1.82 | 1.82 | 1.84 | 1.89 | 1.87 | 1.87 | 0.63 | 0.40 | 1.63 | 1.87 | 1.87 | 1.87 | 1.87 | 1.64 | 1.61 |
| 146 Rocky Brook | 0 | 0 | 0 | 0.04 | 0.21 | 0.56 | 0.58 | 0.42 | 0.47 | 0.46 | 0.46 | 0.20 | 0.09 | 0 | 0.25 |
| 147 Russell D. Smith | 4.00 | 4.00 | 2.60 | 1.40 | 0 | 0 | 0 | 0 | 0.20 | 2.40 | 2.40 | 3.80 | 4.20 | 3.40 | 1.84 |
| 148 Sagebrush | 0.40 | 0.40 | 0.26 | 0.25 | 0.26 | 0.08 | 0.08 | 0.09 | 0.26 | 0.26 | 0.26 | 0.26 | 0.41 | 0.40 | 0.25 |
| 149 Sahko | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 150 Schaffner | 0.36 | 0.36 | 0.26 | 0.25 | 0.26 | 0.14 | 0.14 | 0.16 | 0.29 | 0.30 | 0.30 | 0.29 | 0.37 | 0.36 | 0.26 |
| 151 Shingle Creek | 0.11 | 0.11 | 0.16 | 0.17 | 0.12 | 0.13 | 0.11 | 0.10 | 0.10 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.12 |
| 152 Shoshone | 0.90 | 0.90 | 0.92 | 0.29 | 0.31 | 0.05 | 0.04 | 0.02 | 0.10 | 0.54 | 0.54 | 0.84 | 0.82 | 0.86 | 0.47 |
| 153 Skookumchuck | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 154 Smith Creek (Washington) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 155 Snake River Pottery | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.06 | 0.06 | 0.07 | 0.04 | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 |
| 156 Snedigar Ranch | 0.15 | 0.15 | 0.22 | 0.21 | 0.22 | 0.15 | 0.15 | 0.17 | 0.11 | 0.12 | 0.12 | 0.11 | 0.16 | 0.15 | 0.16 |
| 157 South Dry Creek | 0.52 | 0.53 | 0.49 | 0.50 | 0 | 0 | 0 | 0 | 0.50 | 0.50 | 0.49 | 0.58 | 0.49 | 0.47 | 0.34 |
| 158 Spencer Lake Hydro | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 159 Spring Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 Stayton Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 Stevenson #1 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 162 Stevenson #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| 163 Strawberry Creek (MT) | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.07 | 0.06 | 0.06 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.06 |
| 164 Summer Falls | 78.8 | 78.8 | 48.4 | 21.6 | 0 | 0 | 0 | 0 | 4.80 | 50.0 | 50.0 | 71.4 | 81.0 | 87.4 | 37.2 |
| 165 Sunshine | 0.10 | 0.10 | 0.06 | 0.06 | 0.06 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.07 | 0.07 | 0.10 | 0.10 | 0.07 |
| 166 Syqitowicz Creek | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 167 Thompson's Mills | 0.01 | 0.01 | 0.01 | 0.03 | 0.05 | 0.06 | 0.05 | 0.06 | 0.06 | 0.07 | 0.07 | 0.05 | 0.07 | 0.03 | 0.05 |
| 168 Tiber Dam | 7.04 | 7.04 | 5.43 | 2.49 | 0.91 | 0 | 0 | 0 | 0.08 | 2.56 | 2.56 | 6.01 | 6.73 | 7.45 | 3.24 |
| 169 Tieton Dam (Yakima) | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 170 Trinity | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| 171 Twin Falls (WA) | 5.00 | 5.00 | 0 | 1.20 | 9.60 | 7.90 | 7.40 | 4.80 | 7.80 | 14.8 | 14.8 | 13.2 | 24.3 | 18.7 | 9.57 |
| 172 Upper Pine Creek | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 173 Upriver Dam | 3.40 | 3.40 | 3.40 | 4.70 | 6.70 | 13.4 | 14.4 | 13.0 | 13.8 | 12.9 | 12.9 | 11.2 | 11.6 | 8.40 | 9.73 |
| 174 Walla Walla | 1.54 | 1.54 | 1.44 | 1.28 | 1.17 | 1.29 | 1.17 | 1.53 | 1.75 | 1.77 | 1.77 | 1.48 | 1.54 | 1.76 | 1.48 |
| 175 Water Street | 0.02 | 0.02 | 0.09 | 0.14 | 0.16 | 0.15 | 0.10 | 0.12 | 0.12 | 0.16 | 0.16 | 0.14 | 0.14 | 0.07 | 0.12 |
| 176 Watson Hydro | 0.32 | 0.25 | 0.32 | 0.25 | 0.27 | 0 | 0 | 0 | 0.58 | 0.30 | 0.60 | 0.71 | 0.71 | 0.54 | 0.34 |

Regional: Small Hydro
Operating Year 2027 Water Year: 1937
2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 177 Weeks Falls | 0.80 | 0.80 | 0 | 0.20 | 1.70 | 1.80 | 1.20 | 0.60 | 1.20 | 2.60 | 2.60 | 2.40 | 4.40 | 3.50 | 1.70 |
| 178 White Ranch | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| 179 White Water Ranch | 0.07 | 0.07 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.11 | 0.08 | 0.08 | 0.08 | 0.08 | 0.07 | 0.07 | 0.08 |
| 180 Whitefish | 0.13 | 0.13 | 0.16 | 0.12 | 0.09 | 0.09 | 0.09 | 0.07 | 0.08 | 0.09 | 0.09 | 0.11 | 0.13 | 0.19 | 0.11 |
| 181 Wilson Lake | 7.07 | 7.07 | 5.27 | 2.00 | 0.25 | 0 | 0 | 0 | 0.03 | 2.32 | 2.32 | 6.05 | 6.83 | 7.63 | 3.14 |
| 182 Wisconsin Noble | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.05 | 0.05 | 0.04 | 0.03 | 0.05 |
| 183 Wolf Creek | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 |
| 184 Woods Creek | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 185 Yakama Drop 2 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 186 Yakama Drop 3 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 187 Youngs Creek | 0.07 | 0.07 | 0.53 | 1.65 | 3.29 | 2.73 | 2.92 | 3.14 | 4.52 | 4.65 | 4.65 | 2.49 | 0.56 | 0.17 | 2.22 |
| 188 Zena Creek Ranch | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| Total Small Hydro | | | | | | | | | | | | | | | |
| 189 Cooperative | 2.15 | 2.15 | 2.07 | 1.74 | 1.81 | 2.31 | 2.00 | 2.41 | 2.57 | 2.83 | 2.83 | 2.81 | 2.96 | 2.57 | 2.35 |
| 190 Federal Entities | 2.83 | 2.83 | 2.83 | 2.87 | 3.04 | 3.39 | 3.41 | 3.25 | 3.30 | 3.29 | 3.29 | 3.03 | 2.92 | 2.83 | 3.08 |
| 191 Investor Owned Utilities | 166 | 166 | 138 | 110 | 117 | 108 | 101 | 105 | 128 | 176 | 178 | 217 | 229 | 204 | 150 |
| 192 Marketer | 0.65 | 0.65 | 0.49 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.58 | 0.32 | 0.25 | 0.21 |
| 193 Municipality | 138 | 136 | 88.6 | 37.4 | 2.48 | 3.18 | 2.48 | 3.98 | 12.5 | 83.1 | 83.1 | 167 | 188 | 194 | 77.1 |
| 194 Public Utility District | 19.9 | 19.9 | 15.2 | 13.7 | 10.7 | 10.1 | 10.3 | 10.5 | 13.1 | 22.7 | 22.7 | 23.6 | 22.7 | 22.1 | 16.3 |
| 195 Total Small Hydro | 329 | 327 | 247 | 166 | 135 | 127 | 119 | 125 | 159 | 288 | 290 | 414 | 446 | 425 | 249 |

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Exhibit 29
Regional Combustion Turbines

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Combustion Turbine Resources

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Baily | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 255 | 259 | 263 | 265 | 265 | 264 | 263 | 261 | 0 | 45.3 | 171 | 253 | 224 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 50.8 | 148 | 228 | 208 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2700 | 3083 | 4531 | 4351 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 378 | 378 | 379 | 381 | 383 | 384 | 384 | 383 | 383 | 382 | 251 | 90.2 | 335 | 378 | 348 |
| 44 Total | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3409 | 4428 | 6099 | 5826 |

Regional: Combustion Turbine Resources

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 379 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 446 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 255 | 259 | 263 | 265 | 265 | 264 | 263 | 261 | 0 | 45.3 | 171 | 253 | 224 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 72.9 | 148 | 228 | 210 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4448 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2722 | 3083 | 4531 | 4350 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 378 | 378 | 379 | 381 | 383 | 384 | 384 | 383 | 383 | 382 | 251 | 90.2 | 335 | 378 | 348 |
| 44 Total | 6016 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3432 | 4428 | 6099 | 5825 |

Regional: Combustion Turbine Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 379 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 446 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 255 | 259 | 263 | 265 | 265 | 264 | 263 | 261 | 0 | 45.3 | 171 | 253 | 224 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 109 | 119 | 228 | 211 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.49 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.6 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4448 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2758 | 3054 | 4531 | 4352 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.2 |
| 43 Public Utility District | 378 | 378 | 379 | 381 | 383 | 384 | 384 | 383 | 383 | 382 | 251 | 90.2 | 335 | 378 | 348 |
| 44 Total | 6016 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3468 | 4398 | 6099 | 5827 |

Regional: Combustion Turbine Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 255 | 259 | 263 | 265 | 265 | 264 | 263 | 261 | 0 | 45.3 | 171 | 253 | 224 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 87.5 | 148 | 228 | 212 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2736 | 3083 | 4531 | 4354 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 378 | 378 | 379 | 381 | 383 | 384 | 384 | 383 | 383 | 382 | 251 | 90.2 | 335 | 378 | 348 |
| 44 Total | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3446 | 4428 | 6099 | 5829 |

Regional: Combustion Turbine Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 255 | 259 | 263 | 265 | 265 | 264 | 263 | 261 | 0 | 45.3 | 171 | 253 | 224 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 72.9 | 148 | 228 | 210 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2722 | 3083 | 4531 | 4353 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 378 | 378 | 379 | 381 | 383 | 384 | 384 | 383 | 383 | 382 | 251 | 90.2 | 335 | 378 | 348 |
| 44 Total | 6097 | 6104 | 6164 | 6219 | 6340 | 6411 | 6415 | 6357 | 6309 | 6195 | 5186 | 3432 | 4428 | 6099 | 5828 |

Regional: Combustion Turbine Resources

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 252 | 252 | 204 | 207 | 210 | 212 | 212 | 211 | 210 | 209 | 0 | 36.2 | 137 | 202 | 183 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 72.9 | 148 | 228 | 210 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2722 | 3083 | 4531 | 4353 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 378 | 378 | 328 | 329 | 331 | 331 | 331 | 331 | 330 | 330 | 251 | 81.2 | 301 | 327 | 307 |
| 44 Total | 6097 | 6104 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5787 |

Regional: Combustion Turbine Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 202 | 202 | 204 | 207 | 210 | 212 | 212 | 211 | 210 | 209 | 0 | 36.2 | 137 | 202 | 179 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 109 | 119 | 228 | 211 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.49 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.6 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2758 | 3054 | 4531 | 4355 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.2 |
| 43 Public Utility District | 327 | 327 | 328 | 329 | 331 | 331 | 331 | 331 | 330 | 330 | 251 | 81.2 | 301 | 327 | 303 |
| 44 Total | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3459 | 4364 | 6049 | 5785 |

Regional: Combustion Turbine Resources

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 202 | 202 | 204 | 207 | 210 | 212 | 212 | 211 | 210 | 209 | 0 | 36.2 | 137 | 202 | 179 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 87.5 | 148 | 228 | 212 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2736 | 3083 | 4531 | 4354 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 327 | 327 | 328 | 329 | 331 | 331 | 331 | 331 | 330 | 330 | 251 | 81.2 | 301 | 327 | 303 |
| 44 Total | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3437 | 4394 | 6049 | 5784 |

Regional: Combustion Turbine Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 202 | 202 | 204 | 207 | 210 | 212 | 212 | 211 | 210 | 209 | 0 | 36.2 | 137 | 202 | 179 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 72.9 | 148 | 228 | 210 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2722 | 3083 | 4531 | 4353 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 327 | 327 | 328 | 329 | 331 | 331 | 331 | 331 | 330 | 330 | 251 | 81.2 | 301 | 327 | 303 |
| 44 Total | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5783 |

Regional: Combustion Turbine Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 1 Alden Bailly | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 3.90 | 10.5 | 10.5 | 9.94 |
| 2 Basin Creek Project | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 32.5 | 32.5 | 47.5 | 45.0 |
| 3 Beaver | 470 | 477 | 486 | 496 | 503 | 503 | 500 | 496 | 490 | 490 | 484 | 318 | 312 | 470 | 461 |
| 4 Beaver | 451 | 458 | 467 | 477 | 484 | 484 | 481 | 477 | 471 | 471 | 465 | 305 | 299 | 451 | 443 |
| 5 Beaver 8 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 | 13.0 | 13.0 | 19.0 | 18.0 |
| 6 Bennett Mountain Peaking Plant | 153 | 153 | 156 | 160 | 163 | 169 | 169 | 164 | 159 | 160 | 160 | 104 | 102 | 153 | 151 |
| 7 Boulder Park | 23.4 | 23.4 | 23.4 | 21.0 | 21.0 | 21.0 | 23.4 | 23.4 | 23.4 | 23.4 | 23.4 | 16.0 | 16.0 | 23.4 | 21.6 |
| 8 Carty Generating Station | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| 9 Chehalis Generation Facility | 460 | 460 | 465 | 475 | 484 | 487 | 488 | 485 | 483 | 478 | 478 | 471 | 157 | 460 | 450 |
| 10 Dave Gates Generating Station | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 97.5 | 97.5 | 143 | 135 |
| 11 Encogen | 157 | 157 | 159 | 164 | 168 | 171 | 172 | 169 | 167 | 165 | 165 | -51.0 | 108 | 157 | 142 |
| 12 Evander Andrews Complex | 237 | 237 | 241 | 246 | 251 | 261 | 261 | 253 | 245 | 247 | 247 | 162 | 158 | 236 | 233 |
| 13 Danskin 1 | 77.9 | 77.9 | 79.8 | 81.7 | 83.6 | 87.4 | 87.4 | 83.6 | 81.7 | 81.7 | 81.7 | 54.1 | 52.2 | 77.9 | 77.4 |
| 14 Danskin 2 | 159 | 159 | 162 | 164 | 167 | 174 | 174 | 169 | 163 | 165 | 165 | 108 | 106 | 158 | 156 |
| 15 Frederickson CT | 202 | 202 | 204 | 207 | 210 | 212 | 212 | 211 | 210 | 209 | 0 | 36.2 | 137 | 202 | 179 |
| 16 Frederickson Power Project | 139 | 139 | 141 | 145 | 150 | 152 | 152 | 150 | 149 | 147 | 147 | -48.0 | 92.7 | 139 | 125 |
| 17 Fredonia | 296 | 296 | 301 | 310 | 318 | 324 | 325 | 321 | 317 | 313 | 0 | 50.8 | 198 | 296 | 268 |
| 18 Fredonia 1 & 2 | 195 | 195 | 198 | 204 | 209 | 212 | 213 | 210 | 208 | 205 | 0 | 33.6 | 131 | 195 | 176 |
| 19 Fredonia 3 & 4 | 101 | 101 | 103 | 107 | 110 | 112 | 113 | 111 | 109 | 108 | 0 | 17.2 | 67.5 | 101 | 92.0 |
| 20 Goldendale Energy Center | 244 | 244 | 249 | 253 | 258 | 261 | 260 | 258 | 256 | 254 | 254 | 42.5 | 165 | 244 | 228 |
| 21 Grimes Way | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 3.80 | 2.60 | 2.60 | 3.80 | 3.60 |
| 22 Kettle Falls Station (CT) | 8.10 | 8.10 | 9.00 | 9.50 | 9.50 | 10.5 | 10.5 | 10.5 | 9.50 | 9.50 | 9.50 | 5.30 | 5.30 | 8.10 | 8.77 |
| 23 Klamath Generation Facility | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 460 | 315 | 315 | 460 | 436 |
| 24 Klamath Generation Peakings (C | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 65.0 | 65.0 | 95.0 | 90.0 |
| 25 Lancaster | 230 | 230 | 238 | 234 | 238 | 254 | 253 | 239 | 237 | 154 | 154 | 72.9 | 148 | 228 | 210 |
| 26 Langley Gulch CT | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 195 | 195 | 285 | 270 |
| 27 Mint Farm Energy Center | 271 | 271 | 274 | 280 | 284 | 286 | 286 | 284 | 283 | 281 | 0 | 188 | 185 | 272 | 253 |
| 28 Northeast 1 & 2 | 41.8 | 41.8 | 43.7 | 19.8 | 60.8 | 62.7 | 62.7 | 60.8 | 58.9 | 57.0 | 57.0 | 43.7 | 43.7 | 39.9 | 49.5 |
| 29 Olympic View | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 3.20 | 3.20 | 5.00 | 4.70 |
| 30 Pasco Peak Power Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -26.4 | 0 | 0 | -2.24 |
| 31 Port Westward | 566 | 566 | 567 | 576 | 584 | 589 | 589 | 587 | 583 | 577 | 577 | 446 | 441 | 565 | 556 |
| 32 Port Westward 1 | 379 | 379 | 380 | 389 | 397 | 402 | 402 | 400 | 396 | 390 | 390 | 259 | 254 | 378 | 369 |
| 33 Port Westward 2 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 | 187 |
| 34 Rathdrum | 132 | 132 | 135 | 148 | 160 | 165 | 167 | 163 | 160 | 154 | 154 | 95.4 | 87.8 | 139 | 142 |
| 35 River Road | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 86.8 | 236 | 236 | 223 |
| 36 Satsop Combustion Turbine Proj | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 618 | 228 | 618 | 618 | 584 |
| 37 Stahlbush Island Farms Bioqas | 1.46 | 1.46 | 1.50 | 1.46 | 1.50 | 1.46 | 1.46 | 1.61 | 1.46 | 1.50 | 1.50 | 1.46 | 1.50 | 1.46 | 1.48 |
| 38 University of Washington Power | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 14.3 | 9.80 | 9.80 | 14.3 | 13.5 |
| 39 Whitehorn | 140 | 140 | 142 | 146 | 150 | 152 | 153 | 151 | 149 | 147 | 0 | 96.3 | 93.8 | 140 | 132 |
| Total Combustion Turbine Resources | | | | | | | | | | | | | | | |
| 40 Investor Owned Utilities | 4529 | 4536 | 4594 | 4647 | 4766 | 4836 | 4840 | 4783 | 4736 | 4622 | 3745 | 2722 | 3083 | 4531 | 4353 |
| 41 Marketer | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 1172 | 607 | 997 | 1172 | 1110 |
| 42 Municipality | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 18.1 | 12.4 | 12.4 | 18.1 | 17.1 |
| 43 Public Utility District | 327 | 327 | 328 | 329 | 331 | 331 | 331 | 331 | 330 | 330 | 251 | 81.2 | 301 | 327 | 303 |
| 44 Total | 6047 | 6053 | 6113 | 6167 | 6287 | 6358 | 6362 | 6304 | 6256 | 6142 | 5186 | 3423 | 4394 | 6049 | 5783 |

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Exhibit 30
Regional Renewable Resources

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Renewable Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills 1 | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauffer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 37.0 | 11.6 | 46.3 | 42.6 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Biogas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |

Regional: Renewable Resources

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 | |
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 | |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 | |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 | |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 | |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 | |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 | |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 | |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 | |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 | |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 | |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 | |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 | |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 | |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 | |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 | |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 | |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 | |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 | |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 | |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 | |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 | |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 | |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 | |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 | |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 | |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 | |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 | |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 | |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 | |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 | |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 | |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 | |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 | |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 | |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 | |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 | |
| Total Renewable Resources | | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 | |
| 217 Federal Entities | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 | |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1050 | 618 | 958 | 1093 | 1830 | 1572 | 1666 | 1618 | 1636 | 1252 | |
| 219 Marketer | 94.5 | 142 | 132 | 106 | 152 | 116 | 61.9 | 102 | 118 | 210 | 177 | 189 | 187 | 183 | 138 | |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 | |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 | |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 | |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2609 | 2550 | 2548 | 1953 | |

Regional: Renewable Resources
Operating Year 2019
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S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 43.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1050 | 618 | 958 | 1093 | 1830 | 1572 | 1664 | 1630 | 1636 | 1253 |
| 219 Marketer | 94.5 | 142 | 132 | 106 | 152 | 116 | 61.9 | 102 | 118 | 210 | 177 | 189 | 187 | 183 | 138 |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |

Regional: Renewable Resources
Operating Year 2020
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 46.9 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.1 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.29 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.29 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.74 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.95 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.82 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.8 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.69 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.1 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 27.8 | 46.3 | 44.7 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.6 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.0 |

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.6 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.2 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 143 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.6 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.5 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.0 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.58 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.2 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.3 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.2 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.82 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.95 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.2 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 16.9 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.8 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.1 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.6 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 39.6 | 59.4 | 55.2 | 44.4 | 63.6 | 48.5 | 25.9 | 42.9 | 49.3 | 88.2 | 74.2 | 79.4 | 78.5 | 76.7 | 57.9 |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1050 | 618 | 958 | 1093 | 1830 | 1572 | 1675 | 1634 | 1636 | 1253 |
| 219 Marketer | 94.5 | 142 | 132 | 106 | 152 | 116 | 61.9 | 102 | 118 | 210 | 177 | 189 | 187 | 183 | 138 |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2566 | 2548 | 1954 |

Regional: Renewable Resources
Operating Year 2021
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S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 23.1 | 46.3 | 44.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 39.6 | 59.4 | 55.2 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.6 |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1050 | 618 | 958 | 1093 | 1830 | 1572 | 1675 | 1630 | 1636 | 1254 |
| 219 Marketer | 94.5 | 142 | 132 | 109 | 156 | 119 | 63.6 | 105 | 121 | 216 | 182 | 195 | 193 | 188 | 142 |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2562 | 2548 | 1955 |

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 43.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1050 | 618 | 958 | 1093 | 1830 | 1572 | 1664 | 1630 | 1636 | 1253 |
| 219 Marketer | 97.2 | 146 | 136 | 109 | 156 | 119 | 63.6 | 105 | 121 | 216 | 182 | 195 | 193 | 188 | 142 |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 34.7 | 23.1 | 46.3 | 43.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 218 Investor Owned Utilities | 943 | 1306 | 1216 | 994 | 1341 | 1015 | 600 | 928 | 1058 | 1767 | 1519 | 1607 | 1574 | 1581 | 1224 |
| 219 Marketer | 97.2 | 146 | 136 | 109 | 156 | 153 | 82.1 | 136 | 156 | 279 | 235 | 251 | 248 | 243 | 171 |
| 220 Municipality | 217 | 318 | 296 | 241 | 339 | 262 | 147 | 233 | 266 | 464 | 393 | 419 | 415 | 406 | 310 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |

Regional: Renewable Resources
Operating Year 2024
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 46.9 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.1 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.29 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.29 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.74 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.95 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.82 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.8 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.69 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.1 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 27.8 | 46.3 | 44.7 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.6 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.0 |

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.6 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.2 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.67 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 143 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.6 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.5 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.0 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.58 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.2 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.3 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.2 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.82 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.95 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.41 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.2 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 16.9 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.8 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.1 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.6 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 53.9 |
| 218 Investor Owned Utilities | 915 | 1264 | 1176 | 962 | 1296 | 1015 | 600 | 928 | 1058 | 1767 | 1519 | 1619 | 1578 | 1581 | 1212 |
| 219 Marketer | 125 | 188 | 191 | 153 | 220 | 168 | 89.7 | 148 | 171 | 305 | 257 | 275 | 271 | 265 | 199 |
| 220 Municipality | 217 | 318 | 280 | 228 | 320 | 248 | 139 | 221 | 252 | 438 | 371 | 396 | 392 | 383 | 294 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2566 | 2548 | 1954 |

Regional: Renewable Resources
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 23.1 | 46.3 | 44.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.07 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 218 Investor Owned Utilities | 915 | 1264 | 1176 | 962 | 1296 | 1015 | 600 | 928 | 1058 | 1767 | 1519 | 1619 | 1574 | 1581 | 1212 |
| 219 Marketer | 137 | 206 | 191 | 153 | 220 | 168 | 89.7 | 148 | 171 | 305 | 257 | 275 | 271 | 265 | 200 |
| 220 Municipality | 205 | 300 | 280 | 228 | 320 | 248 | 139 | 221 | 252 | 438 | 371 | 396 | 392 | 383 | 293 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2618 | 2562 | 2548 | 1955 |

Regional: Renewable Resources
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 34.7 | 23.1 | 46.3 | 43.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 218 Investor Owned Utilities | 915 | 1264 | 1176 | 962 | 1296 | 1015 | 600 | 928 | 1058 | 1767 | 1519 | 1607 | 1574 | 1581 | 1211 |
| 219 Marketer | 137 | 206 | 191 | 153 | 220 | 168 | 89.7 | 148 | 171 | 305 | 257 | 275 | 271 | 265 | 200 |
| 220 Municipality | 205 | 300 | 280 | 228 | 320 | 248 | 139 | 221 | 252 | 438 | 371 | 396 | 392 | 383 | 293 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|
| Renewable Resources | | | | | | | | | | | | | | | |
| 1 3 Bar G Wind | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 2 Ashland Solar Project | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 3 City Council | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 N. Mountain Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Police Station | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Public Works | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 |
| 7 Baldock Solar | 0.31 | 0.31 | 0.25 | 0.18 | 0.09 | 0.06 | 0.10 | 0.13 | 0.21 | 0.25 | 0.25 | 0.32 | 0.32 | 0.35 | 0.21 |
| 8 Bannock County Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 9 Bellevue Solar (Amity, OR) | 0.30 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.30 | 0.30 | 0.30 | 0.40 | 0.21 |
| 10 Bennett Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 11 Benson Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 12 Bettencourt B6 anaerobic digest | 0.46 | 0.97 | 0.97 | 0.97 | 0.97 | 1.21 | 1.25 | 1.21 | 0.02 | 0.18 | 0.16 | 0.23 | 0.23 | 0.41 | 0.69 |
| 13 Big Horn Wind | 40.2 | 60.2 | 56.0 | 45.0 | 64.5 | 49.1 | 26.3 | 43.5 | 50.0 | 89.4 | 75.2 | 80.5 | 79.6 | 77.8 | 58.7 |
| 14 Big Horn 1 | 32.1 | 48.2 | 44.8 | 36.0 | 51.5 | 39.3 | 21.0 | 34.8 | 40.0 | 71.5 | 60.1 | 64.3 | 63.6 | 62.2 | 47.0 |
| 15 Big Horn 2 | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 16 Big Sky Dairy | 1.05 | 1.05 | 1.08 | 1.05 | 1.13 | 1.11 | 1.01 | 0.96 | 1.06 | 1.05 | 1.05 | 1.07 | 1.13 | 1.03 | 1.06 |
| 17 Biglow Canyon Wind | 72.4 | 109 | 101 | 81.1 | 116 | 88.6 | 47.4 | 78.4 | 90.1 | 161 | 136 | 145 | 143 | 140 | 106 |
| 18 Biglow Canyon 1 | 20.2 | 30.3 | 28.1 | 22.6 | 32.4 | 24.7 | 13.2 | 21.9 | 25.1 | 44.9 | 37.8 | 40.4 | 40.0 | 39.1 | 29.5 |
| 19 Biglow Canyon 2 | 24.1 | 36.1 | 33.5 | 27.0 | 38.6 | 29.4 | 15.7 | 26.1 | 30.0 | 53.6 | 45.1 | 48.2 | 47.7 | 46.6 | 35.2 |
| 20 Biglow Canyon 3 | 28.1 | 42.2 | 39.2 | 31.5 | 45.2 | 34.4 | 18.4 | 30.5 | 35.0 | 62.6 | 52.7 | 56.4 | 55.7 | 54.5 | 41.2 |
| 21 Black Cap Solar Project | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 22 Boise City Solar | 16.2 | 16.2 | 13.7 | 11.6 | 7.07 | 6.09 | 6.19 | 9.07 | 11.1 | 12.9 | 12.9 | 15.1 | 16.0 | 17.4 | 11.9 |
| 23 Burley Butte Wind | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 24 Camp Reed Wind | 3.62 | 5.43 | 5.05 | 4.06 | 5.81 | 4.43 | 2.37 | 3.92 | 4.51 | 8.06 | 6.78 | 7.26 | 7.18 | 7.01 | 5.30 |
| 25 Cassia Farms Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 26 Cassia Gulch Wind | 3.04 | 4.56 | 4.24 | 3.41 | 4.88 | 3.72 | 1.99 | 3.29 | 3.79 | 6.77 | 5.70 | 6.10 | 6.03 | 5.89 | 4.45 |
| 27 Cedar Hills Landfill | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 |
| 28 Clark Community Solar | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 | 0.13 |
| 29 Coffin Butte | 5.27 | 5.27 | 5.32 | 5.38 | 5.46 | 5.11 | 5.51 | 5.44 | 5.55 | 5.42 | 5.42 | 5.37 | 5.33 | 5.17 | 5.36 |
| 30 Coffin Butte 1 | 2.37 | 2.37 | 2.43 | 2.40 | 2.43 | 2.42 | 2.39 | 2.39 | 2.40 | 2.27 | 2.27 | 2.35 | 2.34 | 2.33 | 2.38 |
| 31 Coffin Butte 2 | 2.90 | 2.90 | 2.89 | 2.98 | 3.03 | 2.69 | 3.12 | 3.05 | 3.15 | 3.15 | 3.15 | 3.02 | 2.99 | 2.84 | 2.98 |
| 32 Cold Springs Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 33 Columbia Ridge Landfill | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| 34 Combine Hills Wind | 16.7 | 25.1 | 23.3 | 18.8 | 26.9 | 20.5 | 11.0 | 18.1 | 20.8 | 37.3 | 31.4 | 33.5 | 33.2 | 32.4 | 24.5 |
| 35 Combine Hills 2 | 10.1 | 15.2 | 14.1 | 11.4 | 16.3 | 12.4 | 6.64 | 11.0 | 12.6 | 22.6 | 19.0 | 20.3 | 20.1 | 19.6 | 14.8 |
| 36 Combine Hills I | 6.60 | 9.90 | 9.20 | 7.39 | 10.6 | 8.08 | 4.32 | 7.15 | 8.21 | 14.7 | 12.4 | 13.2 | 13.1 | 12.8 | 9.65 |
| 37 Condon Wind | 8.02 | 12.0 | 11.2 | 8.98 | 12.9 | 9.81 | 5.25 | 8.68 | 9.98 | 17.8 | 15.0 | 16.1 | 15.9 | 15.5 | 11.7 |
| 38 Condon 1 | 3.96 | 5.94 | 5.52 | 4.44 | 6.36 | 4.85 | 2.59 | 4.29 | 4.93 | 8.82 | 7.42 | 7.93 | 7.84 | 7.67 | 5.79 |
| 39 Condon 2 | 4.06 | 6.08 | 5.65 | 4.54 | 6.51 | 4.96 | 2.65 | 4.39 | 5.05 | 9.03 | 7.60 | 8.13 | 8.04 | 7.85 | 5.93 |
| 40 Cowlitz Community Solar | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 41 Cowlitz Community Solar - Admin Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 42 Cowlitz Community Solar - Operations Building | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| 43 DeRuyter & Son's Dairy | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| 44 Desert Meadow Windfarm | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 45 Domaine Drouhin Solar | 0.02 | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 |
| 46 Double A Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 47 Double B Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Dry Creek Landfill | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 |
| 49 Dry Dairy Creek | 1.38 | 1.39 | 1.36 | 1.36 | 1.33 | 1.26 | 1.17 | 1.40 | 1.39 | 1.30 | 0.96 | 1.15 | 1.15 | 1.10 | 1.26 |
| 50 Durbin Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 51 Echo Wind Farm | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.80 | 11.2 | 12.9 | 23.1 | 19.5 | 20.8 | 20.6 | 20.1 | 15.2 |
| 52 Echo Wind 1 | 7.17 | 10.8 | 10.00 | 8.03 | 11.5 | 8.77 | 4.69 | 7.76 | 8.93 | 16.0 | 13.4 | 14.4 | 14.2 | 13.9 | 10.5 |
| 53 Echo Wind 2 | 3.22 | 4.83 | 4.49 | 3.61 | 5.17 | 3.94 | 2.11 | 3.49 | 4.01 | 7.17 | 6.03 | 6.45 | 6.38 | 6.23 | 4.71 |
| 54 Edaleen Cow Power | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 | 0.63 |
| 55 Elkhorn Valley Wind Project | 16.2 | 24.3 | 22.6 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.2 | 36.1 | 30.3 | 32.5 | 32.1 | 31.4 | 23.7 |
| 56 Fairway Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 57 Farm Power Lynden | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 58 Farm Power Misty Meadow | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| 59 Farm Power Rexville | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 | 0.70 |
| 60 Farm Power Tillamook | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 61 Fighting Creek Landfill | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 | 2.70 |
| 62 Finley BioEnergy | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 | 2.88 |
| 63 Finn Hill Solar | 0.07 | 0.07 | 0.06 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.05 |
| 64 Flathead County Landfill | 1.33 | 1.33 | 1.33 | 1.33 | 1.23 | 1.24 | 1.24 | 1.28 | 1.24 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | 1.30 |
| 65 Foote Creek 1 Wind | 6.66 | 10.00 | 9.29 | 7.46 | 10.7 | 8.15 | 4.36 | 7.21 | 8.29 | 14.8 | 12.5 | 13.4 | 13.2 | 12.9 | 9.75 |
| 66 Foote Creek 2 Wind | 0.29 | 0.44 | 0.40 | 0.33 | 0.47 | 0.36 | 0.19 | 0.31 | 0.36 | 0.65 | 0.54 | 0.58 | 0.57 | 0.56 | 0.42 |
| 67 Foote Creek 4 Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 68 Forest Glen Oaks Dairy | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 |
| 69 Fossil Gulch Wind Project | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 70 Fossil Lake Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 71 Fourmile Hill Geothermal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Golden Valley Wind | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 73 Goodnoe Hills Wind | 15.1 | 22.7 | 21.1 | 16.9 | 24.3 | 18.5 | 9.90 | 16.4 | 18.8 | 33.7 | 28.3 | 30.3 | 30.0 | 29.3 | 22.1 |
| 74 Goshen North (Ridgeline Wind) | 20.0 | 30.1 | 27.9 | 22.4 | 32.2 | 24.5 | 13.1 | 21.7 | 24.9 | 44.6 | 37.5 | 40.2 | 39.7 | 38.8 | 29.3 |
| 75 Grand View Solar | 33.0 | 26.0 | 19.0 | 11.0 | 7.00 | 7.00 | 15.0 | 21.0 | 27.0 | 31.0 | 34.0 | 33.0 | 22.0 | 33.0 | 21.4 |
| 76 Grand View Solar 1 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 77 Grand View Solar 2 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 78 Grand View Solar 3 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 79 Grand View Solar 4 | 8.25 | 6.50 | 4.75 | 2.75 | 1.75 | 1.75 | 3.75 | 5.25 | 6.75 | 7.75 | 8.50 | 8.25 | 5.50 | 8.25 | 5.36 |
| 80 Grayland Wind | 0.97 | 1.45 | 1.35 | 1.08 | 1.55 | 1.18 | 0.63 | 1.05 | 1.20 | 2.15 | 1.81 | 1.94 | 1.91 | 1.87 | 1.41 |
| 81 Grove Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 82 H.W. Hill Landfill Gas (Roosevelt) | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 83 HW Hill Landfill Gas 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 HW Hill Landfill Gas 2 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 85 Hammett Hill Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 86 Harvest Wind | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 87 Hay Canyon Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 88 Healow 2 Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Hidden Hollow Landfill | 2.17 | 2.17 | 2.33 | 2.40 | 2.60 | 2.53 | 2.22 | 2.39 | 2.34 | 2.47 | 2.47 | 2.22 | 2.35 | 2.04 | 2.34 |
| 90 High Mesa Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 91 Hopkins Ridge Wind | 25.2 | 37.8 | 35.1 | 28.2 | 40.5 | 30.8 | 16.5 | 27.3 | 31.4 | 56.1 | 47.2 | 50.5 | 49.9 | 48.8 | 36.9 |
| 92 Hopkins Ridge 2 | 1.16 | 1.74 | 1.62 | 1.30 | 1.86 | 1.42 | 0.76 | 1.26 | 1.44 | 2.58 | 2.17 | 2.32 | 2.30 | 2.24 | 1.70 |
| 93 Hopkins Ridge 1 | 24.0 | 36.1 | 33.5 | 26.9 | 38.6 | 29.4 | 15.7 | 26.0 | 29.9 | 53.5 | 45.0 | 48.2 | 47.6 | 46.6 | 35.2 |
| 94 Horse Butte Wind | 9.27 | 13.9 | 12.9 | 10.4 | 14.9 | 11.3 | 6.07 | 10.0 | 11.5 | 20.6 | 17.4 | 18.6 | 18.4 | 18.0 | 13.6 |
| 95 Horseshoe Bend Wind Project | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 96 Hot Springs Wind | 3.19 | 4.78 | 4.44 | 3.57 | 5.12 | 3.90 | 2.09 | 3.45 | 3.97 | 7.10 | 5.97 | 6.39 | 6.31 | 6.17 | 4.66 |
| 97 Hyline Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 98 Industrial Finishes Solar | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| 99 JC-Biomethane | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 |
| 100 Jett Creek Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 101 John Day Solar | 2.00 | 2.00 | 2.00 | 1.50 | 1.50 | 1.00 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 | 1.50 | 1.50 | 2.00 | 1.34 |
| 102 Josef Stauer - Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 Juniper Canyon Wind | 24.3 | 36.5 | 33.9 | 27.3 | 39.1 | 29.8 | 15.9 | 26.3 | 30.3 | 54.2 | 45.6 | 48.8 | 48.2 | 47.1 | 35.6 |
| 104 Kettle Falls (biomass) | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 43.4 |
| 105 King Estate Solar | 0.20 | 0.20 | 0.17 | 0.12 | 0.06 | 0.04 | 0.06 | 0.08 | 0.12 | 0.15 | 0.15 | 0.19 | 0.19 | 0.21 | 0.13 |
| 106 Kittitas Valley Wind | 16.2 | 24.3 | 22.6 | 18.2 | 26.0 | 19.9 | 10.6 | 17.6 | 20.2 | 36.1 | 30.4 | 32.5 | 32.1 | 31.4 | 23.7 |
| 107 Klondike Wind 1 | 3.86 | 5.80 | 5.39 | 4.33 | 6.20 | 4.73 | 2.53 | 4.18 | 4.81 | 8.60 | 7.24 | 7.74 | 7.65 | 7.48 | 5.65 |
| 108 Klondike Wind 2 | 12.1 | 18.1 | 16.8 | 13.5 | 19.4 | 14.8 | 7.90 | 13.1 | 15.0 | 26.9 | 22.6 | 24.2 | 23.9 | 23.4 | 17.7 |
| 109 Klondike Wind 3 | 36.0 | 54.0 | 50.2 | 40.4 | 57.8 | 44.1 | 23.6 | 39.0 | 44.8 | 80.2 | 67.5 | 72.2 | 71.4 | 69.8 | 52.7 |
| 110 Klondike Wind 3a | 12.3 | 18.5 | 17.2 | 13.8 | 19.8 | 15.1 | 8.06 | 13.3 | 15.3 | 27.4 | 23.1 | 24.7 | 24.4 | 23.8 | 18.0 |
| 111 Knudson Wind | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 112 Lakeview Solar | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 113 Lakeview Solar 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 Lakeview Solar 500 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| 115 Leaning Juniper Wind | 48.6 | 72.9 | 67.7 | 54.4 | 78.0 | 59.4 | 31.8 | 52.6 | 60.5 | 108 | 91.0 | 97.3 | 96.2 | 94.1 | 71.1 |

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|------|
| 116 Leaning Juniper 1 | 16.2 | 24.3 | 22.5 | 18.1 | 26.0 | 19.8 | 10.6 | 17.5 | 20.1 | 36.0 | 30.3 | 32.4 | 32.0 | 31.3 | 23.7 |
| 117 Leaning Juniper 2a | 14.5 | 21.8 | 20.3 | 16.3 | 23.3 | 17.8 | 9.51 | 15.7 | 18.1 | 32.4 | 27.2 | 29.1 | 28.8 | 28.1 | 21.3 |
| 118 Leaning Juniper 2b | 17.9 | 26.8 | 24.9 | 20.0 | 28.7 | 21.9 | 11.7 | 19.3 | 22.2 | 39.8 | 33.5 | 35.8 | 35.4 | 34.6 | 26.1 |
| 119 Lewandowski Farms Wind | 0.11 | 0.10 | 0.08 | 0.08 | 0.08 | 0.06 | 0.08 | 0.06 | 0.11 | 0.12 | 0.12 | 0.11 | 0.13 | 0.10 | 0.09 |
| 120 Lime Wind | 0.48 | 0.72 | 0.67 | 0.54 | 0.78 | 0.59 | 0.32 | 0.52 | 0.60 | 1.08 | 0.91 | 0.97 | 0.96 | 0.94 | 0.71 |
| 121 Linden Ranch Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 122 Little Valley Solar | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 4.00 | 2.68 |
| 123 Livingston Wind | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0.01 |
| 124 Lower Snake Wind | 98.1 | 147 | 137 | 110 | 157 | 120 | 64.2 | 106 | 122 | 218 | 184 | 197 | 194 | 190 | 144 |
| 125 Lower Snake Wind 1 | 55.2 | 82.7 | 76.9 | 61.8 | 88.5 | 67.5 | 36.1 | 59.7 | 68.7 | 123 | 103 | 111 | 109 | 107 | 80.7 |
| 126 Tucannon River Wind | 42.9 | 64.4 | 59.9 | 48.1 | 68.9 | 52.5 | 28.1 | 46.5 | 53.5 | 95.6 | 80.4 | 86.0 | 85.1 | 83.2 | 62.8 |
| 127 LRI/Graham Landfill - BioFuels | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 | 4.28 |
| 128 Mainline Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 129 Marengo Wind | 33.9 | 50.8 | 47.3 | 38.0 | 54.4 | 41.5 | 22.2 | 36.7 | 42.2 | 75.5 | 63.5 | 67.9 | 67.2 | 65.6 | 49.6 |
| 130 Marengo Wind 1 | 22.6 | 33.9 | 31.5 | 25.3 | 36.3 | 27.7 | 14.8 | 24.5 | 28.1 | 50.3 | 42.3 | 45.3 | 44.8 | 43.8 | 33.1 |
| 131 Marengo Wind 2 | 11.3 | 17.0 | 15.8 | 12.7 | 18.1 | 13.8 | 7.39 | 12.2 | 14.1 | 25.2 | 21.2 | 22.6 | 22.4 | 21.9 | 16.5 |
| 132 Meadow Creek Wind | 19.3 | 28.9 | 26.9 | 21.6 | 30.9 | 23.6 | 12.6 | 20.9 | 24.0 | 42.9 | 36.1 | 38.6 | 38.2 | 37.3 | 28.2 |
| 133 Five Pine Wind | 6.42 | 9.63 | 8.95 | 7.19 | 10.3 | 7.86 | 4.20 | 6.95 | 7.99 | 14.3 | 12.0 | 12.9 | 12.7 | 12.4 | 9.39 |
| 134 North Point Wind | 12.8 | 19.3 | 17.9 | 14.4 | 20.6 | 15.7 | 8.40 | 13.9 | 16.0 | 28.6 | 24.1 | 25.7 | 25.4 | 24.9 | 18.8 |
| 135 Milner Dam Wind Farm | 3.14 | 4.71 | 4.38 | 3.52 | 5.04 | 3.84 | 2.05 | 3.40 | 3.91 | 6.99 | 5.88 | 6.29 | 6.22 | 6.08 | 4.59 |
| 136 Neal Hot Springs | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 10.5 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 21.3 | 21.0 |
| 137 Nine Canyon Wind | 15.4 | 23.2 | 21.5 | 17.3 | 24.8 | 18.9 | 10.1 | 16.7 | 19.2 | 34.4 | 28.9 | 30.9 | 30.6 | 29.9 | 22.6 |
| 138 Nine Canyon Wind 1 | 7.75 | 11.6 | 10.8 | 8.68 | 12.4 | 9.48 | 5.07 | 8.39 | 9.64 | 17.3 | 14.5 | 15.5 | 15.4 | 15.0 | 11.3 |
| 139 Nine Canyon Wind 2 | 2.50 | 3.75 | 3.49 | 2.80 | 4.01 | 3.06 | 1.64 | 2.71 | 3.11 | 5.57 | 4.68 | 5.01 | 4.95 | 4.84 | 3.66 |
| 140 Nine Canyon Wind 3 | 5.19 | 7.78 | 7.23 | 5.81 | 8.33 | 6.35 | 3.39 | 5.62 | 6.46 | 11.5 | 9.72 | 10.4 | 10.3 | 10.0 | 7.59 |
| 141 Open Range Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 142 Oregon Trail Wind | 2.17 | 3.26 | 3.03 | 2.43 | 3.49 | 2.66 | 1.42 | 2.35 | 2.71 | 4.84 | 4.07 | 4.35 | 4.31 | 4.21 | 3.18 |
| 143 Outback Solar | 1.61 | 1.61 | 1.33 | 0.93 | 0.55 | 0.39 | 0.40 | 0.83 | 1.06 | 1.34 | 1.34 | 1.51 | 1.78 | 1.81 | 1.13 |
| 144 Paisley Geothermal | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| 145 Palouse Wind | 16.8 | 25.2 | 23.4 | 18.8 | 27.0 | 20.6 | 11.0 | 18.2 | 20.9 | 37.4 | 31.5 | 33.7 | 33.3 | 32.5 | 24.6 |
| 146 PaTu Wind | 1.45 | 2.17 | 2.02 | 1.62 | 2.33 | 1.77 | 0.95 | 1.57 | 1.80 | 3.23 | 2.71 | 2.90 | 2.87 | 2.81 | 2.12 |
| 147 Paynes Ferry Wind Park | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 148 Pebble Springs Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 149 Pilgrim Stage Station Wind Park | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 150 Pine Products Biomass | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 151 Portland Waste Water | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 | 1.40 |
| 152 Power County Wind | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 153 ProLogis Warehouse Solar | 0.61 | 0.61 | 0.46 | 0.30 | 0.16 | 0.11 | 0.15 | 0.22 | 0.37 | 0.47 | 0.47 | 0.66 | 0.69 | 0.73 | 0.41 |
| 154 ProLogis (SunWay 3) Solar | 0.42 | 0.42 | 0.32 | 0.21 | 0.11 | 0.08 | 0.10 | 0.15 | 0.25 | 0.32 | 0.32 | 0.45 | 0.47 | 0.50 | 0.28 |
| 155 ProLogis Park PDX East Solar | 0.10 | 0.10 | 0.07 | 0.05 | 0.03 | 0.02 | 0.02 | 0.04 | 0.06 | 0.08 | 0.08 | 0.11 | 0.11 | 0.12 | 0.07 |
| 156 ProLogis Park PDX Solar | 0.09 | 0.09 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.10 | 0.10 | 0.11 | 0.06 |
| 157 Prospector Wind | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 158 Puyallup Energy Recovery | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| 159 Qualco Dairy Digester | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| 160 Raft River Geothermal | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 161 Raft River Geothermal 1 | 8.30 | 8.30 | 8.30 | 9.00 | 9.00 | 9.00 | 9.00 | 9.40 | 8.50 | 8.30 | 8.30 | 9.00 | 7.60 | 8.30 | 8.64 |
| 162 Raft River Geothermal 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 Raft River Geothermal 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 Railroad Solar Center | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.00 | 2.00 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 2.84 |
| 165 Rainier Bioqas | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 | 0.86 |
| 166 Rattlesnake Road Wind Farm | 16.6 | 24.8 | 23.1 | 18.6 | 26.6 | 20.3 | 10.8 | 17.9 | 20.6 | 36.9 | 31.0 | 33.2 | 32.8 | 32.1 | 24.2 |
| 167 River Bend Landfill | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 |
| 168 Rock Creek Digester | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 169 Rock River Wind | 8.05 | 12.1 | 11.2 | 9.01 | 12.9 | 9.85 | 5.27 | 8.71 | 10.0 | 17.9 | 15.1 | 16.1 | 15.9 | 15.6 | 11.8 |
| 170 Rockland wind | 12.7 | 19.1 | 17.8 | 14.3 | 20.5 | 15.6 | 8.34 | 13.8 | 15.9 | 28.4 | 23.9 | 25.5 | 25.3 | 24.7 | 18.6 |
| 171 Ryegrass Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 172 Salmon Falls Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 173 Sawtooth Wind | 3.61 | 5.41 | 5.03 | 4.04 | 5.79 | 4.41 | 2.36 | 3.90 | 4.49 | 8.03 | 6.75 | 7.22 | 7.14 | 6.98 | 5.27 |

Regional: Renewable Resources

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 174 Shepherds Flat Wind | 136 | 204 | 190 | 152 | 218 | 166 | 89.0 | 147 | 169 | 303 | 255 | 273 | 269 | 263 | 199 |
| 175 Shepherds Flat - Central (South Hurlburt) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 176 Shepherds Flat - North (North Hurlburt) | 42.7 | 64.0 | 59.5 | 47.8 | 68.5 | 52.2 | 27.9 | 46.2 | 53.1 | 95.0 | 79.9 | 85.5 | 84.5 | 82.6 | 62.4 |
| 177 Shepherds Flat - South (Horseshoe Bend) | 46.7 | 70.0 | 65.1 | 52.3 | 74.9 | 57.1 | 30.5 | 50.5 | 58.1 | 104 | 87.4 | 93.5 | 92.5 | 90.4 | 68.3 |
| 178 Short Mountain | 2.30 | 2.30 | 2.40 | 2.60 | 2.80 | 3.00 | 3.10 | 3.00 | 3.00 | 3.10 | 3.10 | 3.00 | 2.20 | 2.30 | 2.73 |
| 179 Simco Solar | 7.98 | 7.98 | 6.28 | 4.50 | 2.61 | 1.73 | 2.27 | 4.09 | 4.97 | 6.10 | 6.10 | 7.24 | 8.34 | 8.30 | 5.37 |
| 180 Star Point Wind | 15.9 | 23.8 | 22.1 | 17.8 | 25.5 | 19.4 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.8 | 31.5 | 30.8 | 23.2 |
| 181 Stateline Wind | 48.3 | 72.5 | 67.4 | 54.1 | 77.6 | 59.1 | 31.6 | 52.3 | 60.2 | 108 | 90.5 | 96.9 | 95.8 | 93.6 | 70.7 |
| 182 Stateline-OR | 19.5 | 29.2 | 27.2 | 21.8 | 31.3 | 23.8 | 12.8 | 21.1 | 24.3 | 43.4 | 36.5 | 39.0 | 38.6 | 37.7 | 28.5 |
| 183 Stateline-WA | 28.9 | 43.3 | 40.2 | 32.3 | 46.3 | 35.3 | 18.9 | 31.2 | 35.9 | 64.2 | 54.0 | 57.8 | 57.2 | 55.9 | 42.2 |
| 184 Steel Bridge Solar | 0.50 | 0.50 | 0.47 | 0.29 | 0.15 | 0.12 | 0.16 | 0.22 | 0.34 | 0.40 | 0.40 | 0.49 | 0.54 | 0.56 | 0.35 |
| 185 Stoltze Biomass | 2.60 | 2.60 | 2.60 | 2.60 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.60 | 2.60 | 2.60 | 2.50 |
| 186 Swager Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 Swauk Wind | 0.68 | 1.03 | 0.95 | 0.77 | 1.10 | 0.84 | 0.45 | 0.74 | 0.85 | 1.52 | 1.28 | 1.37 | 1.36 | 1.33 | 1.00 |
| 188 Thousand Springs Wind Park | 1.93 | 2.90 | 2.69 | 2.16 | 3.10 | 2.36 | 1.26 | 2.09 | 2.40 | 4.30 | 3.62 | 3.87 | 3.83 | 3.74 | 2.83 |
| 189 Threemile Canyon Wind | 1.59 | 2.39 | 2.22 | 1.79 | 2.56 | 1.95 | 1.04 | 1.73 | 1.98 | 3.55 | 2.99 | 3.19 | 3.16 | 3.09 | 2.33 |
| 190 Treasure Valley Digester | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Tuana Gulch Wind | 1.69 | 2.54 | 2.36 | 1.89 | 2.71 | 2.07 | 1.11 | 1.83 | 2.10 | 3.76 | 3.17 | 3.39 | 3.35 | 3.27 | 2.47 |
| 192 Tuana Springs Wind | 2.70 | 4.06 | 3.77 | 3.03 | 4.34 | 3.31 | 1.77 | 2.93 | 3.37 | 6.02 | 5.07 | 5.42 | 5.36 | 5.24 | 3.96 |
| 193 Two Ponds Wind | 3.70 | 5.55 | 5.16 | 4.15 | 5.94 | 4.53 | 2.42 | 4.01 | 4.61 | 8.24 | 6.94 | 7.42 | 7.33 | 7.17 | 5.42 |
| 194 Van Dyk's Holsteins | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 |
| 195 Vander Haak Dairy | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 |
| 196 Vansycle Wind | 20.0 | 29.9 | 27.8 | 22.4 | 32.0 | 24.4 | 13.1 | 21.6 | 24.8 | 44.4 | 37.4 | 40.0 | 39.5 | 38.7 | 29.2 |
| 197 Vansycle 1 | 4.04 | 6.06 | 5.63 | 4.53 | 6.49 | 4.94 | 2.64 | 4.37 | 5.03 | 8.99 | 7.57 | 8.10 | 8.00 | 7.82 | 5.91 |
| 198 Vansycle 2 | 15.9 | 23.9 | 22.2 | 17.8 | 25.6 | 19.5 | 10.4 | 17.2 | 19.8 | 35.4 | 29.8 | 31.9 | 31.5 | 30.8 | 23.3 |
| 199 Vantage Wind | 14.5 | 21.7 | 20.2 | 16.2 | 23.3 | 17.7 | 9.48 | 15.7 | 18.0 | 32.2 | 27.1 | 29.0 | 28.7 | 28.1 | 21.2 |
| 200 Wheat Field Wind | 15.5 | 23.3 | 21.7 | 17.4 | 25.0 | 19.0 | 10.2 | 16.8 | 19.4 | 34.6 | 29.1 | 31.2 | 30.8 | 30.1 | 22.7 |
| 201 White Bluffs Solar | 0.02 | 0.02 | 0.01 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 202 White Creek Wind | 32.2 | 48.3 | 44.9 | 36.1 | 51.7 | 39.4 | 21.1 | 34.9 | 40.1 | 71.7 | 60.3 | 64.5 | 63.8 | 62.3 | 47.1 |
| 203 Wild Horse Wind | 44.0 | 65.9 | 61.3 | 49.2 | 70.5 | 53.8 | 28.8 | 47.6 | 54.7 | 97.8 | 82.3 | 88.0 | 87.0 | 85.1 | 64.3 |
| 204 Wild Horse Solar 1 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 205 Wild Horse Wind 1 | 36.8 | 55.2 | 51.3 | 41.2 | 59.1 | 45.0 | 24.1 | 39.8 | 45.8 | 81.9 | 68.9 | 73.7 | 72.9 | 71.3 | 53.8 |
| 206 Wild Horse Wind 2 | 7.08 | 10.6 | 9.87 | 7.93 | 11.4 | 8.67 | 4.63 | 7.67 | 8.82 | 15.8 | 13.3 | 14.2 | 14.0 | 13.7 | 10.4 |
| 207 Willow Creek Wind | 11.6 | 17.4 | 16.2 | 13.0 | 18.6 | 14.2 | 7.58 | 12.5 | 14.4 | 25.8 | 21.7 | 23.2 | 23.0 | 22.4 | 17.0 |
| 208 Willow Spring Wind Farm | 1.61 | 2.41 | 2.24 | 1.80 | 2.58 | 1.97 | 1.05 | 1.74 | 2.00 | 3.58 | 3.02 | 3.23 | 3.19 | 3.12 | 2.35 |
| 209 Windy Point Wind | 64.2 | 96.3 | 89.5 | 71.9 | 103 | 78.5 | 42.0 | 69.5 | 79.9 | 143 | 120 | 129 | 127 | 124 | 93.9 |
| 210 Windy Point 1 | 22.0 | 33.0 | 30.6 | 24.6 | 35.3 | 26.9 | 14.4 | 23.8 | 27.4 | 48.9 | 41.2 | 44.1 | 43.6 | 42.6 | 32.2 |
| 211 Windy Point 2 | 32.6 | 48.9 | 45.4 | 36.5 | 52.3 | 39.9 | 21.3 | 35.3 | 40.6 | 72.5 | 61.0 | 65.3 | 64.5 | 63.1 | 47.7 |
| 212 Windy Point 2 - Phase 2 | 9.63 | 14.4 | 13.4 | 10.8 | 15.5 | 11.8 | 6.30 | 10.4 | 12.0 | 21.4 | 18.0 | 19.3 | 19.1 | 18.6 | 14.1 |
| 213 Wolverine Creek Wind | 10.4 | 15.6 | 14.5 | 11.6 | 16.7 | 12.7 | 6.79 | 11.2 | 12.9 | 23.1 | 19.4 | 20.8 | 20.6 | 20.1 | 15.2 |
| 214 Yahoo Creek Wind | 3.38 | 5.07 | 4.71 | 3.79 | 5.43 | 4.14 | 2.21 | 3.66 | 4.21 | 7.53 | 6.33 | 6.77 | 6.70 | 6.55 | 4.94 |
| 215 Yamhill Solar | 0.20 | 0.20 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.15 |
| Total Renewable Resources | | | | | | | | | | | | | | | |
| 216 Cooperative | 18.0 | 22.3 | 21.4 | 19.1 | 23.0 | 19.3 | 14.8 | 18.5 | 20.0 | 28.5 | 25.4 | 26.8 | 26.5 | 26.0 | 21.9 |
| 217 Federal Entities | 36.9 | 55.4 | 51.4 | 41.3 | 59.2 | 45.2 | 24.2 | 40.0 | 45.9 | 82.2 | 69.1 | 74.0 | 73.1 | 71.5 | 54.0 |
| 218 Investor Owned Utilities | 915 | 1264 | 1176 | 962 | 1296 | 1015 | 600 | 928 | 1058 | 1767 | 1519 | 1607 | 1574 | 1581 | 1211 |
| 219 Marketer | 137 | 206 | 191 | 153 | 220 | 173 | 92.3 | 153 | 176 | 314 | 264 | 283 | 279 | 273 | 204 |
| 220 Municipality | 205 | 300 | 280 | 228 | 320 | 243 | 137 | 216 | 247 | 429 | 364 | 388 | 384 | 376 | 289 |
| 221 Other | 7.24 | 10.9 | 10.1 | 8.11 | 11.6 | 8.86 | 4.74 | 7.84 | 9.02 | 16.1 | 13.6 | 14.5 | 14.4 | 14.0 | 10.6 |
| 222 Public Utility District | 118 | 165 | 155 | 130 | 176 | 140 | 86.2 | 127 | 142 | 235 | 201 | 214 | 211 | 207 | 162 |
| 223 Total | 1437 | 2023 | 1886 | 1542 | 2106 | 1644 | 959 | 1490 | 1697 | 2872 | 2456 | 2607 | 2562 | 2548 | 1954 |

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Exhibit 31
Regional Cogeneration Resources

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Cogeneration Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|--|
| Cogeneration Resources | | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 | |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 Cogen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | |
| 4 Cogen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 | |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 118 | 246 | 243 | |
| 8 Evergreen Biopower Cogen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 | |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 6.80 | 10.00 | 10.00 | 9.73 | |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 | |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 | |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 458 | 466 | 427 | 461 | 335 | 412 | 0 | 412 | 409 | 431 | 408 | |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 | |
| 16 International Paper Energy Center | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 15.0 | 15.0 | 9.10 | 7.00 | 16.1 | 16.7 | |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 5.77 | 5.77 | 3.50 | 2.69 | 6.19 | 6.41 | |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 9.23 | 9.23 | 5.60 | 4.31 | 9.91 | 10.3 | |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | |
| 25 Nippon Paper Cogen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 | |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 | |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 | |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 | |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| 35 Seneca Sawmill Cogen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 | |
| 39 SP Newsprint cogen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 40 SP Newsprint cogen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 | |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 | |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 | |
| 46 TASC0 - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 | |
| 47 TASC0 - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 49 Vaaqen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 50 Wah Chang Cogen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | |
| 51 Warm Springs Cogen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 | |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 | |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 | |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 | |

**Regional: Cogeneration Resources
Operating Year 2018**

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1571 | 1595 | 1553 | 1574 | 1426 | 1497 | 949 | 1245 | 1354 | 1511 | 1467 |
| 60 Marketer | 725 | 725 | 722 | 723 | 728 | 730 | 731 | 729 | 103 | 721 | 721 | 713 | 718 | 726 | 672 |
| 61 Municipality | 101 | 101 | 98.4 | 100 | 107 | 111 | 113 | 111 | 103 | 100 | 100 | 90.1 | 93.6 | 105 | 103 |
| 62 Public Utility District | 13.1 | 13.1 | 14.2 | 16.6 | 17.3 | 18.8 | 19.4 | 19.0 | 19.1 | 18.2 | 18.2 | 15.5 | 12.9 | 15.7 | 16.6 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2379 | 1831 | 2107 | 2221 | 2401 | 2300 |

Regional: Cogeneration Resources

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 180 | 65.8 | 246 | 233 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 435 | 435 | 404 | 420 | 458 | 465 | 426 | 460 | 454 | 44.8 | 0 | 402 | 408 | 431 | 399 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 15.0 | 15.0 | 10.0 | 7.00 | 16.1 | 16.7 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 5.77 | 5.77 | 3.85 | 2.69 | 6.19 | 6.44 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 9.23 | 9.23 | 6.15 | 4.31 | 9.91 | 10.3 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1521 | 1521 | 1494 | 1507 | 1570 | 1594 | 1552 | 1573 | 1545 | 1130 | 949 | 1178 | 1300 | 1511 | 1449 |
| 60 Marketer | 725 | 725 | 722 | 723 | 728 | 730 | 731 | 729 | 103 | 721 | 721 | 714 | 718 | 726 | 672 |
| 61 Municipality | 101 | 101 | 98.4 | 100 | 107 | 111 | 113 | 111 | 103 | 100 | 100 | 90.6 | 93.6 | 105 | 103 |
| 62 Public Utility District | 13.1 | 13.1 | 14.2 | 16.6 | 17.3 | 18.8 | 19.4 | 19.0 | 19.1 | 18.2 | 18.2 | 15.5 | 12.9 | 15.7 | 16.6 |
| 63 Total | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2012 | 1831 | 2041 | 2167 | 2400 | 2282 |

Regional: Cogeneration Resources

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.9 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.7 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.57 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.68 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 13.5 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 142 | 246 | 245 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 6.80 | 10.00 | 10.00 | 9.73 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 421 | 467 | 429 | 461 | 337 | 418 | 0 | 395 | 406 | 399 | 401 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 12.0 | 12.0 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.62 | 4.62 | 3.50 | 2.69 | 6.19 | 6.32 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.38 | 7.38 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1533 | 1595 | 1555 | 1575 | 1427 | 1504 | 949 | 1228 | 1374 | 1479 | 1462 |
| 60 Marketer | 725 | 725 | 722 | 733 | 737 | 741 | 741 | 739 | 113 | 725 | 725 | 718 | 721 | 735 | 678 |
| 61 Municipality | 101 | 101 | 98.4 | 90.6 | 97.5 | 101 | 102 | 101 | 92.3 | 92.6 | 92.6 | 85.6 | 90.1 | 97.1 | 95.7 |
| 62 Public Utility District | 13.1 | 13.1 | 14.2 | 16.6 | 17.3 | 18.8 | 19.4 | 19.0 | 19.1 | 18.2 | 18.2 | 15.5 | 12.9 | 15.7 | 16.6 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2382 | 1828 | 2090 | 2241 | 2368 | 2295 |

Regional: Cogeneration Resources

Operating Year 2021

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 118 | 246 | 243 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 458 | 466 | 427 | 461 | 335 | 412 | 0 | 412 | 409 | 431 | 408 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 11.9 | 11.9 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.58 | 4.58 | 3.50 | 2.69 | 6.19 | 6.31 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.32 | 7.32 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

**Regional: Cogeneration Resources
Operating Year 2021**

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 48.7 | 52.7 | 37.3 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1571 | 1595 | 1553 | 1574 | 1426 | 1497 | 949 | 1248 | 1354 | 1511 | 1467 |
| 60 Marketer | 734 | 734 | 729 | 733 | 737 | 741 | 741 | 739 | 113 | 725 | 725 | 718 | 721 | 735 | 680 |
| 61 Municipality | 91.6 | 91.6 | 91.8 | 90.6 | 97.5 | 101 | 102 | 101 | 92.3 | 92.6 | 92.6 | 85.6 | 83.0 | 88.1 | 93.0 |
| 62 Public Utility District | 13.1 | 13.1 | 14.2 | 16.6 | 17.3 | 18.8 | 19.4 | 19.0 | 19.1 | 18.2 | 18.2 | 15.5 | 5.80 | 6.60 | 15.3 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2376 | 1828 | 2110 | 2221 | 2401 | 2300 |

Regional: Cogeneration Resources

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 180 | 65.8 | 246 | 233 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 6.80 | 10.00 | 10.00 | 9.73 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 435 | 435 | 404 | 420 | 458 | 465 | 426 | 460 | 454 | 44.8 | 0 | 402 | 408 | 431 | 399 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Center | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 11.9 | 11.9 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 Intenational Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.58 | 4.58 | 3.50 | 2.69 | 6.19 | 6.31 |
| 18 Intenational Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.32 | 7.32 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packagi | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlach NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlach Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TESCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TESCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1521 | 1521 | 1494 | 1507 | 1570 | 1594 | 1552 | 1573 | 1545 | 1130 | 949 | 1175 | 1300 | 1511 | 1449 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 766 | 766 | 753 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2009 | 1828 | 2037 | 2167 | 2400 | 2282 |

Regional: Cogeneration Resources

Operating Year 2023

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 142 | 246 | 245 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 421 | 467 | 429 | 461 | 337 | 418 | 0 | 395 | 406 | 399 | 401 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 15.0 | 15.0 | 9.10 | 7.00 | 16.1 | 16.7 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 5.77 | 5.77 | 3.50 | 2.69 | 6.19 | 6.41 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 9.23 | 9.23 | 5.60 | 4.31 | 9.91 | 10.3 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1533 | 1595 | 1555 | 1574 | 1427 | 1504 | 949 | 1232 | 1374 | 1479 | 1462 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 769 | 769 | 753 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2385 | 1831 | 2093 | 2241 | 2368 | 2295 |

Regional: Cogeneration Resources

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.9 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.7 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.57 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.68 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 13.5 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 118 | 246 | 243 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 6.80 | 10.00 | 10.00 | 9.73 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 458 | 466 | 427 | 461 | 335 | 412 | 0 | 412 | 409 | 431 | 408 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Center | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 15.0 | 15.0 | 10.0 | 7.00 | 16.1 | 16.7 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 5.77 | 5.77 | 3.85 | 2.69 | 6.19 | 6.44 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 9.23 | 9.23 | 6.15 | 4.31 | 9.91 | 10.3 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

**Regional: Cogeneration Resources
Operating Year 2024**

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1571 | 1595 | 1553 | 1575 | 1426 | 1497 | 949 | 1245 | 1354 | 1511 | 1467 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 769 | 769 | 754 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2379 | 1831 | 2108 | 2221 | 2401 | 2301 |

Regional: Cogeneration Resources

Operating Year 2025

2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 180 | 65.8 | 246 | 233 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 435 | 435 | 404 | 420 | 458 | 465 | 426 | 460 | 454 | 44.8 | 0 | 402 | 408 | 431 | 399 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 12.0 | 12.0 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.62 | 4.62 | 3.50 | 2.69 | 6.19 | 6.31 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.38 | 7.38 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TESCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TESCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1521 | 1521 | 1494 | 1507 | 1570 | 1594 | 1552 | 1573 | 1545 | 1130 | 949 | 1178 | 1300 | 1511 | 1449 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 766 | 766 | 753 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2403 | 2403 | 2371 | 2389 | 2465 | 2497 | 2457 | 2475 | 1812 | 2009 | 1828 | 2040 | 2167 | 2400 | 2282 |

Regional: Cogeneration Resources

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 142 | 246 | 245 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 6.80 | 10.00 | 10.00 | 9.73 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 421 | 467 | 429 | 461 | 337 | 418 | 0 | 395 | 406 | 399 | 401 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 11.9 | 11.9 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.58 | 4.58 | 3.50 | 2.69 | 6.19 | 6.31 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.32 | 7.32 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TASCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TASCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1533 | 1595 | 1555 | 1574 | 1427 | 1504 | 949 | 1228 | 1374 | 1479 | 1462 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 766 | 766 | 753 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2428 | 2498 | 2460 | 2476 | 1695 | 2382 | 1828 | 2090 | 2241 | 2368 | 2295 |

Regional: Cogeneration Resources

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cogeneration Resources | | | | | | | | | | | | | | | |
| 1 Biomass One | 14.9 | 14.9 | 14.4 | 14.9 | 14.4 | 14.9 | 14.9 | 13.4 | 14.9 | 14.4 | 14.4 | 14.9 | 14.4 | 14.9 | 14.6 |
| 2 Boise Cascade Medford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 CoGen Co | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 | 5.63 |
| 4 CoGen Co 2 | 5.95 | 5.95 | 5.76 | 5.95 | 5.76 | 5.95 | 5.95 | 5.38 | 5.95 | 7.20 | 0 | 5.95 | 5.76 | 5.95 | 5.67 |
| 5 Cosmopolis Specialty Fibres | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| 6 Coyote Springs | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 | 209 |
| 7 Coyote Springs 2 | 249 | 249 | 257 | 245 | 259 | 272 | 271 | 262 | 248 | 245 | 245 | 240 | 118 | 246 | 243 |
| 8 Evergreen Biopower CoGen | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 | 7.50 |
| 9 Ferndale Cogeneration Station | 238 | 238 | 241 | 245 | 250 | 253 | 253 | 251 | 249 | 247 | 247 | 0 | 241 | 238 | 225 |
| 10 Georgia-Pacific (Toledo) | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 |
| 11 Georgia-Pacific Paper (Camas) | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| 12 Haleywest L.L.C | 4.54 | 4.54 | 4.15 | 4.58 | 4.39 | 4.41 | 3.96 | 4.02 | 4.19 | 3.73 | 3.73 | 4.24 | 4.29 | 3.86 | 4.20 |
| 13 Hampton Lumber Mill (Darrington) | 1.90 | 1.90 | 2.00 | 2.40 | 2.50 | 2.50 | 2.40 | 2.50 | 2.60 | 2.20 | 2.20 | 1.00 | 0.80 | 1.60 | 2.03 |
| 14 Hermiston Generation Project | 436 | 436 | 442 | 413 | 458 | 466 | 427 | 461 | 335 | 412 | 0 | 412 | 409 | 431 | 408 |
| 15 Hermiston Power Project | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 0 | 620 | 620 | 620 | 620 | 620 | 567 |
| 16 International Paper Energy Centre | 18.1 | 18.1 | 13.1 | 19.4 | 19.1 | 21.6 | 21.0 | 19.9 | 20.4 | 11.9 | 11.9 | 9.10 | 7.00 | 16.1 | 16.4 |
| 17 International Paper Energy Center 2 | 6.96 | 6.96 | 5.04 | 7.46 | 7.35 | 8.31 | 8.08 | 7.65 | 7.85 | 4.58 | 4.58 | 3.50 | 2.69 | 6.19 | 6.31 |
| 18 International Paper Energy Center 1 | 11.1 | 11.1 | 8.06 | 11.9 | 11.8 | 13.3 | 12.9 | 12.2 | 12.6 | 7.32 | 7.32 | 5.60 | 4.31 | 9.91 | 10.1 |
| 19 InterFor Pacific - Gilchrist | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 |
| 20 Longview Fibre Paper & Packaging | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 21 Longview Fibre Paper & Packaging 1 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 22 Longview Fibre Paper & Packaging 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 March Point Cogeneration | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 24 Metro West Point | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| 25 Nippon Paper CoGen (Port Angel) | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 | 18.0 |
| 26 Port Townsend Mill | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 | 6.70 |
| 27 Port Townsend Mill 1 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 |
| 28 Port Townsend Mill 2 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 | 6.51 |
| 29 Potlatch | 64.4 | 64.4 | 57.8 | 58.2 | 64.4 | 64.0 | 62.7 | 62.0 | 54.7 | 57.4 | 57.4 | 62.7 | 56.7 | 62.8 | 60.6 |
| 30 Potlatch NG 1 | 9.63 | 9.63 | 8.64 | 8.70 | 9.63 | 9.55 | 9.36 | 9.25 | 8.17 | 8.57 | 8.57 | 9.36 | 8.47 | 9.38 | 9.06 |
| 31 Potlatch Wood Waste 1 | 54.8 | 54.8 | 49.2 | 49.5 | 54.8 | 54.4 | 53.3 | 52.7 | 46.5 | 48.8 | 48.8 | 53.3 | 48.2 | 53.4 | 51.6 |
| 32 Rough & Ready Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 33 Rupert Cogeneration Facility | 7.55 | 7.55 | 8.01 | 9.42 | 9.40 | 8.65 | 8.25 | 9.05 | 9.12 | 7.70 | 7.70 | 7.53 | 7.97 | 8.05 | 8.39 |
| 34 SDS Lumber | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| 35 Seneca Sawmill CoGen | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| 36 Sierra Pacific - Aberdeen | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| 37 Sierra Pacific - Burlington | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 |
| 38 Simplot Pocatello | 9.75 | 9.75 | 9.32 | 8.88 | 8.12 | 8.12 | 7.81 | 9.22 | 8.57 | 8.30 | 8.30 | 7.47 | 4.06 | 8.57 | 8.18 |
| 39 SP Newsprint coGen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 SP Newsprint coGen 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 SP Newsprint Wood Waste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Sumas | 125 | 125 | 126 | 129 | 131 | 132 | 133 | 131 | 130 | 129 | 0 | 128 | 126 | 125 | 123 |
| 43 Sumas Compressor Station | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| 44 Tacoma Biomass (WestRock) | 44.9 | 44.9 | 44.1 | 40.9 | 47.2 | 48.7 | 49.6 | 48.9 | 40.4 | 41.1 | 41.1 | 35.5 | 42.5 | 47.6 | 44.3 |
| 45 Tamarack | 4.53 | 4.53 | 4.45 | 3.60 | 4.09 | 4.00 | 3.86 | 3.93 | 3.49 | 3.42 | 3.42 | 3.11 | 3.99 | 4.40 | 3.91 |
| 46 TESCO - Nampa | 0.20 | 0.20 | 0.16 | 0.06 | 0 | 0 | 0 | 0.02 | 0.04 | 0.03 | 0.03 | 0 | 0.05 | 0.16 | 0.06 |
| 47 TESCO - Twin Falls | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 48 Thompson River Co-Gen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Vaagen Bros. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Wah Chang CoGen | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 51 Warm Springs CoGen | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 52 Wauna | 12.4 | 12.4 | 14.4 | 18.4 | 19.6 | 22.6 | 24.0 | 23.0 | 23.0 | 22.0 | 22.0 | 19.1 | 14.2 | 18.1 | 19.2 |
| 53 Weyerhaeuser Longview | 35.7 | 35.7 | 35.1 | 32.5 | 37.5 | 38.7 | 39.5 | 38.8 | 32.1 | 32.7 | 32.7 | 28.2 | 33.8 | 37.8 | 35.2 |
| 54 Weyerhaeuser Longview 2 | 18.7 | 18.7 | 18.4 | 17.1 | 19.7 | 20.3 | 20.7 | 20.4 | 16.8 | 17.2 | 17.2 | 14.8 | 17.8 | 19.9 | 18.5 |
| 55 Weyerhaeuser Longview 1 | 16.9 | 16.9 | 16.6 | 15.4 | 17.8 | 18.4 | 18.7 | 18.4 | 15.2 | 15.5 | 15.5 | 13.4 | 16.0 | 17.9 | 16.7 |

Regional: Cogeneration Resources

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Total Cogeneration Resources | | | | | | | | | | | | | | | |
| 56 Cooperative | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 | 7.94 |
| 57 Direct Service Industry | 47.0 | 47.0 | 49.0 | 52.9 | 54.1 | 57.2 | 58.5 | 57.6 | 57.5 | 56.5 | 56.5 | 53.6 | 48.7 | 52.7 | 53.8 |
| 58 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 Investor Owned Utilities | 1522 | 1522 | 1532 | 1500 | 1571 | 1595 | 1553 | 1574 | 1426 | 1497 | 949 | 1248 | 1354 | 1511 | 1467 |
| 60 Marketer | 779 | 779 | 773 | 773 | 784 | 790 | 791 | 788 | 154 | 766 | 766 | 753 | 764 | 782 | 724 |
| 61 Municipality | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| 62 Public Utility District | 6.90 | 6.90 | 7.00 | 7.40 | 7.50 | 7.50 | 7.40 | 7.50 | 7.60 | 7.20 | 7.20 | 6.00 | 5.80 | 6.60 | 7.03 |
| 63 Total | 2404 | 2404 | 2409 | 2382 | 2465 | 2498 | 2458 | 2476 | 1693 | 2376 | 1828 | 2110 | 2221 | 2401 | 2300 |

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Exhibit 32
Regional Large Thermal Resources

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Large Thermal Resources
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg | |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| Large Thermal Resources | | | | | | | | | | | | | | | | |
| 1 Boardman | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 0 | 489 | 489 | 448 | |
| 2 Centralia Complex | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 667 | 1253 | 1253 | 1203 | |
| 3 Centralia 1 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 | |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 | |
| 5 Colstrip | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1346 | 1232 | 1441 | 1415 | |
| 6 Colstrip 1 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 93.0 | 0 | 141 | 125 | |
| 7 Colstrip 2 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 93.0 | 72.5 | 141 | 131 | |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1924 | 1737 | 1541 | 1602 | 1924 | 1909 | 1863 | |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 429 | 429 | 161 | 483 | 483 | 451 | |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 503 | 503 | 503 | 503 | 503 | 488 | 493 | |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 | |
| 16 Valmy | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 152 | 235 | 235 | 209 | 235 | 235 | 225 | |
| 17 North Valmy 1 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 74.1 | 114 | 114 | 102 | 114 | 114 | 110 | |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 | |
| Total Large Thermal Resources | | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | |
| 20 Investor Owned Utilities | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4361 | 4257 | 4061 | 3346 | 4235 | 4428 | 4293 | |
| 21 Marketer | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 478 | 897 | 897 | 862 | |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 23 Total | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6359 | 6255 | 6058 | 4924 | 6233 | 6426 | 6255 | |

Regional: Large Thermal Resources
Operating Year 2019
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 0 | 489 | 489 | 448 |
| 2 Centralia Complex | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 667 | 1253 | 1253 | 1203 |
| 3 Centralia 1 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 5 Colstrip | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1417 | 742 | 742 | 1051 | 1441 | 1441 | 1348 |
| 6 Colstrip 1 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 127 | 127 | 114 | 141 | 141 | 137 |
| 7 Colstrip 2 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 127 | 127 | 114 | 141 | 141 | 137 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 655 | 8.30 | 8.30 | 344 | 679 | 679 | 593 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1730 | 1743 | 1547 | 1924 | 1924 | 1909 | 1875 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 435 | 435 | 483 | 483 | 483 | 479 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 308 | 503 | 503 | 503 | 503 | 488 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 152 | 235 | 235 | 209 | 235 | 235 | 225 |
| 17 North Valmy 1 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 74.1 | 114 | 114 | 102 | 114 | 114 | 110 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 20 Investor Owned Utilities | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4143 | 3564 | 3368 | 3374 | 4444 | 4428 | 4237 |
| 21 Marketer | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 478 | 897 | 897 | 862 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6140 | 5562 | 5365 | 4206 | 5341 | 6319 | 6036 |

Regional: Large Thermal Resources
Operating Year 2020
2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 0 | 489 | 489 | 448 |
| 2 Centralia Complex | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 1253 | 667 | 1253 | 1253 | 1203 |
| 3 Centralia 1 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 5 Colstrip | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1407 | 966 | 966 | 919 | 1230 | 1441 | 1338 |
| 6 Colstrip 1 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 138 | 138 | 68.0 | 70.5 | 141 | 128 |
| 7 Colstrip 2 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 138 | 138 | 0 | 0 | 141 | 117 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 447 | 11.2 | 11.2 | 172 | 481 | 481 | 413 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1892 | 1470 | 1273 | 1602 | 1924 | 1909 | 1839 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 451 | 161 | 161 | 161 | 483 | 483 | 427 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 503 | 503 | 503 | 503 | 503 | 488 | 493 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 152 | 235 | 235 | 209 | 235 | 235 | 226 |
| 17 North Valmy 1 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 74.1 | 114 | 114 | 102 | 114 | 114 | 110 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 20 Investor Owned Utilities | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 4296 | 3515 | 3319 | 2919 | 4233 | 4428 | 4191 |
| 21 Marketer | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 478 | 897 | 897 | 862 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6426 | 6293 | 5513 | 5316 | 4497 | 6231 | 6426 | 6152 |

Regional: Large Thermal Resources
Operating Year 2021
2016 White Book Report Date: 9/20/2016

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| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 489 | 489 | 489 | 489 | 489 | 489 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | 164 |
| 2 Centralia Complex | 1253 | 1253 | 1253 | 1253 | 1253 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 811 |
| 3 Centralia 1 | 626 | 626 | 626 | 626 | 626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 5 Colstrip | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1346 | 1232 | 1441 | 1415 |
| 6 Colstrip 1 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 93.0 | 0 | 141 | 125 |
| 7 Colstrip 2 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 93.0 | 72.5 | 141 | 131 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1730 | 1792 | 1596 | 1924 | 1924 | 1909 | 1878 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 308 | 503 | 503 | 503 | 503 | 488 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 152 | 235 | 235 | 209 | 235 | 235 | 225 |
| 17 North Valmy 1 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 74.1 | 114 | 114 | 102 | 114 | 114 | 110 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 20 Investor Owned Utilities | 4428 | 4428 | 4428 | 4428 | 4428 | 4428 | 3939 | 3939 | 3677 | 3822 | 3626 | 3179 | 3746 | 3939 | 4024 |
| 21 Marketer | 897 | 897 | 897 | 897 | 897 | 271 | 271 | 271 | 271 | 271 | 271 | 144 | 271 | 271 | 470 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 6426 | 6426 | 6426 | 6426 | 6426 | 5800 | 5310 | 5310 | 5049 | 5194 | 4997 | 3678 | 4017 | 5204 | 5431 |

Regional: Large Thermal Resources
Operating Year 2022
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.5 |
| 2 Centralia Complex | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 596 | 313 | 313 | 536 | 626 | 626 | 590 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 596 | 313 | 313 | 536 | 626 | 626 | 590 |
| 5 Colstrip | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1441 | 1417 | 756 | 756 | 1031 | 1441 | 1160 | 1324 |
| 6 Colstrip 1 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 93.0 | 141 | 0 | 125 |
| 7 Colstrip 2 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 141 | 127 | 127 | 114 | 141 | 0 | 125 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 655 | 8.30 | 8.30 | 344 | 679 | 679 | 593 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1924 | 1481 | 1284 | 1924 | 1924 | 1909 | 1869 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 172 | 172 | 483 | 483 | 483 | 458 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 503 | 503 | 503 | 503 | 503 | 488 | 493 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 235 | 235 | 235 | 235 | 235 | 235 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 164 |
| 17 North Valmy 1 | 114 | 114 | 114 | 114 | 114 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48.0 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 20 Investor Owned Utilities | 3939 | 3939 | 3939 | 3939 | 3939 | 3939 | 3825 | 3825 | 3757 | 2535 | 2338 | 2877 | 3840 | 3544 | 3650 |
| 21 Marketer | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 258 | 136 | 136 | 232 | 271 | 271 | 256 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 5310 | 5310 | 5310 | 5310 | 5310 | 5310 | 5196 | 5196 | 5115 | 3770 | 3574 | 4209 | 5211 | 4915 | 5005 |

Regional: Large Thermal Resources
Operating Year 2023
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.5 |
| 2 Centralia Complex | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 596 | 313 | 313 | 536 | 626 | 626 | 590 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 596 | 313 | 313 | 536 | 626 | 626 | 590 |
| 5 Colstrip | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1126 | 690 | 690 | 851 | 1160 | 1160 | 1092 |
| 6 Colstrip 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 447 | 11.2 | 11.2 | 172 | 481 | 481 | 413 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1730 | 1792 | 1596 | 1924 | 1924 | 1909 | 1878 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 308 | 503 | 503 | 503 | 503 | 488 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| 17 North Valmy 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 20 Investor Owned Utilities | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3272 | 2780 | 2584 | 2697 | 3559 | 3544 | 3379 |
| 21 Marketer | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 258 | 136 | 136 | 232 | 271 | 271 | 256 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4630 | 4016 | 3819 | 3284 | 3830 | 4809 | 4572 |

Regional: Large Thermal Resources
Operating Year 2024
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.4 |
| 2 Centralia Complex | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 5 Colstrip | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 |
| 6 Colstrip 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1924 | 1737 | 1541 | 1602 | 1924 | 1909 | 1863 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 429 | 429 | 161 | 483 | 483 | 451 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 503 | 503 | 503 | 503 | 503 | 488 | 493 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| 17 North Valmy 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 20 Investor Owned Utilities | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3517 | 3372 | 3176 | 2569 | 3559 | 3544 | 3438 |
| 21 Marketer | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 144 | 271 | 271 | 260 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4888 | 4744 | 4547 | 3813 | 4930 | 4915 | 4799 |

Regional: Large Thermal Resources
Operating Year 2025
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.5 |
| 2 Centralia Complex | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 626 | 333 | 626 | 626 | 601 |
| 5 Colstrip | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1136 | 489 | 489 | 824 | 1160 | 1160 | 1074 |
| 6 Colstrip 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 655 | 8.30 | 8.30 | 344 | 679 | 679 | 593 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1730 | 1743 | 1547 | 1924 | 1924 | 1909 | 1875 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 435 | 435 | 483 | 483 | 483 | 479 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 308 | 503 | 503 | 503 | 503 | 488 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| 17 North Valmy 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 77.9 | 120 | 120 | 107 | 120 | 120 | 116 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 20 Investor Owned Utilities | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3544 | 3298 | 2708 | 2511 | 2556 | 3559 | 3544 | 3364 |
| 21 Marketer | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 271 | 144 | 271 | 271 | 260 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4915 | 4670 | 4079 | 3882 | 3055 | 3830 | 4809 | 4561 |

Regional: Large Thermal Resources
Operating Year 2026
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.5 |
| 2 Centralia Complex | 626 | 626 | 626 | 626 | 626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 626 | 626 | 626 | 626 | 626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| 5 Colstrip | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1126 | 690 | 690 | 851 | 1160 | 1160 | 1092 |
| 6 Colstrip 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 447 | 11.2 | 11.2 | 172 | 481 | 481 | 413 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1892 | 1470 | 1273 | 1602 | 1924 | 1909 | 1838 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 451 | 161 | 161 | 161 | 483 | 483 | 427 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 503 | 503 | 503 | 503 | 503 | 488 | 493 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 120 | 120 | 120 | 120 | 120 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.4 |
| 17 North Valmy 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 120 | 120 | 120 | 120 | 120 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50.4 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| 20 Investor Owned Utilities | 3544 | 3544 | 3544 | 3544 | 3544 | 3189 | 3068 | 3068 | 3019 | 2160 | 1964 | 1964 | 3084 | 3068 | 3058 |
| 21 Marketer | 271 | 271 | 271 | 271 | 271 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90.7 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 4915 | 4915 | 4915 | 4915 | 4915 | 4289 | 4168 | 4168 | 4119 | 3260 | 3064 | 3064 | 4184 | 4168 | 4249 |

Regional: Large Thermal Resources
Operating Year 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Large Thermal Resources | | | | | | | | | | | | | | | |
| 1 Boardman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -489 | 0 | 0 | -41.5 |
| 2 Centralia Complex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Centralia 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Centralia 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 | 1160 |
| 6 Colstrip 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Colstrip 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Colstrip 3 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 | 481 |
| 9 Colstrip 4 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 | 679 |
| 10 Columbia Generating Station | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 11 Jim Bridger | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1909 | 1730 | 1792 | 1596 | 1924 | 1924 | 1909 | 1878 |
| 12 Jim Bridger #1 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 | 483 |
| 13 Jim Bridger #2 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 488 | 308 | 503 | 503 | 503 | 503 | 488 | 476 |
| 14 Jim Bridger #3 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 | 477 |
| 15 Jim Bridger #4 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 461 | 329 | 132 | 461 | 461 | 461 | 442 |
| 16 Valmy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 North Valmy 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 North Valmy 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Large Thermal Resources | | | | | | | | | | | | | | | |
| 19 Federal Entities | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 355 | 0 | 994 | 937 |
| 20 Investor Owned Utilities | 3068 | 3068 | 3068 | 3068 | 3068 | 3068 | 3068 | 3068 | 2889 | 2952 | 2755 | 2595 | 3084 | 3068 | 2997 |
| 21 Marketer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 4168 | 3989 | 4052 | 3855 | 2950 | 3084 | 4062 | 3934 |

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Exhibit 33
Regional Small Thermal & Miscellaneous

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional: Small Thermal & Miscellaneous

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

Regional: Small Thermal & Miscellaneous

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 1 Bangor Submarine Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 Bangor Base 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 Bangor Base 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Boundary IC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Colstrip Energy Project | 6.44 | 6.58 | 10.3 | 11.4 | 8.79 | 12.7 | 13.2 | 12.1 | 10.9 | 10.3 | 10.0 | 13.3 | 11.3 | 9.31 | 10.8 |
| 6 Covanta Marion Solid Waste | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 | 9.70 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Hooley Digester | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 9 Pocatello Waste | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| 10 Puget Sound Shipyards Diesel G | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Salmon Diesel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Spokane MSW | 13.7 | 13.7 | 15.4 | 16.1 | 17.6 | 15.3 | 14.6 | 14.0 | 16.9 | 13.4 | 13.4 | 14.3 | 11.8 | 15.9 | 14.9 |
| 13 West Boise Waste | 0.12 | 0.12 | 0.13 | 0.12 | 0.13 | 0.12 | 0.12 | 0.14 | 0.12 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 |
| Total Small Thermal & Miscellaneous | | | | | | | | | | | | | | | |
| 14 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Investor Owned Utilities | 30.1 | 30.2 | 35.7 | 37.4 | 36.3 | 37.9 | 37.7 | 36.1 | 37.7 | 33.6 | 33.4 | 37.5 | 33.0 | 35.1 | 35.7 |
| 16 Municipality | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 Public Utility District | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| 18 Total | 30.3 | 30.4 | 35.9 | 37.6 | 36.5 | 38.1 | 37.9 | 36.3 | 37.9 | 33.8 | 33.6 | 37.7 | 33.2 | 35.3 | 35.9 |

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Exhibit 34
Non-Federal CER Deliveries to BPA

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Non-Federal CER Deliveries to BPA
Operating Year: 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 18.7 | 18.5 | 17.8 | 17.9 | 17.3 | 18.0 | 17.7 | 18.0 | 16.5 | 17.9 | 18.0 | 17.9 | 17.3 | 17.9 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 38.5 | 38.1 | 36.6 | 37.5 | 36.3 | 37.7 | 37.1 | 37.8 | 34.7 | 37.6 | 37.7 | 37.6 | 36.3 | 37.3 |
| 3 DOPD to BPA CEAEA for Wells | 24.3 | 24.5 | 24.3 | 23.5 | 24.2 | 23.5 | 24.4 | 24.0 | 23.9 | 22.4 | 24.3 | 24.4 | 24.3 | 23.5 | 24.0 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 29.5 | 29.8 | 29.5 | 28.5 | 29.4 | 28.5 | 29.8 | 29.7 | 30.2 | 27.2 | 29.5 | 29.6 | 29.5 | 28.5 | 29.3 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.3 | 28.6 | 28.3 | 27.8 | 28.8 | 28.0 | 29.0 | 28.6 | 29.1 | 26.1 | 28.3 | 28.5 | 28.3 | 27.4 | 28.3 |
| 6 Total Imports From PNW | 139 | 140 | 139 | 134 | 138 | 134 | 139 | 137 | 139 | 127 | 138 | 138 | 138 | 133 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 17.9 | 18.1 | 17.2 | 18.1 | 18.5 | 17.9 | 18.6 | 18.3 | 17.9 | 18.5 | 18.5 | 18.6 | 17.8 | 18.6 | 18.2 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 37.6 | 37.9 | 36.1 | 37.7 | 37.5 | 36.3 | 38.3 | 37.7 | 37.0 | 38.1 | 38.1 | 38.3 | 36.7 | 38.3 | 37.5 |
| 3 DOPD to BPA CEAEA for Wells | 24.3 | 24.5 | 23.3 | 24.4 | 24.2 | 23.4 | 23.8 | 23.4 | 23.0 | 23.7 | 23.7 | 23.8 | 22.8 | 23.8 | 23.7 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 29.5 | 29.8 | 28.3 | 29.6 | 29.4 | 28.5 | 29.6 | 29.1 | 28.3 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.9 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.3 | 28.6 | 27.2 | 28.5 | 28.3 | 27.5 | 29.0 | 28.6 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.4 |
| 6 Total Imports From PNW | 138 | 139 | 132 | 138 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 18.7 | 17.8 | 18.6 | 18.5 | 17.9 | 18.6 | 18.4 | 17.9 | 18.5 | 18.5 | 17.9 | 18.5 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 38.5 | 36.7 | 38.3 | 38.1 | 36.9 | 38.3 | 37.9 | 37.0 | 38.1 | 38.1 | 36.9 | 38.1 | 38.3 | 37.7 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 23.9 | 22.8 | 23.8 | 23.7 | 22.9 | 23.8 | 23.6 | 23.0 | 23.7 | 23.7 | 22.9 | 23.7 | 23.8 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 29.2 | 27.8 | 29.0 | 28.8 | 28.0 | 29.0 | 28.7 | 28.0 | 28.9 | 28.9 | 28.0 | 28.9 | 29.0 | 28.6 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.9 | 29.2 | 27.8 | 29.0 | 28.8 | 28.0 | 29.0 | 28.7 | 28.0 | 28.9 | 28.9 | 28.0 | 28.9 | 29.0 | 28.6 |
| 6 Total Imports From PNW | 138 | 139 | 133 | 139 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 134 | 138 | 139 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 17.3 | 18.5 | 18.6 | 17.8 | 18.6 | 17.9 | 18.3 | 18.6 | 18.5 | 18.5 | 17.9 | 18.5 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 35.8 | 38.1 | 38.3 | 36.6 | 38.3 | 36.9 | 37.7 | 38.4 | 38.1 | 38.1 | 36.9 | 38.1 | 38.3 | 37.7 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 22.2 | 23.7 | 23.8 | 22.7 | 23.8 | 22.9 | 23.4 | 23.8 | 23.7 | 23.7 | 22.9 | 23.7 | 23.8 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 27.1 | 28.9 | 29.0 | 27.7 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 28.9 | 28.0 | 28.9 | 29.0 | 28.6 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.9 | 27.1 | 28.9 | 29.0 | 27.7 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 28.9 | 28.0 | 28.9 | 29.0 | 28.6 |
| 6 Total Imports From PNW | 138 | 129 | 138 | 139 | 133 | 139 | 134 | 137 | 139 | 138 | 138 | 134 | 138 | 139 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 17.1 | 18.7 | 18.5 | 17.9 | 18.5 | 18.6 | 17.9 | 18.3 | 18.6 | 18.5 | 18.5 | 17.9 | 18.5 | 17.9 | 18.2 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 35.2 | 38.5 | 38.1 | 36.9 | 38.1 | 38.3 | 36.9 | 37.7 | 38.4 | 38.1 | 38.1 | 36.9 | 38.1 | 36.9 | 37.6 |
| 3 DOPD to BPA CEAEA for Wells | 21.9 | 23.9 | 23.7 | 22.9 | 23.7 | 23.8 | 22.9 | 23.4 | 23.8 | 23.7 | 23.7 | 22.9 | 23.7 | 22.9 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 26.7 | 29.2 | 28.9 | 28.0 | 28.8 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 28.9 | 28.0 | 28.9 | 28.0 | 28.5 |
| 5 GCPD to BPA CEAEA for Wanpum | 26.7 | 29.2 | 28.9 | 28.0 | 28.8 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 28.9 | 28.0 | 28.9 | 28.0 | 28.5 |
| 6 Total Imports From PNW | 127 | 139 | 138 | 134 | 138 | 139 | 134 | 137 | 139 | 138 | 138 | 134 | 138 | 134 | 136 |

Non-Federal CER Deliveries to BPA

Operating Year: 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 18.7 | 18.5 | 17.9 | 18.5 | 18.6 | 17.9 | 18.3 | 18.6 | 18.5 | 17.1 | 18.6 | 18.5 | 17.9 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 38.5 | 38.1 | 36.9 | 38.1 | 38.3 | 36.9 | 37.7 | 38.4 | 38.1 | 35.2 | 38.3 | 38.1 | 36.9 | 37.7 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 23.9 | 23.7 | 22.9 | 23.7 | 23.8 | 22.9 | 23.4 | 23.8 | 23.7 | 21.9 | 23.8 | 23.7 | 22.9 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 29.2 | 28.9 | 28.0 | 28.8 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 26.7 | 29.0 | 28.9 | 28.0 | 28.6 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.9 | 29.2 | 28.9 | 28.0 | 28.8 | 29.0 | 28.0 | 28.6 | 29.1 | 28.9 | 26.7 | 29.0 | 28.9 | 28.0 | 28.6 |
| 6 Total Imports From PNW | 138 | 139 | 138 | 134 | 138 | 139 | 134 | 137 | 139 | 138 | 127 | 139 | 138 | 134 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 18.7 | 18.5 | 17.9 | 18.5 | 17.9 | 18.6 | 18.4 | 17.9 | 18.5 | 18.5 | 18.6 | 17.8 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 38.5 | 38.1 | 36.9 | 38.1 | 36.9 | 38.3 | 37.9 | 37.0 | 38.1 | 38.1 | 38.3 | 36.7 | 38.3 | 37.7 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 23.9 | 23.7 | 22.9 | 23.7 | 22.9 | 23.8 | 23.6 | 23.0 | 23.7 | 23.7 | 23.8 | 22.8 | 23.8 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 29.2 | 28.9 | 28.0 | 28.8 | 28.0 | 29.0 | 28.7 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.6 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.9 | 29.2 | 28.9 | 28.0 | 28.8 | 28.0 | 29.0 | 28.7 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.6 |
| 6 Total Imports From PNW | 138 | 139 | 138 | 134 | 138 | 134 | 139 | 137 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 18.7 | 17.8 | 18.6 | 18.5 | 17.9 | 18.6 | 18.3 | 17.9 | 18.5 | 18.5 | 18.6 | 17.8 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 38.1 | 38.5 | 38.1 | 36.9 | 38.1 | 36.9 | 38.3 | 39.3 | 37.0 | 38.1 | 38.1 | 38.3 | 36.7 | 38.3 | 37.9 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 23.9 | 22.8 | 23.8 | 23.7 | 22.9 | 23.8 | 23.4 | 23.0 | 23.7 | 23.7 | 23.8 | 22.8 | 23.8 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 29.2 | 27.8 | 29.0 | 28.8 | 28.0 | 29.0 | 28.6 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.6 |
| 5 GCPD to BPA CEAEA for Wanpum | 28.9 | 29.2 | 28.9 | 28.0 | 28.8 | 28.0 | 29.0 | 29.8 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.7 |
| 6 Total Imports From PNW | 138 | 139 | 135 | 136 | 138 | 134 | 139 | 139 | 134 | 138 | 138 | 139 | 133 | 139 | 137 |

Non-Federal CER Deliveries to BPA

Operating Year: 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 17.3 | 18.5 | 18.6 | 17.8 | 18.6 | 18.6 | 18.3 | 17.9 | 18.5 | 18.5 | 17.9 | 18.5 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 39.6 | 37.1 | 38.1 | 36.9 | 38.1 | 36.9 | 38.3 | 39.3 | 37.0 | 38.1 | 38.1 | 38.3 | 36.7 | 38.3 | 37.9 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 22.2 | 22.8 | 23.8 | 23.7 | 22.9 | 23.8 | 23.4 | 23.0 | 23.7 | 23.7 | 23.8 | 22.8 | 23.8 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 27.1 | 27.8 | 29.0 | 28.8 | 28.0 | 29.0 | 28.6 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.5 |
| 5 GCPD to BPA CEAEA for Wanpum | 30.0 | 28.1 | 28.9 | 28.0 | 28.8 | 28.0 | 29.0 | 29.8 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.7 |
| 6 Total Imports From PNW | 141 | 132 | 136 | 136 | 137 | 134 | 139 | 139 | 134 | 138 | 138 | 138 | 133 | 139 | 137 |

Non-Federal CER Deliveries to BPA
Operating Year: 2027
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Pacific Northwest | | | | | | | | | | | | | | | |
| 1 CHPD to BPA CEAEA for Rock Island | 18.5 | 17.3 | 18.5 | 18.6 | 17.8 | 18.6 | 17.9 | 18.3 | 18.6 | 18.5 | 18.5 | 17.9 | 18.5 | 18.6 | 18.3 |
| 2 CHPD to BPA CEAEA for Rocky Reach | 39.6 | 37.1 | 38.1 | 36.9 | 38.1 | 36.9 | 38.3 | 39.3 | 37.0 | 38.1 | 38.1 | 38.3 | 36.7 | 38.3 | 37.9 |
| 3 DOPD to BPA CEAEA for Wells | 23.7 | 22.2 | 24.6 | 21.2 | 23.7 | 22.9 | 23.8 | 24.4 | 23.8 | 23.7 | 23.7 | 22.0 | 24.6 | 22.9 | 23.4 |
| 4 GCPD to BPA CEAEA for Priest Rapids | 28.9 | 27.1 | 27.8 | 29.0 | 28.8 | 28.0 | 29.0 | 28.6 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.5 |
| 5 GCPD to BPA CEAEA for Wanpum | 30.0 | 28.1 | 28.9 | 28.0 | 28.8 | 28.0 | 29.0 | 29.8 | 28.0 | 28.9 | 28.9 | 29.0 | 27.8 | 29.0 | 28.7 |
| 6 Total Imports From PNW | 141 | 132 | 138 | 134 | 137 | 134 | 138 | 140 | 135 | 138 | 138 | 136 | 135 | 138 | 137 |

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Exhibit 35
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

Monthly Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year
Operating Year 2018
2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|-------|------|
| 1 1929 Federal Report Surplus Deficit | 642 | 587 | 55.4 | 299 | 420 | -318 | -338 | -180 | 8.01 | -507 | 1211 | 1830 | 2143 | -448 | 370 |
| 2 1930 Federal Report Surplus Deficit | 608 | 45.4 | 250 | 383 | 574 | -294 | -1113 | -135 | 38.7 | 605 | 2029 | 1385 | 16.7 | 989 | 312 |
| 3 1931 Federal Report Surplus Deficit | 955 | 88.8 | 32.1 | 332 | 585 | -164 | -829 | -1172 | -229 | 345 | -535 | 2453 | 119 | 1033 | 226 |
| 4 1932 Federal Report Surplus Deficit | 478 | -363 | -222 | 195 | 222 | -233 | -1522 | -1391 | 1494 | 3539 | 4487 | 5323 | 4917 | 1997 | 1247 |
| 5 1933 Federal Report Surplus Deficit | 715 | 1120 | 331 | 294 | 57.4 | 985 | 2478 | 2307 | 2140 | 1588 | 2019 | 3671 | 6043 | 3948 | 2080 |
| 6 1934 Federal Report Surplus Deficit | 2580 | 1602 | 263 | 958 | 2520 | 4086 | 4554 | 4302 | 4558 | 4665 | 4385 | 4135 | 3798 | 1275 | 3081 |
| 7 1935 Federal Report Surplus Deficit | 456 | -158 | -216 | 247 | -359 | -262 | 2192 | 1706 | 2135 | 415 | 2242 | 3132 | 2926 | 2658 | 1303 |
| 8 1936 Federal Report Surplus Deficit | 1946 | 302 | -127 | 327 | 356 | -475 | -1153 | -555 | 319 | 697 | 3889 | 5182 | 4593 | 1120 | 1087 |
| 9 1937 Federal Report Surplus Deficit | 600 | -24.2 | -97.1 | 335 | 654 | -248 | -1040 | -1137 | -248 | -173 | 460 | 2549 | 1529 | -162 | 220 |
| 10 1938 Federal Report Surplus Deficit | 817 | 116 | -17.5 | 324 | 492 | 157 | 1863 | 1891 | 2604 | 3130 | 5214 | 4859 | 3825 | 2193 | 1899 |
| 11 1939 Federal Report Surplus Deficit | 464 | -150 | 249 | 286 | 330 | -411 | 624 | 303 | 634 | 1790 | 3240 | 3502 | 1354 | 1041 | 883 |
| 12 1940 Federal Report Surplus Deficit | 690 | -62.9 | 16.8 | 356 | 759 | 93.1 | 1096 | -295 | 2950 | 1910 | 2607 | 3204 | 1194 | 815 | 1073 |
| 13 1941 Federal Report Surplus Deficit | 266 | -348 | -21.5 | 132 | 471 | 247 | -543 | -220 | 228 | -511 | 789 | 2597 | 1432 | 787 | 438 |
| 14 1942 Federal Report Surplus Deficit | 516 | -61.7 | 360 | 144 | 945 | 1079 | 1838 | 1144 | 1581 | 251 | 2341 | 3105 | 3433 | 2738 | 1493 |
| 15 1943 Federal Report Surplus Deficit | 1379 | 720 | 711 | 298 | -39.7 | 19.8 | 2695 | 2085 | 2566 | 5024 | 5448 | 4196 | 5952 | 4045 | 2396 |
| 16 1944 Federal Report Surplus Deficit | 1108 | 416 | 2.10 | 213 | 508 | -340 | -253 | -108 | 1.98 | -394 | 748 | 1234 | -75.2 | 144 | 191 |
| 17 1945 Federal Report Surplus Deficit | 466 | -351 | -98.1 | 220 | 472 | -197 | -872 | -544 | -52.5 | -304 | -929 | 3908 | 4208 | -5.81 | 543 |
| 18 1946 Federal Report Surplus Deficit | 829 | -153 | -336 | 226 | 694 | 462 | 1231 | 1197 | 2253 | 3724 | 5315 | 5051 | 3860 | 3221 | 1894 |
| 19 1947 Federal Report Surplus Deficit | 1900 | 1363 | 320 | 246 | 640 | 3041 | 3655 | 3026 | 3025 | 2579 | 2953 | 4845 | 4122 | 2756 | 2507 |
| 20 1948 Federal Report Surplus Deficit | 1757 | 985 | 173 | 2391 | 1753 | 1774 | 3320 | 2307 | 2394 | 1982 | 4053 | 5835 | 5946 | 3858 | 2850 |
| 21 1949 Federal Report Surplus Deficit | 2972 | 2195 | 604 | 598 | 337 | 657 | 1283 | 1245 | 2876 | 2713 | 4609 | 5471 | 4023 | 424 | 1983 |
| 22 1950 Federal Report Surplus Deficit | -15.3 | -532 | -333 | 170 | 324 | 106 | 3010 | 3351 | 3268 | 3990 | 3800 | 4241 | 5841 | 4602 | 2340 |
| 23 1951 Federal Report Surplus Deficit | 2216 | 1408 | 355 | 1242 | 2074 | 3151 | 4407 | 4307 | 5155 | 4335 | 4254 | 5027 | 4018 | 3639 | 3287 |
| 24 1952 Federal Report Surplus Deficit | 2028 | 894 | 201 | 1927 | 1116 | 1873 | 2690 | 2498 | 2885 | 4144 | 5533 | 5903 | 4484 | 2530 | 2701 |
| 25 1953 Federal Report Surplus Deficit | 1732 | 848 | -263 | 298 | 226 | -401 | 575 | 2254 | 1547 | 794 | 1872 | 3909 | 6057 | 4198 | 1745 |
| 26 1954 Federal Report Surplus Deficit | 1209 | 727 | 260 | 540 | 628 | 1305 | 2947 | 2970 | 3139 | 2282 | 2965 | 4885 | 5422 | 4506 | 2515 |
| 27 1955 Federal Report Surplus Deficit | 3448 | 3096 | 2123 | 647 | 1199 | 1271 | 450 | 550 | -9.98 | 425 | 1590 | 3396 | 6114 | 4423 | 2042 |
| 28 1956 Federal Report Surplus Deficit | 2817 | 1340 | 48.3 | 820 | 1682 | 3113 | 4183 | 4155 | 4275 | 3671 | 5266 | 5802 | 5839 | 3823 | 3352 |
| 29 1957 Federal Report Surplus Deficit | 2329 | 1742 | 299 | 759 | 348 | 1407 | 1575 | 968 | 2213 | 3562 | 2717 | 6111 | 6193 | 1928 | 2255 |
| 30 1958 Federal Report Surplus Deficit | 1266 | 163 | 118 | 241 | 526 | -105 | 1954 | 1851 | 2212 | 1719 | 3424 | 5444 | 5492 | 1623 | 1882 |
| 31 1959 Federal Report Surplus Deficit | 1138 | 72.5 | -18.4 | 420 | 1162 | 2566 | 3827 | 3529 | 3742 | 3140 | 2714 | 4219 | 5434 | 4078 | 2703 |
| 32 1960 Federal Report Surplus Deficit | 2821 | 1526 | 2377 | 3096 | 2595 | 2381 | 2198 | 1784 | 2513 | 5529 | 3962 | 3244 | 4655 | 2677 | 2869 |
| 33 1961 Federal Report Surplus Deficit | 1368 | 254 | -59.1 | 481 | 514 | 803 | 1981 | 2803 | 3470 | 2498 | 2190 | 4837 | 5596 | 1953 | 2121 |
| 34 1962 Federal Report Surplus Deficit | 1297 | 488 | -12.9 | 69.9 | 507 | 511 | 1737 | 1629 | 697 | 4064 | 5060 | 4306 | 3557 | 1866 | 1688 |
| 35 1963 Federal Report Surplus Deficit | 1188 | 711 | -188 | 1002 | 1271 | 2268 | 2509 | 1962 | 1667 | 635 | 1910 | 3713 | 3627 | 2450 | 1878 |
| 36 1964 Federal Report Surplus Deficit | 1255 | 324 | 391 | 207 | 305 | 752 | 613 | 690 | 832 | 2839 | 1723 | 3987 | 5781 | 4295 | 1746 |
| 37 1965 Federal Report Surplus Deficit | 2588 | 1879 | 858 | 1144 | 945 | 3266 | 4926 | 4401 | 4570 | 1940 | 5240 | 5176 | 4402 | 2600 | 3172 |
| 38 1966 Federal Report Surplus Deficit | 2235 | 1785 | -97.4 | 711 | 433 | 1029 | 1284 | 1284 | 973 | 4177 | 2518 | 2551 | 3376 | 2563 | 1623 |
| 39 1967 Federal Report Surplus Deficit | 1331 | 354 | 77.8 | 211 | 261 | 1186 | 3392 | 3201 | 3356 | 1633 | 184 | 3662 | 5769 | 3878 | 2224 |
| 40 1968 Federal Report Surplus Deficit | 1837 | 1295 | 309 | 596 | 696 | 1051 | 2574 | 2455 | 2683 | 407 | 1295 | 2335 | 4690 | 2978 | 1896 |
| 41 1969 Federal Report Surplus Deficit | 2010 | 1889 | 1288 | 1233 | 1756 | 1878 | 4165 | 3939 | 3486 | 4045 | 4995 | 5695 | 4679 | 2743 | 3104 |
| 42 1970 Federal Report Surplus Deficit | 1538 | 714 | 171 | 575 | 604 | 146 | 2106 | 1739 | 1352 | 918 | 1646 | 3831 | 5646 | 1012 | 1627 |
| 43 1971 Federal Report Surplus Deficit | 903 | 126 | -54.1 | 222 | 407 | 527 | 4219 | 4580 | 4367 | 3804 | 4286 | 5799 | 5948 | 4320 | 2896 |
| 44 1972 Federal Report Surplus Deficit | 2593 | 2578 | 491 | 796 | 514 | 1346 | 3895 | 4459 | 5740 | 5127 | 3205 | 5614 | 5766 | 4215 | 3295 |
| 45 1973 Federal Report Surplus Deficit | 3133 | 2801 | 675 | 737 | 523 | 964 | 1603 | 515 | 526 | -901 | 921 | 2479 | 781 | 783 | 1057 |
| 46 1974 Federal Report Surplus Deficit | 550 | -244 | -109 | 270 | 259 | 1685 | 5058 | 4769 | 5372 | 4455 | 5003 | 5214 | 5770 | 4679 | 3145 |
| 47 1975 Federal Report Surplus Deficit | 2829 | 2730 | 595 | 147 | 462 | 87.0 | 2065 | 2015 | 2467 | 827 | 1622 | 4624 | 5865 | 4621 | 2250 |
| 48 1976 Federal Report Surplus Deficit | 2214 | 1853 | 659 | 1363 | 1999 | 3834 | 3866 | 3809 | 4089 | 4424 | 4153 | 5841 | 4752 | 3925 | 3372 |
| 49 1977 Federal Report Surplus Deficit | 3611 | 3583 | 2840 | 795 | 524 | -318 | -45.9 | 113 | 56.3 | -689 | 405 | 938 | -246 | 255 | 701 |
| 50 1978 Federal Report Surplus Deficit | 477 | -251 | -489 | -197 | 515 | 635 | 1560 | 1592 | 1927 | 3854 | 2915 | 4529 | 3015 | 2783 | 1613 |
| 51 1979 Federal Report Surplus Deficit | 849 | 185 | 1268 | 821 | 528 | -101 | 959 | -15.7 | 1961 | 503 | 2093 | 4332 | 2617 | -129 | 1177 |
| 52 1980 Federal Report Surplus Deficit | 193 | -153 | 47.5 | 275 | 503 | -582 | 620 | 146 | 389 | 1779 | 3194 | 5441 | 4864 | 1671 | 1325 |
| 53 1981 Federal Report Surplus Deficit | 435 | -346 | 218 | 242 | 444 | 2202 | 3487 | 3017 | 1751 | -441 | 1824 | 3735 | 5888 | 3600 | 2105 |
| 54 1982 Federal Report Surplus Deficit | 2723 | 1709 | 291 | 443 | 758 | 1031 | 2724 | 4736 | 5257 | 3770 | 3505 | 5291 | 5850 | 4720 | 3069 |

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|------|-------|-------|-------|------|-------|-------|------|------|------|------|
| 55 1983 Federal Report Surplus Deficit | 2499 | 2439 | 1217 | 1283 | 802 | 1514 | 3205 | 3320 | 4354 | 2927 | 2711 | 4499 | 4820 | 4067 | 2865 |
| 56 1984 Federal Report Surplus Deficit | 2600 | 2135 | 590 | 618 | 2272 | 1804 | 2650 | 2821 | 2955 | 4365 | 4754 | 4627 | 5683 | 3580 | 2873 |
| 57 1985 Federal Report Surplus Deficit | 1991 | 647 | 589 | 675 | 796 | 964 | 1146 | 925 | 895 | 2597 | 3585 | 3974 | 2490 | 752 | 1468 |
| 58 1986 Federal Report Surplus Deficit | -285 | -632 | 40.6 | 140 | 1733 | 1142 | 2411 | 3087 | 4930 | 4329 | 4800 | 3618 | 4022 | 1683 | 2231 |
| 59 1987 Federal Report Surplus Deficit | 787 | 63.6 | -113 | 53.2 | 658 | 1042 | 722 | 501 | 951 | 138 | 1542 | 3328 | 2613 | 490 | 961 |
| 60 1988 Federal Report Surplus Deficit | 323 | -502 | -191 | 228 | 434 | -587 | -592 | -990 | 279 | -1.10 | 1471 | 2365 | 756 | 1299 | 312 |
| 61 1989 Federal Report Surplus Deficit | 864 | 52.2 | -38.2 | 162 | 732 | 220 | -413 | -326 | 1433 | 1912 | 4977 | 3715 | 2706 | 615 | 1062 |
| 62 1990 Federal Report Surplus Deficit | 437 | -271 | -46.1 | 374 | 650 | 1218 | 2368 | 2459 | 2553 | 1693 | 4356 | 3411 | 4762 | 2309 | 1923 |
| 63 1991 Federal Report Surplus Deficit | 2038 | 1148 | 17.6 | 106 | 1985 | 1996 | 3258 | 2823 | 3059 | 2231 | 2354 | 3904 | 4433 | 3891 | 2445 |
| 64 1992 Federal Report Surplus Deficit | 2561 | 1536 | -4.28 | 388 | 521 | -525 | 303 | 243 | 1697 | -521 | 587 | 2308 | 686 | 297 | 672 |
| 65 1993 Federal Report Surplus Deficit | 425 | -258 | -214 | 266 | 577 | -107 | -959 | -1088 | 844 | 937 | 2016 | 4126 | 3421 | 1027 | 796 |
| 66 1994 Federal Report Surplus Deficit | 1012 | 279 | 378 | 347 | 774 | 66.1 | -1093 | -672 | 16.3 | -81.8 | 1436 | 3146 | 2309 | 988 | 637 |
| 67 1995 Federal Report Surplus Deficit | 771 | -162 | 91.2 | 276 | 127 | -70.1 | 744 | 1622 | 2770 | 1102 | 1712 | 3400 | 4908 | 2017 | 1462 |
| 68 1996 Federal Report Surplus Deficit | 698 | 161 | 426 | 1039 | 2867 | 4711 | 4863 | 4544 | 5522 | 4082 | 5323 | 5300 | 4886 | 3969 | 3600 |
| 69 1997 Federal Report Surplus Deficit | 2420 | 1661 | 279 | 496 | 693 | 1974 | 4779 | 4986 | 5592 | 4343 | 5355 | 5559 | 5828 | 4194 | 3430 |
| 70 1998 Federal Report Surplus Deficit | 2520 | 2579 | 1208 | 2575 | 1618 | 942 | 1506 | 1581 | 1580 | 1508 | 2621 | 5690 | 5610 | 2571 | 2463 |
| 71 1999 Federal Report Surplus Deficit | 2101 | 888 | 106 | 305 | 120 | 1616 | 3839 | 3951 | 4602 | 2724 | 3980 | 4172 | 5559 | 4205 | 2770 |
| 72 2000 Federal Report Surplus Deficit | 3336 | 2659 | 664 | 491 | 2402 | 2332 | 2058 | 1979 | 2436 | 3763 | 4894 | 4439 | 2256 | 2198 | 2384 |
| 73 2001 Federal Report Surplus Deficit | 1387 | -215 | -152 | 328 | 390 | -307 | -299 | -128 | 250 | -457 | 480 | 1726 | -615 | 349 | 182 |
| 74 2002 Federal Report Surplus Deficit | 480 | -363 | -518 | -225 | 425 | 49.2 | -359 | -105 | 771 | 1590 | 3896 | 3475 | 5516 | 3409 | 1272 |
| 75 2003 Federal Report Surplus Deficit | 361 | 95.1 | 45.6 | 403 | 672 | -143 | -569 | -445 | 2105 | 1543 | 2337 | 3410 | 4480 | 781 | 1080 |
| 76 2004 Federal Report Surplus Deficit | 349 | -292 | -208 | 226 | 881 | 474 | 409 | -51.4 | 940 | 963 | 1817 | 3177 | 2400 | 1091 | 901 |
| 77 2005 Federal Report Surplus Deficit | 114 | -182 | 768 | 772 | 438 | 1200 | 2156 | 314 | 492 | -409 | 1440 | 3659 | 2842 | 1506 | 1227 |
| 78 2006 Federal Report Surplus Deficit | 738 | -75.4 | 34.2 | -56.6 | 536 | 955 | 2678 | 2652 | 2499 | 4273 | 4981 | 5289 | 5339 | 1994 | 2231 |
| 79 2007 Federal Report Surplus Deficit | 1204 | -352 | -276 | 282 | 866 | 398 | 2006 | 1914 | 2639 | 3045 | 2321 | 3630 | 3450 | 2295 | 1689 |
| 80 2008 Federal Report Surplus Deficit | 624 | -298 | -417 | 405 | 840 | -323 | 148 | 539 | 866 | 1109 | 249 | 4585 | 6278 | 2768 | 1378 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 736 | 5.85 | -15.3 | 281 | 505 | -252 | -626 | -509 | 41.1 | -137 | 832 | 2017 | 663 | 499 | 281 |
| 82 Middle 80 pct | 1417 | 711 | 281 | 526 | 762 | 813 | 1692 | 1608 | 2119 | 2105 | 2908 | 4132 | 4278 | 2399 | 1848 |
| 83 Top 10 pct | 2012 | 1329 | 376 | 896 | 1379 | 2885 | 4497 | 4429 | 5039 | 4047 | 4725 | 5442 | 5157 | 3881 | 3332 |

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| 1 1929 Federal Report Surplus Deficit | 1409 | 1314 | -6.97 | 141 | 261 | -486 | -523 | -381 | -138 | -654 | 1107 | 1236 | 1276 | -608 | 199 |
| 2 1930 Federal Report Surplus Deficit | 682 | 61.5 | 468 | 224 | 415 | -462 | -1299 | -336 | -107 | 458 | 1899 | 792 | -900 | 831 | 98.6 |
| 3 1931 Federal Report Surplus Deficit | 995 | 174 | 290 | 174 | 426 | -332 | -1015 | -1373 | -374 | 198 | -640 | 1859 | -798 | 876 | 19.3 |
| 4 1932 Federal Report Surplus Deficit | 946 | 306 | 79.9 | 36.6 | 63.3 | -400 | -1708 | -1592 | 1433 | 3455 | 4050 | 4985 | 4217 | 1837 | 1122 |
| 5 1933 Federal Report Surplus Deficit | 1285 | 947 | 733 | 136 | -101 | 817 | 2252 | 2136 | 1986 | 1502 | 1922 | 3146 | 5528 | 4371 | 1984 |
| 6 1934 Federal Report Surplus Deficit | 2661 | 1928 | 510 | 800 | 2378 | 4185 | 4511 | 3949 | 4218 | 4299 | 4037 | 3510 | 2930 | 1116 | 2875 |
| 7 1935 Federal Report Surplus Deficit | 381 | -137 | 129 | 88.4 | -518 | -430 | 1962 | 1523 | 2063 | 217 | 2113 | 2593 | 2019 | 2498 | 1101 |
| 8 1936 Federal Report Surplus Deficit | 2246 | 344 | -19.0 | 169 | 197 | -643 | -1338 | -753 | 173 | 550 | 3815 | 4822 | 3824 | 961 | 910 |
| 9 1937 Federal Report Surplus Deficit | 876 | 66.2 | 224 | 177 | 496 | -416 | -1226 | -1334 | -394 | -320 | 350 | 1956 | 611 | -322 | 28.2 |
| 10 1938 Federal Report Surplus Deficit | 804 | 4.07 | 245 | 166 | 334 | -11.0 | 1672 | 1696 | 2501 | 3095 | 4789 | 4335 | 2980 | 2033 | 1688 |
| 11 1939 Federal Report Surplus Deficit | 343 | -120 | 521 | 127 | 171 | -579 | 438 | 102 | 488 | 1652 | 3142 | 2906 | 469 | 880 | 671 |
| 12 1940 Federal Report Surplus Deficit | 614 | -67.5 | 357 | 197 | 600 | -74.8 | 909 | -496 | 2868 | 1771 | 2477 | 2632 | 277 | 685 | 873 |
| 13 1941 Federal Report Surplus Deficit | 353 | -254 | 237 | -26.3 | 313 | 78.9 | -729 | -421 | 82.3 | -658 | 685 | 2004 | 515 | 630 | 233 |
| 14 1942 Federal Report Surplus Deficit | 926 | 166 | 467 | -14.4 | 786 | 911 | 1652 | 943 | 1435 | 104 | 2237 | 2512 | 2587 | 2534 | 1296 |
| 15 1943 Federal Report Surplus Deficit | 1489 | 946 | 953 | 139 | -198 | -148 | 2503 | 1882 | 2434 | 5090 | 5257 | 3687 | 5417 | 3922 | 2244 |
| 16 1944 Federal Report Surplus Deficit | 2034 | 805 | 127 | 54.2 | 350 | -508 | -438 | -309 | -144 | -541 | 643 | 640 | -992 | -8.08 | 22.7 |
| 17 1945 Federal Report Surplus Deficit | 748 | 96.5 | 152 | 61.6 | 313 | -365 | -1058 | -745 | -198 | -450 | -954 | 3287 | 3388 | -166 | 369 |
| 18 1946 Federal Report Surplus Deficit | 614 | 43.0 | 240 | 67.7 | 535 | 294 | 1045 | 996 | 2199 | 3658 | 4889 | 4401 | 3027 | 3063 | 1707 |
| 19 1947 Federal Report Surplus Deficit | 1670 | 1162 | 556 | 87.7 | 481 | 2833 | 3433 | 2855 | 2991 | 2500 | 2846 | 4443 | 3285 | 2596 | 2305 |
| 20 1948 Federal Report Surplus Deficit | 1421 | 613 | 422 | 2232 | 1594 | 1611 | 3115 | 2081 | 2226 | 1821 | 3843 | 5250 | 5466 | 3756 | 2638 |
| 21 1949 Federal Report Surplus Deficit | 3042 | 2266 | 861 | 439 | 179 | 489 | 1098 | 1048 | 2798 | 2601 | 4393 | 5050 | 3222 | 264 | 1803 |
| 22 1950 Federal Report Surplus Deficit | 317 | -378 | 74.6 | 11.3 | 165 | -61.9 | 2765 | 3295 | 3308 | 4015 | 3699 | 3733 | 5389 | 5113 | 2291 |
| 23 1951 Federal Report Surplus Deficit | 3014 | 2163 | 721 | 1083 | 1915 | 2975 | 4382 | 4388 | 4902 | 4314 | 3894 | 4436 | 3213 | 3651 | 3193 |
| 24 1952 Federal Report Surplus Deficit | 2095 | 708 | 425 | 1768 | 957 | 1708 | 2506 | 2291 | 2765 | 3986 | 5136 | 5276 | 3667 | 2370 | 2475 |
| 25 1953 Federal Report Surplus Deficit | 1397 | 248 | -87.0 | 139 | 67.6 | -569 | 362 | 2078 | 1406 | 647 | 1768 | 3422 | 5639 | 4050 | 1537 |
| 26 1954 Federal Report Surplus Deficit | 1851 | 1124 | 504 | 381 | 469 | 1137 | 2720 | 2787 | 3007 | 2204 | 2872 | 4221 | 4793 | 5059 | 2425 |
| 27 1955 Federal Report Surplus Deficit | 3414 | 3132 | 2328 | 489 | 1040 | 1103 | 264 | 350 | -156 | 328 | 1439 | 2900 | 5592 | 4803 | 1912 |
| 28 1956 Federal Report Surplus Deficit | 2738 | 1359 | 275 | 662 | 1523 | 2944 | 4025 | 4060 | 4270 | 3679 | 4857 | 5170 | 5361 | 3806 | 3195 |
| 29 1957 Federal Report Surplus Deficit | 2384 | 1799 | 529 | 600 | 190 | 1239 | 1395 | 764 | 2182 | 3470 | 2587 | 5522 | 5711 | 1768 | 2092 |
| 30 1958 Federal Report Surplus Deficit | 944 | 421 | 465 | 82.0 | 367 | -273 | 1768 | 1651 | 2067 | 1586 | 3333 | 5024 | 4825 | 1463 | 1711 |
| 31 1959 Federal Report Surplus Deficit | 1231 | 259 | 188 | 262 | 1003 | 2406 | 3606 | 3387 | 3648 | 3131 | 2554 | 3473 | 4776 | 4477 | 2563 |
| 32 1960 Federal Report Surplus Deficit | 2857 | 2300 | 2675 | 2937 | 2452 | 2231 | 2008 | 1583 | 2363 | 5088 | 3622 | 2671 | 3881 | 2517 | 2689 |
| 33 1961 Federal Report Surplus Deficit | 1568 | 280 | 142 | 323 | 355 | 635 | 1795 | 2612 | 3330 | 2394 | 2111 | 4037 | 5000 | 1793 | 1925 |
| 34 1962 Federal Report Surplus Deficit | 1382 | 561 | 193 | -88.6 | 348 | 344 | 1552 | 1428 | 579 | 4056 | 4664 | 3804 | 2674 | 1706 | 1484 |
| 35 1963 Federal Report Surplus Deficit | 1277 | 804 | 43.1 | 843 | 1113 | 2108 | 2323 | 1761 | 1521 | 488 | 1780 | 3192 | 2769 | 2289 | 1681 |
| 36 1964 Federal Report Surplus Deficit | 1177 | 529 | 656 | 48.7 | 146 | 584 | 427 | 489 | 714 | 2735 | 1620 | 3531 | 5532 | 4658 | 1655 |
| 37 1965 Federal Report Surplus Deficit | 2740 | 1954 | 1119 | 986 | 786 | 3077 | 4902 | 4619 | 4600 | 1898 | 4789 | 4630 | 3664 | 2440 | 3037 |
| 38 1966 Federal Report Surplus Deficit | 2301 | 1859 | 149 | 552 | 274 | 862 | 1098 | 1083 | 853 | 4082 | 2389 | 1992 | 2513 | 2403 | 1425 |
| 39 1967 Federal Report Surplus Deficit | 1914 | 392 | 181 | 52.5 | 102 | 1018 | 3232 | 3009 | 3315 | 1498 | 46.3 | 3124 | 5204 | 3930 | 2087 |
| 40 1968 Federal Report Surplus Deficit | 1900 | 1362 | 545 | 438 | 537 | 883 | 2388 | 2254 | 2538 | 289 | 1154 | 1791 | 4032 | 2817 | 1712 |
| 41 1969 Federal Report Surplus Deficit | 2048 | 1227 | 1588 | 1075 | 1597 | 1713 | 3964 | 3788 | 3367 | 3929 | 4617 | 4992 | 3968 | 2583 | 2870 |
| 42 1970 Federal Report Surplus Deficit | 1014 | 371 | 346 | 416 | 446 | -21.8 | 1911 | 1538 | 1131 | 851 | 1518 | 3434 | 4790 | 851 | 1388 |
| 43 1971 Federal Report Surplus Deficit | 795 | 383 | 216 | 63.2 | 248 | 359 | 4055 | 4832 | 4338 | 3877 | 3923 | 4992 | 5404 | 4231 | 2755 |
| 44 1972 Federal Report Surplus Deficit | 2614 | 2647 | 717 | 638 | 355 | 1178 | 3767 | 4407 | 5424 | 4667 | 3173 | 4871 | 5099 | 4718 | 3140 |
| 45 1973 Federal Report Surplus Deficit | 3120 | 2825 | 868 | 579 | 364 | 796 | 1417 | 314 | 380 | -1048 | 817 | 1884 | -90.3 | 623 | 843 |
| 46 1974 Federal Report Surplus Deficit | 601 | -64.7 | 162 | 112 | 101 | 1517 | 5038 | 4474 | 5205 | 4456 | 4631 | 4684 | 5249 | 5198 | 3039 |
| 47 1975 Federal Report Surplus Deficit | 2935 | 2806 | 793 | -11.1 | 303 | -80.9 | 1880 | 1815 | 2304 | 708 | 1530 | 4031 | 5378 | 4641 | 2091 |
| 48 1976 Federal Report Surplus Deficit | 1866 | 1630 | 933 | 1204 | 1840 | 3702 | 3626 | 3671 | 4080 | 4419 | 3845 | 5077 | 4065 | 4155 | 3186 |
| 49 1977 Federal Report Surplus Deficit | 3639 | 3637 | 3132 | 637 | 365 | -486 | -232 | -88.2 | -89.3 | -836 | 301 | 344 | -1163 | 124 | 497 |
| 50 1978 Federal Report Surplus Deficit | 842 | 11.8 | -271 | -356 | 356 | 467 | 1358 | 1391 | 1847 | 3820 | 2779 | 3853 | 2133 | 2624 | 1427 |
| 51 1979 Federal Report Surplus Deficit | 974 | 284 | 1713 | 663 | 369 | -269 | 772 | -212 | 1812 | 348 | 1976 | 3851 | 1700 | -289 | 998 |
| 52 1980 Federal Report Surplus Deficit | 637 | -10.9 | 441 | 116 | 344 | -750 | 434 | -54.5 | 244 | 1636 | 3090 | 4989 | 4149 | 1511 | 1177 |
| 53 1981 Federal Report Surplus Deficit | 518 | -11.7 | 507 | 83.3 | 285 | 2042 | 3325 | 2889 | 1606 | -623 | 1768 | 3177 | 5301 | 3718 | 1975 |
| 54 1982 Federal Report Surplus Deficit | 3013 | 2143 | 527 | 284 | 600 | 863 | 2548 | 4675 | 5280 | 3773 | 3465 | 4723 | 5167 | 5069 | 2985 |

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|-------|------|-------|-------|------|------|-------|------|-------|------|-------|
| 55 1983 Federal Report Surplus Deficit | 2798 | 2543 | 1517 | 1125 | 644 | 1346 | 3032 | 3287 | 4307 | 2858 | 2592 | 4123 | 4094 | 3970 | 2737 |
| 56 1984 Federal Report Surplus Deficit | 2660 | 1614 | 850 | 460 | 2122 | 1636 | 2416 | 2683 | 2901 | 4263 | 4729 | 4238 | 5103 | 3422 | 2699 |
| 57 1985 Federal Report Surplus Deficit | 2388 | 942 | 845 | 516 | 638 | 797 | 960 | 724 | 750 | 2523 | 3520 | 3495 | 1573 | 593 | 1298 |
| 58 1986 Federal Report Surplus Deficit | 129 | -475 | 349 | -18.5 | 1574 | 974 | 2226 | 3016 | 4820 | 4262 | 4705 | 3052 | 3264 | 1524 | 2078 |
| 59 1987 Federal Report Surplus Deficit | 868 | 141 | 82.7 | -105 | 499 | 874 | 536 | 304 | 801 | -124 | 1513 | 2760 | 1696 | 333 | 751 |
| 60 1988 Federal Report Surplus Deficit | 324 | -322 | -3.25 | 69.3 | 275 | -755 | -778 | -1191 | 133 | -148 | 1366 | 1771 | -162 | 1142 | 101 |
| 61 1989 Federal Report Surplus Deficit | 819 | 95.3 | 184 | 3.55 | 574 | 52.3 | -598 | -527 | 1340 | 1816 | 4636 | 3196 | 1789 | 455 | 850 |
| 62 1990 Federal Report Surplus Deficit | 475 | -85.5 | 270 | 216 | 491 | 1050 | 2104 | 2143 | 2506 | 1550 | 4136 | 2850 | 4067 | 2149 | 1734 |
| 63 1991 Federal Report Surplus Deficit | 2165 | 1674 | 163 | -52.6 | 1830 | 1837 | 3139 | 2625 | 2966 | 2100 | 2276 | 3382 | 3612 | 4275 | 2325 |
| 64 1992 Federal Report Surplus Deficit | 2863 | 1626 | 127 | 229 | 363 | -693 | 117 | 42.7 | 1551 | -668 | 483 | 1721 | -231 | 139 | 466 |
| 65 1993 Federal Report Surplus Deficit | 638 | -61.6 | -252 | 107 | 418 | -275 | -1145 | -1289 | 705 | 790 | 1912 | 3666 | 2562 | 863 | 593 |
| 66 1994 Federal Report Surplus Deficit | 925 | 360 | 505 | 189 | 615 | -102 | -1279 | -737 | 882 | -325 | 1317 | 1873 | 896 | 829 | 407 |
| 67 1995 Federal Report Surplus Deficit | 767 | -57.2 | 253 | 118 | -31.5 | -238 | 558 | 1202 | 1601 | 2548 | 1847 | 3239 | 4318 | 1857 | 1281 |
| 68 1996 Federal Report Surplus Deficit | 862 | 319 | 764 | 880 | 2724 | 4744 | 4748 | 4786 | 5268 | 4026 | 4958 | 4732 | 4132 | 4254 | 3503 |
| 69 1997 Federal Report Surplus Deficit | 2662 | 1622 | 516 | 338 | 534 | 1806 | 4821 | 4994 | 5402 | 4316 | 4943 | 4914 | 5235 | 4572 | 3316 |
| 70 1998 Federal Report Surplus Deficit | 2572 | 2664 | 1480 | 2416 | 1459 | 774 | 1320 | 1381 | 1435 | 1361 | 2516 | 5219 | 5027 | 2410 | 2295 |
| 71 1999 Federal Report Surplus Deficit | 1687 | 387 | 220 | 146 | -38.8 | 1448 | 3761 | 3902 | 4518 | 2612 | 3961 | 3730 | 5018 | 4620 | 2630 |
| 72 2000 Federal Report Surplus Deficit | 3388 | 2722 | 924 | 332 | 2259 | 2172 | 1872 | 1856 | 2237 | 3696 | 4476 | 4002 | 1339 | 2038 | 2183 |
| 73 2001 Federal Report Surplus Deficit | 1465 | -87.1 | -33.8 | 170 | 231 | -475 | -484 | -329 | 104 | -604 | 376 | 1132 | -1532 | 192 | -33.6 |
| 74 2002 Federal Report Surplus Deficit | 765 | 71.8 | -241 | -384 | 266 | -119 | -539 | -307 | 647 | 1374 | 3819 | 2904 | 4842 | 3247 | 1114 |
| 75 2003 Federal Report Surplus Deficit | 1209 | 400 | 446 | 245 | 513 | -311 | -756 | -646 | 1986 | 1336 | 2214 | 2828 | 3714 | 622 | 939 |
| 76 2004 Federal Report Surplus Deficit | 409 | -248 | -149 | 67.9 | 722 | 306 | 224 | -249 | 791 | 809 | 1691 | 2632 | 1484 | 931 | 679 |
| 77 2005 Federal Report Surplus Deficit | 771 | 350 | 1075 | 613 | 279 | 1032 | 1620 | 603 | 340 | -546 | 1373 | 3055 | 1950 | 1346 | 1079 |
| 78 2006 Federal Report Surplus Deficit | 1067 | 38.3 | 314 | -215 | 377 | 787 | 2469 | 2451 | 2394 | 4146 | 4730 | 4920 | 4679 | 1834 | 2075 |
| 79 2007 Federal Report Surplus Deficit | 580 | 106 | 35.0 | 124 | 707 | 230 | 1820 | 1713 | 2499 | 3047 | 2173 | 3131 | 2566 | 2137 | 1490 |
| 80 2008 Federal Report Surplus Deficit | 758 | -120 | -95.5 | 246 | 681 | -491 | -37.7 | 349 | 736 | 913 | 145 | 4248 | 5784 | 2608 | 1241 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 1017 | 220 | 163 | 123 | 346 | -420 | -812 | -709 | -104 | -284 | 723 | 1424 | -248 | 342 | 83.5 |
| 82 Middle 80 pct | 1522 | 816 | 531 | 367 | 604 | 649 | 1499 | 1435 | 2000 | 2010 | 2753 | 3591 | 3539 | 2335 | 1675 |
| 83 Top 10 pct | 2137 | 1454 | 651 | 738 | 1222 | 2743 | 4414 | 4425 | 4894 | 3972 | 4386 | 4814 | 4502 | 4099 | 3201 |

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|--------|------|-------|-------|-------|------|------|-------|------|-------|-------|------|
| 1 1929 Federal Report Surplus Deficit | 1319 | 1226 | -61.7 | -136 | 351 | -408 | -486 | -215 | -154 | -488 | 978 | 1669 | 1983 | -714 | 278 |
| 2 1930 Federal Report Surplus Deficit | 596 | 1.03 | 413 | -11.1 | 467 | -398 | -1072 | -186 | -146 | 397 | 1226 | 1298 | 386 | 609 | 204 |
| 3 1931 Federal Report Surplus Deficit | 917 | 114 | 235 | -63.7 | 551 | -273 | -1428 | -913 | 478 | 354 | -844 | 2074 | -8.64 | 898 | 157 |
| 4 1932 Federal Report Surplus Deficit | 860 | 246 | 25.2 | -351 | 125 | -313 | -1157 | -1457 | 1295 | 3501 | 4512 | 5234 | 4717 | 1848 | 1213 |
| 5 1933 Federal Report Surplus Deficit | 1196 | 862 | 678 | -76.7 | 294 | 1028 | 2256 | 2265 | 2124 | 1278 | 1873 | 3597 | 5717 | 4034 | 2041 |
| 6 1934 Federal Report Surplus Deficit | 2570 | 1840 | 455 | 518 | 2867 | 4021 | 4622 | 4592 | 4475 | 4524 | 4477 | 4161 | 3155 | 1003 | 3042 |
| 7 1935 Federal Report Surplus Deficit | 295 | -197 | 74.0 | -115 | -174 | -34.4 | 2088 | 1858 | 2055 | 53.3 | 2128 | 3050 | 2595 | 2328 | 1238 |
| 8 1936 Federal Report Surplus Deficit | 2157 | 284 | -73.7 | -160 | 325 | -408 | -1316 | -279 | 146 | 510 | 3745 | 5099 | 4262 | 983 | 991 |
| 9 1937 Federal Report Surplus Deficit | 790 | 5.76 | 169 | -49.4 | 556 | -330 | -1244 | -768 | -221 | -182 | -426 | 2432 | 1307 | 58.2 | 168 |
| 10 1938 Federal Report Surplus Deficit | 718 | -56.4 | 190 | -95.2 | 445 | 101 | 1659 | 1724 | 2533 | 2980 | 5125 | 4861 | 3833 | 2024 | 1800 |
| 11 1939 Federal Report Surplus Deficit | 255 | -181 | 467 | -59.9 | 225 | -493 | 792 | 314 | 423 | 1616 | 3111 | 3357 | 1242 | 827 | 790 |
| 12 1940 Federal Report Surplus Deficit | 528 | -128 | 302 | 17.5 | 777 | 661 | -36.4 | 430 | 2714 | 1736 | 2443 | 3120 | 1710 | 486 | 1040 |
| 13 1941 Federal Report Surplus Deficit | 293 | -315 | 183 | -241 | 536 | 63.0 | -702 | -266 | 18.7 | -598 | 625 | 2426 | 1437 | 685 | 346 |
| 14 1942 Federal Report Surplus Deficit | 840 | 105 | 413 | -329 | 921 | 1519 | 1195 | 933 | 511 | 455 | 2179 | 2936 | 3004 | 3127 | 1335 |
| 15 1943 Federal Report Surplus Deficit | 1328 | 883 | 899 | -17.6 | 62.9 | 323 | 2377 | 2077 | 2634 | 4821 | 5233 | 4141 | 5566 | 3832 | 2330 |
| 16 1944 Federal Report Surplus Deficit | 1941 | 715 | 72.6 | -136 | 410 | -437 | -188 | -139 | -331 | -557 | 758 | 1127 | -241 | -40.9 | 127 |
| 17 1945 Federal Report Surplus Deficit | 687 | 36.0 | 97.5 | -232 | 439 | -299 | -1188 | -591 | -109 | -437 | -551 | 3742 | 4081 | -177 | 468 |
| 18 1946 Federal Report Surplus Deficit | 528 | -17.4 | 185 | -184 | 474 | 549 | 1204 | 1437 | 2016 | 3532 | 5208 | 4893 | 3704 | 2678 | 1795 |
| 19 1947 Federal Report Surplus Deficit | 1581 | 1091 | 501 | -187 | 1001 | 2825 | 3506 | 3079 | 3107 | 2445 | 2810 | 4756 | 3941 | 2575 | 2422 |
| 20 1948 Federal Report Surplus Deficit | 1329 | 541 | 367 | 2017 | 2116 | 1495 | 3191 | 2225 | 2339 | 1947 | 4061 | 5686 | 5539 | 3324 | 2687 |
| 21 1949 Federal Report Surplus Deficit | 2949 | 2173 | 806 | 155 | 709 | 369 | 1071 | 683 | 3577 | 2472 | 4555 | 5382 | 3913 | 79.1 | 1903 |
| 22 1950 Federal Report Surplus Deficit | 229 | -438 | 19.8 | -214 | 216 | 625 | 2899 | 3720 | 3335 | 3811 | 3687 | 4227 | 5415 | 4733 | 2377 |
| 23 1951 Federal Report Surplus Deficit | 2921 | 2070 | 667 | 803 | 2435 | 2936 | 4439 | 4580 | 5124 | 4155 | 4264 | 4944 | 3853 | 3637 | 3341 |
| 24 1952 Federal Report Surplus Deficit | 1747 | 642 | 368 | 1551 | 1484 | 1592 | 2612 | 2511 | 2764 | 3840 | 5473 | 5753 | 4192 | 2256 | 2575 |
| 25 1953 Federal Report Surplus Deficit | 1306 | 162 | -142 | -114 | 384 | -363 | -274 | 3294 | 1337 | 636 | 1776 | 3888 | 5747 | 3834 | 1615 |
| 26 1954 Federal Report Surplus Deficit | 1697 | 1035 | 450 | 97.0 | 998 | 1020 | 2146 | 3465 | 3117 | 2109 | 2837 | 4849 | 4800 | 4687 | 2452 |
| 27 1955 Federal Report Surplus Deficit | 3357 | 3039 | 2320 | 205 | 1562 | 986 | 48.1 | 774 | -497 | 286 | 1392 | 3332 | 5722 | 4474 | 1912 |
| 28 1956 Federal Report Surplus Deficit | 2648 | 1224 | 220 | 378 | 2044 | 2904 | 4159 | 4362 | 4316 | 3547 | 5073 | 5641 | 5413 | 3725 | 3279 |
| 29 1957 Federal Report Surplus Deficit | 2292 | 1709 | 474 | 316 | 659 | 1184 | 1426 | 357 | 2731 | 3394 | 2604 | 6001 | 5749 | 1586 | 2128 |
| 30 1958 Federal Report Surplus Deficit | 858 | 346 | 410 | -64.5 | 544 | 260 | 1711 | 1927 | 2157 | 1578 | 3351 | 5420 | 5014 | 1264 | 1804 |
| 31 1959 Federal Report Surplus Deficit | 1145 | 199 | 133 | 91.1 | 1526 | 2363 | 3719 | 3531 | 3506 | 3052 | 2616 | 4129 | 5103 | 4091 | 2638 |
| 32 1960 Federal Report Surplus Deficit | 2504 | 2207 | 2665 | 2687 | 2947 | 2188 | 1962 | 1721 | 2267 | 5312 | 3958 | 3128 | 4471 | 2495 | 2789 |
| 33 1961 Federal Report Surplus Deficit | 1476 | 190 | 87.7 | 50.9 | 881 | 515 | 1692 | 2332 | 3761 | 2225 | 2102 | 4871 | 5020 | 1334 | 1957 |
| 34 1962 Federal Report Surplus Deficit | 1295 | 500 | 138 | -230 | 588 | 523 | 1409 | 1627 | 323 | 3901 | 5122 | 4246 | 3618 | 1539 | 1591 |
| 35 1963 Federal Report Surplus Deficit | 1187 | 720 | -11.6 | 551 | 1637 | 2037 | 2549 | 1904 | 1210 | 470 | 1744 | 3644 | 3387 | 2246 | 1769 |
| 36 1964 Federal Report Surplus Deficit | 1089 | 467 | 601 | -156 | 595 | 465 | 432 | 429 | 584 | 2632 | 1579 | 3973 | 5489 | 4337 | 1636 |
| 37 1965 Federal Report Surplus Deficit | 2336 | 1863 | 1063 | 715 | 1312 | 3081 | 5057 | 4839 | 4522 | 1861 | 5136 | 5070 | 4248 | 2380 | 3154 |
| 38 1966 Federal Report Surplus Deficit | 2208 | 1790 | 91.2 | 268 | 803 | 743 | 1104 | 1241 | 730 | 3964 | 2360 | 2445 | 3195 | 2385 | 1511 |
| 39 1967 Federal Report Surplus Deficit | 1827 | 331 | 127 | -173 | 330 | 1165 | 3306 | 3060 | 3184 | 1456 | 10.4 | 3699 | 5189 | 3871 | 2129 |
| 40 1968 Federal Report Surplus Deficit | 1809 | 1275 | 490 | 153 | 1065 | 764 | 1824 | 2754 | 2813 | 309 | 1119 | 2242 | 4530 | 2810 | 1804 |
| 41 1969 Federal Report Surplus Deficit | 1957 | 1150 | 1546 | 816 | 2119 | 1597 | 4078 | 3997 | 3226 | 3797 | 4975 | 5638 | 4489 | 2474 | 2985 |
| 42 1970 Federal Report Surplus Deficit | 924 | 311 | 292 | 222 | 739 | 77.3 | 1746 | 1775 | 1233 | 813 | 1490 | 3885 | 5465 | 624 | 1479 |
| 43 1971 Federal Report Surplus Deficit | 702 | 296 | 161 | -91.0 | 374 | 801 | 4249 | 5031 | 4302 | 3645 | 4269 | 5479 | 5391 | 4064 | 2843 |
| 44 1972 Federal Report Surplus Deficit | 2522 | 2557 | 662 | 363 | 881 | 1056 | 3855 | 4730 | 5558 | 4957 | 3666 | 5368 | 5148 | 4285 | 3226 |
| 45 1973 Federal Report Surplus Deficit | 3028 | 2732 | 813 | 304 | 874 | 691 | 1431 | 785 | 192 | -695 | 727 | 2279 | 668 | 432 | 952 |
| 46 1974 Federal Report Surplus Deficit | 515 | -125 | 107 | -148 | 480 | 1610 | 5166 | 5214 | 5329 | 4339 | 4933 | 5194 | 5220 | 4807 | 3144 |
| 47 1975 Federal Report Surplus Deficit | 2842 | 2714 | 738 | -247 | 364 | 237 | 1919 | 2080 | 2405 | 672 | 1495 | 4572 | 5691 | 4436 | 2174 |
| 48 1976 Federal Report Surplus Deficit | 1773 | 1536 | 875 | 954 | 2360 | 3763 | 3739 | 3916 | 4047 | 4232 | 4064 | 5672 | 4597 | 3965 | 3307 |
| 49 1977 Federal Report Surplus Deficit | 3815 | 3526 | 2975 | 353 | 442 | -326 | 20.8 | 58.0 | -411 | -873 | 243 | 796 | -411 | 209 | 590 |
| 50 1978 Federal Report Surplus Deficit | 782 | -48.6 | -326 | -550 | 450 | 611 | 1410 | 1565 | 1851 | 3688 | 2746 | 4453 | 2912 | 2592 | 1544 |
| 51 1979 Federal Report Surplus Deficit | 881 | 190 | 1690 | 380 | 765 | -166 | -99.6 | 1157 | 1518 | 511 | 1927 | 4230 | 2429 | -227 | 1114 |
| 52 1980 Federal Report Surplus Deficit | 551 | -71.4 | 386 | -48.4 | 474 | -514 | 749 | -205 | 136 | 1412 | 3348 | 5509 | 4924 | 1050 | 1255 |
| 53 1981 Federal Report Surplus Deficit | 428 | -80.5 | 451 | -100.0 | 780 | 2033 | 3382 | 3031 | 1418 | -464 | 1667 | 3695 | 5391 | 3572 | 2032 |
| 54 1982 Federal Report Surplus Deficit | 2670 | 2055 | 473 | 9.46 | 1119 | 743 | 2621 | 5012 | 5263 | 3673 | 3396 | 5153 | 5657 | 4885 | 3061 |

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|------|-------|-------|-------|------|------|-------|------|------|------|------|
| 55 1983 Federal Report Surplus Deficit | 2453 | 2452 | 1471 | 858 | 1171 | 1229 | 3110 | 3425 | 4482 | 2745 | 2558 | 4336 | 4555 | 3868 | 2801 |
| 56 1984 Federal Report Surplus Deficit | 2567 | 1521 | 795 | 190 | 2625 | 1519 | 2571 | 2927 | 3001 | 4151 | 4634 | 4602 | 5577 | 3277 | 2785 |
| 57 1985 Federal Report Surplus Deficit | 2297 | 855 | 791 | 243 | 1164 | 677 | 957 | 992 | 911 | 2348 | 3522 | 4005 | 2195 | 499 | 1409 |
| 58 1986 Federal Report Surplus Deficit | 43.0 | -536 | 292 | 535 | 1459 | 855 | 1922 | 3118 | 5038 | 4258 | 4637 | 3486 | 4086 | 1353 | 2185 |
| 59 1987 Federal Report Surplus Deficit | 781 | 80.7 | 28.0 | -192 | 960 | 755 | 207 | 374 | 1211 | -159 | 1478 | 3209 | 2515 | 356 | 876 |
| 60 1988 Federal Report Surplus Deficit | 238 | -382 | -58.1 | -214 | 326 | -568 | -927 | -1041 | 239 | -184 | 1331 | 2222 | 849 | 1124 | 208 |
| 61 1989 Federal Report Surplus Deficit | 733 | 34.8 | 129 | -235 | 658 | 306 | -572 | -968 | 1319 | 1788 | 5100 | 3620 | 2487 | 702 | 941 |
| 62 1990 Federal Report Surplus Deficit | 401 | -159 | 216 | -32.6 | 813 | 1119 | 1461 | 2831 | 2786 | 1515 | 4545 | 3209 | 4366 | 2140 | 1829 |
| 63 1991 Federal Report Surplus Deficit | 2072 | 1583 | 109 | -245 | 2405 | 1772 | 3105 | 2663 | 2926 | 2551 | 2220 | 3838 | 4186 | 3955 | 2410 |
| 64 1992 Federal Report Surplus Deficit | 2520 | 1537 | 72.1 | -216 | 425 | -472 | -49.1 | 802 | 1163 | -719 | 707 | 2175 | 624 | 284 | 570 |
| 65 1993 Federal Report Surplus Deficit | 552 | -122 | -307 | -240 | 503 | -217 | -1249 | -1136 | 687 | 768 | 1903 | 4108 | 3621 | 751 | 675 |
| 66 1994 Federal Report Surplus Deficit | 833 | 269 | 449 | -70.1 | 667 | -31.7 | -804 | -431 | 440 | -361 | 1282 | 2305 | 2144 | 687 | 531 |
| 67 1995 Federal Report Surplus Deficit | 682 | -118 | 199 | -169 | 130 | 15.1 | 574 | 1152 | 1469 | 2457 | 1813 | 3769 | 4921 | 1847 | 1355 |
| 68 1996 Federal Report Surplus Deficit | 770 | 256 | 709 | 772 | 3210 | 4622 | 4877 | 5108 | 5676 | 3916 | 5293 | 5274 | 4697 | 4048 | 3671 |
| 69 1997 Federal Report Surplus Deficit | 2318 | 1554 | 462 | 62.7 | 1055 | 1688 | 5080 | 5483 | 5491 | 4207 | 5168 | 5383 | 5244 | 4302 | 3399 |
| 70 1998 Federal Report Surplus Deficit | 2226 | 2572 | 1429 | 2201 | 1980 | 654 | 875 | 1990 | 1219 | 1284 | 2484 | 5539 | 5467 | 2066 | 2307 |
| 71 1999 Federal Report Surplus Deficit | 1597 | 326 | 166 | -95.7 | 310 | 1490 | 3809 | 4196 | 4410 | 2505 | 3925 | 4164 | 5334 | 4346 | 2686 |
| 72 2000 Federal Report Surplus Deficit | 3309 | 2632 | 870 | 57.6 | 2763 | 2112 | 1907 | 1910 | 2285 | 3588 | 4936 | 4372 | 1934 | 1916 | 2279 |
| 73 2001 Federal Report Surplus Deficit | 1379 | -148 | -88.5 | -17.2 | 344 | -275 | -261 | -172 | -120 | -640 | 339 | 1618 | -642 | 145 | 84.6 |
| 74 2002 Federal Report Surplus Deficit | 680 | 11.3 | -295 | -635 | 320 | 133 | -539 | -172 | 588 | 1340 | 3954 | 3326 | 5070 | 3295 | 1172 |
| 75 2003 Federal Report Surplus Deficit | 1119 | 313 | 391 | 7.49 | 566 | -241 | -682 | -366 | 1884 | 1300 | 2179 | 3275 | 4757 | 509 | 1044 |
| 76 2004 Federal Report Surplus Deficit | 324 | -308 | -204 | -137 | 1058 | 773 | -4.91 | -568 | 728 | 774 | 1656 | 3089 | 2659 | 1015 | 805 |
| 77 2005 Federal Report Surplus Deficit | 683 | 285 | 1016 | 330 | 788 | 934 | 858 | 1623 | 374 | -153 | 1323 | 3476 | 2784 | 842 | 1170 |
| 78 2006 Federal Report Surplus Deficit | 980 | -22.1 | 259 | -224 | 970 | 668 | 2662 | 2457 | 2375 | 3957 | 4943 | 5260 | 4817 | 1685 | 2147 |
| 79 2007 Federal Report Surplus Deficit | 494 | 45.2 | -19.7 | -355 | 1041 | 758 | 1910 | 1302 | 3149 | 2924 | 2044 | 3900 | 2835 | 2116 | 1617 |
| 80 2008 Federal Report Surplus Deficit | 673 | -180 | -150 | -73.4 | 954 | 0.01 | 108 | 220 | 835 | 923 | 138 | 4608 | 5775 | 2511 | 1297 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 934 | 152 | 108 | -109 | 443 | -328 | -788 | -463 | -29.6 | -237 | 498 | 1858 | 634 | 346 | 197 |
| 82 Middle 80 pct | 1413 | 742 | 477 | 132 | 923 | 750 | 1445 | 1665 | 1993 | 1975 | 2827 | 4050 | 4046 | 2204 | 1761 |
| 83 Top 10 pct | 1975 | 1367 | 596 | 487 | 1722 | 2707 | 4547 | 4779 | 5008 | 3902 | 4699 | 5318 | 4802 | 3894 | 3315 |

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 968 | 943 | 86.7 | -226 | 252 | -506 | -565 | -405 | -218 | -549 | 917 | 1081 | 1140 | -938 | 70.2 |
| 2 1930 Federal Report Surplus Deficit | 524 | -53.0 | 44.7 | -101 | 368 | -496 | -1151 | -377 | -211 | 336 | 1165 | 710 | -457 | 385 | -25.0 |
| 3 1931 Federal Report Surplus Deficit | 708 | 31.6 | -83.1 | -154 | 452 | -371 | -1507 | -1103 | 413 | 293 | -905 | 1486 | -852 | 674 | -72.9 |
| 4 1932 Federal Report Surplus Deficit | 867 | 23.6 | -77.4 | -441 | 26.5 | -411 | -1236 | -1647 | 1231 | 3439 | 4450 | 4757 | 3935 | 1624 | 1023 |
| 5 1933 Federal Report Surplus Deficit | 1070 | 768 | 410 | -167 | 195 | 930 | 2021 | 2211 | 2053 | 1357 | 1826 | 3010 | 5131 | 3804 | 1839 |
| 6 1934 Federal Report Surplus Deficit | 2564 | 1869 | 464 | 428 | 2769 | 3923 | 4543 | 4418 | 4396 | 4461 | 4403 | 3572 | 2366 | 779 | 2849 |
| 7 1935 Federal Report Surplus Deficit | 78.6 | -196 | -361 | -204 | -273 | -133 | 1937 | 1591 | 2163 | -8.14 | 2068 | 2470 | 1774 | 2104 | 1003 |
| 8 1936 Federal Report Surplus Deficit | 1968 | 140 | -103 | -250 | 226 | -506 | -1395 | -470 | 81.8 | 448 | 3684 | 4472 | 3392 | 759 | 778 |
| 9 1937 Federal Report Surplus Deficit | 394 | -130 | -192 | -139 | 458 | -428 | -1323 | -958 | -285 | -243 | -487 | 1843 | 463 | -166 | -75.4 |
| 10 1938 Federal Report Surplus Deficit | 569 | -142 | -18.9 | -185 | 346 | 2.96 | 1570 | 1546 | 2422 | 2954 | 5101 | 4302 | 3010 | 1800 | 1583 |
| 11 1939 Federal Report Surplus Deficit | 92.8 | -263 | 217 | -150 | 127 | -591 | 476 | 145 | 619 | 1554 | 3050 | 2772 | 399 | 603 | 570 |
| 12 1940 Federal Report Surplus Deficit | 370 | -232 | -155 | -72.4 | 679 | 563 | -116 | 240 | 2649 | 1675 | 2382 | 2534 | 867 | 262 | 799 |
| 13 1941 Federal Report Surplus Deficit | 262 | -360 | -104 | -330 | 437 | -35.1 | -781 | -456 | -45.8 | -660 | 564 | 1837 | 594 | 461 | 126 |
| 14 1942 Federal Report Surplus Deficit | 740 | 14.5 | 227 | -418 | 822 | 1421 | 1116 | 743 | 447 | 394 | 2119 | 2353 | 2295 | 2947 | 1134 |
| 15 1943 Federal Report Surplus Deficit | 1274 | 784 | 588 | -107 | -35.9 | 225 | 2297 | 1886 | 2569 | 4729 | 5172 | 3545 | 4921 | 3594 | 2117 |
| 16 1944 Federal Report Surplus Deficit | 1310 | 545 | 61.9 | -226 | 311 | -535 | -267 | -329 | -395 | -618 | 697 | 538 | -1084 | -265 | -100 |
| 17 1945 Federal Report Surplus Deficit | 480 | -106 | -120 | -321 | 341 | -397 | -1267 | -781 | -174 | -498 | -612 | 3156 | 3253 | -401 | 246 |
| 18 1946 Federal Report Surplus Deficit | 261 | -91.7 | -68.5 | -273 | 375 | 451 | 1125 | 1247 | 1952 | 3482 | 5159 | 4326 | 2898 | 2455 | 1573 |
| 19 1947 Federal Report Surplus Deficit | 1833 | 1523 | 447 | -277 | 903 | 2727 | 3427 | 2797 | 3143 | 2384 | 2752 | 4213 | 3135 | 2351 | 2260 |
| 20 1948 Federal Report Surplus Deficit | 1118 | 253 | 363 | 1928 | 2017 | 1397 | 3112 | 2035 | 2274 | 1885 | 3999 | 5169 | 4754 | 3108 | 2484 |
| 21 1949 Federal Report Surplus Deficit | 2681 | 2229 | 816 | 65.4 | 611 | 271 | 992 | 493 | 3513 | 2409 | 4493 | 4794 | 3089 | -145 | 1706 |
| 22 1950 Federal Report Surplus Deficit | 38.7 | -514 | -646 | -304 | 118 | 527 | 2759 | 3594 | 3271 | 3745 | 3621 | 3639 | 4775 | 4484 | 2127 |
| 23 1951 Federal Report Surplus Deficit | 2616 | 2162 | 676 | 713 | 2336 | 2838 | 4360 | 4406 | 5033 | 4103 | 4210 | 4409 | 3041 | 3414 | 3143 |
| 24 1952 Federal Report Surplus Deficit | 1924 | 472 | 378 | 1461 | 1385 | 1493 | 2533 | 2321 | 2699 | 3738 | 5399 | 5123 | 3356 | 2032 | 2377 |
| 25 1953 Federal Report Surplus Deficit | 1334 | 60.6 | -279 | -204 | 285 | -461 | -392 | 3139 | 1275 | 574 | 1715 | 3320 | 5175 | 3711 | 1434 |
| 26 1954 Federal Report Surplus Deficit | 843 | 888 | 459 | 7.21 | 899 | 921 | 1999 | 3330 | 3038 | 2091 | 2776 | 4266 | 4140 | 4422 | 2225 |
| 27 1955 Federal Report Surplus Deficit | 3216 | 3000 | 2241 | 115 | 1464 | 888 | -31.1 | 584 | -561 | 225 | 1331 | 2748 | 4945 | 4322 | 1719 |
| 28 1956 Federal Report Surplus Deficit | 2570 | 1449 | 230 | 289 | 1946 | 2805 | 4080 | 4187 | 4250 | 3481 | 5016 | 5120 | 4580 | 3487 | 3096 |
| 29 1957 Federal Report Surplus Deficit | 1984 | 1799 | 483 | 227 | 560 | 1086 | 1347 | 166 | 2666 | 3332 | 2543 | 5466 | 4994 | 1362 | 1943 |
| 30 1958 Federal Report Surplus Deficit | 894 | 232 | 45.2 | -154 | 445 | 162 | 1631 | 1737 | 2092 | 1516 | 3290 | 4832 | 4264 | 1040 | 1584 |
| 31 1959 Federal Report Surplus Deficit | 1012 | 109 | 34.5 | 1.32 | 1427 | 2264 | 3640 | 3341 | 3442 | 2991 | 2557 | 3560 | 4379 | 3917 | 2439 |
| 32 1960 Federal Report Surplus Deficit | 2614 | 2099 | 2616 | 2597 | 2848 | 2090 | 1883 | 1531 | 2202 | 5240 | 3886 | 2543 | 3657 | 2271 | 2596 |
| 33 1961 Federal Report Surplus Deficit | 1654 | 44.3 | 85.5 | -38.9 | 782 | 417 | 1613 | 2142 | 3697 | 2163 | 2042 | 4263 | 4280 | 1110 | 1769 |
| 34 1962 Federal Report Surplus Deficit | 851 | 293 | -2.48 | -319 | 490 | 425 | 1330 | 1437 | 258 | 3840 | 5061 | 3666 | 2779 | 1315 | 1359 |
| 35 1963 Federal Report Surplus Deficit | 1367 | 551 | 7.09 | 462 | 1539 | 1939 | 2394 | 1821 | 1146 | 409 | 1683 | 3053 | 2548 | 2022 | 1578 |
| 36 1964 Federal Report Surplus Deficit | 1231 | 329 | 594 | -246 | 496 | 367 | 353 | 238 | 519 | 2570 | 1518 | 3387 | 4921 | 4132 | 1468 |
| 37 1965 Federal Report Surplus Deficit | 2541 | 1912 | 1072 | 625 | 1213 | 2983 | 4978 | 4694 | 4418 | 1764 | 5076 | 4573 | 3480 | 2156 | 2979 |
| 38 1966 Federal Report Surplus Deficit | 2307 | 1692 | 101 | 178 | 704 | 645 | 1025 | 1050 | 666 | 3900 | 2297 | 1858 | 2377 | 2161 | 1321 |
| 39 1967 Federal Report Surplus Deficit | 1682 | 190 | 112 | -263 | 231 | 1066 | 3227 | 3027 | 2961 | 1394 | -50.4 | 3123 | 4577 | 3650 | 1938 |
| 40 1968 Federal Report Surplus Deficit | 1753 | 1186 | 500 | 63.5 | 966 | 666 | 1744 | 2563 | 2748 | 247 | 1059 | 1654 | 3723 | 2586 | 1604 |
| 41 1969 Federal Report Surplus Deficit | 1953 | 1163 | 1530 | 726 | 2020 | 1499 | 3998 | 3821 | 3162 | 3703 | 4881 | 5058 | 3729 | 2250 | 2793 |
| 42 1970 Federal Report Surplus Deficit | 834 | 181 | 241 | 133 | 640 | -20.9 | 1667 | 1585 | 1168 | 752 | 1430 | 3317 | 4622 | 400 | 1272 |
| 43 1971 Federal Report Surplus Deficit | 802 | 86.6 | -77.9 | -181 | 275 | 702 | 4107 | 4873 | 4179 | 3689 | 4265 | 4948 | 4717 | 3869 | 2638 |
| 44 1972 Federal Report Surplus Deficit | 2538 | 2469 | 671 | 273 | 782 | 958 | 3776 | 4555 | 5448 | 4876 | 3585 | 4787 | 4453 | 4032 | 3032 |
| 45 1973 Federal Report Surplus Deficit | 2899 | 2644 | 822 | 214 | 776 | 592 | 1352 | 595 | 127 | -756 | 667 | 1693 | -175 | 208 | 750 |
| 46 1974 Federal Report Surplus Deficit | 479 | -110 | -168 | -238 | 381 | 1512 | 5079 | 5033 | 5250 | 4231 | 4838 | 4643 | 4625 | 4553 | 2937 |
| 47 1975 Federal Report Surplus Deficit | 2727 | 2691 | 747 | -337 | 266 | 139 | 1928 | 1781 | 2341 | 611 | 1434 | 4094 | 4969 | 4176 | 1990 |
| 48 1976 Federal Report Surplus Deficit | 1663 | 1251 | 885 | 864 | 2261 | 3665 | 3660 | 3769 | 3937 | 4162 | 3994 | 5103 | 3811 | 3747 | 3101 |
| 49 1977 Federal Report Surplus Deficit | 3400 | 3456 | 3032 | 263 | 343 | -424 | -58.3 | -132 | -475 | -934 | 183 | 208 | -1255 | -15.1 | 382 |
| 50 1978 Federal Report Surplus Deficit | 551 | -190 | -553 | -640 | 351 | 513 | 1331 | 1374 | 1786 | 3625 | 2684 | 3901 | 2071 | 2367 | 1319 |
| 51 1979 Federal Report Surplus Deficit | 1172 | 494 | 1233 | 290 | 667 | -264 | -179 | 967 | 1454 | 450 | 1866 | 3630 | 1587 | -451 | 906 |
| 52 1980 Federal Report Surplus Deficit | 315 | -249 | 65.5 | -138 | 375 | -613 | 670 | -395 | 71.6 | 1351 | 3287 | 5004 | 4098 | 826 | 1030 |
| 53 1981 Federal Report Surplus Deficit | 261 | -88.1 | 200 | -190 | 681 | 1934 | 3303 | 2841 | 1353 | -525 | 1606 | 3108 | 4717 | 3365 | 1823 |
| 54 1982 Federal Report Surplus Deficit | 2521 | 2188 | 482 | -80.4 | 1020 | 644 | 2542 | 4839 | 5196 | 3601 | 3331 | 4626 | 4865 | 4607 | 2868 |

Federal Report Surplus Deficit By Water Year

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2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|------|-------|-------|-------|------|------|-------|------|-------|-------|-------|
| 55 1983 Federal Report Surplus Deficit | 2576 | 2447 | 1462 | 768 | 1072 | 1131 | 3031 | 3234 | 4405 | 2682 | 2495 | 3763 | 3733 | 3656 | 2612 |
| 56 1984 Federal Report Surplus Deficit | 2285 | 1894 | 804 | 100 | 2526 | 1421 | 2492 | 2737 | 2937 | 4080 | 4563 | 4064 | 4825 | 3049 | 2607 |
| 57 1985 Federal Report Surplus Deficit | 1946 | 685 | 800 | 154 | 1065 | 579 | 878 | 802 | 846 | 2284 | 3459 | 3419 | 1352 | 275 | 1194 |
| 58 1986 Federal Report Surplus Deficit | -270 | -517 | -142 | 445 | 1360 | 757 | 1843 | 2928 | 4954 | 4103 | 4616 | 2911 | 3310 | 1131 | 1944 |
| 59 1987 Federal Report Surplus Deficit | 892 | -108 | -83.1 | -282 | 861 | 657 | 128 | 183 | 1146 | -221 | 1417 | 2614 | 1672 | 132 | 670 |
| 60 1988 Federal Report Surplus Deficit | 219 | -412 | -348 | -304 | 227 | -666 | -1007 | -1231 | 175 | -246 | 1271 | 1636 | 6.10 | 900 | -8.46 |
| 61 1989 Federal Report Surplus Deficit | 646 | -61.6 | -71.5 | -325 | 559 | 208 | -651 | -1158 | 1254 | 1720 | 5033 | 3040 | 1645 | 477 | 728 |
| 62 1990 Federal Report Surplus Deficit | 333 | -171 | -89.2 | -122 | 714 | 1020 | 1382 | 2641 | 2721 | 1454 | 4484 | 2630 | 3539 | 1914 | 1606 |
| 63 1991 Federal Report Surplus Deficit | 1943 | 1286 | 45.1 | -334 | 2306 | 1674 | 3026 | 2488 | 2853 | 2492 | 2171 | 3245 | 3431 | 3742 | 2200 |
| 64 1992 Federal Report Surplus Deficit | 2641 | 1449 | 81.7 | -306 | 326 | -570 | -128 | 611 | 1098 | -781 | 646 | 1587 | -219 | 60.3 | 377 |
| 65 1993 Federal Report Surplus Deficit | 456 | -185 | -551 | -330 | 404 | -315 | -1328 | -1327 | 622 | 706 | 1842 | 3511 | 2638 | 695 | 461 |
| 66 1994 Federal Report Surplus Deficit | 691 | 180 | 170 | -160 | 568 | -130 | -883 | -621 | 376 | -422 | 1221 | 1737 | 1301 | 463 | 308 |
| 67 1995 Federal Report Surplus Deficit | 543 | -142 | -21.9 | -259 | 31.6 | -83.0 | 494 | 962 | 1405 | 2396 | 1752 | 3188 | 4123 | 1623 | 1141 |
| 68 1996 Federal Report Surplus Deficit | 593 | 195 | 491 | 682 | 3111 | 4524 | 4798 | 4935 | 5601 | 3799 | 5247 | 4731 | 3953 | 3824 | 3456 |
| 69 1997 Federal Report Surplus Deficit | 2385 | 1444 | 471 | -27.2 | 956 | 1589 | 5001 | 5309 | 5424 | 4137 | 5128 | 4895 | 4562 | 4081 | 3221 |
| 70 1998 Federal Report Surplus Deficit | 2419 | 2484 | 1424 | 2111 | 1881 | 556 | 795 | 1800 | 1154 | 1223 | 2424 | 5028 | 4717 | 1842 | 2131 |
| 71 1999 Federal Report Surplus Deficit | 1957 | 640 | 151 | -186 | 212 | 1392 | 3729 | 4006 | 4347 | 2445 | 3866 | 3586 | 4678 | 4131 | 2533 |
| 72 2000 Federal Report Surplus Deficit | 3313 | 2544 | 879 | -32.2 | 2664 | 2013 | 1828 | 1720 | 2221 | 3514 | 4863 | 3845 | 1100 | 1692 | 2088 |
| 73 2001 Federal Report Surplus Deficit | 1556 | -233 | -267 | -107 | 245 | -374 | -340 | -362 | -185 | -702 | 278 | 1030 | -1485 | -79.3 | -120 |
| 74 2002 Federal Report Surplus Deficit | 515 | -96.0 | -525 | -724 | 222 | 34.8 | -619 | -362 | 524 | 1278 | 3893 | 2739 | 4246 | 3084 | 954 |
| 75 2003 Federal Report Surplus Deficit | 831 | 581 | 46.9 | -82.3 | 467 | -340 | -761 | -556 | 1820 | 1239 | 2118 | 2689 | 3978 | 285 | 831 |
| 76 2004 Federal Report Surplus Deficit | 186 | -321 | -394 | -227 | 959 | 675 | -84.1 | -758 | 663 | 713 | 1596 | 2502 | 1816 | 791 | 593 |
| 77 2005 Federal Report Surplus Deficit | 125 | 84.2 | 546 | 240 | 689 | 836 | 779 | 1433 | 310 | -214 | 1263 | 2912 | 1969 | 619 | 909 |
| 78 2006 Federal Report Surplus Deficit | 772 | 4.09 | -51.1 | -314 | 871 | 570 | 2582 | 2266 | 2311 | 3887 | 4875 | 4671 | 4073 | 1461 | 1926 |
| 79 2007 Federal Report Surplus Deficit | 511 | -161 | -299 | -445 | 942 | 659 | 1831 | 1112 | 3084 | 2863 | 1983 | 3330 | 2045 | 1904 | 1399 |
| 80 2008 Federal Report Surplus Deficit | 510 | -287 | -436 | -163 | 855 | -98.1 | 29.1 | 30.1 | 771 | 862 | 77.6 | 4066 | 5133 | 2287 | 1091 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 81 Bottom 10 pct | 743 | 41.4 | -100 | -198 | 344 | -426 | -868 | -653 | -94.1 | -299 | 438 | 1270 | -209 | 122 | -25.7 |
| 82 Middle 80 pct | 1311 | 681 | 325 | 42.6 | 824 | 652 | 1355 | 1481 | 1932 | 1914 | 2767 | 3478 | 3268 | 1986 | 1555 |
| 83 Top 10 pct | 1923 | 1346 | 541 | 397 | 1623 | 2609 | 4466 | 4611 | 4920 | 3819 | 4637 | 4783 | 4063 | 3662 | 3121 |

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 869 | 753 | -61.1 | -312 | 176 | -583 | -637 | -482 | -296 | -613 | 854 | 1549 | 1857 | -841 | 109 |
| 2 1930 Federal Report Surplus Deficit | 424 | -243 | -103 | -187 | 293 | -573 | -1224 | -454 | -289 | 272 | 1101 | 1179 | 261 | 482 | 13.5 |
| 3 1931 Federal Report Surplus Deficit | 609 | -158 | -231 | -239 | 377 | -448 | -1579 | -1180 | 335 | 229 | -968 | 1955 | -134 | 771 | -34.4 |
| 4 1932 Federal Report Surplus Deficit | 768 | -166 | -225 | -527 | -49.3 | -488 | -1309 | -1724 | 1153 | 3297 | 4308 | 5128 | 4549 | 1720 | 1038 |
| 5 1933 Federal Report Surplus Deficit | 970 | 578 | 262 | -252 | 119 | 853 | 1882 | 2046 | 1932 | 1279 | 1762 | 3463 | 5547 | 3905 | 1835 |
| 6 1934 Federal Report Surplus Deficit | 2465 | 1679 | 316 | 342 | 2628 | 3789 | 4382 | 4212 | 4203 | 4307 | 4248 | 3974 | 3083 | 876 | 2837 |
| 7 1935 Federal Report Surplus Deficit | -20.6 | -386 | -508 | -290 | -348 | -210 | 1794 | 1460 | 2034 | -71.9 | 2004 | 2936 | 2491 | 2201 | 1027 |
| 8 1936 Federal Report Surplus Deficit | 1868 | -49.9 | -250 | -336 | 150 | -583 | -1467 | -547 | 3.76 | 384 | 3543 | 4885 | 4111 | 855 | 809 |
| 9 1937 Federal Report Surplus Deficit | 295 | -320 | -340 | -225 | 382 | -505 | -1395 | -1035 | -363 | -307 | -551 | 2312 | 1181 | -68.8 | -36.9 |
| 10 1938 Federal Report Surplus Deficit | 470 | -332 | -167 | -271 | 270 | -74.2 | 1478 | 1424 | 2279 | 2800 | 4947 | 4689 | 3713 | 1897 | 1595 |
| 11 1939 Federal Report Surplus Deficit | -6.46 | -453 | 69.2 | -235 | 50.7 | -668 | 403 | 176 | 436 | 1473 | 2982 | 3235 | 1116 | 699 | 607 |
| 12 1940 Federal Report Surplus Deficit | 270 | -422 | -302 | -158 | 603 | 486 | -188 | 163 | 2492 | 1569 | 2318 | 3001 | 1585 | 359 | 828 |
| 13 1941 Federal Report Surplus Deficit | 163 | -550 | -252 | -416 | 361 | -112 | -853 | -533 | -124 | -724 | 501 | 2307 | 1312 | 558 | 165 |
| 14 1942 Federal Report Surplus Deficit | 640 | -175 | 79.2 | -504 | 746 | 1344 | 1044 | 666 | 369 | 330 | 2048 | 2821 | 3011 | 3043 | 1172 |
| 15 1943 Federal Report Surplus Deficit | 1070 | 607 | 440 | -193 | -112 | 148 | 2136 | 1752 | 2418 | 4586 | 5028 | 3939 | 5487 | 3704 | 2110 |
| 16 1944 Federal Report Surplus Deficit | 1211 | 355 | -85.9 | -312 | 235 | -612 | -340 | -406 | -473 | -682 | 633 | 1007 | -366 | -168 | -61.9 |
| 17 1945 Federal Report Surplus Deficit | 381 | -296 | -268 | -407 | 265 | -474 | -1339 | -858 | -252 | -562 | -676 | 3605 | 3934 | -304 | 279 |
| 18 1946 Federal Report Surplus Deficit | 161 | -281 | -216 | -359 | 300 | 373 | 1052 | 1162 | 1845 | 3324 | 5000 | 4765 | 3603 | 2552 | 1597 |
| 19 1947 Federal Report Surplus Deficit | 1734 | 1333 | 299 | -363 | 827 | 2593 | 3266 | 2592 | 2945 | 2238 | 2669 | 4576 | 3835 | 2447 | 2251 |
| 20 1948 Federal Report Surplus Deficit | 1019 | 63.0 | 216 | 1801 | 1930 | 1320 | 2950 | 1880 | 2158 | 1769 | 3864 | 5511 | 5320 | 3209 | 2473 |
| 21 1949 Federal Report Surplus Deficit | 2582 | 2039 | 668 | -20.4 | 535 | 193 | 919 | 416 | 3312 | 2265 | 4349 | 5206 | 3755 | -48.1 | 1718 |
| 22 1950 Federal Report Surplus Deficit | -60.5 | -704 | -794 | -390 | 41.8 | 450 | 2598 | 3388 | 3072 | 3598 | 3476 | 4053 | 5336 | 4492 | 2106 |
| 23 1951 Federal Report Surplus Deficit | 2517 | 1973 | 528 | 627 | 2216 | 2704 | 4199 | 4200 | 4835 | 3968 | 4075 | 4721 | 3747 | 3505 | 3125 |
| 24 1952 Federal Report Surplus Deficit | 1825 | 283 | 230 | 1335 | 1309 | 1416 | 2375 | 2146 | 2534 | 3630 | 5264 | 5559 | 4062 | 2129 | 2381 |
| 25 1953 Federal Report Surplus Deficit | 1235 | -129 | -427 | -290 | 209 | -538 | -464 | 2933 | 1197 | 511 | 1651 | 3723 | 5590 | 3821 | 1433 |
| 26 1954 Federal Report Surplus Deficit | 797 | 698 | 311 | -78.5 | 823 | 844 | 1882 | 3124 | 2841 | 1967 | 2687 | 4609 | 4712 | 4461 | 2211 |
| 27 1955 Federal Report Surplus Deficit | 3117 | 2810 | 2093 | 29.3 | 1388 | 811 | -104 | 507 | -639 | 161 | 1268 | 3205 | 5542 | 4321 | 1738 |
| 28 1956 Federal Report Surplus Deficit | 2466 | 1221 | 82.0 | 203 | 1854 | 2672 | 3918 | 3981 | 4049 | 3306 | 4842 | 5430 | 5225 | 3595 | 3071 |
| 29 1957 Federal Report Surplus Deficit | 1884 | 1609 | 336 | 141 | 484 | 1009 | 1271 | 89.3 | 2507 | 3187 | 2479 | 5845 | 5565 | 1459 | 1951 |
| 30 1958 Federal Report Surplus Deficit | 795 | 42.0 | -103 | -240 | 369 | 84.5 | 1538 | 1611 | 1972 | 1426 | 3166 | 5244 | 4902 | 1137 | 1598 |
| 31 1959 Federal Report Surplus Deficit | 913 | -80.5 | -113 | -84.4 | 1351 | 2131 | 3479 | 3135 | 3242 | 2846 | 2480 | 3965 | 4982 | 4015 | 2427 |
| 32 1960 Federal Report Surplus Deficit | 2528 | 1929 | 2469 | 2471 | 2708 | 1956 | 1788 | 1414 | 2104 | 5099 | 3746 | 3011 | 4318 | 2367 | 2604 |
| 33 1961 Federal Report Surplus Deficit | 1555 | -146 | -62.3 | -125 | 706 | 340 | 1515 | 1975 | 3498 | 2031 | 1978 | 4653 | 4917 | 1207 | 1772 |
| 34 1962 Federal Report Surplus Deficit | 752 | 103 | -150 | -405 | 414 | 348 | 1258 | 1334 | 180 | 3690 | 4912 | 4075 | 3490 | 1412 | 1383 |
| 35 1963 Federal Report Surplus Deficit | 1267 | 361 | -141 | 376 | 1463 | 1832 | 2232 | 1652 | 1068 | 345 | 1619 | 3511 | 3261 | 2118 | 1598 |
| 36 1964 Federal Report Surplus Deficit | 1132 | 140 | 446 | -331 | 420 | 289 | 281 | 161 | 441 | 2426 | 1455 | 3811 | 5366 | 4243 | 1478 |
| 37 1965 Federal Report Surplus Deficit | 2445 | 1658 | 924 | 539 | 1137 | 2849 | 4817 | 4488 | 4222 | 1655 | 4930 | 4943 | 4136 | 2253 | 2964 |
| 38 1966 Federal Report Surplus Deficit | 2208 | 1502 | -46.8 | 92.7 | 628 | 567 | 952 | 973 | 588 | 3757 | 2235 | 2326 | 3092 | 2258 | 1356 |
| 39 1967 Federal Report Surplus Deficit | 1583 | -0.10 | -35.6 | -348 | 155 | 989 | 3066 | 2821 | 2788 | 1330 | -114 | 3519 | 5017 | 3743 | 1922 |
| 40 1968 Federal Report Surplus Deficit | 1654 | 996 | 352 | -22.3 | 890 | 589 | 1619 | 2357 | 2552 | 184 | 994 | 2123 | 4358 | 2683 | 1612 |
| 41 1969 Federal Report Surplus Deficit | 1854 | 973 | 1382 | 639 | 1938 | 1422 | 3837 | 3615 | 2963 | 3577 | 4755 | 5471 | 4353 | 2347 | 2786 |
| 42 1970 Federal Report Surplus Deficit | 735 | -8.81 | 93.3 | 46.9 | 564 | -98.0 | 1575 | 1458 | 1090 | 688 | 1366 | 3730 | 5308 | 497 | 1297 |
| 43 1971 Federal Report Surplus Deficit | 703 | -103 | -226 | -267 | 199 | 625 | 3946 | 4666 | 3980 | 3532 | 4107 | 5332 | 5222 | 3952 | 2615 |
| 44 1972 Federal Report Surplus Deficit | 2438 | 2279 | 524 | 187 | 706 | 881 | 3615 | 4349 | 5242 | 4705 | 3415 | 5099 | 5017 | 4108 | 3005 |
| 45 1973 Federal Report Surplus Deficit | 2800 | 2454 | 675 | 128 | 700 | 515 | 1280 | 518 | 49.1 | -820 | 603 | 2160 | 543 | 305 | 788 |
| 46 1974 Federal Report Surplus Deficit | 379 | -300 | -316 | -324 | 305 | 1434 | 4918 | 4827 | 5063 | 4118 | 4725 | 5004 | 5151 | 4645 | 2920 |
| 47 1975 Federal Report Surplus Deficit | 2627 | 2502 | 599 | -423 | 190 | 61.7 | 1800 | 1652 | 2233 | 546 | 1370 | 4465 | 5577 | 4253 | 1998 |
| 48 1976 Federal Report Surplus Deficit | 1564 | 1061 | 737 | 768 | 2146 | 3532 | 3499 | 3562 | 3738 | 4016 | 3848 | 5516 | 4437 | 3837 | 3083 |
| 49 1977 Federal Report Surplus Deficit | 3300 | 3266 | 2885 | 177 | 267 | -501 | -131 | -209 | -553 | -998 | 119 | 677 | -537 | 81.7 | 421 |
| 50 1978 Federal Report Surplus Deficit | 452 | -380 | -701 | -726 | 275 | 435 | 1258 | 1468 | 1491 | 3479 | 2597 | 4243 | 2788 | 2465 | 1337 |
| 51 1979 Federal Report Surplus Deficit | 1072 | 304 | 1085 | 204 | 591 | -341 | -251 | 890 | 1376 | 386 | 1802 | 4046 | 2305 | -355 | 940 |
| 52 1980 Federal Report Surplus Deficit | 215 | -439 | -82.3 | -224 | 299 | -690 | 597 | -472 | -6.46 | 1282 | 3196 | 5321 | 4693 | 923 | 1044 |
| 53 1981 Federal Report Surplus Deficit | 161 | -278 | 51.9 | -276 | 605 | 1822 | 3142 | 2635 | 1275 | -589 | 1542 | 3559 | 5333 | 3463 | 1831 |
| 54 1982 Federal Report Surplus Deficit | 2443 | 1998 | 334 | -166 | 944 | 567 | 2380 | 4633 | 4973 | 3440 | 3194 | 4994 | 5504 | 4697 | 2855 |

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|--|------|-----------|-------|------|-------|-------|-------|-------|------|------|-------|------|------|------|-------|
| 55 1983 Federal Report Surplus Deficit | 2477 | 2258 | 1315 | 682 | 996 | 1053 | 2870 | 3028 | 4216 | 2534 | 2416 | 4196 | 4362 | 3737 | 2608 |
| 56 1984 Federal Report Surplus Deficit | 2186 | 1705 | 657 | 14.6 | 2397 | 1344 | 2331 | 2531 | 2738 | 3934 | 4417 | 4463 | 5497 | 3151 | 2597 |
| 57 1985 Federal Report Surplus Deficit | 1847 | 495 | 652 | 67.8 | 989 | 502 | 805 | 725 | 768 | 2144 | 3316 | 3861 | 2070 | 372 | 1224 |
| 58 1986 Federal Report Surplus Deficit | -369 | -707 | -290 | 359 | 1284 | 680 | 1725 | 2722 | 4776 | 3958 | 4469 | 3352 | 3966 | 1227 | 1946 |
| 59 1987 Federal Report Surplus Deficit | 792 | -298 | -231 | -367 | 785 | 580 | 55.2 | 106 | 1068 | -285 | 1354 | 3085 | 2390 | 228 | 708 |
| 60 1988 Federal Report Surplus Deficit | 119 | -602 | -496 | -389 | 151 | -743 | -1079 | -1308 | 96.5 | -309 | 1207 | 2104 | 724 | 997 | 30.0 |
| 61 1989 Federal Report Surplus Deficit | 546 | -251 | -219 | -411 | 483 | 131 | -724 | -1235 | 1176 | 1638 | 4894 | 3483 | 2363 | 574 | 760 |
| 62 1990 Federal Report Surplus Deficit | 234 | -361 | -237 | -208 | 638 | 943 | 1298 | 2455 | 2575 | 1368 | 4337 | 3099 | 4220 | 2013 | 1622 |
| 63 1991 Federal Report Surplus Deficit | 1844 | 1096 | -103 | -420 | 2174 | 1561 | 2865 | 2373 | 2634 | 2370 | 2107 | 3658 | 4063 | 3835 | 2194 |
| 64 1992 Federal Report Surplus Deficit | 2542 | 1259 | -66.1 | -392 | 250 | -647 | -201 | 534 | 1020 | -844 | 582 | 2056 | 499 | 157 | 415 |
| 65 1993 Federal Report Surplus Deficit | 356 | -374 | -699 | -416 | 328 | -392 | -1401 | -1404 | 544 | 642 | 1778 | 3924 | 3350 | 792 | 494 |
| 66 1994 Federal Report Surplus Deficit | 592 | -9.70 | 22.6 | -246 | 492 | -207 | -956 | -699 | 298 | -486 | 1157 | 2206 | 2019 | 559 | 347 |
| 67 1995 Federal Report Surplus Deficit | 444 | -331 | -170 | -344 | -44.2 | -160 | 422 | 1016 | 1198 | 2252 | 1688 | 3609 | 4766 | 1720 | 1165 |
| 68 1996 Federal Report Surplus Deficit | 494 | 5.08 | 344 | 596 | 2971 | 4390 | 4637 | 4728 | 5370 | 3651 | 5099 | 5071 | 4587 | 3925 | 3430 |
| 69 1997 Federal Report Surplus Deficit | 2286 | 1254 | 323 | -113 | 881 | 1512 | 4839 | 5102 | 5222 | 3942 | 4984 | 5196 | 5213 | 4146 | 3201 |
| 70 1998 Federal Report Surplus Deficit | 2319 | 2294 | 1276 | 1985 | 1805 | 479 | 723 | 1654 | 1076 | 1159 | 2360 | 5440 | 5250 | 1938 | 2141 |
| 71 1999 Federal Report Surplus Deficit | 1858 | 450 | 3.35 | -271 | 136 | 1315 | 3568 | 3800 | 4147 | 2297 | 3717 | 4000 | 5286 | 4184 | 2519 |
| 72 2000 Federal Report Surplus Deficit | 3213 | 2354 | 731 | -118 | 2524 | 1897 | 1708 | 1591 | 2107 | 3384 | 4733 | 4246 | 1818 | 1789 | 2096 |
| 73 2001 Federal Report Surplus Deficit | 1456 | -423 | -415 | -193 | 169 | -451 | -413 | -439 | -263 | -765 | 214 | 1498 | -768 | 17.5 | -81.6 |
| 74 2002 Federal Report Surplus Deficit | 416 | -286 | -672 | -810 | 146 | -42.4 | -691 | -439 | 446 | 1214 | 3748 | 3196 | 4902 | 3181 | 983 |
| 75 2003 Federal Report Surplus Deficit | 732 | 391 | -101 | -168 | 391 | -417 | -833 | -633 | 1742 | 1167 | 2054 | 3152 | 4578 | 381 | 859 |
| 76 2004 Federal Report Surplus Deficit | 86.3 | -511 | -542 | -313 | 884 | 598 | -156 | -835 | 585 | 649 | 1532 | 2971 | 2534 | 887 | 631 |
| 77 2005 Federal Report Surplus Deficit | 25.3 | -106 | 398 | 154 | 613 | 759 | 707 | 1314 | 232 | -278 | 1199 | 3359 | 2687 | 716 | 943 |
| 78 2006 Federal Report Surplus Deficit | 673 | -186 | -199 | -399 | 795 | 493 | 2421 | 2124 | 2189 | 3753 | 4740 | 5084 | 4755 | 1558 | 1935 |
| 79 2007 Federal Report Surplus Deficit | 412 | -351 | -446 | -531 | 867 | 582 | 1722 | 1022 | 2885 | 2718 | 1920 | 3739 | 2760 | 2001 | 1415 |
| 80 2008 Federal Report Surplus Deficit | 411 | -477 | -584 | -249 | 779 | -175 | -43.4 | -46.9 | 693 | 798 | 13.8 | 4450 | 5638 | 2384 | 1105 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 643 | -148 | -248 | -284 | 268 | -504 | -940 | -730 | -172 | -362 | 374 | 1739 | 508 | 218 | 12.8 |
| 82 Middle 80 pct | 1212 | 492 | 178 | -45.8 | 743 | 569 | 1249 | 1359 | 1801 | 1809 | 2670 | 3900 | 3914 | 2078 | 1568 |
| 83 Top 10 pct | 1824 | 1144 | 393 | 310 | 1527 | 2497 | 4305 | 4405 | 4718 | 3670 | 4490 | 5123 | 4689 | 3752 | 3100 |

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 872 | 805 | -33.6 | -369 | 107 | -660 | -716 | -556 | -364 | -698 | 812 | 966 | 1018 | -975 | -56.9 |
| 2 1930 Federal Report Surplus Deficit | 428 | -191 | -75.6 | -244 | 224 | -650 | -1302 | -527 | -356 | 187 | 1060 | 595 | -579 | 348 | -152 |
| 3 1931 Federal Report Surplus Deficit | 612 | -106 | -203 | -296 | 307 | -525 | -1658 | -1254 | 268 | 144 | -1010 | 1371 | -974 | 637 | -200 |
| 4 1932 Federal Report Surplus Deficit | 771 | -114 | -198 | -584 | -118 | -565 | -1387 | -1798 | 1086 | 3207 | 4262 | 4547 | 3818 | 1586 | 881 |
| 5 1933 Federal Report Surplus Deficit | 974 | 630 | 289 | -309 | 50.0 | 775 | 1804 | 1839 | 2001 | 1194 | 1721 | 2884 | 4957 | 3771 | 1692 |
| 6 1934 Federal Report Surplus Deficit | 2468 | 1731 | 344 | 285 | 2559 | 3712 | 4304 | 4138 | 4132 | 4235 | 4221 | 3413 | 2243 | 742 | 2674 |
| 7 1935 Federal Report Surplus Deficit | -17.5 | -334 | -481 | -347 | -418 | -287 | 1715 | 1386 | 1967 | -157 | 1963 | 2351 | 1653 | 2066 | 861 |
| 8 1936 Federal Report Surplus Deficit | 1871 | 1.83 | -223 | -393 | 81.1 | -660 | -1546 | -620 | -63.6 | 300 | 3501 | 4316 | 3323 | 721 | 649 |
| 9 1937 Federal Report Surplus Deficit | 298 | -268 | -313 | -282 | 313 | -583 | -1474 | -1109 | -431 | -392 | -592 | 1727 | 342 | -203 | -203 |
| 10 1938 Federal Report Surplus Deficit | 473 | -280 | -139 | -328 | 201 | -151 | 1400 | 1351 | 2211 | 2723 | 4913 | 4069 | 2873 | 1762 | 1427 |
| 11 1939 Federal Report Surplus Deficit | -3.37 | -401 | 96.7 | -293 | -18.4 | -745 | 325 | 102 | 369 | 1388 | 2941 | 2660 | 277 | 565 | 442 |
| 12 1940 Federal Report Surplus Deficit | 274 | -370 | -275 | -215 | 534 | 409 | -266 | 89.5 | 2425 | 1484 | 2277 | 2420 | 745 | 225 | 663 |
| 13 1941 Federal Report Surplus Deficit | 166 | -498 | -225 | -473 | 292 | -189 | -932 | -607 | -191 | -808 | 459 | 1723 | 472 | 424 | -0.80 |
| 14 1942 Federal Report Surplus Deficit | 643 | -124 | 107 | -561 | 677 | 1267 | 965 | 592 | 302 | 245 | 2006 | 2237 | 2174 | 2909 | 1007 |
| 15 1943 Federal Report Surplus Deficit | 1073 | 659 | 468 | -250 | -181 | 70.4 | 2058 | 1678 | 2350 | 4543 | 4987 | 3402 | 4823 | 3567 | 1964 |
| 16 1944 Federal Report Surplus Deficit | 1214 | 407 | -58.4 | -369 | 166 | -689 | -418 | -480 | -541 | -767 | 592 | 424 | -1206 | -302 | -227 |
| 17 1945 Federal Report Surplus Deficit | 384 | -244 | -241 | -464 | 196 | -552 | -1418 | -932 | -319 | -647 | -717 | 3030 | 3134 | -438 | 118 |
| 18 1946 Federal Report Surplus Deficit | 165 | -230 | -189 | -416 | 230 | 296 | 974 | 1088 | 1777 | 3255 | 4974 | 4194 | 2776 | 2418 | 1435 |
| 19 1947 Federal Report Surplus Deficit | 1737 | 1385 | 327 | -420 | 758 | 2516 | 3188 | 2518 | 2878 | 2154 | 2629 | 4040 | 3017 | 2313 | 2091 |
| 20 1948 Federal Report Surplus Deficit | 1022 | 115 | 243 | 1744 | 1861 | 1242 | 2872 | 1806 | 2090 | 1685 | 3821 | 4963 | 4659 | 3077 | 2326 |
| 21 1949 Federal Report Surplus Deficit | 2585 | 2091 | 678 | -77.4 | 466 | 116 | 841 | 342 | 3245 | 2182 | 4309 | 4622 | 2955 | -182 | 1555 |
| 22 1950 Federal Report Surplus Deficit | -57.4 | -652 | -766 | -447 | -27.4 | 373 | 2519 | 3315 | 3004 | 3516 | 3436 | 3485 | 4666 | 4365 | 1957 |
| 23 1951 Federal Report Surplus Deficit | 2520 | 2024 | 556 | 570 | 2147 | 2627 | 4173 | 3976 | 4565 | 3884 | 4034 | 4270 | 2917 | 3367 | 2947 |
| 24 1952 Federal Report Surplus Deficit | 1828 | 334 | 258 | 1278 | 1240 | 1339 | 2296 | 2072 | 2467 | 3537 | 5214 | 5054 | 3266 | 1995 | 2225 |
| 25 1953 Federal Report Surplus Deficit | 1238 | -77.4 | -400 | -347 | 140 | -616 | -543 | 2859 | 1130 | 426 | 1610 | 3157 | 5000 | 3687 | 1289 |
| 26 1954 Federal Report Surplus Deficit | 800 | 750 | 339 | -136 | 754 | 767 | 1804 | 3050 | 2774 | 1883 | 2647 | 4070 | 3930 | 4344 | 2056 |
| 27 1955 Federal Report Surplus Deficit | 3120 | 2861 | 2072 | -27.7 | 1319 | 734 | -182 | 433 | -706 | 76.2 | 1226 | 2631 | 4791 | 4230 | 1580 |
| 28 1956 Federal Report Surplus Deficit | 2469 | 1273 | 109 | 146 | 1784 | 2595 | 3840 | 3907 | 3985 | 3250 | 4829 | 4903 | 4508 | 3450 | 2922 |
| 29 1957 Federal Report Surplus Deficit | 1887 | 1661 | 363 | 83.9 | 415 | 932 | 1193 | 15.6 | 2440 | 3103 | 2438 | 5303 | 4840 | 1324 | 1798 |
| 30 1958 Federal Report Surplus Deficit | 798 | 93.8 | -75.1 | -297 | 300 | 7.46 | 1459 | 1537 | 1905 | 1341 | 3125 | 4660 | 4114 | 1003 | 1437 |
| 31 1959 Federal Report Surplus Deficit | 916 | -28.7 | -85.8 | -141 | 1282 | 2054 | 3400 | 3061 | 3175 | 2762 | 2439 | 3392 | 4255 | 3889 | 2272 |
| 32 1960 Federal Report Surplus Deficit | 2531 | 1981 | 2448 | 2414 | 2639 | 1879 | 1710 | 1340 | 2037 | 4991 | 3680 | 2431 | 3524 | 2233 | 2437 |
| 33 1961 Federal Report Surplus Deficit | 1558 | -93.8 | -34.9 | -182 | 637 | 263 | 1437 | 1901 | 3430 | 1945 | 1935 | 4124 | 4140 | 1073 | 1616 |
| 34 1962 Federal Report Surplus Deficit | 755 | 155 | -123 | -462 | 345 | 271 | 1180 | 1261 | 113 | 3609 | 4874 | 3516 | 2660 | 1278 | 1221 |
| 35 1963 Federal Report Surplus Deficit | 1270 | 413 | -113 | 319 | 1394 | 1755 | 2154 | 1579 | 1000 | 260 | 1578 | 2929 | 2426 | 1984 | 1433 |
| 36 1964 Federal Report Surplus Deficit | 1135 | 191 | 474 | -388 | 351 | 212 | 202 | 87.7 | 374 | 2341 | 1413 | 3245 | 4783 | 4110 | 1336 |
| 37 1965 Federal Report Surplus Deficit | 2448 | 1710 | 929 | 482 | 1068 | 2772 | 4739 | 4415 | 4156 | 1571 | 4889 | 4390 | 3332 | 2119 | 2802 |
| 38 1966 Federal Report Surplus Deficit | 2211 | 1554 | -19.3 | 35.7 | 559 | 490 | 874 | 900 | 520 | 3673 | 2194 | 1743 | 2256 | 2123 | 1190 |
| 39 1967 Federal Report Surplus Deficit | 1586 | 51.7 | -8.17 | -405 | 86.1 | 912 | 2987 | 2747 | 2720 | 1246 | -156 | 2957 | 4419 | 3619 | 1779 |
| 40 1968 Federal Report Surplus Deficit | 1657 | 1048 | 380 | -79.3 | 821 | 512 | 1541 | 2284 | 2485 | 99.2 | 953 | 1535 | 3575 | 2549 | 1450 |
| 41 1969 Federal Report Surplus Deficit | 1857 | 1025 | 1361 | 582 | 1869 | 1345 | 3759 | 3542 | 2895 | 3504 | 4726 | 4887 | 3592 | 2213 | 2624 |
| 42 1970 Federal Report Surplus Deficit | 738 | 43.0 | 121 | -10.1 | 495 | -175 | 1497 | 1384 | 1023 | 604 | 1324 | 3157 | 4468 | 363 | 1133 |
| 43 1971 Federal Report Surplus Deficit | 706 | -51.4 | -198 | -324 | 130 | 548 | 3867 | 4593 | 3916 | 3468 | 4087 | 4821 | 4642 | 3813 | 2478 |
| 44 1972 Federal Report Surplus Deficit | 2441 | 2331 | 551 | 130 | 637 | 804 | 3537 | 4275 | 5212 | 4639 | 3391 | 4627 | 4336 | 3976 | 2867 |
| 45 1973 Federal Report Surplus Deficit | 2803 | 2506 | 702 | 71.3 | 631 | 438 | 1201 | 445 | -18.3 | -905 | 561 | 1578 | -297 | 170 | 622 |
| 46 1974 Federal Report Surplus Deficit | 382 | -248 | -289 | -381 | 236 | 1357 | 4839 | 4753 | 4985 | 4025 | 4674 | 4420 | 4442 | 4491 | 2761 |
| 47 1975 Federal Report Surplus Deficit | 2630 | 2553 | 627 | -480 | 121 | -15.4 | 1721 | 1579 | 2166 | 462 | 1329 | 3896 | 4811 | 4163 | 1844 |
| 48 1976 Federal Report Surplus Deficit | 1567 | 1113 | 748 | 711 | 2077 | 3455 | 3420 | 3489 | 3669 | 3925 | 3800 | 4932 | 3681 | 3689 | 2921 |
| 49 1977 Federal Report Surplus Deficit | 3304 | 3318 | 2864 | 120 | 198 | -578 | -209 | -283 | -620 | -1083 | 77.6 | 93.0 | -1376 | -52.4 | 251 |
| 50 1978 Federal Report Surplus Deficit | 455 | -328 | -674 | -783 | 206 | 358 | 1180 | 1394 | 1424 | 3397 | 2559 | 3728 | 1949 | 2331 | 1177 |
| 51 1979 Federal Report Surplus Deficit | 1075 | 356 | 1064 | 147 | 522 | -418 | -330 | 816 | 1309 | 301 | 1761 | 3450 | 1465 | -489 | 769 |
| 52 1980 Federal Report Surplus Deficit | 219 | -387 | -54.8 | -281 | 230 | -767 | 519 | -546 | -73.8 | 1198 | 3154 | 4863 | 3976 | 789 | 899 |
| 53 1981 Federal Report Surplus Deficit | 164 | -226 | 79.4 | -333 | 536 | 1745 | 3063 | 2561 | 1208 | -674 | 1501 | 2981 | 4597 | 3326 | 1674 |
| 54 1982 Federal Report Surplus Deficit | 2446 | 2050 | 362 | -223 | 875 | 490 | 2302 | 4559 | 4939 | 3373 | 3170 | 4500 | 4711 | 4577 | 2706 |

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 55 1983 Federal Report Surplus Deficit | 2480 | 2309 | 1294 | 625 | 927 | 976 | 2791 | 2955 | 4147 | 2453 | 2378 | 3616 | 3602 | 3620 | 2447 |
| 56 1984 Federal Report Surplus Deficit | 2189 | 1756 | 681 | -42.4 | 2328 | 1267 | 2253 | 2457 | 2670 | 3854 | 4381 | 3859 | 4671 | 3015 | 2431 |
| 57 1985 Federal Report Surplus Deficit | 1850 | 547 | 679 | 10.7 | 920 | 425 | 727 | 651 | 701 | 2057 | 3273 | 3260 | 1230 | 238 | 1057 |
| 58 1986 Federal Report Surplus Deficit | -366 | -655 | -263 | 302 | 1215 | 603 | 1646 | 2648 | 4714 | 3874 | 4444 | 2780 | 3159 | 1093 | 1785 |
| 59 1987 Federal Report Surplus Deficit | 795 | -246 | -203 | -424 | 716 | 503 | -23.1 | 32.7 | 1001 | -369 | 1312 | 2500 | 1550 | 94.6 | 543 |
| 60 1988 Federal Report Surplus Deficit | 123 | -550 | -468 | -447 | 82.1 | -820 | -1157 | -1382 | 29.1 | -394 | 1165 | 1520 | -116 | 863 | -136 |
| 61 1989 Federal Report Surplus Deficit | 550 | -200 | -192 | -468 | 414 | 53.7 | -802 | -1309 | 1109 | 1553 | 4851 | 2889 | 1523 | 440 | 594 |
| 62 1990 Federal Report Surplus Deficit | 237 | -309 | -210 | -265 | 569 | 866 | 1219 | 2381 | 2507 | 1285 | 4298 | 2513 | 3405 | 1877 | 1458 |
| 63 1991 Federal Report Surplus Deficit | 1847 | 1148 | -75.2 | -477 | 2104 | 1484 | 2787 | 2299 | 2567 | 2284 | 2065 | 3077 | 3279 | 3682 | 2032 |
| 64 1992 Federal Report Surplus Deficit | 2545 | 1311 | -38.7 | -449 | 181 | -724 | -279 | 461 | 953 | -929 | 541 | 1472 | -341 | 22.9 | 250 |
| 65 1993 Federal Report Surplus Deficit | 359 | -323 | -671 | -473 | 259 | -469 | -1479 | -1477 | 477 | 558 | 1737 | 3331 | 2517 | 657 | 328 |
| 66 1994 Federal Report Surplus Deficit | 595 | 42.1 | 50.1 | -303 | 423 | -284 | -1034 | -772 | 230 | -571 | 1116 | 1622 | 1179 | 426 | 181 |
| 67 1995 Federal Report Surplus Deficit | 447 | -280 | -142 | -401 | -113 | -237 | 344 | 811 | 1259 | 2167 | 1647 | 3025 | 3969 | 1586 | 1004 |
| 68 1996 Federal Report Surplus Deficit | 497 | 56.8 | 371 | 539 | 2902 | 4313 | 4559 | 4655 | 5348 | 3592 | 5084 | 4612 | 3814 | 3790 | 3286 |
| 69 1997 Federal Report Surplus Deficit | 2289 | 1306 | 351 | -170 | 811 | 1435 | 4761 | 5029 | 5174 | 3895 | 4942 | 4688 | 4419 | 4018 | 3049 |
| 70 1998 Federal Report Surplus Deficit | 2322 | 2346 | 1255 | 1928 | 1736 | 402 | 645 | 1580 | 1009 | 1074 | 2318 | 4857 | 4639 | 1804 | 1990 |
| 71 1999 Federal Report Surplus Deficit | 1861 | 502 | 30.8 | -328 | 66.6 | 1238 | 3563 | 3633 | 4080 | 2215 | 3678 | 3401 | 4502 | 4041 | 2355 |
| 72 2000 Federal Report Surplus Deficit | 3216 | 2406 | 740 | -175 | 2455 | 1820 | 1629 | 1517 | 2040 | 3294 | 4686 | 3683 | 979 | 1655 | 1930 |
| 73 2001 Federal Report Surplus Deficit | 1460 | -371 | -387 | -250 | 100 | -528 | -491 | -513 | -330 | -850 | 173 | 915 | -1607 | -117 | -247 |
| 74 2002 Federal Report Surplus Deficit | 419 | -234 | -645 | -867 | 76.6 | -119 | -769 | -513 | 378 | 1130 | 3707 | 2617 | 4145 | 3048 | 824 |
| 75 2003 Federal Report Surplus Deficit | 735 | 443 | -73.4 | -225 | 322 | -494 | -912 | -707 | 1674 | 1082 | 2013 | 2575 | 3823 | 247 | 700 |
| 76 2004 Federal Report Surplus Deficit | 89.4 | -459 | -514 | -370 | 814 | 521 | -235 | -908 | 518 | 564 | 1491 | 2383 | 1694 | 754 | 466 |
| 77 2005 Federal Report Surplus Deficit | 28.4 | -53.8 | 425 | 97.4 | 544 | 682 | 628 | 1241 | 164 | -363 | 1157 | 2782 | 1848 | 582 | 777 |
| 78 2006 Federal Report Surplus Deficit | 676 | -134 | -171 | -456 | 726 | 416 | 2343 | 2050 | 2122 | 3668 | 4699 | 4500 | 3999 | 1424 | 1776 |
| 79 2007 Federal Report Surplus Deficit | 415 | -299 | -419 | -588 | 797 | 505 | 1644 | 949 | 2818 | 2634 | 1878 | 3168 | 1923 | 1867 | 1251 |
| 80 2008 Federal Report Surplus Deficit | 414 | -425 | -556 | -306 | 710 | -252 | -122 | -121 | 626 | 713 | -27.6 | 3906 | 4947 | 2250 | 955 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 646 | -96.6 | -220 | -341 | 199 | -581 | -1018 | -804 | -239 | -447 | 332 | 1155 | -331 | 84.3 | -153 |
| 82 Middle 80 pct | 1215 | 544 | 199 | -103 | 674 | 492 | 1172 | 1280 | 1738 | 1726 | 2630 | 3330 | 3138 | 1946 | 1409 |
| 83 Top 10 pct | 1827 | 1196 | 416 | 253 | 1458 | 2420 | 4234 | 4312 | 4637 | 3597 | 4456 | 4605 | 3931 | 3612 | 2944 |

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 814 | 748 | -91.4 | -354 | 127 | -641 | -688 | -415 | -347 | -657 | 809 | 1511 | 1811 | -882 | 72.2 |
| 2 1930 Federal Report Surplus Deficit | 370 | -248 | -133 | -229 | 243 | -631 | -1274 | -386 | -339 | 228 | 1057 | 1141 | 215 | 440 | -22.6 |
| 3 1931 Federal Report Surplus Deficit | 555 | -164 | -261 | -281 | 327 | -506 | -1630 | -1112 | 285 | 185 | -1012 | 1917 | -180 | 729 | -72.3 |
| 4 1932 Federal Report Surplus Deficit | 714 | -172 | -255 | -569 | -98.6 | -546 | -1359 | -1656 | 1102 | 3252 | 4264 | 5089 | 4503 | 1679 | 996 |
| 5 1933 Federal Report Surplus Deficit | 916 | 572 | 231 | -294 | 69.9 | 795 | 1832 | 2114 | 1882 | 1235 | 1718 | 3425 | 5501 | 3863 | 1801 |
| 6 1934 Federal Report Surplus Deficit | 2410 | 1674 | 286 | 300 | 2579 | 3731 | 4331 | 4280 | 4153 | 4262 | 4204 | 3935 | 3037 | 835 | 2806 |
| 7 1935 Federal Report Surplus Deficit | -74.9 | -391 | -539 | -332 | -398 | -268 | 1743 | 1527 | 1983 | -116 | 1960 | 2898 | 2445 | 2159 | 993 |
| 8 1936 Federal Report Surplus Deficit | 1814 | -55.5 | -281 | -378 | 101 | -641 | -1518 | -479 | -46.8 | 340 | 3499 | 4847 | 4065 | 814 | 770 |
| 9 1937 Federal Report Surplus Deficit | 241 | -326 | -371 | -267 | 333 | -563 | -1446 | -968 | -414 | -351 | -595 | 2274 | 1135 | -110 | -74.5 |
| 10 1938 Federal Report Surplus Deficit | 416 | -338 | -197 | -313 | 221 | -132 | 1428 | 1492 | 2228 | 2756 | 4903 | 4651 | 3667 | 1855 | 1560 |
| 11 1939 Federal Report Surplus Deficit | -60.7 | -458 | 38.9 | -278 | 1.50 | -726 | 353 | 244 | 386 | 1429 | 2938 | 3197 | 1070 | 658 | 571 |
| 12 1940 Federal Report Surplus Deficit | 216 | -427 | -333 | -200 | 554 | 428 | -238 | 231 | 2441 | 1525 | 2274 | 2962 | 1539 | 317 | 792 |
| 13 1941 Federal Report Surplus Deficit | 108 | -555 | -282 | -458 | 312 | -170 | -904 | -466 | -174 | -768 | 456 | 2268 | 1266 | 517 | 128 |
| 14 1942 Federal Report Surplus Deficit | 586 | -181 | 48.9 | -546 | 697 | 1286 | 993 | 734 | 318 | 286 | 2004 | 2782 | 2965 | 3001 | 1136 |
| 15 1943 Federal Report Surplus Deficit | 1016 | 601 | 410 | -235 | -161 | 89.6 | 2086 | 1820 | 2367 | 4541 | 4984 | 3900 | 5441 | 3662 | 2074 |
| 16 1944 Federal Report Surplus Deficit | 1157 | 349 | -116 | -354 | 186 | -670 | -390 | -338 | -524 | -726 | 589 | 969 | -412 | -210 | -97.6 |
| 17 1945 Federal Report Surplus Deficit | 327 | -301 | -298 | -449 | 216 | -532 | -1390 | -790 | -302 | -606 | -720 | 3567 | 3888 | -346 | 242 |
| 18 1946 Federal Report Surplus Deficit | 107 | -287 | -247 | -401 | 250 | 316 | 1002 | 1230 | 1794 | 3280 | 4956 | 4727 | 3557 | 2510 | 1561 |
| 19 1947 Federal Report Surplus Deficit | 1679 | 1327 | 269 | -405 | 778 | 2535 | 3216 | 2659 | 2894 | 2194 | 2625 | 4538 | 3789 | 2405 | 2217 |
| 20 1948 Federal Report Surplus Deficit | 965 | 57.4 | 185 | 1759 | 1881 | 1262 | 2900 | 1947 | 2107 | 1725 | 3820 | 5473 | 5274 | 3167 | 2437 |
| 21 1949 Federal Report Surplus Deficit | 2527 | 2033 | 620 | -62.6 | 486 | 136 | 869 | 484 | 3261 | 2220 | 4304 | 5168 | 3709 | -89.8 | 1679 |
| 22 1950 Federal Report Surplus Deficit | -115 | -709 | -824 | -432 | -7.45 | 392 | 2547 | 3456 | 3021 | 3554 | 3432 | 4014 | 5290 | 4450 | 2075 |
| 23 1951 Federal Report Surplus Deficit | 2463 | 1967 | 498 | 585 | 2167 | 2646 | 4148 | 4267 | 4784 | 3924 | 4031 | 4683 | 3701 | 3464 | 3093 |
| 24 1952 Federal Report Surplus Deficit | 1770 | 277 | 200 | 1292 | 1260 | 1358 | 2324 | 2213 | 2484 | 3586 | 5220 | 5521 | 4016 | 2087 | 2346 |
| 25 1953 Federal Report Surplus Deficit | 1181 | -135 | -457 | -332 | 160 | -596 | -515 | 3001 | 1147 | 467 | 1607 | 3685 | 5544 | 3780 | 1402 |
| 26 1954 Federal Report Surplus Deficit | 743 | 693 | 281 | -121 | 774 | 786 | 1831 | 3192 | 2791 | 1923 | 2643 | 4571 | 4666 | 4420 | 2179 |
| 27 1955 Federal Report Surplus Deficit | 3062 | 2804 | 2014 | -12.9 | 1339 | 753 | -154 | 575 | -690 | 117 | 1223 | 3166 | 5496 | 4279 | 1696 |
| 28 1956 Federal Report Surplus Deficit | 2411 | 1215 | 51.6 | 161 | 1804 | 2614 | 3868 | 4049 | 3999 | 3262 | 4798 | 5392 | 5179 | 3554 | 3038 |
| 29 1957 Federal Report Surplus Deficit | 1830 | 1603 | 305 | 98.7 | 435 | 951 | 1220 | 157 | 2457 | 3143 | 2435 | 5806 | 5519 | 1417 | 1911 |
| 30 1958 Federal Report Surplus Deficit | 741 | 36.4 | -133 | -282 | 320 | 26.6 | 1487 | 1678 | 1922 | 1382 | 3122 | 5206 | 4856 | 1095 | 1563 |
| 31 1959 Federal Report Surplus Deficit | 858 | -86.1 | -144 | -127 | 1302 | 2073 | 3428 | 3202 | 3192 | 2802 | 2436 | 3927 | 4936 | 3973 | 2394 |
| 32 1960 Federal Report Surplus Deficit | 2473 | 1924 | 2390 | 2429 | 2659 | 1898 | 1738 | 1481 | 2053 | 5055 | 3701 | 2972 | 4272 | 2326 | 2562 |
| 33 1961 Federal Report Surplus Deficit | 1501 | -151 | -92.7 | -167 | 657 | 282 | 1465 | 2042 | 3447 | 1987 | 1934 | 4615 | 4871 | 1165 | 1738 |
| 34 1962 Federal Report Surplus Deficit | 698 | 97.4 | -181 | -447 | 364 | 290 | 1207 | 1402 | 130 | 3646 | 4867 | 4037 | 3444 | 1370 | 1348 |
| 35 1963 Federal Report Surplus Deficit | 1213 | 356 | -171 | 334 | 1413 | 1774 | 2182 | 1720 | 1017 | 301 | 1575 | 3473 | 3215 | 2077 | 1563 |
| 36 1964 Federal Report Surplus Deficit | 1078 | 134 | 416 | -374 | 371 | 231 | 230 | 229 | 391 | 2382 | 1411 | 3773 | 5320 | 4201 | 1440 |
| 37 1965 Federal Report Surplus Deficit | 2390 | 1652 | 871 | 497 | 1088 | 2791 | 4766 | 4556 | 4171 | 1610 | 4886 | 4905 | 4090 | 2211 | 2931 |
| 38 1966 Federal Report Surplus Deficit | 2154 | 1497 | -77.1 | 50.5 | 579 | 510 | 902 | 1041 | 537 | 3713 | 2191 | 2287 | 3046 | 2216 | 1320 |
| 39 1967 Federal Report Surplus Deficit | 1528 | -5.72 | -66.0 | -391 | 106 | 931 | 3015 | 2889 | 2737 | 1286 | -158 | 3481 | 4971 | 3702 | 1889 |
| 40 1968 Federal Report Surplus Deficit | 1600 | 991 | 322 | -64.5 | 841 | 531 | 1569 | 2425 | 2502 | 140 | 950 | 2085 | 4311 | 2641 | 1579 |
| 41 1969 Federal Report Surplus Deficit | 1800 | 967 | 1303 | 597 | 1889 | 1364 | 3787 | 3683 | 2912 | 3533 | 4711 | 5433 | 4307 | 2306 | 2749 |
| 42 1970 Federal Report Surplus Deficit | 681 | -14.4 | 63.0 | 4.72 | 515 | -156 | 1524 | 1526 | 1040 | 644 | 1322 | 3692 | 5262 | 455 | 1263 |
| 43 1971 Federal Report Surplus Deficit | 649 | -109 | -256 | -309 | 150 | 567 | 3895 | 4734 | 3929 | 3487 | 4063 | 5294 | 5176 | 3911 | 2586 |
| 44 1972 Federal Report Surplus Deficit | 2384 | 2273 | 493 | 145 | 657 | 823 | 3564 | 4417 | 5192 | 4661 | 3371 | 5061 | 4971 | 4066 | 2974 |
| 45 1973 Federal Report Surplus Deficit | 2746 | 2448 | 644 | 86.2 | 651 | 457 | 1229 | 586 | -1.42 | -864 | 559 | 2122 | 497 | 263 | 752 |
| 46 1974 Federal Report Surplus Deficit | 325 | -305 | -346 | -366 | 256 | 1377 | 4867 | 4895 | 5013 | 4074 | 4681 | 4966 | 5105 | 4604 | 2890 |
| 47 1975 Federal Report Surplus Deficit | 2573 | 2496 | 569 | -465 | 140 | 3.74 | 1749 | 1720 | 2183 | 502 | 1326 | 4427 | 5531 | 4211 | 1963 |
| 48 1976 Federal Report Surplus Deficit | 1510 | 1055 | 690 | 725 | 2097 | 3474 | 3448 | 3630 | 3687 | 3972 | 3804 | 5477 | 4391 | 3795 | 3048 |
| 49 1977 Federal Report Surplus Deficit | 3246 | 3261 | 2806 | 135 | 218 | -559 | -181 | -141 | -604 | -1042 | 74.8 | 638 | -583 | 40.0 | 380 |
| 50 1978 Federal Report Surplus Deficit | 397 | -385 | -731 | -768 | 226 | 377 | 1208 | 1536 | 1441 | 3435 | 2553 | 4204 | 2742 | 2424 | 1302 |
| 51 1979 Federal Report Surplus Deficit | 1018 | 299 | 1006 | 162 | 541 | -399 | -302 | 958 | 1325 | 342 | 1758 | 4008 | 2259 | -396 | 901 |
| 52 1980 Federal Report Surplus Deficit | 161 | -445 | -113 | -266 | 250 | -748 | 547 | -404 | -57.0 | 1238 | 3152 | 5283 | 4647 | 881 | 1005 |
| 53 1981 Federal Report Surplus Deficit | 107 | -283 | 21.6 | -318 | 556 | 1764 | 3091 | 2703 | 1225 | -633 | 1498 | 3521 | 5287 | 3422 | 1798 |
| 54 1982 Federal Report Surplus Deficit | 2388 | 1992 | 304 | -208 | 895 | 509 | 2330 | 4701 | 4923 | 3396 | 3150 | 4955 | 5458 | 4655 | 2825 |

Federal Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|------|-------|-------|------|------|-------|------|------|-------|-------|
| 55 1983 Federal Report Surplus Deficit | 2422 | 2252 | 1236 | 640 | 947 | 996 | 2819 | 3096 | 4165 | 2490 | 2372 | 4158 | 4316 | 3696 | 2570 |
| 56 1984 Federal Report Surplus Deficit | 2132 | 1699 | 623 | -27.5 | 2348 | 1286 | 2280 | 2599 | 2687 | 3890 | 4373 | 4425 | 5451 | 3110 | 2562 |
| 57 1985 Federal Report Surplus Deficit | 1792 | 490 | 621 | 25.6 | 940 | 444 | 755 | 793 | 718 | 2100 | 3272 | 3823 | 2024 | 331 | 1188 |
| 58 1986 Federal Report Surplus Deficit | -423 | -713 | -320 | 317 | 1235 | 622 | 1674 | 2790 | 4726 | 3914 | 4425 | 3314 | 3920 | 1186 | 1913 |
| 59 1987 Federal Report Surplus Deficit | 738 | -304 | -261 | -410 | 736 | 522 | 4.73 | 174 | 1018 | -329 | 1309 | 3047 | 2344 | 187 | 672 |
| 60 1988 Federal Report Surplus Deficit | 65.2 | -607 | -526 | -432 | 102 | -801 | -1129 | -1241 | 46.0 | -353 | 1163 | 2066 | 678 | 955 | -8.46 |
| 61 1989 Federal Report Surplus Deficit | 492 | -257 | -250 | -453 | 434 | 72.9 | -774 | -1167 | 1126 | 1594 | 4849 | 3445 | 2317 | 533 | 720 |
| 62 1990 Federal Report Surplus Deficit | 180 | -367 | -267 | -250 | 589 | 885 | 1247 | 2522 | 2524 | 1324 | 4293 | 3061 | 4174 | 1971 | 1589 |
| 63 1991 Federal Report Surplus Deficit | 1790 | 1090 | -133 | -462 | 2124 | 1503 | 2814 | 2440 | 2584 | 2326 | 2063 | 3620 | 4017 | 3793 | 2160 |
| 64 1992 Federal Report Surplus Deficit | 2488 | 1253 | -96.5 | -434 | 201 | -705 | -251 | 602 | 970 | -889 | 538 | 2018 | 453 | 115 | 381 |
| 65 1993 Federal Report Surplus Deficit | 302 | -380 | -729 | -458 | 279 | -450 | -1451 | -1336 | 494 | 598 | 1734 | 3886 | 3304 | 750 | 454 |
| 66 1994 Federal Report Surplus Deficit | 538 | -15.3 | -7.69 | -288 | 443 | -265 | -1006 | -631 | 247 | -530 | 1113 | 2168 | 1973 | 518 | 309 |
| 67 1995 Federal Report Surplus Deficit | 389 | -337 | -200 | -387 | -93.5 | -218 | 372 | 1084 | 1148 | 2207 | 1644 | 3571 | 4720 | 1678 | 1130 |
| 68 1996 Federal Report Surplus Deficit | 439 | -0.54 | 313 | 554 | 2922 | 4332 | 4587 | 4796 | 5320 | 3607 | 5055 | 5033 | 4541 | 3883 | 3398 |
| 69 1997 Federal Report Surplus Deficit | 2232 | 1248 | 293 | -155 | 831 | 1454 | 4789 | 5170 | 5171 | 3898 | 4940 | 5158 | 5167 | 4104 | 3171 |
| 70 1998 Federal Report Surplus Deficit | 2265 | 2289 | 1197 | 1943 | 1756 | 421 | 672 | 1722 | 1025 | 1115 | 2316 | 5402 | 5204 | 1897 | 2101 |
| 71 1999 Federal Report Surplus Deficit | 1803 | 444 | -27.0 | -313 | 86.5 | 1257 | 3518 | 3868 | 4097 | 2253 | 3673 | 3962 | 5240 | 4142 | 2488 |
| 72 2000 Federal Report Surplus Deficit | 3159 | 2348 | 682 | -160 | 2475 | 1839 | 1657 | 1659 | 2057 | 3339 | 4689 | 4208 | 1772 | 1747 | 2058 |
| 73 2001 Federal Report Surplus Deficit | 1402 | -429 | -445 | -235 | 120 | -509 | -463 | -372 | -313 | -810 | 170 | 1460 | -814 | -24.1 | -117 |
| 74 2002 Federal Report Surplus Deficit | 362 | -291 | -703 | -852 | 96.6 | -100 | -741 | -372 | 395 | 1170 | 3704 | 3158 | 4856 | 3140 | 944 |
| 75 2003 Federal Report Surplus Deficit | 678 | 385 | -131 | -210 | 342 | -475 | -884 | -566 | 1691 | 1123 | 2010 | 3114 | 4532 | 340 | 820 |
| 76 2004 Federal Report Surplus Deficit | 32.0 | -517 | -572 | -355 | 834 | 540 | -207 | -767 | 535 | 605 | 1488 | 2933 | 2488 | 846 | 593 |
| 77 2005 Federal Report Surplus Deficit | -29.0 | -111 | 368 | 112 | 564 | 701 | 656 | 1382 | 181 | -322 | 1155 | 3321 | 2641 | 675 | 909 |
| 78 2006 Federal Report Surplus Deficit | 619 | -191 | -229 | -441 | 746 | 435 | 2371 | 2192 | 2139 | 3709 | 4696 | 5045 | 4709 | 1516 | 1900 |
| 79 2007 Federal Report Surplus Deficit | 358 | -356 | -477 | -573 | 817 | 524 | 1672 | 1090 | 2834 | 2674 | 1876 | 3700 | 2714 | 1960 | 1379 |
| 80 2008 Federal Report Surplus Deficit | 357 | -483 | -614 | -291 | 730 | -233 | -93.9 | 20.8 | 642 | 754 | -30.3 | 4411 | 5592 | 2343 | 1067 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 81 Bottom 10 pct | 589 | -154 | -278 | -326 | 219 | -561 | -991 | -662 | -223 | -407 | 330 | 1701 | 462 | 177 | -24.1 |
| 82 Middle 80 pct | 1158 | 486 | 141 | -87.9 | 694 | 511 | 1198 | 1427 | 1750 | 1765 | 2626 | 3862 | 3868 | 2036 | 1532 |
| 83 Top 10 pct | 1769 | 1138 | 358 | 268 | 1478 | 2439 | 4255 | 4472 | 4667 | 3626 | 4446 | 5084 | 4643 | 3710 | 3068 |

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 827 | 761 | -78.0 | -402 | 67.3 | -708 | -755 | -596 | -404 | -707 | 759 | 932 | 980 | -1008 | -95.7 |
| 2 1930 Federal Report Surplus Deficit | 383 | -236 | -120 | -277 | 184 | -698 | -1341 | -568 | -397 | 178 | 1007 | 561 | -617 | 315 | -191 |
| 3 1931 Federal Report Surplus Deficit | 568 | -151 | -248 | -329 | 267 | -573 | -1697 | -1294 | 228 | 135 | -1063 | 1337 | -1012 | 604 | -239 |
| 4 1932 Federal Report Surplus Deficit | 727 | -159 | -242 | -617 | -158 | -612 | -1426 | -1838 | 1045 | 3197 | 4209 | 4513 | 3780 | 1553 | 842 |
| 5 1933 Federal Report Surplus Deficit | 929 | 585 | 245 | -342 | 10.0 | 728 | 1765 | 1799 | 1961 | 1184 | 1668 | 2850 | 4919 | 3738 | 1653 |
| 6 1934 Federal Report Surplus Deficit | 2423 | 1686 | 299 | 252 | 2519 | 3664 | 4264 | 4098 | 4092 | 4226 | 4167 | 3380 | 2205 | 709 | 2635 |
| 7 1935 Federal Report Surplus Deficit | -62.1 | -379 | -525 | -380 | -458 | -334 | 1676 | 1346 | 1926 | -166 | 1909 | 2318 | 1615 | 2033 | 822 |
| 8 1936 Federal Report Surplus Deficit | 1827 | -42.7 | -267 | -426 | 41.1 | -708 | -1585 | -661 | -104 | 290 | 3448 | 4282 | 3285 | 688 | 610 |
| 9 1937 Federal Report Surplus Deficit | 254 | -313 | -357 | -315 | 273 | -630 | -1513 | -1149 | -471 | -401 | -645 | 1693 | 304 | -236 | -241 |
| 10 1938 Federal Report Surplus Deficit | 429 | -325 | -184 | -361 | 161 | -199 | 1360 | 1310 | 2171 | 2713 | 4859 | 4035 | 2835 | 1729 | 1388 |
| 11 1939 Federal Report Surplus Deficit | -47.9 | -446 | 52.4 | -325 | -58.4 | -793 | 286 | 62.1 | 328 | 1379 | 2888 | 2627 | 239 | 532 | 403 |
| 12 1940 Federal Report Surplus Deficit | 229 | -415 | -319 | -248 | 494 | 362 | -306 | 49.3 | 2384 | 1475 | 2224 | 2387 | 707 | 192 | 624 |
| 13 1941 Federal Report Surplus Deficit | 121 | -543 | -269 | -506 | 252 | -237 | -971 | -647 | -232 | -818 | 406 | 1690 | 434 | 391 | -39.6 |
| 14 1942 Federal Report Surplus Deficit | 599 | -168 | 62.4 | -594 | 637 | 1219 | 926 | 552 | 261 | 236 | 1953 | 2203 | 2136 | 2876 | 968 |
| 15 1943 Federal Report Surplus Deficit | 1029 | 614 | 423 | -283 | -221 | 23.0 | 2019 | 1638 | 2310 | 4533 | 4933 | 3368 | 4785 | 3534 | 1925 |
| 16 1944 Federal Report Surplus Deficit | 1170 | 362 | -103 | -402 | 126 | -737 | -457 | -520 | -581 | -776 | 539 | 390 | -1244 | -335 | -266 |
| 17 1945 Federal Report Surplus Deficit | 340 | -289 | -285 | -497 | 156 | -599 | -1457 | -972 | -359 | -657 | -770 | 2996 | 3096 | -471 | 79.2 |
| 18 1946 Federal Report Surplus Deficit | 120 | -274 | -233 | -449 | 190 | 249 | 935 | 1048 | 1737 | 3245 | 4921 | 4161 | 2738 | 2385 | 1396 |
| 19 1947 Federal Report Surplus Deficit | 1692 | 1340 | 282 | -453 | 718 | 2468 | 3148 | 2478 | 2837 | 2144 | 2576 | 4006 | 2979 | 2280 | 2053 |
| 20 1948 Federal Report Surplus Deficit | 978 | 70.2 | 199 | 1712 | 1821 | 1195 | 2833 | 1766 | 2050 | 1675 | 3768 | 4929 | 4621 | 3044 | 2287 |
| 21 1949 Federal Report Surplus Deficit | 2540 | 2046 | 634 | -110 | 426 | 69.0 | 802 | 302 | 3205 | 2172 | 4256 | 4589 | 2917 | -215 | 1516 |
| 22 1950 Federal Report Surplus Deficit | -102 | -696 | -811 | -480 | -67.4 | 325 | 2480 | 3274 | 2964 | 3506 | 3383 | 3452 | 4628 | 4332 | 1918 |
| 23 1951 Federal Report Surplus Deficit | 2476 | 1980 | 511 | 537 | 2107 | 2580 | 4134 | 3936 | 4524 | 3874 | 3981 | 4237 | 2879 | 3334 | 2908 |
| 24 1952 Federal Report Surplus Deficit | 1783 | 290 | 213 | 1245 | 1200 | 1292 | 2257 | 2032 | 2426 | 3527 | 5161 | 5021 | 3228 | 1962 | 2186 |
| 25 1953 Federal Report Surplus Deficit | 1194 | -122 | -444 | -380 | 100 | -663 | -582 | 2819 | 1089 | 416 | 1557 | 3123 | 4962 | 3654 | 1251 |
| 26 1954 Federal Report Surplus Deficit | 755 | 705 | 295 | -168 | 714 | 720 | 1764 | 3010 | 2734 | 1874 | 2594 | 4036 | 3892 | 4311 | 2017 |
| 27 1955 Federal Report Surplus Deficit | 3075 | 2817 | 2028 | -60.6 | 1279 | 686 | -221 | 393 | -747 | 66.4 | 1173 | 2598 | 4753 | 4197 | 1542 |
| 28 1956 Federal Report Surplus Deficit | 2424 | 1228 | 65.1 | 113 | 1745 | 2547 | 3801 | 3867 | 3945 | 3240 | 4776 | 4869 | 4470 | 3417 | 2883 |
| 29 1957 Federal Report Surplus Deficit | 1843 | 1616 | 319 | 51.0 | 375 | 884 | 1153 | -24.6 | 2399 | 3094 | 2385 | 5269 | 4802 | 1291 | 1760 |
| 30 1958 Federal Report Surplus Deficit | 753 | 49.2 | -119 | -330 | 260 | -40.0 | 1420 | 1497 | 1864 | 1332 | 3072 | 4627 | 4076 | 970 | 1398 |
| 31 1959 Federal Report Surplus Deficit | 871 | -73.3 | -130 | -174 | 1242 | 2006 | 3361 | 3021 | 3134 | 2752 | 2386 | 3358 | 4217 | 3856 | 2233 |
| 32 1960 Federal Report Surplus Deficit | 2486 | 1937 | 2403 | 2381 | 2599 | 1832 | 1671 | 1300 | 1996 | 4981 | 3627 | 2397 | 3486 | 2200 | 2398 |
| 33 1961 Federal Report Surplus Deficit | 1514 | -138 | -79.2 | -215 | 597 | 216 | 1398 | 1861 | 3390 | 1935 | 1882 | 4091 | 4102 | 1040 | 1578 |
| 34 1962 Federal Report Surplus Deficit | 710 | 110 | -167 | -495 | 305 | 223 | 1140 | 1220 | 72.6 | 3599 | 4821 | 3483 | 2622 | 1245 | 1182 |
| 35 1963 Federal Report Surplus Deficit | 1226 | 368 | -158 | 286 | 1354 | 1708 | 2115 | 1538 | 960 | 251 | 1525 | 2895 | 2388 | 1951 | 1394 |
| 36 1964 Federal Report Surplus Deficit | 1090 | 147 | 429 | -421 | 311 | 165 | 163 | 47.5 | 334 | 2332 | 1360 | 3211 | 4745 | 4077 | 1297 |
| 37 1965 Federal Report Surplus Deficit | 2403 | 1665 | 884 | 449 | 1028 | 2724 | 4699 | 4374 | 4116 | 1561 | 4836 | 4356 | 3294 | 2086 | 2763 |
| 38 1966 Federal Report Surplus Deficit | 2167 | 1509 | -63.6 | 2.86 | 519 | 443 | 835 | 859 | 480 | 3663 | 2141 | 1709 | 2218 | 2090 | 1152 |
| 39 1967 Federal Report Surplus Deficit | 1541 | 7.09 | -52.5 | -438 | 46.1 | 865 | 2948 | 2707 | 2680 | 1236 | -209 | 2924 | 4381 | 3586 | 1740 |
| 40 1968 Federal Report Surplus Deficit | 1612 | 1004 | 335 | -112 | 781 | 464 | 1502 | 2243 | 2445 | 89.4 | 900 | 1501 | 3537 | 2516 | 1411 |
| 41 1969 Federal Report Surplus Deficit | 1813 | 980 | 1317 | 549 | 1829 | 1298 | 3720 | 3501 | 2855 | 3495 | 4673 | 4853 | 3554 | 2180 | 2585 |
| 42 1970 Federal Report Surplus Deficit | 694 | -1.62 | 76.5 | -43.0 | 455 | -223 | 1457 | 1344 | 983 | 594 | 1271 | 3123 | 4430 | 330 | 1094 |
| 43 1971 Federal Report Surplus Deficit | 661 | -96.0 | -243 | -356 | 89.8 | 501 | 3828 | 4552 | 3875 | 3458 | 4034 | 4788 | 4604 | 3780 | 2440 |
| 44 1972 Federal Report Surplus Deficit | 2397 | 2286 | 507 | 97.2 | 597 | 756 | 3497 | 4235 | 5172 | 4629 | 3338 | 4594 | 4298 | 3943 | 2828 |
| 45 1973 Federal Report Surplus Deficit | 2759 | 2461 | 658 | 38.5 | 591 | 391 | 1162 | 404 | -58.7 | -915 | 508 | 1544 | -335 | 137 | 584 |
| 46 1974 Federal Report Surplus Deficit | 338 | -292 | -333 | -414 | 196 | 1310 | 4800 | 4713 | 4944 | 4015 | 4621 | 4387 | 4404 | 4458 | 2723 |
| 47 1975 Federal Report Surplus Deficit | 2586 | 2509 | 582 | -512 | 80.5 | -62.8 | 1682 | 1538 | 2125 | 452 | 1276 | 3862 | 4773 | 4130 | 1805 |
| 48 1976 Federal Report Surplus Deficit | 1523 | 1068 | 704 | 678 | 2037 | 3407 | 3381 | 3448 | 3628 | 3915 | 3747 | 4898 | 3643 | 3656 | 2882 |
| 49 1977 Federal Report Surplus Deficit | 3259 | 3273 | 2819 | 87.4 | 158 | -626 | -248 | -323 | -661 | -1092 | 24.5 | 59.3 | -1414 | -85.4 | 212 |
| 50 1978 Federal Report Surplus Deficit | 410 | -372 | -718 | -816 | 166 | 311 | 1141 | 1354 | 1384 | 3387 | 2505 | 3694 | 1911 | 2298 | 1139 |
| 51 1979 Federal Report Surplus Deficit | 1031 | 312 | 1020 | 114 | 482 | -466 | -369 | 776 | 1268 | 291 | 1708 | 3417 | 1427 | -522 | 731 |
| 52 1980 Federal Report Surplus Deficit | 174 | -432 | -99.1 | -314 | 190 | -814 | 480 | -586 | -114 | 1188 | 3101 | 4829 | 3938 | 756 | 860 |
| 53 1981 Federal Report Surplus Deficit | 120 | -271 | 35.0 | -365 | 496 | 1698 | 3024 | 2521 | 1167 | -683 | 1448 | 2947 | 4559 | 3293 | 1635 |
| 54 1982 Federal Report Surplus Deficit | 2401 | 2005 | 317 | -256 | 835 | 443 | 2263 | 4519 | 4898 | 3363 | 3117 | 4466 | 4673 | 4544 | 2667 |

Federal Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016 *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 55 1983 Federal Report Surplus Deficit | 2435 | 2265 | 1249 | 592 | 887 | 929 | 2752 | 2914 | 4107 | 2443 | 2325 | 3582 | 3564 | 3587 | 2408 |
| 56 1984 Federal Report Surplus Deficit | 2145 | 1712 | 637 | -75.2 | 2288 | 1219 | 2213 | 2417 | 2630 | 3845 | 4328 | 3825 | 4633 | 2982 | 2392 |
| 57 1985 Federal Report Surplus Deficit | 1805 | 502 | 635 | -22.1 | 880 | 377 | 688 | 611 | 660 | 2047 | 3220 | 3226 | 1192 | 205 | 1018 |
| 58 1986 Federal Report Surplus Deficit | -410 | -700 | -307 | 269 | 1175 | 555 | 1607 | 2608 | 4674 | 3864 | 4391 | 2746 | 3121 | 1060 | 1746 |
| 59 1987 Federal Report Surplus Deficit | 751 | -291 | -248 | -457 | 676 | 455 | -62.3 | -7.59 | 960 | -379 | 1259 | 2467 | 1512 | 61.6 | 504 |
| 60 1988 Federal Report Surplus Deficit | 78.0 | -595 | -512 | -479 | 42.1 | -868 | -1197 | -1422 | -11.3 | -404 | 1112 | 1487 | -154 | 830 | -174 |
| 61 1989 Federal Report Surplus Deficit | 505 | -244 | -236 | -501 | 374 | 6.28 | -841 | -1349 | 1068 | 1543 | 4798 | 2855 | 1485 | 407 | 555 |
| 62 1990 Federal Report Surplus Deficit | 192 | -354 | -254 | -298 | 529 | 819 | 1180 | 2341 | 2467 | 1275 | 4244 | 2479 | 3367 | 1844 | 1419 |
| 63 1991 Federal Report Surplus Deficit | 1803 | 1103 | -120 | -510 | 2064 | 1436 | 2747 | 2259 | 2527 | 2274 | 2012 | 3043 | 3241 | 3649 | 1993 |
| 64 1992 Federal Report Surplus Deficit | 2501 | 1266 | -83.0 | -482 | 141 | -772 | -318 | 420 | 912 | -939 | 488 | 1439 | -379 | -10.1 | 211 |
| 65 1993 Federal Report Surplus Deficit | 315 | -367 | -715 | -505 | 219 | -517 | -1518 | -1517 | 436 | 548 | 1684 | 3298 | 2479 | 624 | 289 |
| 66 1994 Federal Report Surplus Deficit | 551 | -2.51 | 5.80 | -336 | 383 | -332 | -1073 | -812 | 190 | -580 | 1063 | 1588 | 1141 | 393 | 142 |
| 67 1995 Federal Report Surplus Deficit | 402 | -324 | -187 | -434 | -153 | -285 | 304 | 771 | 1219 | 2157 | 1594 | 2991 | 3931 | 1553 | 965 |
| 68 1996 Federal Report Surplus Deficit | 452 | 12.3 | 327 | 507 | 2862 | 4266 | 4520 | 4614 | 5307 | 3583 | 5031 | 4578 | 3776 | 3757 | 3247 |
| 69 1997 Federal Report Surplus Deficit | 2244 | 1261 | 307 | -203 | 771 | 1388 | 4722 | 4988 | 5134 | 3885 | 4889 | 4655 | 4381 | 3985 | 3010 |
| 70 1998 Federal Report Surplus Deficit | 2278 | 2301 | 1211 | 1895 | 1696 | 355 | 605 | 1540 | 968 | 1065 | 2265 | 4823 | 4601 | 1771 | 1951 |
| 71 1999 Federal Report Surplus Deficit | 1816 | 457 | -13.5 | -361 | 26.6 | 1190 | 3524 | 3592 | 4039 | 2205 | 3625 | 3368 | 4464 | 4008 | 2317 |
| 72 2000 Federal Report Surplus Deficit | 3172 | 2361 | 696 | -208 | 2415 | 1773 | 1590 | 1477 | 1999 | 3284 | 4633 | 3649 | 941 | 1622 | 1891 |
| 73 2001 Federal Report Surplus Deficit | 1415 | -416 | -432 | -283 | 60.0 | -575 | -530 | -553 | -371 | -860 | 120 | 882 | -1645 | -150 | -286 |
| 74 2002 Federal Report Surplus Deficit | 375 | -279 | -689 | -900 | 36.6 | -167 | -809 | -553 | 338 | 1120 | 3654 | 2584 | 4107 | 3015 | 786 |
| 75 2003 Federal Report Surplus Deficit | 690 | 398 | -118 | -258 | 282 | -541 | -951 | -747 | 1634 | 1073 | 1960 | 2541 | 3785 | 214 | 662 |
| 76 2004 Federal Report Surplus Deficit | 44.9 | -504 | -559 | -403 | 775 | 474 | -274 | -949 | 478 | 554 | 1437 | 2350 | 1656 | 721 | 427 |
| 77 2005 Federal Report Surplus Deficit | -16.1 | -98.4 | 381 | 64.6 | 504 | 635 | 589 | 1201 | 124 | -373 | 1104 | 2748 | 1810 | 549 | 739 |
| 78 2006 Federal Report Surplus Deficit | 631 | -178 | -216 | -489 | 686 | 368 | 2304 | 2010 | 2082 | 3658 | 4646 | 4466 | 3961 | 1391 | 1737 |
| 79 2007 Federal Report Surplus Deficit | 371 | -343 | -463 | -620 | 757 | 458 | 1605 | 909 | 2777 | 2624 | 1825 | 3135 | 1885 | 1834 | 1212 |
| 80 2008 Federal Report Surplus Deficit | 370 | -470 | -601 | -339 | 670 | -300 | -161 | -161 | 585 | 704 | -80.7 | 3872 | 4909 | 2217 | 916 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 602 | -141 | -265 | -374 | 159 | -628 | -1058 | -844 | -280 | -457 | 279 | 1122 | -369 | 51.2 | -192 |
| 82 Middle 80 pct | 1170 | 499 | 155 | -136 | 634 | 444 | 1133 | 1240 | 1698 | 1716 | 2577 | 3297 | 3100 | 1913 | 1370 |
| 83 Top 10 pct | 1782 | 1151 | 371 | 221 | 1418 | 2372 | 4194 | 4272 | 4596 | 3588 | 4403 | 4572 | 3893 | 3579 | 2906 |

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1 1929 Federal Report Surplus Deficit | 754 | 732 | -126 | -379 | 96.2 | -674 | -721 | -566 | -375 | -685 | 782 | 1484 | 1784 | -912 | 34.1 |
| 2 1930 Federal Report Surplus Deficit | 310 | -264 | -168 | -254 | 212 | -664 | -1307 | -537 | -367 | 201 | 1030 | 1114 | 188 | 411 | -61.1 |
| 3 1931 Federal Report Surplus Deficit | 494 | -180 | -296 | -307 | 296 | -539 | -1663 | -1264 | 257 | 157 | -1040 | 1890 | -207 | 700 | -109 |
| 4 1932 Federal Report Surplus Deficit | 653 | -188 | -290 | -594 | -130 | -579 | -1392 | -1807 | 1075 | 3225 | 4237 | 5062 | 4477 | 1649 | 963 |
| 5 1933 Federal Report Surplus Deficit | 856 | 556 | 197 | -320 | 38.9 | 762 | 1799 | 1963 | 1854 | 1207 | 1691 | 3398 | 5474 | 3834 | 1760 |
| 6 1934 Federal Report Surplus Deficit | 2350 | 1657 | 251 | 275 | 2548 | 3698 | 4299 | 4129 | 4125 | 4235 | 4176 | 3908 | 3010 | 805 | 2762 |
| 7 1935 Federal Report Surplus Deficit | -135 | -408 | -573 | -357 | -429 | -300 | 1710 | 1376 | 1956 | -143 | 1932 | 2871 | 2418 | 2130 | 952 |
| 8 1936 Federal Report Surplus Deficit | 1754 | -71.6 | -315 | -403 | 70.0 | -674 | -1551 | -630 | -74.6 | 313 | 3471 | 4820 | 4038 | 784 | 734 |
| 9 1937 Federal Report Surplus Deficit | 180 | -342 | -405 | -292 | 301 | -596 | -1479 | -1119 | -441 | -379 | -623 | 2247 | 1108 | -140 | -112 |
| 10 1938 Federal Report Surplus Deficit | 355 | -354 | -231 | -338 | 190 | -165 | 1395 | 1341 | 2200 | 2729 | 4875 | 4624 | 3640 | 1826 | 1520 |
| 11 1939 Federal Report Surplus Deficit | -121 | -474 | 4.53 | -303 | -29.6 | -759 | 320 | 92.4 | 358 | 1401 | 2911 | 3170 | 1044 | 628 | 532 |
| 12 1940 Federal Report Surplus Deficit | 156 | -444 | -367 | -225 | 522 | 395 | -271 | 79.6 | 2414 | 1497 | 2247 | 2935 | 1512 | 288 | 754 |
| 13 1941 Federal Report Surplus Deficit | 47.7 | -571 | -317 | -484 | 281 | -203 | -937 | -617 | -202 | -795 | 429 | 2241 | 1239 | 487 | 90.1 |
| 14 1942 Federal Report Surplus Deficit | 526 | -197 | 14.5 | -572 | 666 | 1253 | 960 | 582 | 291 | 259 | 1976 | 2755 | 2938 | 2872 | 1097 |
| 15 1943 Federal Report Surplus Deficit | 955 | 585 | 375 | -261 | -192 | 56.8 | 2053 | 1668 | 2339 | 4514 | 4956 | 3873 | 5414 | 3633 | 2035 |
| 16 1944 Federal Report Surplus Deficit | 1096 | 333 | -151 | -379 | 155 | -703 | -423 | -490 | -552 | -754 | 562 | 942 | -439 | -239 | -136 |
| 17 1945 Federal Report Surplus Deficit | 266 | -317 | -333 | -475 | 184 | -565 | -1423 | -942 | -330 | -634 | -747 | 3540 | 3861 | -375 | 205 |
| 18 1946 Federal Report Surplus Deficit | 46.7 | -303 | -281 | -427 | 219 | 283 | 969 | 1078 | 1766 | 3253 | 4929 | 4700 | 3530 | 2481 | 1522 |
| 19 1947 Federal Report Surplus Deficit | 1619 | 1311 | 234 | -430 | 746 | 2502 | 3183 | 2508 | 2867 | 2166 | 2598 | 4511 | 3762 | 2376 | 2176 |
| 20 1948 Federal Report Surplus Deficit | 904 | 41.3 | 151 | 1734 | 1850 | 1229 | 2867 | 1796 | 2079 | 1698 | 3792 | 5446 | 5247 | 3138 | 2399 |
| 21 1949 Federal Report Surplus Deficit | 2467 | 2017 | 586 | -87.8 | 455 | 103 | 836 | 332 | 3233 | 2193 | 4277 | 5141 | 3682 | -119 | 1642 |
| 22 1950 Federal Report Surplus Deficit | -175 | -725 | -858 | -457 | -38.5 | 359 | 2514 | 3305 | 2993 | 3526 | 3404 | 3987 | 5263 | 4421 | 2031 |
| 23 1951 Federal Report Surplus Deficit | 2402 | 1951 | 464 | 560 | 2136 | 2613 | 4115 | 4116 | 4756 | 3896 | 4004 | 4656 | 3674 | 3434 | 3050 |
| 24 1952 Federal Report Surplus Deficit | 1710 | 261 | 165 | 1267 | 1229 | 1326 | 2291 | 2062 | 2456 | 3558 | 5192 | 5494 | 3989 | 2058 | 2307 |
| 25 1953 Federal Report Surplus Deficit | 1120 | -151 | -492 | -357 | 129 | -629 | -548 | 2849 | 1119 | 439 | 1580 | 3658 | 5517 | 3750 | 1358 |
| 26 1954 Federal Report Surplus Deficit | 682 | 676 | 247 | -146 | 743 | 753 | 1799 | 3040 | 2763 | 1896 | 2616 | 4544 | 4639 | 4390 | 2137 |
| 27 1955 Federal Report Surplus Deficit | 3002 | 2788 | 1980 | -38.1 | 1308 | 720 | -187 | 423 | -717 | 89.3 | 1196 | 3139 | 5469 | 4250 | 1659 |
| 28 1956 Federal Report Surplus Deficit | 2351 | 1199 | 17.3 | 136 | 1773 | 2581 | 3835 | 3897 | 3971 | 3235 | 4771 | 5365 | 5152 | 3524 | 2996 |
| 29 1957 Federal Report Surplus Deficit | 1769 | 1587 | 271 | 73.5 | 404 | 918 | 1188 | 5.69 | 2429 | 3116 | 2407 | 5779 | 5492 | 1388 | 1876 |
| 30 1958 Federal Report Surplus Deficit | 680 | 20.3 | -167 | -307 | 289 | -6.22 | 1454 | 1527 | 1894 | 1355 | 3095 | 5179 | 4829 | 1066 | 1524 |
| 31 1959 Federal Report Surplus Deficit | 798 | -102 | -178 | -152 | 1271 | 2040 | 3395 | 3051 | 3164 | 2774 | 2408 | 3900 | 4909 | 3944 | 2352 |
| 32 1960 Federal Report Surplus Deficit | 2413 | 1908 | 2355 | 2404 | 2628 | 1866 | 1705 | 1330 | 2026 | 5028 | 3674 | 2945 | 4245 | 2296 | 2526 |
| 33 1961 Federal Report Surplus Deficit | 1440 | -167 | -127 | -192 | 626 | 249 | 1432 | 1891 | 3419 | 1960 | 1906 | 4588 | 4844 | 1136 | 1698 |
| 34 1962 Federal Report Surplus Deficit | 637 | 81.3 | -215 | -473 | 333 | 257 | 1174 | 1251 | 102 | 3619 | 4840 | 4010 | 3417 | 1341 | 1309 |
| 35 1963 Federal Report Surplus Deficit | 1153 | 339 | -205 | 309 | 1382 | 1741 | 2149 | 1569 | 990 | 274 | 1548 | 3446 | 3188 | 2047 | 1523 |
| 36 1964 Federal Report Surplus Deficit | 1017 | 118 | 381 | -399 | 340 | 199 | 197 | 77.8 | 363 | 2354 | 1383 | 3746 | 5293 | 4172 | 1404 |
| 37 1965 Federal Report Surplus Deficit | 2330 | 1636 | 836 | 472 | 1057 | 2758 | 4733 | 4405 | 4144 | 1583 | 4858 | 4877 | 4063 | 2182 | 2887 |
| 38 1966 Federal Report Surplus Deficit | 2093 | 1481 | -111 | 25.4 | 548 | 477 | 869 | 890 | 509 | 3685 | 2163 | 2260 | 3020 | 2187 | 1281 |
| 39 1967 Federal Report Surplus Deficit | 1468 | -21.8 | -100 | -416 | 75.0 | 898 | 2982 | 2738 | 2709 | 1259 | -186 | 3454 | 4944 | 3673 | 1847 |
| 40 1968 Federal Report Surplus Deficit | 1539 | 975 | 287 | -89.6 | 810 | 498 | 1536 | 2274 | 2474 | 112 | 922 | 2058 | 4285 | 2612 | 1537 |
| 41 1969 Federal Report Surplus Deficit | 1739 | 951 | 1269 | 572 | 1858 | 1331 | 3754 | 3532 | 2884 | 3505 | 4683 | 5406 | 4280 | 2276 | 2707 |
| 42 1970 Federal Report Surplus Deficit | 620 | -30.5 | 28.6 | -20.5 | 484 | -189 | 1492 | 1375 | 1012 | 617 | 1294 | 3665 | 5235 | 426 | 1223 |
| 43 1971 Federal Report Surplus Deficit | 588 | -125 | -290 | -334 | 119 | 535 | 3862 | 4583 | 3902 | 3460 | 4036 | 5267 | 5149 | 3881 | 2540 |
| 44 1972 Federal Report Surplus Deficit | 2324 | 2257 | 459 | 120 | 626 | 790 | 3532 | 4265 | 5164 | 4634 | 3343 | 5034 | 4944 | 4037 | 2931 |
| 45 1973 Federal Report Surplus Deficit | 2685 | 2432 | 610 | 61.0 | 620 | 424 | 1196 | 435 | -29.2 | -892 | 531 | 2095 | 470 | 234 | 713 |
| 46 1974 Federal Report Surplus Deficit | 265 | -321 | -381 | -391 | 225 | 1344 | 4834 | 4743 | 4985 | 4047 | 4653 | 4938 | 5078 | 4574 | 2845 |
| 47 1975 Federal Report Surplus Deficit | 2513 | 2480 | 535 | -490 | 109 | -29.1 | 1716 | 1569 | 2155 | 475 | 1299 | 4400 | 5504 | 4182 | 1924 |
| 48 1976 Federal Report Surplus Deficit | 1449 | 1039 | 656 | 700 | 2066 | 3441 | 3415 | 3479 | 3659 | 3944 | 3776 | 5450 | 4364 | 3766 | 3007 |
| 49 1977 Federal Report Surplus Deficit | 3186 | 3245 | 2771 | 110 | 187 | -592 | -214 | -293 | -631 | -1070 | 47.4 | 611 | -610 | 10.7 | 342 |
| 50 1978 Federal Report Surplus Deficit | 337 | -401 | -766 | -793 | 195 | 345 | 1175 | 1384 | 1413 | 3407 | 2526 | 4177 | 2715 | 2394 | 1262 |
| 51 1979 Federal Report Surplus Deficit | 958 | 283 | 972 | 137 | 510 | -432 | -335 | 806 | 1298 | 314 | 1731 | 3981 | 2232 | -426 | 861 |
| 52 1980 Federal Report Surplus Deficit | 101 | -461 | -147 | -291 | 219 | -780 | 514 | -556 | -84.8 | 1211 | 3124 | 5256 | 4620 | 852 | 969 |
| 53 1981 Federal Report Surplus Deficit | 46.5 | -300 | -12.8 | -343 | 525 | 1731 | 3058 | 2551 | 1197 | -660 | 1471 | 3494 | 5260 | 3392 | 1756 |
| 54 1982 Federal Report Surplus Deficit | 2328 | 1976 | 270 | -234 | 864 | 476 | 2297 | 4549 | 4895 | 3368 | 3122 | 4928 | 5431 | 4626 | 2780 |

Federal Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 55 1983 Federal Report Surplus Deficit | 2362 | 2236 | 1202 | 615 | 916 | 963 | 2786 | 2945 | 4137 | 2462 | 2345 | 4131 | 4289 | 3666 | 2529 |
| 56 1984 Federal Report Surplus Deficit | 2071 | 1683 | 589 | -52.7 | 2317 | 1253 | 2248 | 2447 | 2659 | 3863 | 4346 | 4398 | 5424 | 3080 | 2522 |
| 57 1985 Federal Report Surplus Deficit | 1732 | 474 | 587 | 0.39 | 909 | 411 | 722 | 641 | 690 | 2072 | 3245 | 3796 | 1997 | 302 | 1150 |
| 58 1986 Federal Report Surplus Deficit | -484 | -729 | -355 | 292 | 1204 | 589 | 1641 | 2638 | 4698 | 3886 | 4398 | 3287 | 3893 | 1156 | 1871 |
| 59 1987 Federal Report Surplus Deficit | 678 | -320 | -296 | -435 | 705 | 489 | -28.2 | 22.7 | 990 | -356 | 1282 | 3020 | 2317 | 157 | 634 |
| 60 1988 Federal Report Surplus Deficit | 4.66 | -623 | -560 | -457 | 70.9 | -834 | -1162 | -1392 | 18.2 | -381 | 1135 | 2039 | 651 | 926 | -44.6 |
| 61 1989 Federal Report Surplus Deficit | 432 | -273 | -284 | -478 | 403 | 40.0 | -807 | -1319 | 1098 | 1567 | 4822 | 3418 | 2290 | 503 | 686 |
| 62 1990 Federal Report Surplus Deficit | 119 | -383 | -302 | -276 | 558 | 853 | 1214 | 2371 | 2496 | 1296 | 4265 | 3034 | 4147 | 1942 | 1547 |
| 63 1991 Federal Report Surplus Deficit | 1729 | 1074 | -167 | -488 | 2093 | 1470 | 2781 | 2289 | 2556 | 2298 | 2035 | 3593 | 3990 | 3764 | 2120 |
| 64 1992 Federal Report Surplus Deficit | 2427 | 1237 | -131 | -459 | 170 | -738 | -284 | 451 | 942 | -916 | 511 | 1990 | 426 | 86.1 | 341 |
| 65 1993 Federal Report Surplus Deficit | 242 | -396 | -763 | -483 | 248 | -483 | -1484 | -1487 | 466 | 571 | 1707 | 3859 | 3277 | 721 | 419 |
| 66 1994 Federal Report Surplus Deficit | 477 | -31.4 | -42.1 | -313 | 412 | -298 | -1039 | -782 | 219 | -557 | 1086 | 2141 | 1946 | 488 | 272 |
| 67 1995 Federal Report Surplus Deficit | 329 | -353 | -234 | -412 | -125 | -251 | 339 | 932 | 1120 | 2180 | 1617 | 3544 | 4693 | 1649 | 1090 |
| 68 1996 Federal Report Surplus Deficit | 379 | -16.6 | 279 | 529 | 2891 | 4300 | 4554 | 4645 | 5292 | 3580 | 5028 | 5006 | 4514 | 3854 | 3355 |
| 69 1997 Federal Report Surplus Deficit | 2171 | 1232 | 259 | -180 | 800 | 1421 | 4756 | 5019 | 5143 | 3870 | 4912 | 5131 | 5140 | 4075 | 3126 |
| 70 1998 Federal Report Surplus Deficit | 2205 | 2272 | 1163 | 1918 | 1725 | 388 | 640 | 1570 | 998 | 1087 | 2288 | 5375 | 5177 | 1867 | 2062 |
| 71 1999 Federal Report Surplus Deficit | 1743 | 428 | -61.4 | -339 | 55.4 | 1224 | 3485 | 3716 | 4069 | 2225 | 3645 | 3935 | 5213 | 4113 | 2445 |
| 72 2000 Federal Report Surplus Deficit | 3098 | 2332 | 648 | -185 | 2444 | 1807 | 1624 | 1507 | 2029 | 3312 | 4661 | 4181 | 1745 | 1718 | 2019 |
| 73 2001 Federal Report Surplus Deficit | 1342 | -445 | -479 | -260 | 88.9 | -541 | -496 | -523 | -341 | -837 | 143 | 1433 | -841 | -53.5 | -156 |
| 74 2002 Federal Report Surplus Deficit | 301 | -307 | -737 | -878 | 65.5 | -133 | -774 | -523 | 367 | 1143 | 3677 | 3131 | 4829 | 3110 | 908 |
| 75 2003 Federal Report Surplus Deficit | 617 | 369 | -166 | -235 | 311 | -507 | -917 | -717 | 1663 | 1096 | 1983 | 3087 | 4505 | 310 | 784 |
| 76 2004 Federal Report Surplus Deficit | -28.5 | -533 | -606 | -380 | 803 | 507 | -240 | -918 | 507 | 577 | 1460 | 2906 | 2461 | 816 | 557 |
| 77 2005 Federal Report Surplus Deficit | -89.5 | -127 | 333 | 87.0 | 533 | 668 | 623 | 1231 | 153 | -350 | 1127 | 3294 | 2614 | 645 | 868 |
| 78 2006 Federal Report Surplus Deficit | 558 | -207 | -264 | -467 | 715 | 402 | 2338 | 2040 | 2111 | 3681 | 4669 | 5018 | 4682 | 1487 | 1860 |
| 79 2007 Federal Report Surplus Deficit | 297 | -372 | -511 | -598 | 786 | 491 | 1639 | 939 | 2807 | 2647 | 1848 | 3673 | 2688 | 1930 | 1340 |
| 80 2008 Federal Report Surplus Deficit | 296 | -499 | -649 | -316 | 699 | -266 | -127 | -131 | 615 | 726 | -57.8 | 4384 | 5565 | 2313 | 1030 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 529 | -170 | -313 | -352 | 188 | -594 | -1023 | -813 | -250 | -434 | 302 | 1674 | 435 | 147 | -61.8 |
| 82 Middle 80 pct | 1097 | 470 | 107 | -113 | 663 | 478 | 1166 | 1276 | 1723 | 1738 | 2598 | 3835 | 3841 | 2007 | 1493 |
| 83 Top 10 pct | 1709 | 1122 | 324 | 243 | 1447 | 2406 | 4222 | 4321 | 4639 | 3599 | 4418 | 5057 | 4616 | 3681 | 3025 |

Federal Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| 1 1929 Federal Report Surplus Deficit | 774 | 752 | -101 | -438 | 30.0 | -746 | -778 | -618 | -420 | -725 | 742 | 912 | 963 | -1031 | -121 |
| 2 1930 Federal Report Surplus Deficit | 330 | -244 | -143 | -313 | 146 | -735 | -1364 | -590 | -413 | 160 | 990 | 542 | -634 | 292 | -216 |
| 3 1931 Federal Report Surplus Deficit | 514 | -160 | -271 | -366 | 230 | -611 | -1720 | -1316 | 212 | 117 | -1080 | 1318 | -1029 | 581 | -264 |
| 4 1932 Federal Report Surplus Deficit | 673 | -168 | -265 | -653 | -196 | -650 | -1449 | -1860 | 1029 | 3180 | 4191 | 4493 | 3763 | 1531 | 817 |
| 5 1933 Federal Report Surplus Deficit | 876 | 577 | 222 | -379 | -27.3 | 690 | 1742 | 1777 | 1945 | 1167 | 1650 | 2831 | 4902 | 3716 | 1628 |
| 6 1934 Federal Report Surplus Deficit | 2370 | 1678 | 276 | 216 | 2482 | 3627 | 4242 | 4076 | 4076 | 4208 | 4150 | 3360 | 2188 | 687 | 2610 |
| 7 1935 Federal Report Surplus Deficit | -115 | -387 | -549 | -417 | -495 | -372 | 1653 | 1324 | 1910 | -184 | 1892 | 2298 | 1597 | 2011 | 797 |
| 8 1936 Federal Report Surplus Deficit | 1774 | -51.3 | -291 | -462 | 3.79 | -746 | -1608 | -683 | -120 | 272 | 3431 | 4263 | 3267 | 666 | 585 |
| 9 1937 Federal Report Surplus Deficit | 200 | -322 | -380 | -351 | 235 | -668 | -1536 | -1171 | -487 | -419 | -663 | 1674 | 286 | -259 | -267 |
| 10 1938 Federal Report Surplus Deficit | 375 | -333 | -207 | -397 | 123 | -237 | 1338 | 1289 | 2155 | 2696 | 4842 | 4015 | 2817 | 1707 | 1363 |
| 11 1939 Federal Report Surplus Deficit | -101 | -454 | 29.0 | -362 | -95.7 | -830 | 263 | 40.1 | 313 | 1361 | 2870 | 2607 | 221 | 510 | 378 |
| 12 1940 Federal Report Surplus Deficit | 176 | -423 | -343 | -285 | 456 | 324 | -328 | 27.3 | 2368 | 1457 | 2206 | 2367 | 690 | 169 | 599 |
| 13 1941 Federal Report Surplus Deficit | 67.8 | -551 | -292 | -543 | 214 | -275 | -994 | -669 | -247 | -835 | 389 | 1670 | 417 | 369 | -64.9 |
| 14 1942 Federal Report Surplus Deficit | 546 | -177 | 39.0 | -631 | 600 | 1182 | 903 | 530 | 245 | 218 | 1936 | 2183 | 2118 | 2853 | 943 |
| 15 1943 Federal Report Surplus Deficit | 975 | 605 | 400 | -320 | -258 | -14.9 | 1996 | 1616 | 2294 | 4516 | 4916 | 3348 | 4768 | 3511 | 1900 |
| 16 1944 Federal Report Surplus Deficit | 1116 | 354 | -126 | -438 | 88.6 | -775 | -480 | -542 | -597 | -794 | 521 | 370 | -1262 | -358 | -292 |
| 17 1945 Federal Report Surplus Deficit | 286 | -297 | -308 | -534 | 118 | -637 | -1480 | -994 | -375 | -674 | -788 | 2977 | 3078 | -493 | 53.9 |
| 18 1946 Federal Report Surplus Deficit | 66.8 | -283 | -257 | -486 | 153 | 211 | 912 | 1026 | 1721 | 3227 | 4903 | 4141 | 2720 | 2362 | 1371 |
| 19 1947 Federal Report Surplus Deficit | 1639 | 1332 | 259 | -489 | 680 | 2430 | 3126 | 2456 | 2821 | 2127 | 2559 | 3987 | 2961 | 2258 | 2027 |
| 20 1948 Federal Report Surplus Deficit | 924 | 61.6 | 175 | 1675 | 1784 | 1157 | 2810 | 1744 | 2034 | 1657 | 3751 | 4910 | 4604 | 3022 | 2262 |
| 21 1949 Federal Report Surplus Deficit | 2487 | 2038 | 610 | -147 | 388 | 31.1 | 779 | 280 | 3189 | 2155 | 4239 | 4569 | 2899 | -238 | 1491 |
| 22 1950 Federal Report Surplus Deficit | -155 | -705 | -834 | -516 | -105 | 288 | 2457 | 3252 | 2948 | 3489 | 3366 | 3432 | 4610 | 4309 | 1893 |
| 23 1951 Federal Report Surplus Deficit | 2422 | 1971 | 488 | 501 | 2070 | 2542 | 4111 | 3914 | 4509 | 3857 | 3964 | 4217 | 2862 | 3311 | 2883 |
| 24 1952 Federal Report Surplus Deficit | 1730 | 281 | 190 | 1208 | 1163 | 1254 | 2234 | 2010 | 2411 | 3510 | 5144 | 5001 | 3210 | 1939 | 2161 |
| 25 1953 Federal Report Surplus Deficit | 1140 | -131 | -467 | -416 | 62.7 | -701 | -605 | 2797 | 1074 | 399 | 1539 | 3104 | 4944 | 3632 | 1225 |
| 26 1954 Federal Report Surplus Deficit | 702 | 697 | 271 | -205 | 677 | 682 | 1742 | 2988 | 2718 | 1856 | 2576 | 4016 | 3874 | 4288 | 1991 |
| 27 1955 Federal Report Surplus Deficit | 3022 | 2808 | 2004 | -97.1 | 1241 | 648 | -244 | 371 | -763 | 49.0 | 1156 | 2578 | 4735 | 4175 | 1516 |
| 28 1956 Federal Report Surplus Deficit | 2371 | 1219 | 41.7 | 76.5 | 1707 | 2509 | 3778 | 3845 | 3929 | 3223 | 4759 | 4850 | 4453 | 3394 | 2858 |
| 29 1957 Federal Report Surplus Deficit | 1790 | 1607 | 295 | 14.5 | 338 | 846 | 1131 | -46.6 | 2383 | 3076 | 2367 | 5249 | 4784 | 1269 | 1734 |
| 30 1958 Federal Report Surplus Deficit | 700 | 40.6 | -143 | -367 | 223 | -77.8 | 1397 | 1475 | 1849 | 1314 | 3054 | 4607 | 4058 | 947 | 1373 |
| 31 1959 Federal Report Surplus Deficit | 818 | -81.9 | -154 | -211 | 1204 | 1968 | 3338 | 2999 | 3119 | 2734 | 2368 | 3338 | 4200 | 3834 | 2208 |
| 32 1960 Federal Report Surplus Deficit | 2433 | 1928 | 2380 | 2345 | 2562 | 1794 | 1648 | 1278 | 1980 | 4964 | 3610 | 2378 | 3468 | 2178 | 2373 |
| 33 1961 Federal Report Surplus Deficit | 1460 | -147 | -103 | -251 | 560 | 178 | 1375 | 1839 | 3374 | 1918 | 1865 | 4071 | 4085 | 1017 | 1552 |
| 34 1962 Federal Report Surplus Deficit | 657 | 102 | -191 | -532 | 267 | 185 | 1117 | 1198 | 56.8 | 3581 | 4803 | 3463 | 2605 | 1223 | 1157 |
| 35 1963 Federal Report Surplus Deficit | 1173 | 360 | -181 | 249 | 1316 | 1670 | 2092 | 1516 | 944 | 233 | 1507 | 2876 | 2371 | 1929 | 1369 |
| 36 1964 Federal Report Surplus Deficit | 1037 | 138 | 406 | -458 | 274 | 127 | 140 | 25.5 | 318 | 2314 | 1343 | 3191 | 4728 | 4054 | 1272 |
| 37 1965 Federal Report Surplus Deficit | 2350 | 1657 | 861 | 413 | 991 | 2687 | 4676 | 4352 | 4100 | 1543 | 4818 | 4336 | 3276 | 2063 | 2738 |
| 38 1966 Federal Report Surplus Deficit | 2113 | 1501 | -87.0 | -33.7 | 482 | 405 | 812 | 837 | 464 | 3646 | 2123 | 1690 | 2201 | 2068 | 1126 |
| 39 1967 Federal Report Surplus Deficit | 1488 | -1.52 | -75.9 | -475 | 8.81 | 827 | 2925 | 2685 | 2664 | 1219 | -226 | 2904 | 4363 | 3563 | 1715 |
| 40 1968 Federal Report Surplus Deficit | 1559 | 995 | 312 | -149 | 744 | 426 | 1479 | 2221 | 2429 | 72.0 | 882 | 1481 | 3519 | 2494 | 1386 |
| 41 1969 Federal Report Surplus Deficit | 1759 | 971 | 1293 | 512 | 1791 | 1260 | 3697 | 3479 | 2839 | 3477 | 4656 | 4834 | 3537 | 2158 | 2560 |
| 42 1970 Federal Report Surplus Deficit | 640 | -10.2 | 53.1 | -79.5 | 418 | -260 | 1435 | 1322 | 967 | 576 | 1254 | 3103 | 4413 | 308 | 1069 |
| 43 1971 Federal Report Surplus Deficit | 608 | -105 | -266 | -393 | 52.5 | 463 | 3805 | 4530 | 3860 | 3440 | 4016 | 4768 | 4587 | 3758 | 2414 |
| 44 1972 Federal Report Surplus Deficit | 2344 | 2277 | 483 | 60.6 | 560 | 719 | 3475 | 4213 | 5156 | 4611 | 3321 | 4574 | 4280 | 3920 | 2803 |
| 45 1973 Federal Report Surplus Deficit | 2705 | 2453 | 634 | 1.95 | 553 | 353 | 1139 | 382 | -74.5 | -932 | 491 | 1524 | -352 | 115 | 558 |
| 46 1974 Federal Report Surplus Deficit | 285 | -301 | -356 | -450 | 159 | 1272 | 4777 | 4691 | 4928 | 3998 | 4603 | 4367 | 4386 | 4436 | 2697 |
| 47 1975 Federal Report Surplus Deficit | 2533 | 2500 | 559 | -549 | 43.2 | -101 | 1659 | 1516 | 2110 | 435 | 1258 | 3843 | 4755 | 4108 | 1780 |
| 48 1976 Federal Report Surplus Deficit | 1469 | 1060 | 681 | 641 | 2000 | 3369 | 3358 | 3427 | 3612 | 3898 | 3730 | 4879 | 3626 | 3634 | 2857 |
| 49 1977 Federal Report Surplus Deficit | 3206 | 3265 | 2796 | 50.8 | 121 | -663 | -271 | -345 | -677 | -1110 | 7.07 | 39.6 | -1432 | -108 | 187 |
| 50 1978 Federal Report Surplus Deficit | 357 | -381 | -741 | -852 | 129 | 273 | 1118 | 1332 | 1368 | 3370 | 2488 | 3675 | 1894 | 2276 | 1113 |
| 51 1979 Federal Report Surplus Deficit | 978 | 303 | 996 | 77.8 | 444 | -504 | -392 | 754 | 1252 | 274 | 1690 | 3397 | 1409 | -544 | 705 |
| 52 1980 Federal Report Surplus Deficit | 121 | -440 | -122 | -350 | 153 | -852 | 457 | -608 | -130 | 1170 | 3084 | 4809 | 3920 | 734 | 835 |
| 53 1981 Federal Report Surplus Deficit | 66.6 | -279 | 11.7 | -402 | 458 | 1660 | 3001 | 2499 | 1151 | -701 | 1430 | 2927 | 4541 | 3270 | 1610 |
| 54 1982 Federal Report Surplus Deficit | 2348 | 1997 | 294 | -293 | 798 | 405 | 2240 | 4497 | 4882 | 3346 | 3100 | 4446 | 4656 | 4522 | 2642 |

Federal Report Surplus Deficit By Water Year

Operating Year 2027

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|--|-------|-----------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|------|
| 55 1983 Federal Report Surplus Deficit | 2382 | 2256 | 1226 | 556 | 850 | 891 | 2729 | 2892 | 4091 | 2425 | 2308 | 3563 | 3547 | 3565 | 2382 |
| 56 1984 Federal Report Surplus Deficit | 2092 | 1703 | 613 | -112 | 2250 | 1181 | 2191 | 2395 | 2614 | 3827 | 4310 | 3805 | 4615 | 2959 | 2367 |
| 57 1985 Federal Report Surplus Deficit | 1752 | 494 | 611 | -58.7 | 843 | 339 | 665 | 589 | 645 | 2030 | 3203 | 3207 | 1175 | 183 | 993 |
| 58 1986 Federal Report Surplus Deficit | -464 | -709 | -330 | 233 | 1138 | 518 | 1584 | 2586 | 4658 | 3847 | 4374 | 2726 | 3104 | 1038 | 1721 |
| 59 1987 Federal Report Surplus Deficit | 698 | -299 | -271 | -494 | 639 | 417 | -85.1 | -29.6 | 945 | -397 | 1242 | 2447 | 1495 | 39.2 | 479 |
| 60 1988 Federal Report Surplus Deficit | 24.7 | -603 | -536 | -516 | 4.77 | -905 | -1219 | -1444 | -27.1 | -421 | 1095 | 1467 | -171 | 807 | -200 |
| 61 1989 Federal Report Surplus Deficit | 452 | -253 | -260 | -537 | 336 | -31.6 | -864 | -1371 | 1053 | 1526 | 4781 | 2835 | 1468 | 385 | 530 |
| 62 1990 Federal Report Surplus Deficit | 139 | -362 | -277 | -335 | 492 | 781 | 1157 | 2319 | 2451 | 1258 | 4227 | 2459 | 3350 | 1821 | 1394 |
| 63 1991 Federal Report Surplus Deficit | 1749 | 1095 | -143 | -547 | 2027 | 1398 | 2725 | 2237 | 2511 | 2257 | 1994 | 3023 | 3223 | 3627 | 1968 |
| 64 1992 Federal Report Surplus Deficit | 2447 | 1258 | -106 | -518 | 104 | -810 | -341 | 398 | 897 | -956 | 471 | 1419 | -396 | -32.5 | 186 |
| 65 1993 Federal Report Surplus Deficit | 262 | -376 | -739 | -542 | 181 | -555 | -1541 | -1539 | 421 | 531 | 1666 | 3278 | 2461 | 602 | 264 |
| 66 1994 Federal Report Surplus Deficit | 497 | -11.1 | -17.6 | -372 | 345 | -369 | -1096 | -834 | 174 | -598 | 1046 | 1568 | 1124 | 370 | 117 |
| 67 1995 Federal Report Surplus Deficit | 349 | -333 | -210 | -471 | -191 | -323 | 282 | 749 | 1203 | 2140 | 1576 | 2972 | 3913 | 1531 | 940 |
| 68 1996 Federal Report Surplus Deficit | 399 | 3.66 | 303 | 470 | 2824 | 4228 | 4497 | 4593 | 5291 | 3565 | 5014 | 4559 | 3759 | 3734 | 3222 |
| 69 1997 Federal Report Surplus Deficit | 2191 | 1252 | 283 | -239 | 734 | 1350 | 4699 | 4966 | 5118 | 3867 | 4872 | 4635 | 4363 | 3962 | 2985 |
| 70 1998 Federal Report Surplus Deficit | 2225 | 2293 | 1187 | 1859 | 1659 | 317 | 583 | 1518 | 952 | 1047 | 2248 | 4803 | 4583 | 1749 | 1926 |
| 71 1999 Federal Report Surplus Deficit | 1763 | 448 | -36.9 | -398 | -10.8 | 1153 | 3501 | 3570 | 4023 | 2188 | 3608 | 3348 | 4447 | 3986 | 2291 |
| 72 2000 Federal Report Surplus Deficit | 3119 | 2353 | 672 | -244 | 2378 | 1735 | 1567 | 1455 | 1984 | 3267 | 4616 | 3629 | 923 | 1599 | 1866 |
| 73 2001 Federal Report Surplus Deficit | 1362 | -424 | -455 | -319 | 22.7 | -613 | -553 | -575 | -387 | -877 | 102 | 862 | -1663 | -172 | -311 |
| 74 2002 Federal Report Surplus Deficit | 321 | -287 | -713 | -937 | -0.68 | -205 | -831 | -575 | 322 | 1103 | 3637 | 2564 | 4090 | 2992 | 760 |
| 75 2003 Federal Report Surplus Deficit | 637 | 390 | -141 | -295 | 245 | -579 | -974 | -769 | 1618 | 1055 | 1943 | 2521 | 3767 | 192 | 636 |
| 76 2004 Federal Report Surplus Deficit | -8.42 | -512 | -582 | -439 | 737 | 436 | -297 | -971 | 462 | 537 | 1420 | 2330 | 1639 | 698 | 401 |
| 77 2005 Federal Report Surplus Deficit | -69.4 | -107 | 358 | 28.0 | 467 | 597 | 566 | 1179 | 108 | -390 | 1087 | 2728 | 1792 | 527 | 713 |
| 78 2006 Federal Report Surplus Deficit | 578 | -187 | -239 | -526 | 648 | 330 | 2281 | 1988 | 2066 | 3641 | 4628 | 4447 | 3943 | 1368 | 1712 |
| 79 2007 Federal Report Surplus Deficit | 317 | -352 | -487 | -657 | 720 | 420 | 1582 | 887 | 2762 | 2607 | 1808 | 3115 | 1867 | 1812 | 1187 |
| 80 2008 Federal Report Surplus Deficit | 316 | -478 | -624 | -375 | 633 | -338 | -184 | -183 | 569 | 686 | -98.1 | 3852 | 4891 | 2195 | 891 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 549 | -150 | -288 | -411 | 121 | -666 | -1080 | -866 | -296 | -474 | 262 | 1102 | -387 | 28.8 | -217 |
| 82 Middle 80 pct | 1117 | 491 | 131 | -172 | 597 | 407 | 1110 | 1218 | 1682 | 1699 | 2559 | 3277 | 3083 | 1890 | 1345 |
| 83 Top 10 pct | 1729 | 1142 | 348 | 184 | 1381 | 2334 | 4171 | 4250 | 4580 | 3570 | 4385 | 4552 | 3876 | 3557 | 2880 |

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Exhibit 36
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Annual Energy
Operating Year 2018 to 2027
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 1929 Regional Report Surplus Deficit | 4945 | 4450 | 4297 | 5868 | 6381 | 4422 | 2256 | 3326 | 3701 | 5359 | 6759 | 6106 | 7070 | 3286 | 4788 |
| 2 1930 Regional Report Surplus Deficit | 3956 | 3230 | 4349 | 5326 | 5956 | 3633 | 1581 | 3940 | 3770 | 6497 | 8107 | 4710 | 3100 | 5620 | 4401 |
| 3 1931 Regional Report Surplus Deficit | 4523 | 3212 | 4006 | 5347 | 6029 | 4170 | 1807 | 1373 | 3318 | 5754 | 2428 | 6927 | 2781 | 5282 | 4102 |
| 4 1932 Regional Report Surplus Deficit | 3502 | 2136 | 3532 | 5177 | 5531 | 4180 | 690 | 1483 | 6985 | 12694 | 13366 | 12585 | 13015 | 8143 | 6444 |
| 5 1933 Regional Report Surplus Deficit | 4898 | 5288 | 4673 | 5470 | 6240 | 6636 | 8522 | 8565 | 8272 | 8962 | 8018 | 9612 | 14934 | 12830 | 8273 |
| 6 1934 Regional Report Surplus Deficit | 8371 | 6686 | 5095 | 7683 | 11247 | 13213 | 13375 | 13022 | 13159 | 15469 | 12767 | 10691 | 10070 | 6269 | 10436 |
| 7 1935 Regional Report Surplus Deficit | 3642 | 2856 | 3537 | 5316 | 5923 | 4644 | 7830 | 7811 | 7991 | 6267 | 8153 | 8973 | 9350 | 9452 | 6767 |
| 8 1936 Regional Report Surplus Deficit | 6569 | 3898 | 3841 | 5393 | 5779 | 3783 | 1007 | 2708 | 4466 | 7098 | 11528 | 12628 | 12632 | 6323 | 6097 |
| 9 1937 Regional Report Surplus Deficit | 4010 | 3115 | 3726 | 5261 | 5986 | 4278 | 917 | 1642 | 3110 | 5510 | 4534 | 6804 | 6784 | 3906 | 4258 |
| 10 1938 Regional Report Surplus Deficit | 4883 | 3519 | 4010 | 5432 | 6879 | 5146 | 7453 | 7830 | 8993 | 11876 | 14867 | 12663 | 10613 | 8467 | 7911 |
| 11 1939 Regional Report Surplus Deficit | 4272 | 3110 | 4502 | 5401 | 5833 | 4329 | 4741 | 4771 | 5246 | 9170 | 10691 | 9133 | 6084 | 5923 | 5797 |
| 12 1940 Regional Report Surplus Deficit | 4186 | 3050 | 4017 | 5437 | 6391 | 5153 | 5367 | 3625 | 9808 | 9140 | 8761 | 8473 | 5094 | 5086 | 5933 |
| 13 1941 Regional Report Surplus Deficit | 2973 | 2244 | 3810 | 4968 | 5848 | 4640 | 2163 | 3637 | 4038 | 4207 | 5103 | 6726 | 5426 | 4769 | 4441 |
| 14 1942 Regional Report Surplus Deficit | 3413 | 2734 | 4563 | 5281 | 6962 | 6637 | 6795 | 6324 | 6700 | 5803 | 8911 | 8227 | 9839 | 9454 | 6766 |
| 15 1943 Regional Report Surplus Deficit | 5512 | 4627 | 5428 | 5379 | 5694 | 5113 | 8809 | 8520 | 9262 | 16860 | 15116 | 11161 | 14774 | 12864 | 8991 |
| 16 1944 Regional Report Surplus Deficit | 5666 | 4560 | 4353 | 5537 | 6296 | 4662 | 2463 | 3792 | 4296 | 5054 | 5530 | 4279 | 2500 | 3759 | 4362 |
| 17 1945 Regional Report Surplus Deficit | 3415 | 2278 | 3681 | 5024 | 5583 | 4046 | 2147 | 3120 | 3771 | 5716 | 2372 | 9593 | 11316 | 4165 | 4945 |
| 18 1946 Regional Report Surplus Deficit | 4649 | 2896 | 3452 | 5480 | 6976 | 5828 | 6592 | 6861 | 8673 | 13312 | 14968 | 12932 | 11381 | 10945 | 8084 |
| 19 1947 Regional Report Surplus Deficit | 6710 | 6080 | 4908 | 5633 | 7075 | 11173 | 10604 | 10769 | 10324 | 11337 | 10785 | 11702 | 11430 | 9557 | 9212 |
| 20 1948 Regional Report Surplus Deficit | 6385 | 5876 | 4568 | 10605 | 9574 | 8188 | 10081 | 8668 | 8546 | 9749 | 12389 | 13830 | 15166 | 11971 | 9873 |
| 21 1949 Regional Report Surplus Deficit | 9050 | 7981 | 5682 | 6332 | 6474 | 5680 | 5811 | 6771 | 9857 | 11430 | 13718 | 13091 | 11843 | 5479 | 8175 |
| 22 1950 Regional Report Surplus Deficit | 3478 | 2530 | 3670 | 5460 | 6800 | 5058 | 9938 | 11433 | 10988 | 14490 | 12742 | 11096 | 15029 | 14234 | 9167 |
| 23 1951 Regional Report Surplus Deficit | 8122 | 6908 | 5271 | 8256 | 10827 | 12104 | 12726 | 13972 | 14589 | 15326 | 13548 | 12784 | 11527 | 11792 | 11301 |
| 24 1952 Regional Report Surplus Deficit | 7278 | 5531 | 5087 | 9699 | 8289 | 8630 | 8903 | 9451 | 9900 | 13802 | 15479 | 14136 | 12503 | 9165 | 9729 |
| 25 1953 Regional Report Surplus Deficit | 6366 | 5620 | 3748 | 5475 | 5534 | 4196 | 5242 | 9070 | 7163 | 7577 | 7835 | 10666 | 14904 | 12709 | 7685 |
| 26 1954 Regional Report Surplus Deficit | 5756 | 5101 | 4855 | 6231 | 7232 | 7734 | 9950 | 10705 | 10643 | 11010 | 10515 | 12042 | 13908 | 13961 | 9446 |
| 27 1955 Regional Report Surplus Deficit | 10080 | 9823 | 8892 | 6540 | 8619 | 7175 | 4633 | 5543 | 3889 | 7066 | 6807 | 8617 | 15083 | 13562 | 8292 |
| 28 1956 Regional Report Surplus Deficit | 8784 | 6193 | 4519 | 7567 | 9915 | 11516 | 12448 | 12623 | 12788 | 13892 | 15447 | 13883 | 15251 | 12466 | 11248 |
| 29 1957 Regional Report Surplus Deficit | 7890 | 7133 | 5131 | 7015 | 6657 | 7931 | 6877 | 6757 | 8753 | 13156 | 9735 | 14296 | 15112 | 8047 | 8801 |
| 30 1958 Regional Report Surplus Deficit | 5919 | 3797 | 4364 | 5486 | 6159 | 5034 | 7560 | 8382 | 8498 | 9598 | 10980 | 13046 | 13982 | 7384 | 7905 |
| 31 1959 Regional Report Surplus Deficit | 5340 | 3638 | 4132 | 5871 | 8453 | 10284 | 11447 | 11321 | 11475 | 12750 | 10341 | 11069 | 13710 | 12690 | 9694 |
| 32 1960 Regional Report Surplus Deficit | 8433 | 6487 | 9620 | 12110 | 11547 | 9573 | 7789 | 8327 | 9083 | 17444 | 12404 | 9094 | 12195 | 9520 | 10094 |
| 33 1961 Regional Report Surplus Deficit | 5883 | 4528 | 4179 | 5884 | 7113 | 6194 | 7908 | 10471 | 10876 | 11002 | 8379 | 11694 | 13819 | 7834 | 8383 |
| 34 1962 Regional Report Surplus Deficit | 5863 | 4007 | 4064 | 5302 | 6282 | 5538 | 7129 | 7277 | 5200 | 14365 | 14810 | 11008 | 10190 | 7736 | 7421 |
| 35 1963 Regional Report Surplus Deficit | 5617 | 4916 | 4053 | 7098 | 8738 | 9454 | 8308 | 9069 | 7356 | 7069 | 7776 | 9720 | 10612 | 8830 | 7987 |
| 36 1964 Regional Report Surplus Deficit | 5329 | 3998 | 5068 | 5520 | 6480 | 6089 | 5225 | 5796 | 5733 | 11682 | 7542 | 10450 | 15093 | 13313 | 7754 |
| 37 1965 Regional Report Surplus Deficit | 8419 | 7310 | 6330 | 7459 | 7567 | 11712 | 13554 | 13482 | 13357 | 10350 | 15187 | 12997 | 11869 | 9508 | 10692 |
| 38 1966 Regional Report Surplus Deficit | 7692 | 7223 | 4475 | 6538 | 6625 | 6548 | 6242 | 6626 | 6218 | 14679 | 9483 | 7691 | 10100 | 9183 | 7479 |
| 39 1967 Regional Report Surplus Deficit | 5429 | 4223 | 4448 | 5485 | 6066 | 7382 | 10604 | 10953 | 10803 | 9424 | 4985 | 10092 | 15063 | 12288 | 8754 |
| 40 1968 Regional Report Surplus Deficit | 6735 | 5969 | 4908 | 6726 | 7356 | 6801 | 9167 | 9813 | 10012 | 6511 | 6309 | 7169 | 13045 | 10216 | 8152 |
| 41 1969 Regional Report Surplus Deficit | 6931 | 7428 | 7390 | 8086 | 9695 | 8689 | 11790 | 11980 | 10943 | 14898 | 14859 | 13805 | 12784 | 9622 | 10552 |
| 42 1970 Regional Report Surplus Deficit | 6433 | 4952 | 4645 | 6224 | 6695 | 5036 | 8138 | 8002 | 6796 | 7515 | 6933 | 10385 | 13832 | 6117 | 7384 |
| 43 1971 Regional Report Surplus Deficit | 5333 | 3703 | 4144 | 5513 | 6425 | 5843 | 12481 | 14163 | 13179 | 14050 | 13470 | 13851 | 15578 | 13787 | 10238 |
| 44 1972 Regional Report Surplus Deficit | 8701 | 8577 | 5484 | 6929 | 7017 | 7426 | 11768 | 13916 | 16800 | 17785 | 11788 | 13517 | 15492 | 13412 | 11249 |
| 45 1973 Regional Report Surplus Deficit | 9654 | 9149 | 6048 | 6802 | 6678 | 7136 | 6942 | 5317 | 4970 | 4956 | 5620 | 6986 | 4793 | 5354 | 6324 |
| 46 1974 Regional Report Surplus Deficit | 3907 | 2694 | 4007 | 5526 | 6449 | 8375 | 14601 | 14750 | 15316 | 15720 | 14950 | 13029 | 15431 | 14359 | 10845 |
| 47 1975 Regional Report Surplus Deficit | 9167 | 9006 | 5676 | 5527 | 6539 | 5433 | 8203 | 8594 | 9021 | 7852 | 7510 | 12104 | 14743 | 13945 | 8884 |
| 48 1976 Regional Report Surplus Deficit | 7687 | 7576 | 5895 | 8344 | 10392 | 13296 | 11876 | 12158 | 12193 | 14978 | 13006 | 13620 | 12916 | 12746 | 11252 |
| 49 1977 Regional Report Surplus Deficit | 10581 | 10777 | 10224 | 6548 | 6278 | 4426 | 3012 | 3971 | 4279 | 4407 | 4599 | 3885 | 1745 | 3608 | 5269 |
| 50 1978 Regional Report Surplus Deficit | 3327 | 2394 | 2728 | 4520 | 6065 | 6121 | 6542 | 7184 | 7874 | 13936 | 10527 | 11835 | 8871 | 9925 | 7226 |
| 51 1979 Regional Report Surplus Deficit | 5268 | 4221 | 7217 | 6586 | 6518 | 4897 | 4878 | 4344 | 8043 | 6253 | 7979 | 10491 | 8465 | 3686 | 6421 |
| 52 1980 Regional Report Surplus Deficit | 3155 | 2992 | 4252 | 5417 | 5889 | 4012 | 4604 | 4994 | 4951 | 9468 | 10934 | 13371 | 12956 | 7377 | 6755 |
| 53 1981 Regional Report Surplus Deficit | 3864 | 2732 | 4695 | 5415 | 6587 | 10002 | 10578 | 10768 | 7466 | 4719 | 7716 | 9668 | 14129 | 11166 | 8316 |
| 54 1982 Regional Report Surplus Deficit | 8005 | 6525 | 4838 | 5978 | 7125 | 6930 | 9020 | 14365 | 14859 | 13682 | 11358 | 13057 | 14344 | 14064 | 10335 |

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 55 1983 Regional Report Surplus Deficit | 8150 | 8167 | 6895 | 7774 | 7315 | 8117 | 10816 | 11662 | 13073 | 11967 | 9924 | 11623 | 12976 | 12749 | 10169 |
| 56 1984 Regional Report Surplus Deficit | 8502 | 7844 | 5569 | 6399 | 10896 | 8434 | 9818 | 10242 | 9918 | 14278 | 13246 | 11289 | 14031 | 11439 | 9983 |
| 57 1985 Regional Report Surplus Deficit | 7280 | 4953 | 5702 | 6519 | 7745 | 6450 | 5688 | 5928 | 5960 | 11109 | 11670 | 10621 | 8493 | 5355 | 7158 |
| 58 1986 Regional Report Surplus Deficit | 2475 | 2049 | 4531 | 5760 | 9507 | 6601 | 8884 | 10665 | 14331 | 15096 | 13915 | 9850 | 11235 | 7144 | 8744 |
| 59 1987 Regional Report Surplus Deficit | 4764 | 3581 | 4112 | 5380 | 7011 | 6655 | 4988 | 5511 | 6526 | 6058 | 7529 | 9063 | 7753 | 4711 | 6055 |
| 60 1988 Regional Report Surplus Deficit | 3230 | 2067 | 3699 | 5063 | 5660 | 3816 | 2398 | 1793 | 4380 | 5705 | 7126 | 6694 | 4470 | 6307 | 4459 |
| 61 1989 Regional Report Surplus Deficit | 4388 | 3229 | 3705 | 5106 | 7076 | 4731 | 2847 | 3310 | 6800 | 9609 | 14394 | 10046 | 8659 | 5543 | 6139 |
| 62 1990 Regional Report Surplus Deficit | 3938 | 3016 | 4044 | 5518 | 7270 | 7455 | 9039 | 9277 | 9153 | 9689 | 12771 | 9331 | 12578 | 9039 | 8099 |
| 63 1991 Regional Report Surplus Deficit | 6940 | 5691 | 4313 | 5358 | 10742 | 8601 | 9952 | 10317 | 10231 | 10860 | 9038 | 10222 | 12064 | 12412 | 9195 |
| 64 1992 Regional Report Surplus Deficit | 8141 | 6553 | 4174 | 5394 | 6374 | 3882 | 3846 | 4622 | 7146 | 5427 | 4798 | 6224 | 3767 | 3699 | 5137 |
| 65 1993 Regional Report Surplus Deficit | 3116 | 2210 | 3369 | 5020 | 5794 | 3495 | 1685 | 1272 | 5665 | 7594 | 8046 | 10566 | 9911 | 6221 | 5306 |
| 66 1994 Regional Report Surplus Deficit | 5413 | 3842 | 4693 | 5398 | 6266 | 4312 | 1216 | 2586 | 4155 | 5537 | 7410 | 8515 | 7289 | 5540 | 5096 |
| 67 1995 Regional Report Surplus Deficit | 3941 | 2488 | 4033 | 5256 | 5485 | 4739 | 5049 | 7878 | 9914 | 8089 | 7141 | 9200 | 13118 | 8166 | 6956 |
| 68 1996 Regional Report Surplus Deficit | 4884 | 3887 | 4872 | 7130 | 12426 | 14648 | 14122 | 14704 | 15879 | 15109 | 15703 | 13216 | 12978 | 12320 | 11820 |
| 69 1997 Regional Report Surplus Deficit | 7857 | 6785 | 4969 | 6035 | 7243 | 8775 | 13796 | 14921 | 15795 | 15720 | 15619 | 13710 | 15250 | 13441 | 11386 |
| 70 1998 Regional Report Surplus Deficit | 8484 | 8689 | 7373 | 11228 | 9431 | 6848 | 7238 | 7756 | 7652 | 9111 | 9493 | 13438 | 14469 | 9278 | 9389 |
| 71 1999 Regional Report Surplus Deficit | 6975 | 5569 | 4515 | 5614 | 5989 | 8363 | 11824 | 12539 | 13408 | 11967 | 12758 | 11181 | 14684 | 13576 | 10011 |
| 72 2000 Regional Report Surplus Deficit | 10143 | 8981 | 5741 | 6102 | 11233 | 9688 | 8005 | 8057 | 8776 | 13652 | 14487 | 11242 | 8166 | 8249 | 9073 |
| 73 2001 Regional Report Surplus Deficit | 5670 | 3263 | 3915 | 5531 | 5720 | 4212 | 2075 | 3244 | 3911 | 5089 | 4846 | 5226 | 1426 | 3993 | 4061 |
| 74 2002 Regional Report Surplus Deficit | 3240 | 2079 | 3299 | 4364 | 5523 | 4490 | 3521 | 3996 | 5418 | 8709 | 11800 | 9302 | 13832 | 11254 | 6493 |
| 75 2003 Regional Report Surplus Deficit | 4275 | 3589 | 4007 | 5316 | 6250 | 3847 | 2642 | 3290 | 8021 | 8368 | 8579 | 8690 | 11434 | 5241 | 5931 |
| 76 2004 Regional Report Surplus Deficit | 3352 | 2373 | 3525 | 5427 | 7030 | 5250 | 4344 | 3969 | 5606 | 7157 | 7611 | 8283 | 7578 | 6257 | 5630 |
| 77 2005 Regional Report Surplus Deficit | 3001 | 3278 | 5881 | 6370 | 6405 | 6858 | 7707 | 4657 | 4613 | 4762 | 6671 | 8944 | 8467 | 6587 | 6289 |
| 78 2006 Regional Report Surplus Deficit | 4320 | 2898 | 3886 | 5036 | 6094 | 6216 | 9741 | 9549 | 8902 | 14184 | 14195 | 12696 | 13773 | 7788 | 8434 |
| 79 2007 Regional Report Surplus Deficit | 5559 | 2552 | 3509 | 5079 | 8119 | 5564 | 7693 | 8103 | 9873 | 12301 | 8941 | 9482 | 9931 | 8291 | 7512 |
| 80 2008 Regional Report Surplus Deficit | 4235 | 2596 | 3836 | 5544 | 6640 | 4231 | 3648 | 4731 | 5490 | 7741 | 4275 | 11196 | 15341 | 10175 | 6688 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 81 Bottom 10 pct | 4372 | 3268 | 4019 | 5362 | 5984 | 4229 | 1958 | 2843 | 3816 | 5397 | 5554 | 5934 | 4195 | 4615 | 4359 |
| 82 Middle 80 pct | 5858 | 4807 | 4824 | 6110 | 7169 | 6418 | 7080 | 7585 | 8307 | 10180 | 10043 | 10588 | 11620 | 8984 | 7838 |
| 83 Top 10 pct | 7295 | 6241 | 5168 | 7156 | 8980 | 10981 | 13111 | 13816 | 14590 | 14860 | 14406 | 13345 | 13839 | 12505 | 11224 |

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 1929 Regional Report Surplus Deficit | 5318 | 5612 | 4015 | 5689 | 6142 | 4156 | 1975 | 3055 | 3373 | 4046 | 5994 | 5187 | 6001 | 2921 | 4419 |
| 2 1930 Regional Report Surplus Deficit | 3612 | 2589 | 4493 | 5147 | 5716 | 3366 | 1298 | 3669 | 3442 | 5184 | 7308 | 3792 | 1963 | 5258 | 3952 |
| 3 1931 Regional Report Surplus Deficit | 3900 | 2694 | 4304 | 5168 | 5789 | 3904 | 1525 | 1102 | 2991 | 4441 | 1663 | 6008 | 1644 | 4921 | 3661 |
| 4 1932 Regional Report Surplus Deficit | 3588 | 2900 | 3809 | 4999 | 5292 | 3914 | 408 | 1212 | 6771 | 11465 | 12150 | 12012 | 12173 | 7778 | 6134 |
| 5 1933 Regional Report Surplus Deficit | 5476 | 4439 | 5096 | 5292 | 6001 | 6370 | 8176 | 8344 | 7923 | 7736 | 7235 | 8796 | 14342 | 13255 | 7996 |
| 6 1934 Regional Report Surplus Deficit | 8110 | 6891 | 5231 | 7504 | 11029 | 13309 | 13287 | 12550 | 12531 | 13851 | 11670 | 9732 | 8999 | 5906 | 10012 |
| 7 1935 Regional Report Surplus Deficit | 3070 | 2157 | 3937 | 5138 | 5684 | 4378 | 7479 | 7564 | 7782 | 4886 | 7353 | 8128 | 8226 | 9087 | 6337 |
| 8 1936 Regional Report Surplus Deficit | 6745 | 3455 | 3762 | 5215 | 5540 | 3517 | 725 | 2444 | 4138 | 5784 | 10803 | 12024 | 11695 | 5960 | 5706 |
| 9 1937 Regional Report Surplus Deficit | 3964 | 2527 | 4040 | 5083 | 5746 | 4012 | 635 | 1380 | 2782 | 4197 | 3757 | 5887 | 5647 | 3541 | 3839 |
| 10 1938 Regional Report Surplus Deficit | 4037 | 2492 | 4245 | 5254 | 6639 | 4879 | 7162 | 7571 | 8715 | 10717 | 13675 | 11840 | 9574 | 8102 | 7442 |
| 11 1939 Regional Report Surplus Deficit | 3521 | 2673 | 4685 | 5223 | 5594 | 4063 | 4460 | 4500 | 4918 | 7793 | 9906 | 8209 | 5001 | 5558 | 5345 |
| 12 1940 Regional Report Surplus Deficit | 3488 | 2291 | 4412 | 5259 | 6151 | 4887 | 5084 | 3354 | 9567 | 7837 | 7962 | 7583 | 3957 | 4761 | 5498 |
| 13 1941 Regional Report Surplus Deficit | 2578 | 1923 | 3968 | 4789 | 5609 | 4374 | 1882 | 3366 | 3710 | 2894 | 4338 | 5810 | 4289 | 4408 | 4007 |
| 14 1942 Regional Report Surplus Deficit | 3618 | 2535 | 4466 | 5103 | 6723 | 6370 | 6514 | 6053 | 6372 | 4489 | 8146 | 7310 | 8823 | 9024 | 6344 |
| 15 1943 Regional Report Surplus Deficit | 5194 | 4529 | 5532 | 5201 | 5455 | 4847 | 8519 | 8246 | 8897 | 15828 | 14467 | 10361 | 14155 | 12550 | 8634 |
| 16 1944 Regional Report Surplus Deficit | 6923 | 4591 | 4276 | 5359 | 6056 | 4395 | 2182 | 3521 | 3968 | 3741 | 4765 | 3359 | 1363 | 3405 | 3992 |
| 17 1945 Regional Report Surplus Deficit | 3375 | 2622 | 3841 | 4846 | 5344 | 3780 | 1864 | 2849 | 3443 | 4405 | 1713 | 8637 | 10309 | 3800 | 4566 |
| 18 1946 Regional Report Surplus Deficit | 3462 | 2481 | 4177 | 5302 | 6737 | 5562 | 6311 | 6590 | 8468 | 12058 | 13756 | 11936 | 10357 | 10582 | 7656 |
| 19 1947 Regional Report Surplus Deficit | 5853 | 5203 | 5024 | 5455 | 6836 | 10852 | 10273 | 10538 | 10206 | 10187 | 9950 | 11038 | 10401 | 9192 | 8776 |
| 20 1948 Regional Report Surplus Deficit | 5296 | 4141 | 4826 | 10427 | 9334 | 7929 | 9774 | 8362 | 8188 | 8392 | 11452 | 12922 | 14676 | 11687 | 9401 |
| 21 1949 Regional Report Surplus Deficit | 8798 | 7745 | 5815 | 6154 | 6234 | 5414 | 5530 | 6507 | 9619 | 10139 | 12794 | 12568 | 10863 | 5114 | 7796 |
| 22 1950 Regional Report Surplus Deficit | 3612 | 2169 | 4084 | 5281 | 6561 | 4792 | 9548 | 11376 | 11014 | 13464 | 11909 | 10289 | 14522 | 14779 | 8958 |
| 23 1951 Regional Report Surplus Deficit | 9065 | 7907 | 5617 | 8078 | 10588 | 11827 | 12661 | 14080 | 14077 | 14184 | 12472 | 11868 | 10543 | 11702 | 11056 |
| 24 1952 Regional Report Surplus Deficit | 7004 | 4646 | 5187 | 9521 | 8049 | 8368 | 8625 | 9168 | 9607 | 12400 | 14370 | 13177 | 11501 | 8801 | 9262 |
| 25 1953 Regional Report Surplus Deficit | 5841 | 3220 | 3707 | 5296 | 5295 | 3930 | 4914 | 8843 | 6843 | 6264 | 7070 | 9892 | 14466 | 12357 | 7208 |
| 26 1954 Regional Report Surplus Deficit | 6468 | 5359 | 4988 | 6053 | 6993 | 7468 | 9603 | 10458 | 10297 | 9828 | 9833 | 11027 | 13162 | 14563 | 9189 |
| 27 1955 Regional Report Surplus Deficit | 9707 | 9617 | 8941 | 6362 | 8379 | 6909 | 4351 | 5274 | 3561 | 5821 | 5979 | 7829 | 14547 | 13929 | 7977 |
| 28 1956 Regional Report Surplus Deficit | 8268 | 5771 | 4617 | 7389 | 9676 | 11247 | 12204 | 12480 | 12721 | 12814 | 14269 | 12912 | 14710 | 12295 | 10887 |
| 29 1957 Regional Report Surplus Deficit | 7596 | 6816 | 5239 | 6837 | 6418 | 7665 | 6605 | 6481 | 8579 | 11918 | 8936 | 13384 | 14566 | 7681 | 8430 |
| 30 1958 Regional Report Surplus Deficit | 4487 | 3425 | 4761 | 5308 | 5920 | 4768 | 7278 | 8111 | 8170 | 8302 | 10233 | 12666 | 13183 | 7019 | 7519 |
| 31 1959 Regional Report Surplus Deficit | 4981 | 3184 | 4267 | 5693 | 8213 | 10029 | 11118 | 11130 | 11216 | 11624 | 9500 | 9944 | 12925 | 13091 | 9343 |
| 32 1960 Regional Report Surplus Deficit | 8096 | 7508 | 9847 | 11932 | 11329 | 9331 | 7503 | 8056 | 8703 | 15733 | 11344 | 8210 | 11252 | 9155 | 9715 |
| 33 1961 Regional Report Surplus Deficit | 5796 | 3539 | 4382 | 5705 | 6874 | 5928 | 7626 | 10210 | 10557 | 9750 | 7650 | 10496 | 13118 | 7469 | 7953 |
| 34 1962 Regional Report Surplus Deficit | 5513 | 3641 | 4118 | 5123 | 6042 | 5272 | 6848 | 7006 | 4910 | 13240 | 13648 | 10213 | 9099 | 7370 | 6987 |
| 35 1963 Regional Report Surplus Deficit | 5273 | 4559 | 4087 | 6920 | 8499 | 9199 | 8027 | 8798 | 7028 | 5756 | 6977 | 8900 | 9555 | 8464 | 7557 |
| 36 1964 Regional Report Surplus Deficit | 4620 | 3911 | 5240 | 5342 | 6241 | 5823 | 4943 | 5525 | 5442 | 10428 | 6779 | 9719 | 14865 | 13667 | 7474 |
| 37 1965 Regional Report Surplus Deficit | 8269 | 7041 | 6470 | 7281 | 7328 | 11417 | 13492 | 13769 | 13274 | 9215 | 13953 | 12144 | 10974 | 9144 | 10362 |
| 38 1966 Regional Report Surplus Deficit | 7396 | 6922 | 4612 | 6360 | 6386 | 6282 | 5960 | 6355 | 5924 | 13436 | 8686 | 6820 | 9036 | 8818 | 7062 |
| 39 1967 Regional Report Surplus Deficit | 6058 | 3599 | 4317 | 5307 | 5827 | 7116 | 10358 | 10691 | 10650 | 8132 | 4101 | 9248 | 14403 | 12210 | 8408 |
| 40 1968 Regional Report Surplus Deficit | 6440 | 5613 | 5022 | 6548 | 7117 | 6535 | 8886 | 9542 | 9684 | 5237 | 5495 | 6316 | 12259 | 9850 | 7750 |
| 41 1969 Regional Report Surplus Deficit | 6596 | 5749 | 7600 | 7908 | 9456 | 8428 | 11488 | 11786 | 10652 | 13547 | 13717 | 12929 | 11928 | 9257 | 10082 |
| 42 1970 Regional Report Surplus Deficit | 4958 | 3404 | 4720 | 6046 | 6456 | 4770 | 7844 | 7731 | 6272 | 6359 | 6168 | 9751 | 13036 | 5752 | 6885 |
| 43 1971 Regional Report Surplus Deficit | 4598 | 3353 | 4327 | 5335 | 6186 | 5576 | 12219 | 14506 | 12993 | 13061 | 12374 | 12645 | 14947 | 13518 | 9876 |
| 44 1972 Regional Report Surplus Deficit | 8341 | 8356 | 5580 | 6751 | 6778 | 7160 | 11563 | 13847 | 16220 | 16047 | 11122 | 12521 | 14712 | 13945 | 10901 |
| 45 1973 Regional Report Surplus Deficit | 9272 | 8881 | 6097 | 6624 | 6439 | 6869 | 6661 | 5046 | 4642 | 3643 | 4856 | 6066 | 3718 | 4989 | 5888 |
| 46 1974 Regional Report Surplus Deficit | 3408 | 2426 | 4115 | 5348 | 6210 | 8109 | 14545 | 14351 | 14960 | 14608 | 13822 | 12196 | 14831 | 14915 | 10534 |
| 47 1975 Regional Report Surplus Deficit | 8958 | 8811 | 5725 | 5349 | 6299 | 5167 | 7922 | 8323 | 8620 | 6587 | 6777 | 11200 | 14189 | 13823 | 8520 |
| 48 1976 Regional Report Surplus Deficit | 6577 | 6668 | 6069 | 8166 | 10153 | 13078 | 11521 | 11952 | 12141 | 13874 | 11924 | 12662 | 12090 | 12917 | 10853 |
| 49 1977 Regional Report Surplus Deficit | 10378 | 10611 | 10445 | 6370 | 6038 | 4159 | 2731 | 3700 | 3951 | 3093 | 3834 | 2966 | 608 | 3282 | 4858 |
| 50 1978 Regional Report Surplus Deficit | 3424 | 2316 | 2951 | 4342 | 5826 | 5854 | 6239 | 6913 | 7635 | 12776 | 9719 | 10804 | 7781 | 9562 | 6832 |
| 51 1979 Regional Report Surplus Deficit | 4658 | 3727 | 7891 | 6408 | 6279 | 4631 | 4596 | 4081 | 7708 | 4919 | 7207 | 9725 | 7328 | 3321 | 6024 |
| 52 1980 Regional Report Surplus Deficit | 3410 | 2551 | 4699 | 5239 | 5650 | 3746 | 4323 | 4723 | 4623 | 8161 | 10168 | 12645 | 12093 | 7012 | 6404 |
| 53 1981 Regional Report Surplus Deficit | 3753 | 2605 | 4985 | 5237 | 6348 | 9747 | 10329 | 10596 | 7138 | 3323 | 6956 | 8778 | 13458 | 11221 | 7996 |
| 54 1982 Regional Report Surplus Deficit | 8098 | 6913 | 4951 | 5800 | 6886 | 6664 | 8752 | 14272 | 14744 | 12573 | 10743 | 12173 | 13678 | 14396 | 10096 |

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 55 1983 Regional Report Surplus Deficit | 8262 | 7973 | 7095 | 7596 | 7076 | 7851 | 10551 | 11619 | 12878 | 10753 | 9144 | 11000 | 12098 | 12470 | 9851 |
| 56 1984 Regional Report Surplus Deficit | 8196 | 6425 | 5730 | 6221 | 10668 | 8168 | 9472 | 10057 | 9711 | 13025 | 12589 | 10648 | 13442 | 11076 | 9592 |
| 57 1985 Regional Report Surplus Deficit | 7568 | 5013 | 5858 | 6341 | 7506 | 6184 | 5407 | 5657 | 5633 | 9895 | 10958 | 9859 | 7357 | 4991 | 6788 |
| 58 1986 Regional Report Surplus Deficit | 2717 | 1875 | 4785 | 5582 | 9268 | 6334 | 8603 | 10483 | 14081 | 13936 | 13168 | 8968 | 10320 | 6780 | 8391 |
| 59 1987 Regional Report Surplus Deficit | 4368 | 2853 | 4147 | 5202 | 6772 | 6389 | 4707 | 5247 | 6191 | 4512 | 6847 | 8197 | 6615 | 4350 | 5591 |
| 60 1988 Regional Report Surplus Deficit | 2809 | 1952 | 3754 | 4884 | 5421 | 3549 | 2117 | 1522 | 4052 | 4391 | 6361 | 5775 | 3333 | 5946 | 4024 |
| 61 1989 Regional Report Surplus Deficit | 3620 | 2499 | 3838 | 4928 | 6836 | 4465 | 2566 | 3039 | 6458 | 8415 | 13307 | 9234 | 7522 | 5178 | 5668 |
| 62 1990 Regional Report Surplus Deficit | 3583 | 2641 | 4409 | 5340 | 7031 | 7189 | 8625 | 8808 | 9005 | 8307 | 11909 | 8467 | 11742 | 8674 | 7692 |
| 63 1991 Regional Report Surplus Deficit | 6764 | 6184 | 4124 | 5180 | 10507 | 8345 | 9743 | 10060 | 9942 | 9570 | 8363 | 9403 | 11057 | 12798 | 8875 |
| 64 1992 Regional Report Surplus Deficit | 8250 | 6317 | 4093 | 5216 | 6135 | 3615 | 3564 | 4353 | 6818 | 4113 | 4033 | 5314 | 2630 | 3337 | 4708 |
| 65 1993 Regional Report Surplus Deficit | 2973 | 2007 | 3683 | 4842 | 5555 | 3229 | 1402 | 1001 | 5347 | 6280 | 7282 | 9828 | 8855 | 5848 | 4921 |
| 66 1994 Regional Report Surplus Deficit | 4792 | 3404 | 4720 | 5220 | 6027 | 4046 | 935 | 2576 | 5786 | 4083 | 6655 | 6360 | 5220 | 5178 | 4635 |
| 67 1995 Regional Report Surplus Deficit | 3505 | 2087 | 4059 | 5078 | 5246 | 4473 | 4768 | 7181 | 7579 | 9791 | 6840 | 9094 | 12424 | 7801 | 6550 |
| 68 1996 Regional Report Surplus Deficit | 4676 | 3310 | 5263 | 6952 | 12209 | 14654 | 13922 | 15044 | 15412 | 13912 | 14584 | 12334 | 12062 | 12567 | 11531 |
| 69 1997 Regional Report Surplus Deficit | 7866 | 6274 | 5091 | 5857 | 7004 | 8509 | 13803 | 14940 | 15415 | 14570 | 14461 | 12723 | 14561 | 13814 | 11083 |
| 70 1998 Regional Report Surplus Deficit | 8173 | 8485 | 7539 | 11049 | 9192 | 6582 | 6956 | 7486 | 7324 | 7798 | 8728 | 12784 | 13787 | 8913 | 9023 |
| 71 1999 Regional Report Surplus Deficit | 5757 | 3585 | 4474 | 5436 | 5749 | 8097 | 11681 | 12483 | 13163 | 10651 | 12091 | 10482 | 14057 | 13991 | 9619 |
| 72 2000 Regional Report Surplus Deficit | 9898 | 8763 | 5891 | 5924 | 11015 | 9433 | 7724 | 7935 | 8332 | 12412 | 13292 | 10547 | 7030 | 7883 | 8657 |
| 73 2001 Regional Report Surplus Deficit | 5345 | 2671 | 3896 | 5353 | 5480 | 3946 | 1793 | 2973 | 3583 | 3775 | 4081 | 4307 | 289 | 3633 | 3603 |
| 74 2002 Regional Report Surplus Deficit | 3197 | 2327 | 2907 | 4186 | 5284 | 4223 | 3251 | 3724 | 5116 | 7261 | 11061 | 8426 | 13025 | 10887 | 6081 |
| 75 2003 Regional Report Surplus Deficit | 4828 | 3533 | 4583 | 5138 | 6011 | 3580 | 2359 | 3019 | 7728 | 6966 | 7786 | 7789 | 10502 | 4878 | 5598 |
| 76 2004 Regional Report Surplus Deficit | 2937 | 1937 | 3313 | 5249 | 6790 | 4983 | 4063 | 3705 | 5271 | 5830 | 6816 | 7431 | 6443 | 5892 | 5163 |
| 77 2005 Regional Report Surplus Deficit | 3836 | 3453 | 6210 | 6192 | 6166 | 6592 | 6837 | 5300 | 4264 | 3471 | 5970 | 8014 | 7364 | 6223 | 5964 |
| 78 2006 Regional Report Surplus Deficit | 4449 | 2351 | 4113 | 4858 | 5855 | 5949 | 9428 | 9278 | 8630 | 12816 | 13217 | 12323 | 12985 | 7423 | 8082 |
| 79 2007 Regional Report Surplus Deficit | 3823 | 2976 | 3631 | 4901 | 7880 | 5298 | 7412 | 7832 | 9553 | 11190 | 8117 | 8692 | 8839 | 7929 | 7073 |
| 80 2008 Regional Report Surplus Deficit | 4092 | 2117 | 3417 | 5366 | 6401 | 3965 | 3367 | 4482 | 5177 | 6361 | 3510 | 10626 | 14778 | 9810 | 6286 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 4306 | 3070 | 4093 | 5184 | 5745 | 3963 | 1676 | 2573 | 3488 | 4084 | 4783 | 5016 | 3066 | 4254 | 3937 |
| 82 Middle 80 pct | 5566 | 4406 | 4979 | 5932 | 6931 | 6158 | 6786 | 7355 | 8011 | 8943 | 9215 | 9756 | 10732 | 8750 | 7448 |
| 83 Top 10 pct | 7059 | 5969 | 5353 | 6978 | 8743 | 10750 | 12964 | 13808 | 14278 | 13653 | 13326 | 12420 | 13060 | 12662 | 10901 |

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: 9/20/2016

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 1929 Regional Report Surplus Deficit | 5066 | 5359 | 3873 | 5018 | 5943 | 3923 | 1705 | 2913 | 3135 | 4430 | 5321 | 5282 | 6646 | 2457 | 4245 |
| 2 1930 Regional Report Surplus Deficit | 3365 | 2375 | 4351 | 4610 | 5412 | 3122 | 592 | 3762 | 3482 | 5210 | 5749 | 4626 | 3565 | 4497 | 3854 |
| 3 1931 Regional Report Surplus Deficit | 3665 | 2479 | 4162 | 4645 | 5633 | 3640 | 388 | 1524 | 4415 | 4858 | 986 | 5373 | 2626 | 4822 | 3609 |
| 4 1932 Regional Report Surplus Deficit | 3341 | 2686 | 3667 | 4585 | 4602 | 3638 | 1091 | 1008 | 6297 | 11701 | 12488 | 11826 | 12482 | 7538 | 5989 |
| 5 1933 Regional Report Surplus Deficit | 5224 | 4190 | 4954 | 4822 | 6336 | 6390 | 7830 | 8145 | 7981 | 7422 | 6887 | 8884 | 14179 | 12532 | 7819 |
| 6 1934 Regional Report Surplus Deficit | 7856 | 6639 | 5089 | 6829 | 11527 | 12712 | 13112 | 13044 | 12666 | 14258 | 11982 | 10108 | 8931 | 5431 | 9969 |
| 7 1935 Regional Report Surplus Deficit | 2824 | 1943 | 3795 | 4780 | 5858 | 4503 | 7577 | 7838 | 7594 | 4671 | 7123 | 8224 | 8591 | 8516 | 6289 |
| 8 1936 Regional Report Surplus Deficit | 6495 | 3241 | 3620 | 4583 | 5360 | 3581 | 450 | 2867 | 3827 | 5815 | 10424 | 11853 | 11908 | 5742 | 5557 |
| 9 1937 Regional Report Surplus Deficit | 3718 | 2313 | 3898 | 4559 | 5465 | 3783 | 400 | 1546 | 2990 | 4736 | 1999 | 6231 | 6054 | 4063 | 3782 |
| 10 1938 Regional Report Surplus Deficit | 3788 | 2278 | 4103 | 4766 | 6357 | 4719 | 6807 | 7179 | 8564 | 10642 | 13831 | 12026 | 10460 | 7824 | 7328 |
| 11 1939 Regional Report Surplus Deficit | 3272 | 2459 | 4543 | 4785 | 5342 | 3837 | 4702 | 4442 | 4585 | 7827 | 9583 | 8297 | 5724 | 5196 | 5246 |
| 12 1940 Regional Report Surplus Deficit | 3242 | 2077 | 4270 | 4840 | 6010 | 5414 | 3162 | 4849 | 9175 | 7906 | 7640 | 7758 | 6038 | 4120 | 5502 |
| 13 1941 Regional Report Surplus Deficit | 2366 | 1709 | 3826 | 4689 | 5309 | 3862 | 1577 | 3209 | 3388 | 3126 | 4534 | 5858 | 5315 | 4245 | 3925 |
| 14 1942 Regional Report Surplus Deficit | 3371 | 2321 | 4324 | 4740 | 6087 | 7085 | 5314 | 5575 | 4403 | 5297 | 7785 | 7361 | 8897 | 9872 | 6085 |
| 15 1943 Regional Report Surplus Deficit | 4807 | 4312 | 5389 | 4813 | 5549 | 5148 | 8013 | 8175 | 9075 | 15548 | 14138 | 10455 | 14053 | 12129 | 8502 |
| 16 1944 Regional Report Surplus Deficit | 6667 | 4336 | 4134 | 4967 | 5754 | 4152 | 2315 | 3391 | 2750 | 3739 | 5306 | 3623 | 2102 | 3131 | 3859 |
| 17 1945 Regional Report Surplus Deficit | 3162 | 2408 | 3699 | 4445 | 5050 | 3501 | 1259 | 2693 | 3413 | 3959 | 2654 | 8823 | 10953 | 3468 | 4444 |
| 18 1946 Regional Report Surplus Deficit | 3215 | 2267 | 4035 | 4776 | 6255 | 5687 | 6297 | 6995 | 7946 | 11990 | 13904 | 12079 | 10919 | 9642 | 7517 |
| 19 1947 Regional Report Surplus Deficit | 5602 | 4974 | 4881 | 4895 | 7479 | 10315 | 10046 | 10470 | 10191 | 10195 | 9619 | 10939 | 10926 | 8892 | 8679 |
| 20 1948 Regional Report Surplus Deficit | 5041 | 3910 | 4683 | 9848 | 9954 | 7343 | 9547 | 8181 | 8187 | 8734 | 11472 | 13046 | 14358 | 10677 | 9198 |
| 21 1949 Regional Report Surplus Deficit | 8542 | 7487 | 5673 | 5469 | 6880 | 4821 | 5149 | 5346 | 10911 | 10002 | 12736 | 12289 | 11440 | 4498 | 7653 |
| 22 1950 Regional Report Surplus Deficit | 3362 | 1954 | 3941 | 4950 | 5535 | 5530 | 9399 | 11659 | 10827 | 13201 | 11615 | 10441 | 14186 | 14002 | 8774 |
| 23 1951 Regional Report Surplus Deficit | 8808 | 7648 | 5475 | 7405 | 11204 | 11370 | 12401 | 13949 | 14142 | 14051 | 12697 | 12032 | 11039 | 11415 | 10993 |
| 24 1952 Regional Report Surplus Deficit | 6274 | 4424 | 5041 | 8932 | 8684 | 7781 | 8455 | 9132 | 9389 | 12286 | 14543 | 13297 | 11777 | 8335 | 9123 |
| 25 1953 Regional Report Surplus Deficit | 5587 | 2971 | 3565 | 4790 | 5512 | 3980 | 3318 | 10706 | 6510 | 6348 | 6825 | 10007 | 14320 | 11741 | 7082 |
| 26 1954 Regional Report Surplus Deficit | 6094 | 5106 | 4846 | 5368 | 7634 | 6879 | 8287 | 11239 | 10264 | 9748 | 9504 | 11354 | 12808 | 13791 | 8963 |
| 27 1955 Regional Report Surplus Deficit | 9499 | 9358 | 8862 | 5681 | 9000 | 6322 | 3607 | 5626 | 2711 | 5849 | 5633 | 7892 | 14286 | 13221 | 7691 |
| 28 1956 Regional Report Surplus Deficit | 8017 | 5430 | 4475 | 6711 | 10294 | 10773 | 12059 | 12533 | 12574 | 12720 | 14277 | 13026 | 14416 | 11898 | 10736 |
| 29 1957 Regional Report Surplus Deficit | 7339 | 6561 | 5097 | 6153 | 6946 | 7193 | 6334 | 5243 | 9413 | 11923 | 8703 | 13519 | 14236 | 7071 | 8210 |
| 30 1958 Regional Report Surplus Deficit | 4239 | 3191 | 4619 | 4930 | 5881 | 4898 | 7166 | 8374 | 8155 | 8391 | 10025 | 12511 | 13052 | 6379 | 7392 |
| 31 1959 Regional Report Surplus Deficit | 4734 | 2970 | 4125 | 5257 | 8811 | 9543 | 10944 | 10940 | 10726 | 11601 | 9302 | 10305 | 13024 | 12287 | 9178 |
| 32 1960 Regional Report Surplus Deficit | 7409 | 7250 | 9765 | 11306 | 11859 | 8869 | 7083 | 7875 | 8316 | 16119 | 11516 | 8305 | 11651 | 8853 | 9571 |
| 33 1961 Regional Report Surplus Deficit | 5541 | 3285 | 4240 | 5179 | 7416 | 5333 | 7124 | 9154 | 11135 | 9525 | 7363 | 11114 | 12763 | 6341 | 7705 |
| 34 1962 Regional Report Surplus Deficit | 5264 | 3427 | 3976 | 4747 | 6122 | 5221 | 6246 | 6937 | 4217 | 13099 | 13981 | 10289 | 10127 | 6791 | 6860 |
| 35 1963 Regional Report Surplus Deficit | 5020 | 4313 | 3945 | 6221 | 9127 | 8677 | 8057 | 8620 | 6232 | 5829 | 6646 | 8989 | 9982 | 8124 | 7400 |
| 36 1964 Regional Report Surplus Deficit | 4369 | 3695 | 5097 | 4849 | 6725 | 5220 | 4611 | 4969 | 4993 | 10347 | 6439 | 9794 | 14445 | 12956 | 7169 |
| 37 1965 Regional Report Surplus Deficit | 7488 | 6786 | 6325 | 6621 | 7959 | 10995 | 13366 | 13685 | 12889 | 9249 | 14139 | 12142 | 11426 | 8769 | 10240 |
| 38 1966 Regional Report Surplus Deficit | 7140 | 6696 | 4465 | 5676 | 7029 | 5693 | 5641 | 6212 | 5494 | 13361 | 8361 | 6911 | 9597 | 8525 | 6910 |
| 39 1967 Regional Report Surplus Deficit | 5809 | 3384 | 4175 | 4801 | 5871 | 6995 | 10121 | 10339 | 10179 | 8156 | 3772 | 9550 | 14015 | 11869 | 8198 |
| 40 1968 Regional Report Surplus Deficit | 6185 | 5362 | 4880 | 5862 | 7756 | 5946 | 7558 | 10004 | 9972 | 5382 | 5165 | 6405 | 12548 | 9576 | 7615 |
| 41 1969 Regional Report Surplus Deficit | 6341 | 5511 | 7475 | 7264 | 10076 | 7843 | 11315 | 11682 | 10141 | 13459 | 13917 | 13091 | 12294 | 8801 | 9946 |
| 42 1970 Regional Report Surplus Deficit | 4705 | 3190 | 4578 | 5534 | 6648 | 4485 | 7211 | 7733 | 6277 | 6390 | 5849 | 9859 | 13369 | 5396 | 6746 |
| 43 1971 Regional Report Surplus Deficit | 4342 | 3102 | 4185 | 4864 | 5923 | 5991 | 12166 | 14390 | 12667 | 12792 | 12529 | 12777 | 14573 | 12957 | 9716 |
| 44 1972 Regional Report Surplus Deficit | 8085 | 8101 | 5437 | 6141 | 7364 | 6557 | 11357 | 13909 | 16111 | 16524 | 11757 | 12597 | 14448 | 13061 | 10754 |
| 45 1973 Regional Report Surplus Deficit | 9016 | 8622 | 5955 | 6030 | 7022 | 6276 | 6334 | 5501 | 4089 | 4294 | 4532 | 6074 | 4428 | 4373 | 5781 |
| 46 1974 Regional Report Surplus Deficit | 3162 | 2211 | 3972 | 5173 | 6158 | 7892 | 14385 | 14968 | 14881 | 14544 | 13946 | 12363 | 14414 | 14121 | 10419 |
| 47 1975 Regional Report Surplus Deficit | 8702 | 8554 | 5583 | 5363 | 5498 | 5624 | 7344 | 8337 | 8591 | 6625 | 6448 | 11407 | 14234 | 13193 | 8365 |
| 48 1976 Regional Report Surplus Deficit | 6321 | 6410 | 5923 | 7526 | 10769 | 12774 | 11348 | 11926 | 11833 | 13680 | 11939 | 12780 | 12422 | 12380 | 10734 |
| 49 1977 Regional Report Surplus Deficit | 10492 | 10330 | 10084 | 5684 | 5815 | 3487 | 2951 | 3747 | 3453 | 3174 | 3473 | 3111 | 1295 | 3193 | 4714 |
| 50 1978 Regional Report Surplus Deficit | 3212 | 2102 | 2809 | 3454 | 5410 | 5758 | 6005 | 6799 | 7441 | 12680 | 9392 | 11093 | 8517 | 9242 | 6680 |
| 51 1979 Regional Report Surplus Deficit | 4402 | 3468 | 7791 | 5731 | 6667 | 3817 | 2711 | 6399 | 7131 | 5362 | 6875 | 9891 | 8075 | 3200 | 5939 |
| 52 1980 Regional Report Surplus Deficit | 3164 | 2336 | 4557 | 4834 | 5514 | 3786 | 4573 | 3999 | 4217 | 7833 | 10328 | 12872 | 12877 | 6153 | 6260 |
| 53 1981 Regional Report Surplus Deficit | 3501 | 2380 | 4843 | 4755 | 6757 | 9349 | 10076 | 10395 | 6578 | 3747 | 6502 | 8994 | 13211 | 10724 | 7800 |
| 54 1982 Regional Report Surplus Deficit | 7420 | 6661 | 4809 | 5272 | 7370 | 6064 | 8521 | 14303 | 14492 | 12538 | 10366 | 12201 | 13846 | 13871 | 9917 |

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 55 1983 Regional Report Surplus Deficit | 7574 | 7718 | 6965 | 6937 | 7717 | 7262 | 10331 | 11397 | 13047 | 10684 | 8816 | 10714 | 12290 | 12031 | 9669 |
| 56 1984 Regional Report Surplus Deficit | 7939 | 6168 | 5588 | 5743 | 11128 | 7568 | 9381 | 10046 | 9662 | 12966 | 12173 | 10617 | 13608 | 10549 | 9440 |
| 57 1985 Regional Report Surplus Deficit | 7315 | 4762 | 5716 | 5862 | 8001 | 5575 | 5051 | 5722 | 5736 | 9655 | 10696 | 10066 | 7563 | 4717 | 6674 |
| 58 1986 Regional Report Surplus Deficit | 2471 | 1660 | 4641 | 6369 | 8815 | 5750 | 7662 | 10130 | 14370 | 14068 | 12797 | 9036 | 11143 | 6381 | 8292 |
| 59 1987 Regional Report Surplus Deficit | 4120 | 2639 | 4004 | 5332 | 6836 | 5688 | 3727 | 4913 | 6755 | 4549 | 6518 | 8283 | 7414 | 4136 | 5496 |
| 60 1988 Regional Report Surplus Deficit | 2563 | 1739 | 3612 | 4379 | 4856 | 3297 | 1184 | 1419 | 4059 | 4304 | 5949 | 5842 | 4508 | 5638 | 3844 |
| 61 1989 Regional Report Surplus Deficit | 3374 | 2285 | 3696 | 4820 | 6150 | 4506 | 2280 | 1739 | 6211 | 8462 | 13765 | 9282 | 8101 | 5390 | 5510 |
| 62 1990 Regional Report Surplus Deficit | 3352 | 2410 | 4267 | 4812 | 7213 | 6930 | 7182 | 9509 | 9326 | 8348 | 12180 | 8399 | 11793 | 8397 | 7560 |
| 63 1991 Regional Report Surplus Deficit | 6508 | 5929 | 3981 | 4947 | 11115 | 7750 | 9313 | 9652 | 9637 | 10536 | 7998 | 9497 | 11470 | 12079 | 8736 |
| 64 1992 Regional Report Surplus Deficit | 7571 | 6064 | 3950 | 4906 | 5243 | 3615 | 2847 | 5343 | 5879 | 4049 | 4224 | 5408 | 3289 | 3487 | 4575 |
| 65 1993 Regional Report Surplus Deficit | 2726 | 1793 | 3540 | 4199 | 5279 | 2915 | 1005 | 802 | 5080 | 6326 | 6979 | 9891 | 9976 | 5393 | 4752 |
| 66 1994 Regional Report Surplus Deficit | 4535 | 3148 | 4577 | 4687 | 5730 | 3701 | 1500 | 2707 | 4741 | 4120 | 6326 | 6422 | 6850 | 4644 | 4549 |
| 67 1995 Regional Report Surplus Deficit | 3258 | 1872 | 3917 | 4461 | 5157 | 4586 | 4405 | 6621 | 7123 | 9744 | 6512 | 9333 | 12887 | 7523 | 6377 |
| 68 1996 Regional Report Surplus Deficit | 4421 | 3092 | 5121 | 6606 | 12692 | 14136 | 13772 | 15124 | 15745 | 13850 | 14753 | 12539 | 12459 | 12010 | 11504 |
| 69 1997 Regional Report Surplus Deficit | 7194 | 6050 | 4949 | 5279 | 7551 | 7914 | 13824 | 15224 | 15304 | 14514 | 14505 | 12833 | 14209 | 13167 | 10930 |
| 70 1998 Regional Report Surplus Deficit | 7467 | 8227 | 7402 | 10470 | 9810 | 5992 | 5774 | 8185 | 6712 | 7754 | 8401 | 12479 | 14023 | 7991 | 8723 |
| 71 1999 Regional Report Surplus Deficit | 5505 | 3371 | 4332 | 5412 | 5628 | 7782 | 11381 | 12477 | 12677 | 10562 | 11756 | 10551 | 14100 | 13350 | 9427 |
| 72 2000 Regional Report Surplus Deficit | 9660 | 8508 | 5749 | 5346 | 11498 | 8930 | 7433 | 7596 | 8220 | 12355 | 13630 | 10524 | 7415 | 7404 | 8510 |
| 73 2001 Regional Report Surplus Deficit | 5099 | 2457 | 3754 | 4931 | 5355 | 3941 | 1816 | 2826 | 2948 | 3811 | 3747 | 4727 | 1165 | 3179 | 3517 |
| 74 2002 Regional Report Surplus Deficit | 2950 | 2113 | 2765 | 3117 | 4950 | 4074 | 2921 | 3540 | 4803 | 7300 | 11010 | 8467 | 12969 | 10715 | 5828 |
| 75 2003 Regional Report Surplus Deficit | 4575 | 3283 | 4441 | 4658 | 5683 | 3329 | 2044 | 3095 | 7305 | 7003 | 7457 | 7870 | 11753 | 4402 | 5470 |
| 76 2004 Regional Report Surplus Deficit | 2691 | 1723 | 3171 | 4826 | 6574 | 5164 | 3290 | 2637 | 4945 | 5868 | 6487 | 7528 | 7942 | 5794 | 5023 |
| 77 2005 Regional Report Surplus Deficit | 3586 | 3232 | 6063 | 5514 | 6771 | 6042 | 5095 | 6753 | 4127 | 4148 | 5661 | 8084 | 8224 | 5276 | 5843 |
| 78 2006 Regional Report Surplus Deficit | 4201 | 2137 | 3971 | 4486 | 6052 | 5152 | 9373 | 8864 | 8368 | 12608 | 13217 | 12043 | 12807 | 6881 | 7819 |
| 79 2007 Regional Report Surplus Deficit | 3576 | 2762 | 3489 | 4244 | 7606 | 5767 | 7224 | 6564 | 10548 | 11104 | 7612 | 9334 | 8700 | 7635 | 6967 |
| 80 2008 Regional Report Surplus Deficit | 3845 | 1903 | 3275 | 4730 | 5907 | 3919 | 3419 | 3868 | 5260 | 6489 | 3176 | 10604 | 14415 | 9386 | 6039 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 4063 | 2846 | 3951 | 4725 | 5466 | 3715 | 1247 | 2574 | 3396 | 4277 | 4199 | 5195 | 3998 | 4004 | 3829 |
| 82 Middle 80 pct | 5277 | 4173 | 4836 | 5443 | 7033 | 5895 | 6346 | 7333 | 7796 | 8980 | 9051 | 9851 | 11064 | 8291 | 7293 |
| 83 Top 10 pct | 6687 | 5716 | 5210 | 6433 | 9249 | 10302 | 12814 | 13915 | 14185 | 13641 | 13502 | 12539 | 13104 | 12103 | 10789 |

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2016 White Book Report Date: 9/20/2016

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 4801 | 4454 | 3823 | 4744 | 5688 | 3005 | 291 | 1399 | 1603 | 3809 | 4707 | 4230 | 4210 | 933 | 3236 |
| 2 1930 Regional Report Surplus Deficit | 3065 | 2193 | 3507 | 4336 | 5157 | 2203 | -823 | 2216 | 1961 | 4613 | 5159 | 3584 | 1137 | 2974 | 2808 |
| 3 1931 Regional Report Surplus Deficit | 3099 | 2190 | 3397 | 4371 | 5378 | 2722 | -1018 | 19.1 | 2911 | 4284 | 418 | 4334 | 198 | 3299 | 2567 |
| 4 1932 Regional Report Surplus Deficit | 3188 | 2066 | 3294 | 4311 | 4346 | 2720 | -321 | -496 | 4752 | 11084 | 11877 | 10886 | 10132 | 6014 | 4997 |
| 5 1933 Regional Report Surplus Deficit | 4818 | 3919 | 4292 | 4548 | 6080 | 5472 | 6167 | 6857 | 6439 | 7071 | 6305 | 7800 | 12098 | 11002 | 6811 |
| 6 1934 Regional Report Surplus Deficit | 7646 | 6602 | 4954 | 6555 | 11272 | 11793 | 11678 | 11560 | 11138 | 13690 | 11404 | 9068 | 6576 | 3907 | 8994 |
| 7 1935 Regional Report Surplus Deficit | 2243 | 1864 | 2811 | 4506 | 5603 | 3585 | 6050 | 6158 | 6384 | 4032 | 6490 | 7149 | 6193 | 6993 | 5224 |
| 8 1936 Regional Report Surplus Deficit | 5971 | 2868 | 3415 | 4309 | 5105 | 2663 | -994 | 1321 | 2283 | 5177 | 9792 | 10712 | 9429 | 4219 | 4533 |
| 9 1937 Regional Report Surplus Deficit | 2793 | 1956 | 3105 | 4286 | 5210 | 2865 | -1008 | 28.9 | 1449 | 4097 | 1367 | 5164 | 3606 | 2540 | 2707 |
| 10 1938 Regional Report Surplus Deficit | 3311 | 2025 | 3552 | 4492 | 6101 | 3801 | 5361 | 5656 | 6939 | 10054 | 13263 | 10949 | 8044 | 6302 | 6285 |
| 11 1939 Regional Report Surplus Deficit | 2795 | 2212 | 3914 | 4511 | 5087 | 2919 | 2833 | 2943 | 3542 | 7237 | 9000 | 7251 | 3296 | 3673 | 4216 |
| 12 1940 Regional Report Surplus Deficit | 2774 | 1786 | 3290 | 4567 | 5755 | 4496 | 1725 | 3303 | 7630 | 7267 | 7007 | 6708 | 3609 | 2596 | 4427 |
| 13 1941 Regional Report Surplus Deficit | 2143 | 1537 | 3123 | 4415 | 5054 | 2944 | 154 | 1666 | 1853 | 2519 | 3934 | 4783 | 2877 | 2722 | 2890 |
| 14 1942 Regional Report Surplus Deficit | 2885 | 2007 | 3715 | 4466 | 5832 | 6167 | 3877 | 4029 | 2878 | 4665 | 7161 | 6250 | 6680 | 8401 | 5057 |
| 15 1943 Regional Report Surplus Deficit | 4564 | 4038 | 4654 | 4540 | 5294 | 4230 | 6569 | 6629 | 7530 | 14867 | 13463 | 9325 | 11835 | 10586 | 7461 |
| 16 1944 Regional Report Surplus Deficit | 5293 | 3917 | 3925 | 4693 | 5498 | 3234 | 905 | 1864 | 1218 | 3129 | 4702 | 2560 | -360 | 1608 | 2807 |
| 17 1945 Regional Report Surplus Deficit | 2609 | 2046 | 3137 | 4172 | 4795 | 2583 | -151 | 1148 | 1882 | 3356 | 2058 | 7708 | 8517 | 1945 | 3400 |
| 18 1946 Regional Report Surplus Deficit | 2657 | 2096 | 3492 | 4503 | 6000 | 4769 | 4853 | 5458 | 6401 | 11367 | 13287 | 11004 | 8521 | 8120 | 6481 |
| 19 1947 Regional Report Surplus Deficit | 5917 | 5721 | 4627 | 4621 | 7224 | 9396 | 8634 | 8762 | 8858 | 9606 | 9036 | 9956 | 8512 | 7368 | 7753 |
| 20 1948 Regional Report Surplus Deficit | 4473 | 3246 | 4525 | 9574 | 9698 | 6425 | 8130 | 6659 | 6660 | 8099 | 10844 | 12024 | 11993 | 9166 | 8185 |
| 21 1949 Regional Report Surplus Deficit | 7890 | 7463 | 5537 | 5196 | 6625 | 3902 | 3739 | 3801 | 9367 | 9362 | 12102 | 11311 | 9038 | 2975 | 6666 |
| 22 1950 Regional Report Surplus Deficit | 2832 | 1676 | 3241 | 4676 | 5280 | 4612 | 7872 | 10216 | 9282 | 12556 | 10976 | 9344 | 12017 | 12445 | 7724 |
| 23 1951 Regional Report Surplus Deficit | 8098 | 7687 | 5340 | 7131 | 10948 | 10452 | 10957 | 12425 | 12562 | 13425 | 12073 | 10985 | 8653 | 9893 | 9984 |
| 24 1952 Regional Report Surplus Deficit | 6431 | 4005 | 4909 | 8658 | 8428 | 6863 | 7015 | 7586 | 7845 | 11592 | 13856 | 12123 | 9284 | 6799 | 8114 |
| 25 1953 Regional Report Surplus Deficit | 4925 | 2863 | 3238 | 4516 | 5257 | 3062 | 1808 | 9219 | 4970 | 5710 | 6192 | 8916 | 12137 | 10373 | 6077 |
| 26 1954 Regional Report Surplus Deficit | 4291 | 4731 | 4713 | 5094 | 7379 | 5961 | 6731 | 9779 | 8694 | 9195 | 8871 | 10243 | 10569 | 12212 | 7895 |
| 27 1955 Regional Report Surplus Deficit | 9087 | 9186 | 8585 | 5408 | 8745 | 5404 | 2172 | 4091 | 1166 | 5211 | 5002 | 6809 | 12009 | 11793 | 6704 |
| 28 1956 Regional Report Surplus Deficit | 7686 | 5766 | 4343 | 6438 | 10039 | 9855 | 10615 | 11007 | 11027 | 12075 | 13651 | 11999 | 12042 | 10340 | 9761 |
| 29 1957 Regional Report Surplus Deficit | 6601 | 6641 | 4964 | 5879 | 6691 | 6275 | 4890 | 3697 | 7868 | 11284 | 8070 | 12472 | 11976 | 5548 | 7230 |
| 30 1958 Regional Report Surplus Deficit | 4146 | 2922 | 3743 | 4656 | 5626 | 3980 | 5722 | 6828 | 6610 | 7751 | 9392 | 11386 | 10670 | 4825 | 6331 |
| 31 1959 Regional Report Surplus Deficit | 4314 | 2708 | 3785 | 4983 | 8556 | 8624 | 9500 | 9394 | 9187 | 10992 | 8700 | 9253 | 10757 | 10832 | 8173 |
| 32 1960 Regional Report Surplus Deficit | 7397 | 6961 | 9547 | 11033 | 11604 | 7950 | 5667 | 6329 | 6772 | 15466 | 10868 | 7215 | 9262 | 7330 | 8581 |
| 33 1961 Regional Report Surplus Deficit | 5717 | 2909 | 4086 | 4905 | 7161 | 4414 | 5706 | 7609 | 9591 | 8917 | 6762 | 10004 | 10467 | 4818 | 6724 |
| 34 1962 Regional Report Surplus Deficit | 4249 | 2929 | 3554 | 4473 | 5867 | 4303 | 4823 | 5391 | 2673 | 12461 | 13349 | 9207 | 7705 | 5268 | 5797 |
| 35 1963 Regional Report Surplus Deficit | 5199 | 3895 | 3831 | 5947 | 8871 | 7759 | 6507 | 7275 | 4687 | 5190 | 6013 | 7867 | 7559 | 6601 | 6412 |
| 36 1964 Regional Report Surplus Deficit | 4478 | 3335 | 4930 | 4575 | 6469 | 4301 | 3167 | 3430 | 3449 | 9707 | 5805 | 8713 | 12347 | 11458 | 6212 |
| 37 1965 Regional Report Surplus Deficit | 7635 | 6788 | 6189 | 6347 | 7704 | 10077 | 11922 | 12215 | 11280 | 8540 | 13507 | 11223 | 9069 | 7245 | 9275 |
| 38 1966 Regional Report Surplus Deficit | 7141 | 6416 | 4334 | 5402 | 6773 | 4775 | 4200 | 4668 | 3949 | 12720 | 7726 | 5849 | 7197 | 7002 | 5926 |
| 39 1967 Regional Report Surplus Deficit | 5368 | 3016 | 3996 | 4527 | 5616 | 6076 | 8677 | 9065 | 8341 | 7517 | 3139 | 8448 | 11858 | 10350 | 7193 |
| 40 1968 Regional Report Surplus Deficit | 5906 | 5100 | 4745 | 5589 | 7500 | 5028 | 6123 | 8458 | 8426 | 4798 | 4591 | 5353 | 10169 | 8052 | 6619 |
| 41 1969 Regional Report Surplus Deficit | 6155 | 5444 | 7305 | 6991 | 9821 | 6925 | 9871 | 10157 | 8597 | 12776 | 13240 | 11989 | 9946 | 7278 | 8952 |
| 42 1970 Regional Report Surplus Deficit | 4373 | 2846 | 4330 | 5260 | 6392 | 3566 | 5767 | 6187 | 4732 | 5769 | 5234 | 8795 | 11080 | 3873 | 5741 |
| 43 1971 Regional Report Surplus Deficit | 4004 | 2591 | 3600 | 4590 | 5667 | 5072 | 10622 | 12889 | 11016 | 12334 | 12004 | 11738 | 12303 | 11474 | 8669 |
| 44 1972 Regional Report Surplus Deficit | 7913 | 7839 | 5304 | 5867 | 7109 | 5638 | 9913 | 12384 | 14505 | 15859 | 11097 | 11488 | 12200 | 11499 | 9752 |
| 45 1973 Regional Report Surplus Deficit | 8604 | 8360 | 5819 | 5757 | 6767 | 5358 | 4890 | 3955 | 2544 | 3680 | 3925 | 5017 | 2000 | 2850 | 4779 |
| 46 1974 Regional Report Surplus Deficit | 2937 | 2194 | 3393 | 4899 | 5903 | 6974 | 12933 | 13433 | 13317 | 13843 | 13267 | 11295 | 12302 | 12556 | 9399 |
| 47 1975 Regional Report Surplus Deficit | 8311 | 8407 | 5448 | 5089 | 5243 | 4706 | 6068 | 6588 | 7047 | 5986 | 5815 | 10438 | 11925 | 11621 | 7378 |
| 48 1976 Regional Report Surplus Deficit | 5945 | 5764 | 5787 | 7252 | 10514 | 11856 | 9903 | 10452 | 10201 | 13031 | 11296 | 11790 | 10071 | 10864 | 9721 |
| 49 1977 Regional Report Surplus Deficit | 9685 | 10090 | 10089 | 5410 | 5560 | 2569 | 1530 | 2219 | 1918 | 2600 | 2906 | 2033 | -1133 | 1669 | 3715 |
| 50 1978 Regional Report Surplus Deficit | 2603 | 1735 | 2801 | 3180 | 5155 | 4840 | 4561 | 5253 | 5896 | 12040 | 8757 | 10038 | 6092 | 7717 | 5673 |
| 51 1979 Regional Report Surplus Deficit | 4829 | 3961 | 6769 | 5457 | 6411 | 2899 | 1273 | 4861 | 5587 | 4752 | 6268 | 8808 | 5647 | 1677 | 4928 |
| 52 1980 Regional Report Surplus Deficit | 2559 | 1896 | 3794 | 4560 | 5259 | 2868 | 3129 | 2453 | 2672 | 7211 | 9711 | 11913 | 10473 | 4629 | 5206 |
| 53 1981 Regional Report Surplus Deficit | 2758 | 2272 | 4199 | 4481 | 6501 | 8430 | 8650 | 8849 | 5045 | 3147 | 5903 | 7936 | 11012 | 9224 | 6766 |
| 54 1982 Regional Report Surplus Deficit | 6978 | 6784 | 4674 | 4998 | 7114 | 5146 | 7077 | 12785 | 12941 | 11879 | 9727 | 11195 | 11534 | 12273 | 8924 |

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 55 1983 Regional Report Surplus Deficit | 7591 | 7596 | 6805 | 6663 | 7461 | 6344 | 8887 | 9851 | 11485 | 10042 | 8181 | 9616 | 9830 | 10515 | 8674 |
| 56 1984 Regional Report Surplus Deficit | 7249 | 6795 | 5454 | 5469 | 10873 | 6650 | 7937 | 8500 | 8117 | 12314 | 11526 | 9565 | 11418 | 9021 | 8480 |
| 57 1985 Regional Report Surplus Deficit | 6477 | 4342 | 5582 | 5589 | 7745 | 4657 | 3612 | 4176 | 4192 | 9012 | 10059 | 8993 | 5134 | 3193 | 5646 |
| 58 1986 Regional Report Surplus Deficit | 1767 | 1681 | 3654 | 6095 | 8560 | 4832 | 6218 | 8584 | 12799 | 13271 | 12216 | 7961 | 8822 | 4860 | 7213 |
| 59 1987 Regional Report Surplus Deficit | 3967 | 2152 | 3661 | 5058 | 6581 | 4770 | 2285 | 3367 | 5210 | 3939 | 5941 | 7223 | 4986 | 2612 | 4480 |
| 60 1988 Regional Report Surplus Deficit | 2368 | 1600 | 3589 | 4106 | 4601 | 2378 | -258 | -127 | 2514 | 3700 | 5350 | 4788 | 2078 | 4115 | 2872 |
| 61 1989 Regional Report Surplus Deficit | 3042 | 2039 | 3225 | 4546 | 5895 | 3587 | 883 | 223 | 4677 | 7814 | 13123 | 8198 | 5660 | 3862 | 4494 |
| 62 1990 Regional Report Surplus Deficit | 3056 | 2303 | 3530 | 4538 | 6958 | 6011 | 5776 | 8005 | 7818 | 7760 | 11598 | 7356 | 9378 | 6866 | 6527 |
| 63 1991 Regional Report Surplus Deficit | 6096 | 5263 | 3709 | 4673 | 10860 | 6832 | 7923 | 8198 | 8149 | 9974 | 7454 | 8441 | 9156 | 10569 | 7733 |
| 64 1992 Regional Report Surplus Deficit | 7581 | 5802 | 3819 | 4633 | 4987 | 2697 | 1468 | 3872 | 4410 | 3479 | 3660 | 4365 | 859 | 1963 | 3610 |
| 65 1993 Regional Report Surplus Deficit | 2462 | 1586 | 3008 | 3925 | 5024 | 1996 | -371 | -672 | 3557 | 5696 | 6356 | 8789 | 7262 | 4149 | 3744 |
| 66 1994 Regional Report Surplus Deficit | 4081 | 2887 | 3897 | 4413 | 5475 | 2783 | 113 | 1232 | 3269 | 3555 | 5767 | 5401 | 4411 | 3115 | 3527 |
| 67 1995 Regional Report Surplus Deficit | 2829 | 1744 | 3387 | 4188 | 4901 | 3668 | 3024 | 5144 | 5600 | 9117 | 5892 | 8244 | 10501 | 5988 | 5357 |
| 68 1996 Regional Report Surplus Deficit | 3917 | 2886 | 4553 | 6332 | 12437 | 13218 | 12329 | 13607 | 14187 | 13125 | 14146 | 11505 | 10130 | 10467 | 10459 |
| 69 1997 Regional Report Surplus Deficit | 7103 | 5745 | 4816 | 5005 | 7295 | 6996 | 12376 | 13696 | 13769 | 13883 | 13926 | 11890 | 11976 | 11634 | 9954 |
| 70 1998 Regional Report Surplus Deficit | 7619 | 7965 | 7247 | 10197 | 9555 | 5074 | 4347 | 6633 | 5168 | 7124 | 7777 | 11593 | 11660 | 6450 | 7761 |
| 71 1999 Regional Report Surplus Deficit | 6031 | 3897 | 4155 | 5138 | 5373 | 6864 | 9933 | 10926 | 11131 | 9920 | 11117 | 9457 | 11907 | 11817 | 8498 |
| 72 2000 Regional Report Surplus Deficit | 9493 | 8246 | 5614 | 5072 | 11243 | 8011 | 6005 | 6129 | 6675 | 11722 | 13003 | 9516 | 4973 | 5863 | 7527 |
| 73 2001 Regional Report Surplus Deficit | 5272 | 2194 | 3265 | 4657 | 5100 | 3022 | 428 | 1336 | 1459 | 3218 | 3160 | 3648 | -1308 | 1638 | 2519 |
| 74 2002 Regional Report Surplus Deficit | 2470 | 1830 | 2813 | 2844 | 4695 | 3156 | 1523 | 2034 | 3290 | 6707 | 10423 | 7402 | 10552 | 9198 | 4854 |
| 75 2003 Regional Report Surplus Deficit | 4416 | 3523 | 3561 | 4384 | 5428 | 2411 | 662 | 1616 | 5811 | 6382 | 6841 | 6781 | 9389 | 2863 | 4460 |
| 76 2004 Regional Report Surplus Deficit | 2262 | 1409 | 3426 | 4552 | 6318 | 4245 | 1903 | 1148 | 3457 | 5289 | 5914 | 6468 | 5491 | 4254 | 4069 |
| 77 2005 Regional Report Surplus Deficit | 2345 | 2752 | 5016 | 5240 | 6516 | 5123 | 3706 | 5262 | 2638 | 3566 | 5084 | 7045 | 5803 | 3726 | 4735 |
| 78 2006 Regional Report Surplus Deficit | 3368 | 2107 | 4080 | 4212 | 5797 | 4234 | 7957 | 7347 | 6854 | 11978 | 12593 | 10859 | 10445 | 5304 | 6822 |
| 79 2007 Regional Report Surplus Deficit | 3448 | 2026 | 3516 | 3970 | 7351 | 4849 | 5818 | 5063 | 9039 | 10508 | 7023 | 8280 | 6312 | 6105 | 5984 |
| 80 2008 Regional Report Surplus Deficit | 3370 | 1616 | 3434 | 4456 | 5652 | 3001 | 2019 | 2368 | 3762 | 5903 | 2596 | 9587 | 12214 | 7834 | 5095 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 3604 | 2505 | 3467 | 4451 | 5211 | 2797 | -166 | 1050 | 1871 | 3671 | 3599 | 4136 | 1555 | 2478 | 2801 |
| 82 Middle 80 pct | 4902 | 3956 | 4482 | 5169 | 6778 | 4976 | 4903 | 5813 | 6270 | 8363 | 8438 | 8787 | 8711 | 6772 | 6285 |
| 83 Top 10 pct | 6404 | 5584 | 4966 | 6159 | 8993 | 9383 | 11368 | 12402 | 12606 | 12973 | 12870 | 11522 | 10805 | 10562 | 9788 |

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 3835 | 3009 | 2590 | 3317 | 4236 | 2142 | -158 | 960 | 1461 | 1812 | 3066 | 4382 | 5068 | 554 | 2535 |
| 2 1930 Regional Report Surplus Deficit | 2098 | 747 | 2284 | 2917 | 3728 | 1325 | -1273 | 1776 | 1819 | 2616 | 3518 | 3736 | 1995 | 2593 | 2110 |
| 3 1931 Regional Report Surplus Deficit | 2133 | 745 | 2158 | 2961 | 3937 | 1871 | -1467 | -420 | 2769 | 2286 | -1223 | 4487 | 1056 | 2919 | 1870 |
| 4 1932 Regional Report Surplus Deficit | 2222 | 621 | 2065 | 2897 | 2910 | 1866 | -770 | -935 | 4610 | 8980 | 10130 | 10905 | 10850 | 5634 | 4268 |
| 5 1933 Regional Report Surplus Deficit | 3851 | 2473 | 3068 | 3138 | 4640 | 4616 | 5627 | 6299 | 6239 | 5055 | 4664 | 7931 | 12547 | 10627 | 6057 |
| 6 1934 Regional Report Surplus Deficit | 6680 | 5156 | 3728 | 5143 | 9744 | 10866 | 11109 | 10945 | 10840 | 11570 | 9640 | 9130 | 7433 | 3527 | 8229 |
| 7 1935 Regional Report Surplus Deficit | 1276 | 418 | 1588 | 3089 | 4148 | 2725 | 5504 | 5645 | 6173 | 2035 | 4849 | 7299 | 7049 | 6613 | 4504 |
| 8 1936 Regional Report Surplus Deficit | 5005 | 1423 | 2191 | 2885 | 3670 | 1806 | -1444 | 882 | 2141 | 3179 | 8046 | 10788 | 10289 | 3839 | 3824 |
| 9 1937 Regional Report Surplus Deficit | 1826 | 511 | 1873 | 2867 | 3772 | 2009 | -1458 | -410 | 1307 | 2100 | -274 | 5316 | 4464 | 2160 | 2009 |
| 10 1938 Regional Report Surplus Deficit | 2345 | 579 | 2326 | 3067 | 4644 | 2909 | 4885 | 5156 | 6709 | 7935 | 11500 | 10991 | 8882 | 5921 | 5547 |
| 11 1939 Regional Report Surplus Deficit | 1829 | 767 | 2684 | 3085 | 3637 | 2048 | 2383 | 2712 | 3198 | 5217 | 7353 | 7395 | 4154 | 3293 | 3512 |
| 12 1940 Regional Report Surplus Deficit | 1807 | 340 | 2053 | 3144 | 4318 | 3619 | 1275 | 2863 | 7380 | 5213 | 5366 | 6857 | 4468 | 2216 | 3714 |
| 13 1941 Regional Report Surplus Deficit | 1177 | 91.3 | 1872 | 2989 | 3606 | 2073 | -295 | 1226 | 1711 | 522 | 2293 | 4936 | 3735 | 2342 | 2188 |
| 14 1942 Regional Report Surplus Deficit | 1919 | 561 | 2464 | 3046 | 4388 | 5275 | 3428 | 3590 | 2736 | 2668 | 5510 | 6401 | 7536 | 8021 | 4353 |
| 15 1943 Regional Report Surplus Deficit | 3389 | 2609 | 3415 | 3122 | 3818 | 3338 | 5999 | 6112 | 7288 | 12762 | 11714 | 9376 | 12488 | 10224 | 6691 |
| 16 1944 Regional Report Surplus Deficit | 4327 | 2471 | 2682 | 3259 | 4040 | 2362 | 456 | 1424 | 1076 | 1132 | 3061 | 2713 | 498 | 1227 | 2104 |
| 17 1945 Regional Report Surplus Deficit | 1643 | 600 | 1898 | 2760 | 3328 | 1719 | -600 | 708 | 1740 | 1359 | 417 | 7833 | 9326 | 1565 | 2693 |
| 18 1946 Regional Report Surplus Deficit | 1690 | 651 | 2252 | 3080 | 4537 | 3877 | 4403 | 5007 | 6220 | 9242 | 11518 | 11117 | 9361 | 7739 | 5757 |
| 19 1947 Regional Report Surplus Deficit | 4951 | 4276 | 3379 | 3191 | 5766 | 8456 | 8064 | 8148 | 8553 | 7496 | 7370 | 9965 | 9345 | 6987 | 6987 |
| 20 1948 Regional Report Surplus Deficit | 3506 | 1801 | 3284 | 8096 | 8230 | 5568 | 7560 | 6114 | 6466 | 6031 | 9106 | 12005 | 12599 | 8791 | 7414 |
| 21 1949 Regional Report Surplus Deficit | 6923 | 6016 | 4294 | 3760 | 5167 | 3023 | 3290 | 3361 | 9058 | 7255 | 10351 | 11301 | 9826 | 2594 | 5919 |
| 22 1950 Regional Report Surplus Deficit | 1865 | 230 | 2012 | 3244 | 3828 | 3759 | 7303 | 9601 | 8976 | 10446 | 9224 | 9422 | 12663 | 11944 | 6944 |
| 23 1951 Regional Report Surplus Deficit | 7131 | 6241 | 4100 | 5682 | 9410 | 9483 | 10387 | 11810 | 12256 | 11332 | 10336 | 10925 | 9495 | 9506 | 9200 |
| 24 1952 Regional Report Surplus Deficit | 5464 | 2560 | 3674 | 7146 | 6956 | 5971 | 6450 | 7014 | 7584 | 9535 | 12154 | 12231 | 10125 | 6418 | 7362 |
| 25 1953 Regional Report Surplus Deficit | 3953 | 1412 | 1986 | 3070 | 3789 | 2170 | 1358 | 8605 | 4828 | 3713 | 4551 | 8980 | 12585 | 10010 | 5316 |
| 26 1954 Regional Report Surplus Deficit | 3414 | 3272 | 3454 | 3639 | 5900 | 5069 | 6222 | 9164 | 8392 | 7116 | 7196 | 10225 | 11230 | 11754 | 7114 |
| 27 1955 Regional Report Surplus Deficit | 8109 | 7729 | 7323 | 3962 | 7268 | 4516 | 1723 | 3651 | 1024 | 3214 | 3361 | 6945 | 12644 | 11281 | 5963 |
| 28 1956 Regional Report Surplus Deficit | 6711 | 4248 | 3099 | 5003 | 8538 | 8886 | 10045 | 10393 | 10718 | 9928 | 11861 | 11936 | 12679 | 9975 | 8957 |
| 29 1957 Regional Report Surplus Deficit | 5620 | 5181 | 3707 | 4413 | 5212 | 5383 | 4436 | 3258 | 7616 | 9178 | 6429 | 12502 | 12574 | 5168 | 6472 |
| 30 1958 Regional Report Surplus Deficit | 3179 | 1476 | 2487 | 3191 | 4147 | 3088 | 5243 | 6322 | 6412 | 5719 | 7671 | 11386 | 11419 | 4445 | 5582 |
| 31 1959 Regional Report Surplus Deficit | 3323 | 1238 | 2516 | 3533 | 7077 | 7656 | 8931 | 8779 | 8881 | 8884 | 7041 | 9319 | 11459 | 10452 | 7391 |
| 32 1960 Regional Report Surplus Deficit | 6446 | 5542 | 8291 | 9537 | 10058 | 7002 | 5188 | 5835 | 6602 | 13364 | 9124 | 7366 | 10043 | 6950 | 7835 |
| 33 1961 Regional Report Surplus Deficit | 4750 | 1463 | 2849 | 3472 | 5692 | 3522 | 5222 | 7047 | 9284 | 6827 | 5121 | 10050 | 11216 | 4438 | 5971 |
| 34 1962 Regional Report Surplus Deficit | 3282 | 1483 | 2320 | 3034 | 4390 | 3411 | 4374 | 4917 | 2530 | 10347 | 11591 | 9279 | 8554 | 4888 | 5070 |
| 35 1963 Regional Report Surplus Deficit | 4232 | 2449 | 2605 | 4481 | 7393 | 6826 | 5938 | 6712 | 4545 | 3193 | 4372 | 8004 | 8411 | 6221 | 5679 |
| 36 1964 Regional Report Surplus Deficit | 3511 | 1889 | 3692 | 3142 | 4991 | 3418 | 2718 | 2991 | 3307 | 7602 | 4165 | 8804 | 12836 | 11096 | 5468 |
| 37 1965 Regional Report Surplus Deficit | 6674 | 5218 | 4960 | 4921 | 6225 | 9108 | 11352 | 11601 | 10978 | 6481 | 11754 | 11241 | 9843 | 6865 | 8496 |
| 38 1966 Regional Report Surplus Deficit | 6162 | 4958 | 3098 | 3962 | 5295 | 3882 | 3751 | 4229 | 3807 | 10615 | 6087 | 6000 | 8052 | 6622 | 5213 |
| 39 1967 Regional Report Surplus Deficit | 4401 | 1571 | 2762 | 3101 | 4149 | 5184 | 8107 | 8450 | 8069 | 5520 | 1498 | 8502 | 12340 | 9965 | 6414 |
| 40 1968 Regional Report Surplus Deficit | 4939 | 3655 | 3519 | 4147 | 6052 | 4142 | 5603 | 7844 | 8124 | 2803 | 2949 | 5505 | 10914 | 7672 | 5874 |
| 41 1969 Regional Report Surplus Deficit | 5186 | 3996 | 6073 | 5566 | 8339 | 6033 | 9301 | 9542 | 8291 | 10695 | 11515 | 12079 | 10677 | 6898 | 8186 |
| 42 1970 Regional Report Surplus Deficit | 3406 | 1400 | 3103 | 3812 | 4940 | 2674 | 5291 | 5681 | 4590 | 3771 | 3593 | 8871 | 11800 | 3493 | 5011 |
| 43 1971 Regional Report Surplus Deficit | 3037 | 1145 | 2372 | 3155 | 4189 | 4180 | 10053 | 12275 | 10709 | 10210 | 10236 | 11777 | 12874 | 11075 | 7881 |
| 44 1972 Regional Report Surplus Deficit | 6946 | 6393 | 4052 | 4417 | 5630 | 4746 | 9343 | 11770 | 14190 | 13717 | 9312 | 11428 | 12805 | 11090 | 8952 |
| 45 1973 Regional Report Surplus Deficit | 7637 | 6915 | 4574 | 4316 | 5288 | 4466 | 4440 | 3516 | 2402 | 1683 | 2284 | 5167 | 2858 | 2469 | 4071 |
| 46 1974 Regional Report Surplus Deficit | 1971 | 748 | 2153 | 3460 | 4424 | 6082 | 12363 | 12819 | 13027 | 11779 | 11559 | 11301 | 12900 | 12170 | 8617 |
| 47 1975 Regional Report Surplus Deficit | 7344 | 6961 | 4215 | 3657 | 3788 | 3814 | 5544 | 6079 | 6864 | 3989 | 4175 | 10458 | 12635 | 11214 | 6634 |
| 48 1976 Regional Report Surplus Deficit | 4978 | 4319 | 4549 | 5785 | 8982 | 10887 | 9334 | 9838 | 9894 | 10923 | 9544 | 11843 | 10805 | 10475 | 8934 |
| 49 1977 Regional Report Surplus Deficit | 8678 | 8605 | 8848 | 3974 | 4092 | 1700 | 1081 | 1779 | 1776 | 603 | 1265 | 2186 | -275 | 1289 | 3008 |
| 50 1978 Regional Report Surplus Deficit | 1637 | 290 | 1575 | 1751 | 3677 | 3948 | 4112 | 5170 | 5347 | 9931 | 7086 | 10018 | 6949 | 7339 | 4940 |
| 51 1979 Regional Report Surplus Deficit | 3862 | 2516 | 5523 | 4040 | 4965 | 2030 | 823 | 4422 | 5444 | 2755 | 4627 | 8889 | 6506 | 1297 | 4221 |
| 52 1980 Regional Report Surplus Deficit | 1592 | 451 | 2559 | 3135 | 3789 | 1982 | 2680 | 2014 | 2530 | 5208 | 8033 | 11841 | 11164 | 4249 | 4467 |
| 53 1981 Regional Report Surplus Deficit | 1791 | 826 | 2963 | 3065 | 5054 | 7502 | 8080 | 8235 | 4903 | 1150 | 4262 | 8065 | 11732 | 8846 | 6024 |
| 54 1982 Regional Report Surplus Deficit | 6040 | 5338 | 3450 | 3565 | 5636 | 4254 | 6508 | 12170 | 12604 | 9750 | 7986 | 11210 | 12207 | 11883 | 8143 |

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| 55 1983 Regional Report Surplus Deficit | 6625 | 6150 | 5556 | 5223 | 5988 | 5452 | 8318 | 9237 | 11192 | 7931 | 6520 | 9720 | 10568 | 10114 | 7909 |
| 56 1984 Regional Report Surplus Deficit | 6283 | 5317 | 4201 | 4031 | 9321 | 5758 | 7367 | 7886 | 7811 | 10205 | 9774 | 9624 | 12046 | 8648 | 7691 |
| 57 1985 Regional Report Surplus Deficit | 5511 | 2887 | 4309 | 4125 | 6267 | 3765 | 3163 | 3737 | 4050 | 6912 | 8312 | 9110 | 5991 | 2814 | 4923 |
| 58 1986 Regional Report Surplus Deficit | 799 | 235 | 2382 | 4653 | 7094 | 3946 | 5706 | 7970 | 12522 | 11163 | 10462 | 8076 | 9595 | 4480 | 6455 |
| 59 1987 Regional Report Surplus Deficit | 3001 | 707 | 2400 | 3621 | 5117 | 3894 | 1836 | 2928 | 5068 | 1942 | 4300 | 7378 | 5844 | 2231 | 3774 |
| 60 1988 Regional Report Surplus Deficit | 1402 | 154 | 2355 | 2689 | 3156 | 1486 | -707 | -566 | 2372 | 1703 | 3709 | 4940 | 2936 | 3735 | 2171 |
| 61 1989 Regional Report Surplus Deficit | 2057 | 575 | 1982 | 3141 | 4476 | 2746 | 434 | -216 | 4535 | 5792 | 11381 | 8316 | 6518 | 3482 | 3789 |
| 62 1990 Regional Report Surplus Deficit | 2068 | 836 | 2281 | 3123 | 5531 | 5166 | 5310 | 7417 | 7583 | 5733 | 9844 | 7509 | 10185 | 6489 | 5798 |
| 63 1991 Regional Report Surplus Deficit | 5111 | 3799 | 2463 | 3260 | 9357 | 5932 | 7353 | 7737 | 7796 | 7897 | 5813 | 8518 | 9897 | 10183 | 6974 |
| 64 1992 Regional Report Surplus Deficit | 6606 | 4349 | 2585 | 3231 | 3576 | 1870 | 1019 | 3432 | 4268 | 1482 | 2019 | 4518 | 1717 | 1583 | 2917 |
| 65 1993 Regional Report Surplus Deficit | 1495 | 139 | 1780 | 2523 | 3608 | 1170 | -821 | -1112 | 3415 | 3699 | 4715 | 8865 | 8111 | 3769 | 3045 |
| 66 1994 Regional Report Surplus Deficit | 3092 | 1420 | 2644 | 2995 | 4045 | 1942 | -336 | 792 | 3127 | 1558 | 4126 | 5554 | 5269 | 2734 | 2827 |
| 67 1995 Regional Report Surplus Deficit | 1855 | 291 | 2147 | 2785 | 3488 | 2840 | 2575 | 4959 | 5215 | 7011 | 4251 | 8332 | 11258 | 5608 | 4644 |
| 68 1996 Regional Report Surplus Deficit | 2933 | 1423 | 3299 | 4915 | 10922 | 12297 | 11759 | 12993 | 13838 | 11015 | 12392 | 11484 | 10874 | 10093 | 9672 |
| 69 1997 Regional Report Surplus Deficit | 6117 | 4279 | 3564 | 3589 | 5867 | 6118 | 11807 | 13082 | 13459 | 11708 | 12108 | 11816 | 12744 | 11211 | 9169 |
| 70 1998 Regional Report Surplus Deficit | 6634 | 6501 | 6005 | 8722 | 8117 | 4215 | 3898 | 6100 | 5026 | 5127 | 6136 | 11655 | 12268 | 6070 | 7020 |
| 71 1999 Regional Report Surplus Deficit | 5042 | 2429 | 2903 | 3734 | 3924 | 5963 | 9364 | 10312 | 10823 | 7808 | 9361 | 9536 | 12594 | 11377 | 7720 |
| 72 2000 Regional Report Surplus Deficit | 8506 | 6780 | 4366 | 3658 | 9717 | 7105 | 5490 | 5619 | 6485 | 9634 | 11272 | 9576 | 5830 | 5484 | 6784 |
| 73 2001 Regional Report Surplus Deficit | 4288 | 732 | 2021 | 3245 | 3678 | 2108 | -20.9 | 897 | 1316 | 1220 | 1519 | 3799 | -450 | 1258 | 1816 |
| 74 2002 Regional Report Surplus Deficit | 1488 | 369 | 1573 | 1433 | 3272 | 2322 | 1073 | 1595 | 3148 | 4709 | 8673 | 7539 | 11326 | 8818 | 4145 |
| 75 2003 Regional Report Surplus Deficit | 3443 | 2070 | 2333 | 2987 | 4018 | 1584 | 213 | 1176 | 5669 | 4374 | 5200 | 6926 | 10088 | 2482 | 3754 |
| 76 2004 Regional Report Surplus Deficit | 1278 | -53.4 | 2178 | 3140 | 4891 | 3400 | 1454 | 709 | 3315 | 3292 | 4273 | 6621 | 6349 | 3874 | 3370 |
| 77 2005 Regional Report Surplus Deficit | 1364 | 1292 | 3775 | 3837 | 5098 | 4287 | 3257 | 4766 | 2496 | 1568 | 3444 | 7169 | 6661 | 3346 | 4033 |
| 78 2006 Regional Report Surplus Deficit | 2378 | 638 | 2838 | 2806 | 4375 | 3397 | 7387 | 6819 | 6653 | 9885 | 10856 | 11016 | 11256 | 4924 | 6092 |
| 79 2007 Regional Report Surplus Deficit | 2438 | 536 | 2259 | 2553 | 5915 | 3998 | 5320 | 4607 | 8733 | 8402 | 5382 | 8351 | 7168 | 5725 | 5250 |
| 80 2008 Regional Report Surplus Deficit | 2384 | 151 | 2190 | 3047 | 4226 | 2156 | 1570 | 1929 | 3620 | 3906 | 955 | 9624 | 12783 | 7454 | 4364 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 2636 | 1058 | 2229 | 3030 | 3769 | 1922 | -615 | 611 | 1729 | 1674 | 1959 | 4289 | 2413 | 2098 | 2100 |
| 82 Middle 80 pct | 3927 | 2504 | 3240 | 3738 | 5318 | 4097 | 4408 | 5317 | 6052 | 6310 | 6753 | 8874 | 9464 | 6385 | 5547 |
| 83 Top 10 pct | 5433 | 4109 | 3722 | 4722 | 7500 | 8451 | 10799 | 11788 | 12295 | 10860 | 11108 | 11497 | 11518 | 10173 | 9000 |

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 3021 | 2445 | 1933 | 2641 | 3515 | 1474 | -744 | 394 | 604 | 2086 | 3217 | 3342 | 3539 | 113 | 1849 |
| 2 1930 Regional Report Surplus Deficit | 1284 | 184 | 1627 | 2241 | 3007 | 656 | -1858 | 1210 | 962 | 2890 | 3669 | 2696 | 465 | 2153 | 1424 |
| 3 1931 Regional Report Surplus Deficit | 1319 | 181 | 1502 | 2285 | 3216 | 1203 | -2053 | -986 | 1912 | 2561 | -1072 | 3446 | -473 | 2478 | 1184 |
| 4 1932 Regional Report Surplus Deficit | 1408 | 57.4 | 1408 | 2221 | 2189 | 1198 | -1355 | -1502 | 3753 | 9248 | 10275 | 9868 | 9467 | 5194 | 3594 |
| 5 1933 Regional Report Surplus Deficit | 3037 | 1910 | 2411 | 2462 | 3919 | 3947 | 5042 | 5502 | 5644 | 5330 | 4816 | 6897 | 11356 | 10187 | 5404 |
| 6 1934 Regional Report Surplus Deficit | 5866 | 4593 | 3072 | 4466 | 9023 | 10197 | 10523 | 10379 | 9979 | 11863 | 9811 | 8121 | 5904 | 3087 | 7547 |
| 7 1935 Regional Report Surplus Deficit | 462 | -146 | 931 | 2413 | 3427 | 2056 | 4919 | 5079 | 5316 | 2309 | 5001 | 6257 | 5522 | 6172 | 3819 |
| 8 1936 Regional Report Surplus Deficit | 4191 | 859 | 1534 | 2209 | 2949 | 1137 | -2029 | 316 | 1283 | 3454 | 8198 | 9768 | 8830 | 3399 | 3146 |
| 9 1937 Regional Report Surplus Deficit | 1012 | -52.8 | 1216 | 2191 | 3051 | 1341 | -2043 | -977 | 450 | 2374 | -123 | 4275 | 2935 | 1720 | 1323 |
| 10 1938 Regional Report Surplus Deficit | 1530 | 15.7 | 1669 | 2391 | 3923 | 2240 | 4299 | 4590 | 5852 | 8219 | 11661 | 9901 | 7352 | 5481 | 4858 |
| 11 1939 Regional Report Surplus Deficit | 1014 | 203 | 2027 | 2409 | 2916 | 1379 | 1798 | 2146 | 2341 | 5491 | 7504 | 6367 | 2624 | 2852 | 2828 |
| 12 1940 Regional Report Surplus Deficit | 993 | -223 | 1396 | 2468 | 3597 | 2950 | 690 | 2297 | 6523 | 5487 | 5518 | 5821 | 2938 | 1776 | 3029 |
| 13 1941 Regional Report Surplus Deficit | 362 | -472 | 1215 | 2313 | 2885 | 1405 | -881 | 660 | 854 | 796 | 2445 | 3896 | 2205 | 1901 | 1502 |
| 14 1942 Regional Report Surplus Deficit | 1105 | -2.31 | 1807 | 2370 | 3667 | 4606 | 2842 | 3024 | 1879 | 2942 | 5662 | 5360 | 6010 | 7580 | 3667 |
| 15 1943 Regional Report Surplus Deficit | 2575 | 2046 | 2758 | 2446 | 3097 | 2669 | 5414 | 5546 | 6431 | 13094 | 11923 | 8400 | 11229 | 9780 | 6037 |
| 16 1944 Regional Report Surplus Deficit | 3513 | 1908 | 2025 | 2583 | 3319 | 1694 | -130 | 858 | 219 | 1406 | 3213 | 1673 | -1032 | 787 | 1418 |
| 17 1945 Regional Report Surplus Deficit | 829 | 36.7 | 1241 | 2084 | 2607 | 1050 | -1185 | 142 | 883 | 1633 | 568 | 6805 | 7850 | 1125 | 2013 |
| 18 1946 Regional Report Surplus Deficit | 876 | 87.4 | 1595 | 2404 | 3816 | 3208 | 3818 | 4441 | 5363 | 9537 | 11690 | 10094 | 7849 | 7299 | 5076 |
| 19 1947 Regional Report Surplus Deficit | 4136 | 3712 | 2722 | 2514 | 5045 | 7787 | 7479 | 7581 | 7696 | 7771 | 7524 | 8990 | 7845 | 6547 | 6309 |
| 20 1948 Regional Report Surplus Deficit | 2692 | 1237 | 2627 | 7420 | 7509 | 4900 | 6975 | 5548 | 5609 | 6305 | 9256 | 11013 | 11394 | 8353 | 6760 |
| 21 1949 Regional Report Surplus Deficit | 6108 | 5453 | 3613 | 3084 | 4446 | 2355 | 2705 | 2795 | 8202 | 7532 | 10505 | 10422 | 8349 | 2154 | 5250 |
| 22 1950 Regional Report Surplus Deficit | 1051 | -333 | 1355 | 2568 | 3107 | 3090 | 6717 | 9035 | 8119 | 10724 | 9379 | 8404 | 11363 | 11513 | 6280 |
| 23 1951 Regional Report Surplus Deficit | 6317 | 5678 | 3443 | 5006 | 8689 | 8815 | 9903 | 11001 | 11049 | 11607 | 10488 | 10065 | 7978 | 9059 | 8491 |
| 24 1952 Regional Report Surplus Deficit | 4650 | 1996 | 3017 | 6470 | 6235 | 5303 | 5864 | 6448 | 6727 | 9799 | 12295 | 11297 | 8654 | 5978 | 6689 |
| 25 1953 Regional Report Surplus Deficit | 3138 | 848 | 1329 | 2394 | 3068 | 1502 | 773 | 8039 | 3971 | 3987 | 4703 | 7963 | 11394 | 9570 | 4661 |
| 26 1954 Regional Report Surplus Deficit | 2600 | 2709 | 2797 | 2963 | 5179 | 4401 | 5636 | 8598 | 7535 | 7392 | 7349 | 9245 | 9777 | 11336 | 6442 |
| 27 1955 Regional Report Surplus Deficit | 7295 | 7166 | 6601 | 3286 | 6547 | 3848 | 1138 | 3085 | 167 | 3488 | 3512 | 5919 | 11350 | 10899 | 5297 |
| 28 1956 Regional Report Surplus Deficit | 5896 | 3685 | 2442 | 4327 | 7817 | 8218 | 9459 | 9826 | 9866 | 10241 | 12051 | 10972 | 11438 | 9519 | 8304 |
| 29 1957 Regional Report Surplus Deficit | 4806 | 4617 | 3050 | 3737 | 4491 | 4714 | 3851 | 2692 | 6758 | 9453 | 6581 | 11518 | 11284 | 4728 | 5811 |
| 30 1958 Regional Report Surplus Deficit | 2365 | 913 | 1830 | 2515 | 3426 | 2419 | 4658 | 5756 | 5554 | 5994 | 7822 | 10453 | 9960 | 4005 | 4911 |
| 31 1959 Regional Report Surplus Deficit | 2509 | 675 | 1859 | 2856 | 6356 | 6987 | 8345 | 8213 | 8023 | 9159 | 7193 | 8293 | 10082 | 10023 | 6720 |
| 32 1960 Regional Report Surplus Deficit | 5632 | 4979 | 7568 | 8861 | 9337 | 6334 | 4602 | 5269 | 5745 | 13606 | 9243 | 6331 | 8575 | 6510 | 7147 |
| 33 1961 Regional Report Surplus Deficit | 3936 | 899 | 2192 | 2795 | 4971 | 2854 | 4637 | 6481 | 8428 | 7099 | 5270 | 9084 | 9771 | 3998 | 5299 |
| 34 1962 Regional Report Surplus Deficit | 2468 | 920 | 1663 | 2358 | 3669 | 2742 | 3789 | 4351 | 1673 | 10625 | 11747 | 8272 | 7037 | 4447 | 4389 |
| 35 1963 Regional Report Surplus Deficit | 3418 | 1886 | 1948 | 3805 | 6672 | 6158 | 5352 | 6146 | 3688 | 3467 | 4524 | 6967 | 6888 | 5780 | 4995 |
| 36 1964 Regional Report Surplus Deficit | 2697 | 1326 | 3035 | 2466 | 4270 | 2749 | 2133 | 2425 | 2449 | 7877 | 4317 | 7788 | 11654 | 10658 | 4813 |
| 37 1965 Regional Report Surplus Deficit | 5860 | 4655 | 4272 | 4245 | 5504 | 8440 | 10766 | 11035 | 10123 | 6756 | 11906 | 10242 | 8361 | 6425 | 7816 |
| 38 1966 Regional Report Surplus Deficit | 5348 | 4394 | 2441 | 3286 | 4574 | 3214 | 3165 | 3663 | 2950 | 10890 | 6239 | 4961 | 6527 | 6182 | 4528 |
| 39 1967 Regional Report Surplus Deficit | 3587 | 1007 | 2105 | 2425 | 3427 | 4516 | 7522 | 7884 | 7212 | 5794 | 1650 | 7491 | 11137 | 9537 | 5759 |
| 40 1968 Regional Report Surplus Deficit | 4125 | 3091 | 2862 | 3471 | 5331 | 3473 | 5017 | 7278 | 7267 | 3078 | 3100 | 4459 | 9461 | 7232 | 5194 |
| 41 1969 Regional Report Surplus Deficit | 4372 | 3432 | 5350 | 4889 | 7617 | 5364 | 8716 | 8976 | 7433 | 10985 | 11684 | 11165 | 9254 | 6457 | 7516 |
| 42 1970 Regional Report Surplus Deficit | 2592 | 837 | 2446 | 3136 | 4219 | 2006 | 4706 | 5115 | 3733 | 4046 | 3745 | 7845 | 10433 | 3053 | 4340 |
| 43 1971 Regional Report Surplus Deficit | 2223 | 582 | 1715 | 2479 | 3468 | 3512 | 9467 | 11709 | 9856 | 10512 | 10415 | 10835 | 11696 | 10628 | 7235 |
| 44 1972 Regional Report Surplus Deficit | 6132 | 5830 | 3395 | 3741 | 4909 | 4078 | 8758 | 11204 | 13383 | 14015 | 9487 | 10597 | 11535 | 10653 | 8312 |
| 45 1973 Regional Report Surplus Deficit | 6823 | 6351 | 3918 | 3640 | 4567 | 3797 | 3855 | 2950 | 1545 | 1957 | 2436 | 4128 | 1328 | 2029 | 3386 |
| 46 1974 Regional Report Surplus Deficit | 1156 | 185 | 1496 | 2784 | 3703 | 5414 | 11778 | 12253 | 12155 | 12042 | 11698 | 10261 | 11548 | 11702 | 7941 |
| 47 1975 Regional Report Surplus Deficit | 6530 | 6398 | 3558 | 2981 | 3067 | 3145 | 4959 | 5512 | 6007 | 4263 | 4326 | 9438 | 11204 | 10834 | 5963 |
| 48 1976 Regional Report Surplus Deficit | 4164 | 3755 | 3871 | 5109 | 8261 | 10219 | 8748 | 9272 | 9034 | 11188 | 9687 | 10897 | 9389 | 10016 | 8262 |
| 49 1977 Regional Report Surplus Deficit | 7864 | 8041 | 8125 | 3298 | 3371 | 1031 | 495 | 1213 | 919 | 877 | 1416 | 1145 | -1804 | 849 | 2317 |
| 50 1978 Regional Report Surplus Deficit | 823 | -274 | 918 | 1075 | 2956 | 3279 | 3526 | 4603 | 4490 | 10209 | 7241 | 9072 | 5421 | 6898 | 4263 |
| 51 1979 Regional Report Surplus Deficit | 3048 | 1952 | 4801 | 3363 | 4244 | 1362 | 238 | 3855 | 4587 | 3029 | 4779 | 7832 | 4976 | 856 | 3529 |
| 52 1980 Regional Report Surplus Deficit | 778 | -113 | 1902 | 2459 | 3068 | 1314 | 2095 | 1448 | 1673 | 5482 | 8185 | 10989 | 9800 | 3809 | 3811 |
| 53 1981 Regional Report Surplus Deficit | 977 | 263 | 2306 | 2389 | 4333 | 6833 | 7495 | 7669 | 4046 | 1424 | 4414 | 7031 | 10343 | 8401 | 5350 |
| 54 1982 Regional Report Surplus Deficit | 5226 | 4775 | 2794 | 2889 | 4915 | 3585 | 5922 | 11604 | 11791 | 10049 | 8162 | 10292 | 10817 | 11462 | 7486 |

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
| 55 1983 Regional Report Surplus Deficit | 5811 | 5586 | 4833 | 4546 | 5266 | 4783 | 7732 | 8670 | 10334 | 8210 | 6676 | 8684 | 9146 | 9697 | 7230 |
| 56 1984 Regional Report Surplus Deficit | 5468 | 4753 | 3540 | 3355 | 8600 | 5089 | 6782 | 7320 | 6954 | 10486 | 9933 | 8555 | 10546 | 8204 | 7006 |
| 57 1985 Regional Report Surplus Deficit | 4697 | 2323 | 3651 | 3449 | 5546 | 3096 | 2577 | 3170 | 3193 | 7183 | 8461 | 8046 | 4462 | 2373 | 4235 |
| 58 1986 Regional Report Surplus Deficit | -14.8 | -328 | 1725 | 3977 | 6373 | 3278 | 5121 | 7404 | 11672 | 11438 | 10636 | 7050 | 8111 | 4040 | 5776 |
| 59 1987 Regional Report Surplus Deficit | 2186 | 143 | 1743 | 2944 | 4395 | 3226 | 1251 | 2362 | 4211 | 2216 | 4451 | 6336 | 4314 | 1791 | 3089 |
| 60 1988 Regional Report Surplus Deficit | 588 | -409 | 1699 | 2013 | 2435 | 818 | -1293 | -1132 | 1515 | 1977 | 3860 | 3900 | 1406 | 3294 | 1485 |
| 61 1989 Regional Report Surplus Deficit | 1243 | 11.8 | 1326 | 2465 | 3755 | 2078 | -152 | -782 | 3677 | 6065 | 11531 | 7261 | 4988 | 3042 | 3103 |
| 62 1990 Regional Report Surplus Deficit | 1253 | 273 | 1624 | 2447 | 4810 | 4497 | 4725 | 6851 | 6725 | 6010 | 9998 | 6465 | 8690 | 6046 | 5115 |
| 63 1991 Regional Report Surplus Deficit | 4296 | 3236 | 1807 | 2583 | 8636 | 5263 | 6768 | 7171 | 6939 | 8169 | 5964 | 7481 | 8443 | 9718 | 6293 |
| 64 1992 Regional Report Surplus Deficit | 5792 | 3785 | 1928 | 2555 | 2855 | 1202 | 433 | 2866 | 3411 | 1756 | 2171 | 3478 | 187 | 1143 | 2232 |
| 65 1993 Regional Report Surplus Deficit | 681 | -424 | 1123 | 1847 | 2887 | 501 | -1406 | -1678 | 2558 | 3973 | 4866 | 7813 | 6591 | 3328 | 2359 |
| 66 1994 Regional Report Surplus Deficit | 2278 | 856 | 1987 | 2319 | 3324 | 1273 | -922 | 226 | 2269 | 1832 | 4277 | 4513 | 3739 | 2294 | 2141 |
| 67 1995 Regional Report Surplus Deficit | 1040 | -273 | 1491 | 2109 | 2767 | 2172 | 1990 | 4139 | 4600 | 7285 | 4402 | 7291 | 9786 | 5167 | 3964 |
| 68 1996 Regional Report Surplus Deficit | 2118 | 859 | 2642 | 4239 | 10201 | 11629 | 11174 | 12427 | 13041 | 11324 | 12579 | 10612 | 9435 | 9651 | 9016 |
| 69 1997 Regional Report Surplus Deficit | 5303 | 3716 | 2907 | 2913 | 5146 | 5450 | 11221 | 12516 | 12628 | 12032 | 12310 | 10878 | 11276 | 10778 | 8504 |
| 70 1998 Regional Report Surplus Deficit | 5819 | 5938 | 5283 | 8046 | 7396 | 3546 | 3312 | 5534 | 4169 | 5401 | 6288 | 10553 | 11048 | 5629 | 6349 |
| 71 1999 Regional Report Surplus Deficit | 4228 | 1866 | 2246 | 3058 | 3203 | 5295 | 8904 | 9590 | 9966 | 8086 | 9516 | 8475 | 11139 | 10925 | 7037 |
| 72 2000 Regional Report Surplus Deficit | 7692 | 6216 | 3683 | 2982 | 8996 | 6436 | 4905 | 5053 | 5628 | 9901 | 11416 | 8564 | 4301 | 5043 | 6098 |
| 73 2001 Regional Report Surplus Deficit | 3474 | 168 | 1364 | 2569 | 2957 | 1440 | -606 | 331 | 459 | 1495 | 1670 | 2760 | -1980 | 817 | 1130 |
| 74 2002 Regional Report Surplus Deficit | 673 | -195 | 916 | 757 | 2551 | 1654 | 488 | 1029 | 2291 | 4984 | 8825 | 6505 | 9908 | 8379 | 3470 |
| 75 2003 Regional Report Surplus Deficit | 2628 | 1506 | 1676 | 2311 | 3297 | 916 | -372 | 610 | 4812 | 4648 | 5352 | 5894 | 8673 | 2042 | 3078 |
| 76 2004 Regional Report Surplus Deficit | 464 | -617 | 1521 | 2464 | 4170 | 2731 | 868 | 143 | 2458 | 3566 | 4425 | 5575 | 4819 | 3434 | 2684 |
| 77 2005 Regional Report Surplus Deficit | 550 | 729 | 3118 | 3161 | 4376 | 3619 | 2672 | 4200 | 1639 | 1843 | 3595 | 6137 | 5132 | 2905 | 3348 |
| 78 2006 Regional Report Surplus Deficit | 1564 | 74.7 | 2181 | 2130 | 3654 | 2729 | 6802 | 6253 | 5796 | 10159 | 11007 | 10059 | 9838 | 4483 | 5423 |
| 79 2007 Regional Report Surplus Deficit | 1624 | -27.1 | 1602 | 1877 | 5194 | 3329 | 4734 | 4041 | 7877 | 8677 | 5533 | 7329 | 5640 | 5285 | 4566 |
| 80 2008 Regional Report Surplus Deficit | 1570 | -412 | 1533 | 2371 | 3505 | 1488 | 985 | 1363 | 2762 | 4180 | 1106 | 8637 | 11455 | 7014 | 3699 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 1822 | 494 | 1573 | 2354 | 3048 | 1254 | -1201 | 44.7 | 872 | 1948 | 2110 | 3248 | 883 | 1658 | 1415 |
| 82 Middle 80 pct | 3113 | 1941 | 2576 | 3062 | 4596 | 3428 | 3825 | 4741 | 5204 | 6587 | 6907 | 7859 | 8029 | 5947 | 4871 |
| 83 Top 10 pct | 4618 | 3545 | 3059 | 4046 | 6779 | 7783 | 10226 | 11192 | 11410 | 11151 | 11276 | 10566 | 10120 | 9725 | 8331 |

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 2700 | 2139 | 1735 | 2451 | 3366 | 1215 | -1017 | 269 | 613 | 2675 | 3609 | 3701 | 4301 | -37.0 | 1841 |
| 2 1930 Regional Report Surplus Deficit | 964 | -123 | 1429 | 2051 | 2858 | 397 | -2131 | 1085 | 970 | 3479 | 4061 | 3056 | 1228 | 2003 | 1419 |
| 3 1931 Regional Report Surplus Deficit | 998 | -125 | 1304 | 2095 | 3067 | 944 | -2326 | -1111 | 1921 | 3150 | -680 | 3806 | 290 | 2328 | 1173 |
| 4 1932 Regional Report Surplus Deficit | 1087 | -249 | 1211 | 2031 | 2040 | 939 | -1629 | -1626 | 3762 | 9843 | 10673 | 10224 | 10084 | 5043 | 3564 |
| 5 1933 Regional Report Surplus Deficit | 2716 | 1604 | 2214 | 2272 | 3770 | 3688 | 4769 | 5609 | 5391 | 5919 | 5207 | 7251 | 11780 | 10036 | 5367 |
| 6 1934 Regional Report Surplus Deficit | 5545 | 4286 | 2874 | 4277 | 8874 | 9938 | 10250 | 10254 | 9992 | 12433 | 10183 | 8449 | 6667 | 2937 | 7546 |
| 7 1935 Regional Report Surplus Deficit | 142 | -452 | 734 | 2224 | 3278 | 1797 | 4646 | 4954 | 5325 | 2898 | 5392 | 6618 | 6283 | 6022 | 3818 |
| 8 1936 Regional Report Surplus Deficit | 3870 | 553 | 1337 | 2020 | 2800 | 878 | -2302 | 191 | 1292 | 4043 | 8589 | 10107 | 9523 | 3248 | 3127 |
| 9 1937 Regional Report Surplus Deficit | 692 | -359 | 1018 | 2002 | 2902 | 1082 | -2316 | -1101 | 459 | 2963 | 269 | 4636 | 3697 | 1570 | 1312 |
| 10 1938 Regional Report Surplus Deficit | 1210 | -291 | 1471 | 2201 | 3774 | 1981 | 4026 | 4465 | 5861 | 8798 | 12043 | 10311 | 8116 | 5331 | 4856 |
| 11 1939 Regional Report Surplus Deficit | 694 | -103 | 1830 | 2219 | 2767 | 1120 | 1525 | 2021 | 2350 | 6080 | 7896 | 6714 | 3387 | 2702 | 2820 |
| 12 1940 Regional Report Surplus Deficit | 673 | -530 | 1199 | 2279 | 3448 | 2691 | 417 | 2172 | 6532 | 6076 | 5909 | 6176 | 3701 | 1625 | 3022 |
| 13 1941 Regional Report Surplus Deficit | 41.9 | -779 | 1018 | 2123 | 2736 | 1146 | -1154 | 535 | 863 | 1385 | 2836 | 4255 | 2968 | 1751 | 1495 |
| 14 1942 Regional Report Surplus Deficit | 784 | -309 | 1610 | 2180 | 3518 | 4347 | 2569 | 2899 | 1888 | 3531 | 6053 | 5720 | 6769 | 7430 | 3661 |
| 15 1943 Regional Report Surplus Deficit | 2254 | 1739 | 2561 | 2257 | 2948 | 2411 | 5141 | 5421 | 6440 | 13625 | 12257 | 8696 | 11722 | 9634 | 5999 |
| 16 1944 Regional Report Surplus Deficit | 3192 | 1601 | 1828 | 2394 | 3170 | 1435 | -403 | 734 | 228 | 1995 | 3604 | 2033 | -269 | 637 | 1412 |
| 17 1945 Regional Report Surplus Deficit | 508 | -270 | 1043 | 1894 | 2458 | 792 | -1458 | 17.3 | 892 | 2222 | 960 | 7153 | 8559 | 974 | 1997 |
| 18 1946 Regional Report Surplus Deficit | 555 | -219 | 1398 | 2215 | 3667 | 2949 | 3545 | 4317 | 5372 | 10105 | 12061 | 10437 | 8595 | 7148 | 5065 |
| 19 1947 Regional Report Surplus Deficit | 3816 | 3406 | 2525 | 2325 | 4896 | 7528 | 7206 | 7457 | 7705 | 8359 | 7913 | 9285 | 8579 | 6397 | 6300 |
| 20 1948 Regional Report Surplus Deficit | 2372 | 931 | 2430 | 7230 | 7360 | 4641 | 6701 | 5423 | 5618 | 6894 | 9649 | 11325 | 11833 | 8200 | 6721 |
| 21 1949 Regional Report Surplus Deficit | 5788 | 5147 | 3416 | 2894 | 4297 | 2096 | 2431 | 2670 | 8210 | 8118 | 10894 | 10621 | 9059 | 2004 | 5221 |
| 22 1950 Regional Report Surplus Deficit | 731 | -639 | 1158 | 2378 | 2958 | 2831 | 6444 | 8910 | 8128 | 11309 | 9767 | 8742 | 11897 | 11353 | 6261 |
| 23 1951 Regional Report Surplus Deficit | 5996 | 5371 | 3246 | 4817 | 8540 | 8556 | 9529 | 11119 | 11408 | 12195 | 10879 | 10245 | 8728 | 8915 | 8517 |
| 24 1952 Regional Report Surplus Deficit | 4330 | 1690 | 2819 | 6280 | 6086 | 5044 | 5591 | 6323 | 6736 | 10398 | 12697 | 11551 | 9359 | 5828 | 6671 |
| 25 1953 Regional Report Surplus Deficit | 2818 | 542 | 1131 | 2205 | 2919 | 1243 | 500 | 7914 | 3980 | 4576 | 5094 | 8299 | 11819 | 9420 | 4635 |
| 26 1954 Regional Report Surplus Deficit | 2280 | 2403 | 2600 | 2773 | 5030 | 4142 | 5363 | 8473 | 7544 | 7980 | 7739 | 9545 | 10463 | 11163 | 6430 |
| 27 1955 Regional Report Surplus Deficit | 6974 | 6859 | 6403 | 3096 | 6398 | 3589 | 864 | 2960 | 176 | 4077 | 3904 | 6264 | 11877 | 10690 | 5261 |
| 28 1956 Regional Report Surplus Deficit | 5576 | 3378 | 2245 | 4137 | 7668 | 7959 | 9186 | 9702 | 9870 | 10791 | 12404 | 11256 | 11912 | 9384 | 8271 |
| 29 1957 Regional Report Surplus Deficit | 4486 | 4311 | 2852 | 3548 | 4342 | 4455 | 3577 | 2567 | 6767 | 10041 | 6972 | 11821 | 11808 | 4577 | 5773 |
| 30 1958 Regional Report Surplus Deficit | 2045 | 606 | 1633 | 2325 | 3277 | 2160 | 4385 | 5631 | 5563 | 6582 | 8213 | 10705 | 10653 | 3854 | 4894 |
| 31 1959 Regional Report Surplus Deficit | 2188 | 369 | 1662 | 2667 | 6207 | 6728 | 8072 | 8089 | 8033 | 9747 | 7584 | 8638 | 10693 | 9861 | 6705 |
| 32 1960 Regional Report Surplus Deficit | 5311 | 4673 | 7371 | 8671 | 9188 | 6075 | 4329 | 5144 | 5754 | 14227 | 9667 | 6685 | 9276 | 6359 | 7135 |
| 33 1961 Regional Report Surplus Deficit | 3616 | 593 | 1995 | 2606 | 4822 | 2595 | 4363 | 6356 | 8436 | 7690 | 5664 | 9370 | 10450 | 3847 | 5284 |
| 34 1962 Regional Report Surplus Deficit | 2148 | 613 | 1465 | 2168 | 3520 | 2483 | 3516 | 4227 | 1682 | 11210 | 12134 | 8598 | 7787 | 4297 | 4380 |
| 35 1963 Regional Report Surplus Deficit | 3097 | 1579 | 1751 | 3616 | 6523 | 5899 | 5079 | 6021 | 3697 | 4056 | 4915 | 7324 | 7644 | 5630 | 4992 |
| 36 1964 Regional Report Surplus Deficit | 2377 | 1020 | 2838 | 2276 | 4121 | 2491 | 1859 | 2300 | 2458 | 8465 | 4708 | 8124 | 12069 | 10506 | 4771 |
| 37 1965 Regional Report Surplus Deficit | 5540 | 4349 | 4075 | 4056 | 5355 | 8181 | 10493 | 10910 | 10130 | 7344 | 12297 | 10561 | 9076 | 6274 | 7812 |
| 38 1966 Regional Report Surplus Deficit | 5028 | 4088 | 2244 | 3096 | 4425 | 2955 | 2892 | 3538 | 2959 | 11478 | 6630 | 5319 | 7286 | 6031 | 4521 |
| 39 1967 Regional Report Surplus Deficit | 3266 | 701 | 1908 | 2235 | 3278 | 4257 | 7249 | 7759 | 7221 | 6383 | 2041 | 7822 | 11573 | 9374 | 5730 |
| 40 1968 Regional Report Surplus Deficit | 3805 | 2785 | 2665 | 3281 | 5182 | 3214 | 4744 | 7153 | 7276 | 3666 | 3492 | 4825 | 10147 | 7081 | 5189 |
| 41 1969 Regional Report Surplus Deficit | 4051 | 3126 | 5153 | 4700 | 7469 | 5106 | 8442 | 8851 | 7442 | 11558 | 12058 | 11399 | 9910 | 6307 | 7494 |
| 42 1970 Regional Report Surplus Deficit | 2272 | 530 | 2248 | 2947 | 4070 | 1747 | 4433 | 4990 | 3742 | 4635 | 4136 | 8191 | 11034 | 2902 | 4323 |
| 43 1971 Regional Report Surplus Deficit | 1903 | 276 | 1518 | 2289 | 3319 | 3253 | 9194 | 11584 | 9861 | 11073 | 10779 | 11096 | 12107 | 10485 | 7203 |
| 44 1972 Regional Report Surplus Deficit | 5811 | 5523 | 3197 | 3552 | 4760 | 3819 | 8485 | 11079 | 13342 | 14580 | 9855 | 10748 | 12038 | 10500 | 8270 |
| 45 1973 Regional Report Surplus Deficit | 6502 | 6045 | 3720 | 3450 | 4418 | 3538 | 3582 | 2825 | 1554 | 2546 | 2827 | 4486 | 2091 | 1879 | 3380 |
| 46 1974 Regional Report Surplus Deficit | 836 | -122 | 1299 | 2594 | 3554 | 5155 | 11505 | 12128 | 12179 | 12642 | 12102 | 10621 | 12134 | 11579 | 7938 |
| 47 1975 Regional Report Surplus Deficit | 6209 | 6092 | 3360 | 2792 | 2918 | 2886 | 4685 | 5388 | 6016 | 4852 | 4717 | 9778 | 11868 | 10624 | 5942 |
| 48 1976 Regional Report Surplus Deficit | 3844 | 3449 | 3673 | 4919 | 8112 | 9960 | 8475 | 9147 | 9046 | 11786 | 10087 | 11162 | 10038 | 9884 | 8245 |
| 49 1977 Regional Report Surplus Deficit | 7543 | 7735 | 7928 | 3109 | 3222 | 772 | 222 | 1088 | 928 | 1466 | 1808 | 1505 | -1041 | 699 | 2309 |
| 50 1978 Regional Report Surplus Deficit | 502 | -580 | 720 | 885 | 2807 | 3020 | 3253 | 4479 | 4499 | 10794 | 7628 | 9338 | 6183 | 6748 | 4251 |
| 51 1979 Regional Report Surplus Deficit | 2728 | 1646 | 4604 | 3174 | 4095 | 1103 | -35.2 | 3731 | 4596 | 3618 | 5170 | 8209 | 5739 | 706 | 3526 |
| 52 1980 Regional Report Surplus Deficit | 457 | -419 | 1705 | 2270 | 2919 | 1055 | 1821 | 1323 | 1682 | 6071 | 8576 | 11160 | 10397 | 3659 | 3770 |
| 53 1981 Regional Report Surplus Deficit | 656 | -43.5 | 2109 | 2200 | 4184 | 6575 | 7222 | 7544 | 4055 | 2013 | 4805 | 7384 | 10966 | 8255 | 5340 |
| 54 1982 Regional Report Surplus Deficit | 4906 | 4468 | 2596 | 2699 | 4766 | 3326 | 5649 | 11480 | 11755 | 10613 | 8529 | 10530 | 11441 | 11293 | 7464 |

Regional Report Surplus Deficit By Water Year

Operating Year 2024

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 55 1983 Regional Report Surplus Deficit | 5490 | 5280 | 4636 | 4357 | 5118 | 4524 | 7459 | 8546 | 10344 | 8794 | 7063 | 9040 | 9801 | 9523 | 7217 |
| 56 1984 Regional Report Surplus Deficit | 5148 | 4447 | 3343 | 3165 | 8451 | 4831 | 6509 | 7195 | 6963 | 11068 | 10317 | 8944 | 11279 | 8057 | 7002 |
| 57 1985 Regional Report Surplus Deficit | 4376 | 2017 | 3454 | 3260 | 5397 | 2837 | 2304 | 3046 | 3202 | 7775 | 8855 | 8430 | 5225 | 2223 | 4229 |
| 58 1986 Regional Report Surplus Deficit | -335 | -635 | 1527 | 3787 | 6224 | 3019 | 4848 | 7279 | 11673 | 12026 | 11005 | 7395 | 8829 | 3889 | 5769 |
| 59 1987 Regional Report Surplus Deficit | 1866 | -163 | 1545 | 2755 | 4247 | 2967 | 977 | 2237 | 4220 | 2805 | 4843 | 6698 | 5077 | 1641 | 3082 |
| 60 1988 Regional Report Surplus Deficit | 267 | -715 | 1501 | 1823 | 2286 | 559 | -1566 | -1257 | 1524 | 2566 | 4252 | 4260 | 2170 | 3144 | 1473 |
| 61 1989 Regional Report Surplus Deficit | 923 | -294 | 1128 | 2275 | 3606 | 1819 | -425 | -907 | 3686 | 6655 | 11924 | 7636 | 5751 | 2892 | 3089 |
| 62 1990 Regional Report Surplus Deficit | 933 | -33.6 | 1427 | 2258 | 4661 | 4239 | 4452 | 6726 | 6734 | 6596 | 10387 | 6828 | 9418 | 5898 | 5112 |
| 63 1991 Regional Report Surplus Deficit | 3976 | 2929 | 1609 | 2394 | 8487 | 5005 | 6495 | 7046 | 6948 | 8760 | 6356 | 7837 | 9131 | 9592 | 6287 |
| 64 1992 Regional Report Surplus Deficit | 5471 | 3479 | 1731 | 2366 | 2706 | 943 | 160 | 2741 | 3420 | 2345 | 2562 | 3838 | 950 | 992 | 2229 |
| 65 1993 Regional Report Surplus Deficit | 360 | -731 | 926 | 1657 | 2738 | 242 | -1679 | -1802 | 2567 | 4562 | 5258 | 8184 | 7345 | 3178 | 2343 |
| 66 1994 Regional Report Surplus Deficit | 1958 | 550 | 1789 | 2129 | 3175 | 1014 | -1195 | 102 | 2278 | 2421 | 4669 | 4873 | 4503 | 2144 | 2131 |
| 67 1995 Regional Report Surplus Deficit | 720 | -579 | 1293 | 1920 | 2618 | 1913 | 1717 | 4268 | 4367 | 7874 | 4794 | 7651 | 10492 | 5017 | 3955 |
| 68 1996 Regional Report Surplus Deficit | 1798 | 553 | 2445 | 4050 | 10052 | 11370 | 10900 | 12302 | 12989 | 11878 | 12935 | 10803 | 10108 | 9502 | 8991 |
| 69 1997 Regional Report Surplus Deficit | 4982 | 3409 | 2709 | 2724 | 4997 | 5191 | 10948 | 12391 | 12610 | 12571 | 12651 | 11136 | 11977 | 10620 | 8490 |
| 70 1998 Regional Report Surplus Deficit | 5499 | 5631 | 5085 | 7856 | 7247 | 3287 | 3039 | 5409 | 4177 | 5990 | 6679 | 10974 | 11502 | 5479 | 6322 |
| 71 1999 Regional Report Surplus Deficit | 3908 | 1560 | 2048 | 2868 | 3054 | 5036 | 8505 | 9621 | 9975 | 8671 | 9904 | 8855 | 11827 | 10787 | 7037 |
| 72 2000 Regional Report Surplus Deficit | 7371 | 5910 | 3486 | 2793 | 8847 | 6177 | 4632 | 4928 | 5637 | 10497 | 11815 | 8896 | 5064 | 4893 | 6089 |
| 73 2001 Regional Report Surplus Deficit | 3154 | -138 | 1167 | 2379 | 2808 | 1181 | -879 | 206 | 468 | 2084 | 2062 | 3119 | -1217 | 667 | 1123 |
| 74 2002 Regional Report Surplus Deficit | 353 | -501 | 719 | 567 | 2402 | 1395 | 215 | 904 | 2300 | 5572 | 9216 | 6858 | 10559 | 8227 | 3449 |
| 75 2003 Regional Report Surplus Deficit | 2308 | 1200 | 1479 | 2121 | 3148 | 657 | -646 | 485 | 4821 | 5237 | 5743 | 6246 | 9322 | 1892 | 3057 |
| 76 2004 Regional Report Surplus Deficit | 143 | -923 | 1324 | 2275 | 4021 | 2472 | 595 | 18.1 | 2467 | 4155 | 4816 | 5941 | 5583 | 3283 | 2673 |
| 77 2005 Regional Report Surplus Deficit | 230 | 422 | 2920 | 2971 | 4228 | 3360 | 2399 | 4075 | 1648 | 2431 | 3986 | 6489 | 5894 | 2756 | 3345 |
| 78 2006 Regional Report Surplus Deficit | 1243 | -232 | 1983 | 1940 | 3505 | 2470 | 6529 | 6128 | 5805 | 10748 | 11399 | 10335 | 10489 | 4333 | 5404 |
| 79 2007 Regional Report Surplus Deficit | 1303 | -333 | 1405 | 1688 | 5045 | 3071 | 4461 | 3916 | 7885 | 9265 | 5925 | 7670 | 6401 | 5134 | 4558 |
| 80 2008 Regional Report Surplus Deficit | 1250 | -719 | 1335 | 2181 | 3356 | 1229 | 712 | 1238 | 2771 | 4769 | 1498 | 8943 | 12017 | 6863 | 3667 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
| 81 Bottom 10 pct | 1501 | 188 | 1375 | 2165 | 2899 | 995 | -1474 | -80.0 | 881 | 2537 | 2501 | 3608 | 1646 | 1508 | 1406 |
| 82 Middle 80 pct | 2793 | 1634 | 2378 | 2872 | 4447 | 3170 | 3550 | 4626 | 5204 | 7173 | 7296 | 8193 | 8697 | 5795 | 4856 |
| 83 Top 10 pct | 4298 | 3239 | 2861 | 3856 | 6630 | 7524 | 9940 | 11097 | 11447 | 11723 | 11651 | 10816 | 10752 | 9582 | 8317 |

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|------|-----------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 2407 | 1851 | 1441 | 2220 | 3113 | 940 | -1293 | -117 | 270 | 1436 | 2726 | 2643 | 2924 | -448 | 1325 |
| 2 1930 Regional Report Surplus Deficit | 670 | -410 | 1135 | 1820 | 2604 | 122 | -2408 | 700 | 628 | 2240 | 3179 | 1997 | -149 | 1593 | 900 |
| 3 1931 Regional Report Surplus Deficit | 705 | -413 | 1010 | 1864 | 2813 | 669 | -2603 | -1497 | 1578 | 1911 | -1563 | 2748 | -1088 | 1918 | 660 |
| 4 1932 Regional Report Surplus Deficit | 794 | -536 | 917 | 1800 | 1787 | 664 | -1905 | -2012 | 3419 | 8598 | 9784 | 9169 | 8853 | 4633 | 3070 |
| 5 1933 Regional Report Surplus Deficit | 2423 | 1316 | 1919 | 2041 | 3517 | 3413 | 4492 | 4991 | 5310 | 4680 | 4325 | 6199 | 10742 | 9627 | 4880 |
| 6 1934 Regional Report Surplus Deficit | 5252 | 3999 | 2580 | 4045 | 8620 | 9664 | 9973 | 9869 | 9645 | 11213 | 9320 | 7422 | 5290 | 2527 | 7023 |
| 7 1935 Regional Report Surplus Deficit | -151 | -739 | 439 | 1992 | 3025 | 1523 | 4369 | 4568 | 4982 | 1660 | 4510 | 5558 | 4908 | 5612 | 3295 |
| 8 1936 Regional Report Surplus Deficit | 3577 | 265 | 1042 | 1788 | 2546 | 604 | -2579 | -195 | 949 | 2804 | 7707 | 9069 | 8215 | 2838 | 2622 |
| 9 1937 Regional Report Surplus Deficit | 398 | -647 | 724 | 1770 | 2649 | 807 | -2593 | -1487 | 116 | 1725 | -614 | 3576 | 2320 | 1159 | 798 |
| 10 1938 Regional Report Surplus Deficit | 917 | -578 | 1177 | 1970 | 3520 | 1706 | 3749 | 4080 | 5518 | 7569 | 11170 | 9202 | 6738 | 4921 | 4334 |
| 11 1939 Regional Report Surplus Deficit | 401 | -391 | 1535 | 1988 | 2514 | 845 | 1248 | 1635 | 2007 | 4841 | 7013 | 5668 | 2010 | 2292 | 2303 |
| 12 1940 Regional Report Surplus Deficit | 380 | -817 | 904 | 2047 | 3195 | 2417 | 140 | 1787 | 6189 | 4837 | 5027 | 5122 | 2324 | 1215 | 2505 |
| 13 1941 Regional Report Surplus Deficit | -251 | -1066 | 723 | 1892 | 2483 | 871 | -1430 | 150 | 520 | 147 | 1954 | 3197 | 1591 | 1341 | 978 |
| 14 1942 Regional Report Surplus Deficit | 491 | -596 | 1315 | 1949 | 3265 | 4072 | 2293 | 2513 | 1545 | 2293 | 5171 | 4662 | 5395 | 7020 | 3143 |
| 15 1943 Regional Report Surplus Deficit | 1961 | 1452 | 2266 | 2025 | 2695 | 2136 | 4864 | 5035 | 6097 | 12444 | 11432 | 7701 | 10615 | 9220 | 5513 |
| 16 1944 Regional Report Surplus Deficit | 2899 | 1314 | 1533 | 2162 | 2916 | 1160 | -680 | 348 | -115 | 756 | 2722 | 974 | -1646 | 227 | 894 |
| 17 1945 Regional Report Surplus Deficit | 215 | -557 | 749 | 1663 | 2205 | 517 | -1735 | -369 | 549 | 983 | 77.3 | 6106 | 7236 | 564 | 1488 |
| 18 1946 Regional Report Surplus Deficit | 262 | -506 | 1103 | 1983 | 3413 | 2674 | 3268 | 3931 | 5029 | 8887 | 11199 | 9395 | 7234 | 6739 | 4552 |
| 19 1947 Regional Report Surplus Deficit | 3523 | 3118 | 2230 | 2093 | 4643 | 7253 | 6929 | 7071 | 7362 | 7122 | 7033 | 8291 | 7231 | 5987 | 5785 |
| 20 1948 Regional Report Surplus Deficit | 2079 | 643 | 2135 | 6999 | 7106 | 4366 | 6425 | 5038 | 5275 | 5655 | 8766 | 10314 | 10780 | 7793 | 6235 |
| 21 1949 Regional Report Surplus Deficit | 5495 | 4859 | 3121 | 2663 | 4044 | 1821 | 2155 | 2284 | 7868 | 6883 | 10014 | 9723 | 7735 | 1594 | 4726 |
| 22 1950 Regional Report Surplus Deficit | 438 | -927 | 863 | 2147 | 2705 | 2556 | 6167 | 8525 | 7785 | 10075 | 8888 | 7705 | 10749 | 10953 | 5756 |
| 23 1951 Regional Report Surplus Deficit | 5703 | 5084 | 2951 | 4585 | 8286 | 8281 | 9353 | 10490 | 10715 | 10957 | 9998 | 9367 | 7364 | 8499 | 7966 |
| 24 1952 Regional Report Surplus Deficit | 4036 | 1402 | 2525 | 6049 | 5832 | 4769 | 5314 | 5938 | 6393 | 9149 | 11804 | 10599 | 8040 | 5418 | 6165 |
| 25 1953 Regional Report Surplus Deficit | 2525 | 254 | 837 | 1973 | 2666 | 968 | 223 | 7528 | 3637 | 3337 | 4212 | 7265 | 10780 | 9010 | 4136 |
| 26 1954 Regional Report Surplus Deficit | 1986 | 2115 | 2306 | 2542 | 4777 | 3867 | 5086 | 8088 | 7201 | 6742 | 6858 | 8546 | 9163 | 10776 | 5918 |
| 27 1955 Regional Report Surplus Deficit | 6681 | 6572 | 6109 | 2865 | 6145 | 3314 | 588 | 2575 | -167 | 2838 | 3021 | 5220 | 10735 | 10339 | 4773 |
| 28 1956 Regional Report Surplus Deficit | 5283 | 3091 | 1950 | 3906 | 7415 | 7684 | 8910 | 9316 | 9532 | 9591 | 11560 | 10274 | 10823 | 8958 | 7780 |
| 29 1957 Regional Report Surplus Deficit | 4192 | 4024 | 2558 | 3316 | 4089 | 4180 | 3301 | 2181 | 6424 | 8803 | 6091 | 10820 | 10669 | 4167 | 5287 |
| 30 1958 Regional Report Surplus Deficit | 1751 | 319 | 1338 | 2094 | 3024 | 1885 | 4108 | 5245 | 5220 | 5344 | 7331 | 9754 | 9346 | 3444 | 4387 |
| 31 1959 Regional Report Surplus Deficit | 1895 | 81.0 | 1367 | 2435 | 5954 | 6454 | 7795 | 7703 | 7689 | 8510 | 6702 | 7594 | 9468 | 9463 | 6196 |
| 32 1960 Regional Report Surplus Deficit | 5018 | 4385 | 7077 | 8440 | 8935 | 5800 | 4053 | 4759 | 5411 | 12956 | 8752 | 5632 | 7960 | 5949 | 6623 |
| 33 1961 Regional Report Surplus Deficit | 3323 | 306 | 1700 | 2374 | 4569 | 2320 | 4087 | 5971 | 8094 | 6449 | 4779 | 8386 | 9157 | 3437 | 4774 |
| 34 1962 Regional Report Surplus Deficit | 1854 | 326 | 1171 | 1936 | 3266 | 2208 | 3239 | 3841 | 1339 | 9976 | 11257 | 7573 | 6423 | 3887 | 3865 |
| 35 1963 Regional Report Surplus Deficit | 2804 | 1292 | 1456 | 3384 | 6269 | 5624 | 4802 | 5635 | 3354 | 2817 | 4033 | 6268 | 6273 | 5220 | 4470 |
| 36 1964 Regional Report Surplus Deficit | 2084 | 732 | 2544 | 2045 | 3867 | 2216 | 1583 | 1914 | 2115 | 7227 | 3826 | 7089 | 11040 | 10098 | 4289 |
| 37 1965 Regional Report Surplus Deficit | 5247 | 4061 | 3780 | 3824 | 5101 | 7906 | 10217 | 10524 | 9789 | 6106 | 11416 | 9543 | 7747 | 5864 | 7291 |
| 38 1966 Regional Report Surplus Deficit | 4734 | 3800 | 1949 | 2865 | 4171 | 2680 | 2615 | 3152 | 2616 | 10240 | 5748 | 4262 | 5913 | 5621 | 4004 |
| 39 1967 Regional Report Surplus Deficit | 2973 | 413 | 1613 | 2004 | 3025 | 3982 | 6972 | 7374 | 6878 | 5144 | 1159 | 6793 | 10523 | 8977 | 5235 |
| 40 1968 Regional Report Surplus Deficit | 3511 | 2497 | 2370 | 3050 | 4929 | 2939 | 4468 | 6767 | 6933 | 2428 | 2609 | 3760 | 8847 | 6671 | 4670 |
| 41 1969 Regional Report Surplus Deficit | 3758 | 2838 | 4858 | 4468 | 7215 | 4831 | 8166 | 8466 | 7099 | 10335 | 11193 | 10466 | 8640 | 5897 | 6992 |
| 42 1970 Regional Report Surplus Deficit | 1978 | 243 | 1954 | 2715 | 3816 | 1472 | 4156 | 4604 | 3399 | 3396 | 3254 | 7146 | 9819 | 2492 | 3816 |
| 43 1971 Regional Report Surplus Deficit | 1610 | -11.9 | 1223 | 2058 | 3065 | 2978 | 8917 | 11198 | 9522 | 9862 | 9924 | 10137 | 11082 | 10068 | 6710 |
| 44 1972 Regional Report Surplus Deficit | 5518 | 5236 | 2903 | 3320 | 4506 | 3544 | 8208 | 10693 | 13049 | 13366 | 8997 | 9899 | 10921 | 10093 | 7787 |
| 45 1973 Regional Report Surplus Deficit | 6209 | 5757 | 3426 | 3219 | 4165 | 3264 | 3305 | 2439 | 1211 | 1307 | 1945 | 3429 | 714 | 1469 | 2861 |
| 46 1974 Regional Report Surplus Deficit | 543 | -409 | 1004 | 2363 | 3301 | 4880 | 11228 | 11742 | 11821 | 11392 | 11207 | 9563 | 10934 | 11142 | 7417 |
| 47 1975 Regional Report Surplus Deficit | 5916 | 5804 | 3066 | 2560 | 2665 | 2612 | 4409 | 5002 | 5673 | 3614 | 3835 | 8739 | 10590 | 10274 | 5439 |
| 48 1976 Regional Report Surplus Deficit | 3550 | 3161 | 3379 | 4688 | 7859 | 9685 | 8199 | 8761 | 8700 | 10538 | 9196 | 10198 | 8775 | 9456 | 7738 |
| 49 1977 Regional Report Surplus Deficit | 7250 | 7447 | 7633 | 2877 | 2968 | 497 | -54.5 | 703 | 585 | 227 | 925 | 447 | -2419 | 289 | 1793 |
| 50 1978 Regional Report Surplus Deficit | 209 | -868 | 426 | 654 | 2553 | 2745 | 2976 | 4093 | 4156 | 9559 | 6750 | 8373 | 4806 | 6338 | 3738 |
| 51 1979 Regional Report Surplus Deficit | 2434 | 1359 | 4309 | 2942 | 3842 | 828 | -312 | 3345 | 4253 | 2379 | 4288 | 7133 | 4362 | 296 | 3004 |
| 52 1980 Regional Report Surplus Deficit | 164 | -707 | 1410 | 2038 | 2665 | 780 | 1545 | 937 | 1339 | 4832 | 7694 | 10290 | 9186 | 3249 | 3287 |
| 53 1981 Regional Report Surplus Deficit | 363 | -331 | 1814 | 1968 | 3931 | 6300 | 6945 | 7158 | 3712 | 774 | 3923 | 6332 | 9729 | 7840 | 4825 |
| 54 1982 Regional Report Surplus Deficit | 4612 | 4181 | 2302 | 2468 | 4512 | 3051 | 5372 | 11094 | 11457 | 9399 | 7671 | 9593 | 10202 | 10902 | 6962 |

Regional Report Surplus Deficit By Water Year

Operating Year 2025

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|
| 55 1983 Regional Report Surplus Deficit | 5197 | 4993 | 4341 | 4125 | 4864 | 4249 | 7182 | 8160 | 10000 | 7560 | 6185 | 7986 | 8532 | 9136 | 6705 |
| 56 1984 Regional Report Surplus Deficit | 4855 | 4159 | 3048 | 2934 | 8198 | 4556 | 6232 | 6809 | 6620 | 9836 | 9442 | 7857 | 9932 | 7643 | 6481 |
| 57 1985 Regional Report Surplus Deficit | 4083 | 1729 | 3159 | 3028 | 5143 | 2563 | 2027 | 2660 | 2859 | 6533 | 7970 | 7348 | 3848 | 1812 | 3710 |
| 58 1986 Regional Report Surplus Deficit | -629 | -922 | 1233 | 3556 | 5971 | 2744 | 4571 | 6893 | 11338 | 10789 | 10145 | 6352 | 7496 | 3479 | 5252 |
| 59 1987 Regional Report Surplus Deficit | 1573 | -451 | 1251 | 2523 | 3993 | 2692 | 701 | 1851 | 3877 | 1567 | 3960 | 5638 | 3700 | 1231 | 2564 |
| 60 1988 Regional Report Surplus Deficit | -26.2 | -1003 | 1207 | 1592 | 2033 | 284 | -1842 | -1643 | 1181 | 1328 | 3370 | 3201 | 792 | 2734 | 961 |
| 61 1989 Regional Report Surplus Deficit | 629 | -582 | 834 | 2044 | 3353 | 1544 | -702 | -1293 | 3344 | 5415 | 11040 | 6562 | 4374 | 2481 | 2578 |
| 62 1990 Regional Report Surplus Deficit | 640 | -321 | 1132 | 2026 | 4408 | 3964 | 4175 | 6341 | 6391 | 5361 | 9507 | 5766 | 8075 | 5485 | 4590 |
| 63 1991 Regional Report Surplus Deficit | 3683 | 2642 | 1315 | 2162 | 8233 | 4730 | 6218 | 6660 | 6605 | 7519 | 5473 | 6782 | 7828 | 9157 | 5769 |
| 64 1992 Regional Report Surplus Deficit | 5178 | 3191 | 1436 | 2134 | 2453 | 668 | -117 | 2356 | 3077 | 1106 | 1680 | 2779 | -427 | 582 | 1707 |
| 65 1993 Regional Report Surplus Deficit | 66.7 | -1018 | 631 | 1426 | 2485 | -32.6 | -1956 | -2188 | 2224 | 3324 | 4375 | 7114 | 5977 | 2767 | 1834 |
| 66 1994 Regional Report Surplus Deficit | 1664 | 262 | 1495 | 1898 | 2922 | 739 | -1472 | -284 | 1935 | 1182 | 3786 | 3814 | 3125 | 1734 | 1617 |
| 67 1995 Regional Report Surplus Deficit | 427 | -867 | 999 | 1688 | 2364 | 1638 | 1440 | 3628 | 4266 | 6635 | 3911 | 6592 | 9172 | 4607 | 3440 |
| 68 1996 Regional Report Surplus Deficit | 1505 | 265 | 2150 | 3818 | 9799 | 11095 | 10624 | 11916 | 12707 | 10674 | 12088 | 9913 | 8821 | 9091 | 8492 |
| 69 1997 Regional Report Surplus Deficit | 4689 | 3122 | 2415 | 2492 | 4744 | 4916 | 10671 | 12005 | 12294 | 11383 | 11819 | 10180 | 10661 | 10218 | 7980 |
| 70 1998 Regional Report Surplus Deficit | 5206 | 5344 | 4791 | 7625 | 6993 | 3013 | 2762 | 5024 | 3835 | 4751 | 5797 | 9854 | 10433 | 5069 | 5825 |
| 71 1999 Regional Report Surplus Deficit | 3614 | 1272 | 1754 | 2637 | 2801 | 4761 | 8354 | 9079 | 9632 | 7436 | 9025 | 7776 | 10525 | 10365 | 6513 |
| 72 2000 Regional Report Surplus Deficit | 7078 | 5622 | 3191 | 2561 | 8594 | 5902 | 4355 | 4543 | 5294 | 9251 | 10925 | 7865 | 3687 | 4482 | 5574 |
| 73 2001 Regional Report Surplus Deficit | 2860 | -426 | 872 | 2148 | 2555 | 906 | -1156 | -180 | 125 | 845 | 1179 | 2062 | -2594 | 257 | 606 |
| 74 2002 Regional Report Surplus Deficit | 59.7 | -789 | 424 | 336 | 2149 | 1120 | -61.9 | 518 | 1957 | 4334 | 8334 | 5806 | 9294 | 7818 | 2945 |
| 75 2003 Regional Report Surplus Deficit | 2015 | 912 | 1184 | 1890 | 2894 | 382 | -922 | 99.6 | 4478 | 3998 | 4861 | 5196 | 8058 | 1482 | 2554 |
| 76 2004 Regional Report Surplus Deficit | -150 | -1211 | 1029 | 2043 | 3767 | 2197 | 318 | -368 | 2124 | 2916 | 3934 | 4877 | 4205 | 2874 | 2160 |
| 77 2005 Regional Report Surplus Deficit | -63.7 | 135 | 2626 | 2740 | 3974 | 3085 | 2122 | 3690 | 1305 | 1193 | 3104 | 5439 | 4518 | 2345 | 2824 |
| 78 2006 Regional Report Surplus Deficit | 950 | -519 | 1689 | 1709 | 3252 | 2195 | 6252 | 5742 | 5462 | 9509 | 10516 | 9361 | 9224 | 3923 | 4898 |
| 79 2007 Regional Report Surplus Deficit | 1010 | -621 | 1110 | 1456 | 4792 | 2796 | 4184 | 3531 | 7543 | 8027 | 5042 | 6630 | 5026 | 4724 | 4042 |
| 80 2008 Regional Report Surplus Deficit | 956 | -1006 | 1041 | 1950 | 3103 | 954 | 435 | 852 | 2428 | 3530 | 615 | 7939 | 10841 | 6453 | 3175 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | 1208 | -99.9 | 1081 | 1933 | 2646 | 720 | -1751 | -466 | 538 | 1298 | 1619 | 2550 | 269 | 1098 | 890 |
| 82 Middle 80 pct | 2499 | 1347 | 2084 | 2641 | 4194 | 2895 | 3275 | 4231 | 4870 | 5937 | 6416 | 7161 | 7415 | 5387 | 4347 |
| 83 Top 10 pct | 4005 | 2951 | 2567 | 3625 | 6376 | 7249 | 9676 | 10681 | 11076 | 10501 | 10785 | 9867 | 9506 | 9165 | 7806 |

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 1982 | 1667 | 1223 | 1979 | 2824 | 61.1 | -2296 | -1104 | -632 | 764 | 1692 | 2434 | 3053 | -1411 | 766 |
| 2 1930 Regional Report Surplus Deficit | 245 | -595 | 917 | 1578 | 2316 | -756 | -3411 | -288 | -274 | 1568 | 2144 | 1788 | -20.2 | 629 | 341 |
| 3 1931 Regional Report Surplus Deficit | 280 | -597 | 792 | 1622 | 2525 | -210 | -3605 | -2484 | 677 | 1239 | -2597 | 2539 | -959 | 954 | 101 |
| 4 1932 Regional Report Surplus Deficit | 369 | -721 | 699 | 1558 | 1498 | -215 | -2908 | -3000 | 2517 | 7933 | 8756 | 8957 | 8835 | 3669 | 2499 |
| 5 1933 Regional Report Surplus Deficit | 1998 | 1132 | 1702 | 1800 | 3228 | 2534 | 3489 | 4235 | 4146 | 4008 | 3291 | 5983 | 10532 | 8662 | 4288 |
| 6 1934 Regional Report Surplus Deficit | 4827 | 3814 | 2362 | 3804 | 8331 | 8785 | 8970 | 8881 | 8748 | 10523 | 8266 | 7182 | 5418 | 1563 | 6460 |
| 7 1935 Regional Report Surplus Deficit | -577 | -924 | 222 | 1751 | 2736 | 644 | 3366 | 3581 | 4080 | 988 | 3476 | 5350 | 5034 | 4648 | 2736 |
| 8 1936 Regional Report Surplus Deficit | 3152 | 80.9 | 825 | 1547 | 2258 | -275 | -3582 | -1182 | 47.7 | 2132 | 6672 | 8840 | 8274 | 1874 | 2056 |
| 9 1937 Regional Report Surplus Deficit | -26.6 | -831 | 506 | 1529 | 2360 | -72.1 | -3596 | -2475 | -786 | 1053 | -1648 | 3368 | 2449 | 196 | 240 |
| 10 1938 Regional Report Surplus Deficit | 492 | -762 | 959 | 1728 | 3231 | 827 | 2747 | 3092 | 4616 | 6887 | 10126 | 9043 | 6867 | 3957 | 3778 |
| 11 1939 Regional Report Surplus Deficit | -24.3 | -575 | 1318 | 1747 | 2225 | -33.5 | 245 | 648 | 1105 | 4169 | 5979 | 5447 | 2139 | 1328 | 1743 |
| 12 1940 Regional Report Surplus Deficit | -45.5 | -1002 | 687 | 1806 | 2906 | 1538 | -863 | 799 | 5287 | 4165 | 3993 | 4909 | 2452 | 251 | 1945 |
| 13 1941 Regional Report Surplus Deficit | -676 | -1250 | 506 | 1650 | 2194 | -7.95 | -2433 | -838 | -382 | -525 | 920 | 2988 | 1720 | 377 | 419 |
| 14 1942 Regional Report Surplus Deficit | 66.0 | -781 | 1098 | 1708 | 2976 | 3193 | 1290 | 1526 | 643 | 1621 | 4137 | 4453 | 5521 | 6056 | 2584 |
| 15 1943 Regional Report Surplus Deficit | 1536 | 1267 | 2049 | 1784 | 2406 | 1257 | 3861 | 4048 | 5196 | 11715 | 10341 | 7428 | 10473 | 8260 | 4922 |
| 16 1944 Regional Report Surplus Deficit | 2474 | 1129 | 1316 | 1921 | 2628 | 281 | -1682 | -640 | -1017 | 84.4 | 1687 | 765 | -1517 | -737 | 335 |
| 17 1945 Regional Report Surplus Deficit | -210 | -742 | 531 | 1421 | 1916 | -362 | -2738 | -1356 | -353 | 311 | -957 | 5885 | 7311 | -400 | 924 |
| 18 1946 Regional Report Surplus Deficit | -163 | -691 | 886 | 1742 | 3125 | 1795 | 2265 | 2943 | 4127 | 8195 | 10145 | 9169 | 7346 | 5774 | 3988 |
| 19 1947 Regional Report Surplus Deficit | 3098 | 2934 | 2013 | 1852 | 4354 | 6375 | 5926 | 6083 | 6460 | 6449 | 5997 | 8017 | 7330 | 5023 | 5218 |
| 20 1948 Regional Report Surplus Deficit | 1653 | 459 | 1918 | 6757 | 6817 | 3487 | 5422 | 4050 | 4373 | 4984 | 7732 | 10057 | 10584 | 6826 | 5645 |
| 21 1949 Regional Report Surplus Deficit | 5070 | 4675 | 2904 | 2422 | 3755 | 942 | 1152 | 1297 | 6965 | 6208 | 8977 | 9353 | 7811 | 630 | 4149 |
| 22 1950 Regional Report Surplus Deficit | 12.5 | -1111 | 646 | 1905 | 2416 | 1677 | 5164 | 7537 | 6883 | 9399 | 7851 | 7474 | 10648 | 9979 | 5175 |
| 23 1951 Regional Report Surplus Deficit | 5278 | 4899 | 2734 | 4344 | 7998 | 7402 | 8249 | 9746 | 10163 | 10284 | 8963 | 8977 | 7480 | 7541 | 7431 |
| 24 1952 Regional Report Surplus Deficit | 3611 | 1218 | 2307 | 5807 | 5544 | 3890 | 4311 | 4950 | 5491 | 8488 | 10780 | 10283 | 8110 | 4454 | 5593 |
| 25 1953 Regional Report Surplus Deficit | 2100 | 70.0 | 619 | 1732 | 2377 | 89.0 | -780 | 6541 | 2735 | 2665 | 3178 | 7032 | 10570 | 8046 | 3547 |
| 26 1954 Regional Report Surplus Deficit | 1561 | 1931 | 2088 | 2301 | 4488 | 2988 | 4083 | 7100 | 6299 | 6069 | 5822 | 8277 | 9215 | 9789 | 5345 |
| 27 1955 Regional Report Surplus Deficit | 6256 | 6387 | 5891 | 2624 | 5856 | 2435 | -415 | 1587 | -1069 | 2166 | 1987 | 4997 | 10629 | 9316 | 4189 |
| 28 1956 Regional Report Surplus Deficit | 4858 | 2906 | 1733 | 3665 | 7126 | 6805 | 7907 | 8328 | 8626 | 8880 | 10487 | 9988 | 10663 | 8010 | 7188 |
| 29 1957 Regional Report Surplus Deficit | 3767 | 3839 | 2340 | 3075 | 3800 | 3302 | 2298 | 1194 | 5523 | 8130 | 5056 | 10554 | 10559 | 3203 | 4703 |
| 30 1958 Regional Report Surplus Deficit | 1326 | 134 | 1121 | 1852 | 2735 | 1006 | 3105 | 4258 | 4319 | 4672 | 6297 | 9438 | 9404 | 2480 | 3813 |
| 31 1959 Regional Report Surplus Deficit | 1470 | -103 | 1150 | 2194 | 5665 | 5575 | 6793 | 6715 | 6788 | 7837 | 5667 | 7371 | 9444 | 8487 | 5622 |
| 32 1960 Regional Report Surplus Deficit | 4593 | 4201 | 6859 | 8198 | 8646 | 4921 | 3050 | 3771 | 4509 | 12317 | 7750 | 5418 | 8028 | 4985 | 6061 |
| 33 1961 Regional Report Surplus Deficit | 2897 | 121 | 1483 | 2133 | 4280 | 1441 | 3084 | 4983 | 7191 | 5779 | 3747 | 8102 | 9201 | 2473 | 4202 |
| 34 1962 Regional Report Surplus Deficit | 1429 | 141 | 953 | 1695 | 2978 | 1329 | 2236 | 2853 | 438 | 9300 | 10218 | 7330 | 6539 | 2923 | 3302 |
| 35 1963 Regional Report Surplus Deficit | 2379 | 1107 | 1239 | 3143 | 5980 | 4745 | 3799 | 4648 | 2452 | 2146 | 2999 | 6056 | 6396 | 4256 | 3910 |
| 36 1964 Regional Report Surplus Deficit | 1659 | 548 | 2326 | 1803 | 3579 | 1337 | 580 | 927 | 1214 | 6554 | 2792 | 6856 | 10821 | 9132 | 3699 |
| 37 1965 Regional Report Surplus Deficit | 4822 | 3877 | 3563 | 3583 | 4813 | 7027 | 9214 | 9537 | 8885 | 5433 | 10381 | 9293 | 7828 | 4900 | 6725 |
| 38 1966 Regional Report Surplus Deficit | 4309 | 3616 | 1732 | 2623 | 3882 | 1801 | 1613 | 2165 | 1714 | 9568 | 4713 | 4051 | 6037 | 4657 | 3444 |
| 39 1967 Regional Report Surplus Deficit | 2548 | 229 | 1396 | 1762 | 2736 | 3103 | 5969 | 6386 | 5976 | 4472 | 125 | 6554 | 10324 | 8000 | 4645 |
| 40 1968 Regional Report Surplus Deficit | 3086 | 2313 | 2153 | 2808 | 4640 | 2061 | 3465 | 5780 | 6032 | 1756 | 1575 | 3557 | 8899 | 5707 | 4105 |
| 41 1969 Regional Report Surplus Deficit | 3333 | 2654 | 4641 | 4227 | 6926 | 3952 | 7163 | 7478 | 6198 | 9647 | 10142 | 10131 | 8662 | 4933 | 6412 |
| 42 1970 Regional Report Surplus Deficit | 1553 | 58.5 | 1736 | 2474 | 3528 | 593 | 3153 | 3617 | 2497 | 2724 | 2220 | 6923 | 9785 | 1528 | 3242 |
| 43 1971 Regional Report Surplus Deficit | 1185 | -196 | 1006 | 1816 | 2777 | 2099 | 7915 | 10211 | 8616 | 9162 | 8862 | 9829 | 10859 | 9111 | 6112 |
| 44 1972 Regional Report Surplus Deficit | 5093 | 5051 | 2685 | 3079 | 4218 | 2665 | 7205 | 9706 | 12098 | 12669 | 7938 | 9480 | 10790 | 9126 | 7183 |
| 45 1973 Regional Report Surplus Deficit | 5784 | 5573 | 3208 | 2977 | 3876 | 2385 | 2302 | 1452 | 309 | 635 | 910 | 3219 | 843 | 505 | 2302 |
| 46 1974 Regional Report Surplus Deficit | 118 | -593 | 787 | 2122 | 3012 | 4001 | 10225 | 10755 | 10934 | 10732 | 10185 | 9353 | 10885 | 10205 | 6848 |
| 47 1975 Regional Report Surplus Deficit | 5491 | 5620 | 2848 | 2319 | 2376 | 1733 | 3406 | 4014 | 4771 | 2941 | 2801 | 8510 | 10619 | 9250 | 4865 |
| 48 1976 Regional Report Surplus Deficit | 3125 | 2977 | 3161 | 4447 | 7570 | 8806 | 7196 | 7774 | 7801 | 9875 | 8170 | 9895 | 8790 | 8510 | 7164 |
| 49 1977 Regional Report Surplus Deficit | 6825 | 7263 | 7416 | 2636 | 2679 | -381 | -1057 | -285 | -317 | -445 | -109 | 238 | -2290 | -675 | 1234 |
| 50 1978 Regional Report Surplus Deficit | -216 | -1052 | 208 | 412 | 2264 | 1867 | 1973 | 3105 | 3254 | 8883 | 5712 | 8070 | 4934 | 5374 | 3171 |
| 51 1979 Regional Report Surplus Deficit | 2009 | 1174 | 4092 | 2701 | 3553 | -50.8 | -1315 | 2357 | 3352 | 1707 | 3254 | 6941 | 4490 | -668 | 2447 |
| 52 1980 Regional Report Surplus Deficit | -261 | -891 | 1193 | 1797 | 2376 | -98.9 | 542 | -50.1 | 437 | 4160 | 6660 | 9892 | 9149 | 2285 | 2698 |
| 53 1981 Regional Report Surplus Deficit | -61.9 | -515 | 1597 | 1727 | 3642 | 5421 | 5942 | 6171 | 2810 | 102 | 2888 | 6117 | 9717 | 6881 | 4255 |
| 54 1982 Regional Report Surplus Deficit | 4187 | 3996 | 2084 | 2227 | 4224 | 2173 | 4369 | 10106 | 10511 | 8703 | 6613 | 9262 | 10192 | 9918 | 6374 |

Regional Report Surplus Deficit By Water Year

Operating Year 2026

2016 White Book Report Date: **9/20/2016** *Continued*

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| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|------|------|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| 55 1983 Regional Report Surplus Deficit | 4772 | 4808 | 4124 | 3884 | 4575 | 3370 | 6180 | 7172 | 9099 | 6883 | 5146 | 7772 | 8553 | 8149 | 6135 |
| 56 1984 Regional Report Surplus Deficit | 4430 | 3975 | 2831 | 2693 | 7909 | 3677 | 5229 | 5822 | 5718 | 9158 | 8401 | 7676 | 10031 | 6683 | 5922 |
| 57 1985 Regional Report Surplus Deficit | 3658 | 1545 | 2942 | 2787 | 4854 | 1684 | 1024 | 1672 | 1957 | 5864 | 6938 | 7162 | 3976 | 849 | 3154 |
| 58 1986 Regional Report Surplus Deficit | -1054 | -1107 | 1015 | 3314 | 5682 | 1865 | 3568 | 5906 | 10429 | 10116 | 9089 | 6128 | 7580 | 2515 | 4686 |
| 59 1987 Regional Report Surplus Deficit | 1148 | -635 | 1033 | 2282 | 3704 | 1813 | -302 | 864 | 2975 | 895 | 2926 | 5430 | 3829 | 267 | 2005 |
| 60 1988 Regional Report Surplus Deficit | -451 | -1187 | 989 | 1351 | 1744 | -595 | -2845 | -2630 | 280 | 656 | 2335 | 2992 | 921 | 1770 | 402 |
| 61 1989 Regional Report Surplus Deficit | 204 | -766 | 616 | 1802 | 3064 | 665 | -1704 | -2280 | 2442 | 4744 | 10007 | 6368 | 4502 | 1518 | 2021 |
| 62 1990 Regional Report Surplus Deficit | 215 | -506 | 915 | 1785 | 4119 | 3085 | 3172 | 5353 | 5490 | 4686 | 8470 | 5561 | 8170 | 4524 | 4029 |
| 63 1991 Regional Report Surplus Deficit | 3258 | 2457 | 1097 | 1921 | 7945 | 3851 | 5215 | 5673 | 5704 | 6849 | 4440 | 6570 | 7882 | 8218 | 5206 |
| 64 1992 Regional Report Surplus Deficit | 4753 | 3007 | 1219 | 1893 | 2164 | -211 | -1119 | 1368 | 2175 | 435 | 645 | 2570 | -298 | -382 | 1148 |
| 65 1993 Regional Report Surplus Deficit | -358 | -1202 | 414 | 1184 | 2196 | -912 | -2959 | -3176 | 1322 | 2652 | 3341 | 6917 | 6096 | 1804 | 1276 |
| 66 1994 Regional Report Surplus Deficit | 1239 | 77.8 | 1277 | 1656 | 2633 | -140 | -2474 | -1272 | 1034 | 510 | 2752 | 3606 | 3254 | 770 | 1058 |
| 67 1995 Regional Report Surplus Deficit | 1.62 | -1051 | 781 | 1447 | 2075 | 759 | 437 | 2895 | 3122 | 5963 | 2878 | 6384 | 9243 | 3643 | 2875 |
| 68 1996 Regional Report Surplus Deficit | 1080 | 81.1 | 1933 | 3577 | 9510 | 10216 | 9621 | 10929 | 11745 | 9967 | 11018 | 9536 | 8859 | 8128 | 7903 |
| 69 1997 Regional Report Surplus Deficit | 4264 | 2937 | 2197 | 2251 | 4455 | 4037 | 9669 | 11018 | 11366 | 10660 | 10734 | 9868 | 10728 | 9246 | 7400 |
| 70 1998 Regional Report Surplus Deficit | 4781 | 5159 | 4573 | 7383 | 6705 | 2134 | 1759 | 4036 | 2933 | 4079 | 4762 | 9707 | 10253 | 4105 | 5246 |
| 71 1999 Regional Report Surplus Deficit | 3189 | 1088 | 1536 | 2395 | 2512 | 3882 | 7226 | 8247 | 8731 | 6760 | 7987 | 7588 | 10579 | 9413 | 5951 |
| 72 2000 Regional Report Surplus Deficit | 6653 | 5438 | 2974 | 2320 | 8305 | 5024 | 3352 | 3555 | 4392 | 8586 | 9898 | 7628 | 3815 | 3519 | 5013 |
| 73 2001 Regional Report Surplus Deficit | 2435 | -610 | 655 | 1906 | 2266 | 27.2 | -2159 | -1167 | -776 | 173 | 145 | 1851 | -2465 | -707 | 46.7 |
| 74 2002 Regional Report Surplus Deficit | -365 | -973 | 207 | 94.5 | 1860 | 241 | -1065 | -469 | 1056 | 3662 | 7299 | 5591 | 9311 | 6853 | 2377 |
| 75 2003 Regional Report Surplus Deficit | 1590 | 728 | 967 | 1648 | 2606 | -497 | -1925 | -888 | 3576 | 3326 | 3827 | 4978 | 8073 | 518 | 1985 |
| 76 2004 Regional Report Surplus Deficit | -575 | -1395 | 812 | 1802 | 3478 | 1319 | -684 | -1355 | 1222 | 2244 | 2900 | 4673 | 4334 | 1909 | 1602 |
| 77 2005 Regional Report Surplus Deficit | -489 | -49.6 | 2408 | 2498 | 3685 | 2206 | 1119 | 2702 | 403 | 521 | 2070 | 5221 | 4645 | 1381 | 2264 |
| 78 2006 Regional Report Surplus Deficit | 525 | -704 | 1471 | 1467 | 2963 | 1316 | 5249 | 4755 | 4560 | 8837 | 9482 | 9068 | 9240 | 2959 | 4323 |
| 79 2007 Regional Report Surplus Deficit | 585 | -805 | 893 | 1215 | 4503 | 1917 | 3182 | 2543 | 6640 | 7354 | 4008 | 6403 | 5152 | 3760 | 3481 |
| 80 2008 Regional Report Surplus Deficit | 531 | -1190 | 823 | 1708 | 2814 | 75.1 | -568 | -135 | 1527 | 2858 | -419 | 7676 | 10768 | 5489 | 2595 |

Ranked Averages

| | | | | | | | | | | | | | | | |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 81 Bottom 10 pct | 783 | -284 | 863 | 1692 | 2357 | -159 | -2754 | -1453 | -364 | 627 | 585 | 2341 | 397 | 134 | 331 |
| 82 Middle 80 pct | 2074 | 1162 | 1866 | 2400 | 3905 | 2016 | 2270 | 3253 | 3959 | 5263 | 5379 | 6925 | 7448 | 4421 | 3777 |
| 83 Top 10 pct | 3580 | 2767 | 2349 | 3383 | 6088 | 6370 | 8661 | 9724 | 10202 | 9813 | 9735 | 9549 | 9503 | 8208 | 7230 |

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: 9/20/2016

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------|-----------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1 1929 Regional Report Surplus Deficit | 948 | 635 | 237 | 1026 | 1886 | -265 | -2519 | -1332 | -940 | 1337 | 2271 | 2149 | 1717 | -1751 | 233 |
| 2 1930 Regional Report Surplus Deficit | -789 | -1627 | -68.7 | 626 | 1378 | -1083 | -3633 | -515 | -582 | 2141 | 2723 | 1503 | -1357 | 289 | -192 |
| 3 1931 Regional Report Surplus Deficit | -754 | -1629 | -194 | 670 | 1587 | -536 | -3828 | -2712 | 368 | 1812 | -2018 | 2254 | -2295 | 614 | -432 |
| 4 1932 Regional Report Surplus Deficit | -665 | -1753 | -287 | 606 | 560 | -541 | -3130 | -3227 | 2209 | 8499 | 9328 | 8675 | 7645 | 3329 | 1978 |
| 5 1933 Regional Report Surplus Deficit | 964 | 99.6 | 716 | 847 | 2290 | 2208 | 3267 | 3776 | 4100 | 4581 | 3870 | 5705 | 9534 | 8323 | 3788 |
| 6 1934 Regional Report Surplus Deficit | 3793 | 2782 | 1376 | 2851 | 7393 | 8459 | 8748 | 8654 | 8435 | 11114 | 8864 | 6928 | 4082 | 1223 | 5931 |
| 7 1935 Regional Report Surplus Deficit | -1611 | -1956 | -764 | 798 | 1798 | 318 | 3144 | 3353 | 3772 | 1560 | 4054 | 5064 | 3700 | 4308 | 2203 |
| 8 1936 Regional Report Surplus Deficit | 2118 | -951 | -161 | 594 | 1320 | -601 | -3804 | -1410 | -261 | 2705 | 7251 | 8575 | 7008 | 1534 | 1530 |
| 9 1937 Regional Report Surplus Deficit | -1061 | -1863 | -480 | 576 | 1422 | -398 | -3818 | -2702 | -1094 | 1625 | -1069 | 3082 | 1112 | -145 | -293 |
| 10 1938 Regional Report Surplus Deficit | -543 | -1795 | -26.6 | 775 | 2293 | 501 | 2524 | 2865 | 4308 | 7470 | 10715 | 8708 | 5530 | 3617 | 3242 |
| 11 1939 Regional Report Surplus Deficit | -1059 | -1607 | 332 | 794 | 1287 | -359 | 22.9 | 420 | 797 | 4742 | 6558 | 5174 | 802 | 988 | 1212 |
| 12 1940 Regional Report Surplus Deficit | -1080 | -2034 | -299 | 853 | 1968 | 1212 | -1085 | 572 | 4979 | 4738 | 4571 | 4628 | 1116 | -88.6 | 1413 |
| 13 1941 Regional Report Surplus Deficit | -1711 | -2282 | -480 | 698 | 1256 | -334 | -2656 | -1065 | -690 | 47.5 | 1498 | 2703 | 383 | 36.9 | -114 |
| 14 1942 Regional Report Surplus Deficit | -968 | -1813 | 112 | 755 | 2038 | 2867 | 1067 | 1298 | 335 | 2193 | 4715 | 4168 | 4187 | 5716 | 2052 |
| 15 1943 Regional Report Surplus Deficit | 502 | 235 | 1063 | 831 | 1468 | 931 | 3639 | 3820 | 4887 | 12345 | 10977 | 7207 | 9407 | 7916 | 4421 |
| 16 1944 Regional Report Surplus Deficit | 1440 | 97.4 | 330 | 968 | 1689 | -44.8 | -1905 | -867 | -1325 | 657 | 2266 | 480 | -2854 | -1077 | -198 |
| 17 1945 Regional Report Surplus Deficit | -1244 | -1774 | -455 | 469 | 978 | -688 | -2960 | -1583 | -661 | 884 | -378 | 5612 | 6028 | -740 | 397 |
| 18 1946 Regional Report Surplus Deficit | -1197 | -1723 | -100 | 789 | 2187 | 1469 | 2043 | 2716 | 3819 | 8788 | 10744 | 8901 | 6026 | 5435 | 3460 |
| 19 1947 Regional Report Surplus Deficit | 2063 | 1902 | 1027 | 899 | 3416 | 6049 | 5704 | 5856 | 6152 | 7022 | 6577 | 7797 | 6023 | 4683 | 4693 |
| 20 1948 Regional Report Surplus Deficit | 619 | -573 | 932 | 5805 | 5879 | 3161 | 5200 | 3823 | 4065 | 5556 | 8310 | 9820 | 9572 | 6489 | 5144 |
| 21 1949 Regional Report Surplus Deficit | 4035 | 3643 | 1918 | 1469 | 2817 | 616 | 930 | 1070 | 6658 | 6783 | 9559 | 9229 | 6527 | 290 | 3634 |
| 22 1950 Regional Report Surplus Deficit | -1022 | -2143 | -340 | 952 | 1478 | 1351 | 4942 | 7310 | 6575 | 9975 | 8432 | 7211 | 9541 | 9649 | 4664 |
| 23 1951 Regional Report Surplus Deficit | 4244 | 3867 | 1748 | 3391 | 7060 | 7076 | 8128 | 9276 | 9505 | 10858 | 9542 | 8873 | 6156 | 7195 | 6875 |
| 24 1952 Regional Report Surplus Deficit | 2577 | 186 | 1321 | 4855 | 4606 | 3564 | 4089 | 4723 | 5183 | 9050 | 11348 | 10105 | 6832 | 4114 | 5073 |
| 25 1953 Regional Report Surplus Deficit | 1065 | -962 | -367 | 779 | 1439 | -237 | -1002 | 6313 | 2427 | 3238 | 3756 | 6771 | 9572 | 7706 | 3045 |
| 26 1954 Regional Report Surplus Deficit | 527 | 899 | 1102 | 1348 | 3550 | 2662 | 3861 | 6873 | 5991 | 6643 | 6403 | 8052 | 7955 | 9472 | 4826 |
| 27 1955 Regional Report Surplus Deficit | 5222 | 5355 | 4905 | 1671 | 4918 | 2109 | -637 | 1360 | -1377 | 2739 | 2566 | 4726 | 9527 | 9035 | 3682 |
| 28 1956 Regional Report Surplus Deficit | 3823 | 1874 | 747 | 2712 | 6188 | 6479 | 7684 | 8101 | 8322 | 9492 | 11105 | 9780 | 9615 | 7654 | 6688 |
| 29 1957 Regional Report Surplus Deficit | 2733 | 2807 | 1354 | 2122 | 2862 | 2975 | 2076 | 966 | 5214 | 8704 | 5635 | 10326 | 9462 | 2863 | 4195 |
| 30 1958 Regional Report Surplus Deficit | 292 | -898 | 135 | 900 | 1797 | 680 | 2883 | 4031 | 4010 | 5245 | 6876 | 9260 | 8138 | 2140 | 3295 |
| 31 1959 Regional Report Surplus Deficit | 436 | -1135 | 164 | 1241 | 4727 | 5249 | 6570 | 6488 | 6479 | 8410 | 6247 | 7100 | 8260 | 8159 | 5104 |
| 32 1960 Regional Report Surplus Deficit | 3559 | 3169 | 5873 | 7246 | 7708 | 4595 | 2827 | 3544 | 4201 | 12857 | 8296 | 5138 | 6753 | 4645 | 5531 |
| 33 1961 Regional Report Surplus Deficit | 1863 | -911 | 497 | 1180 | 3342 | 1115 | 2862 | 4756 | 6884 | 6350 | 4324 | 7892 | 7949 | 2133 | 3683 |
| 34 1962 Regional Report Surplus Deficit | 395 | -891 | -32.7 | 742 | 2040 | 1003 | 2014 | 2626 | 129 | 9876 | 10801 | 7079 | 5215 | 2583 | 2773 |
| 35 1963 Regional Report Surplus Deficit | 1345 | 75.5 | 253 | 2190 | 5042 | 4419 | 3577 | 4420 | 2144 | 2718 | 3577 | 5774 | 5065 | 3916 | 3379 |
| 36 1964 Regional Report Surplus Deficit | 624 | -484 | 1340 | 851 | 2640 | 1011 | 358 | 699 | 905 | 7128 | 3370 | 6595 | 9832 | 8794 | 3197 |
| 37 1965 Regional Report Surplus Deficit | 3787 | 2845 | 2577 | 2630 | 3875 | 6701 | 8991 | 9309 | 8579 | 6007 | 10960 | 9049 | 6539 | 4560 | 6200 |
| 38 1966 Regional Report Surplus Deficit | 3275 | 2584 | 746 | 1671 | 2944 | 1475 | 1390 | 1937 | 1406 | 10141 | 5293 | 3768 | 4705 | 4317 | 2912 |
| 39 1967 Regional Report Surplus Deficit | 1514 | -803 | 410 | 810 | 1798 | 2777 | 5747 | 6159 | 5668 | 5045 | 704 | 6299 | 9315 | 7673 | 4143 |
| 40 1968 Regional Report Surplus Deficit | 2052 | 1281 | 1167 | 1856 | 3702 | 1734 | 3242 | 5552 | 5723 | 2329 | 2154 | 3266 | 7639 | 5367 | 3578 |
| 41 1969 Regional Report Surplus Deficit | 2299 | 1622 | 3655 | 3274 | 5988 | 3626 | 6941 | 7251 | 5889 | 10236 | 10738 | 9972 | 7432 | 4593 | 5900 |
| 42 1970 Regional Report Surplus Deficit | 519 | -974 | 750 | 1521 | 2590 | 267 | 2931 | 3389 | 2189 | 3297 | 2798 | 6652 | 8611 | 1188 | 2724 |
| 43 1971 Regional Report Surplus Deficit | 150 | -1228 | 19.7 | 864 | 1839 | 1773 | 7692 | 9984 | 8312 | 9763 | 9469 | 9643 | 9874 | 8764 | 5619 |
| 44 1972 Regional Report Surplus Deficit | 4059 | 4019 | 1699 | 2126 | 3280 | 2339 | 6983 | 9478 | 11839 | 13266 | 8541 | 9405 | 9713 | 8789 | 6696 |
| 45 1973 Regional Report Surplus Deficit | 4750 | 4541 | 2222 | 2025 | 2938 | 2059 | 2080 | 1224 | 0.84 | 1208 | 1489 | 2935 | -494 | 165 | 1770 |
| 46 1974 Regional Report Surplus Deficit | -917 | -1625 | -199 | 1169 | 2074 | 3675 | 10003 | 10528 | 10611 | 11293 | 10751 | 9069 | 9726 | 9838 | 6325 |
| 47 1975 Regional Report Surplus Deficit | 4457 | 4588 | 1862 | 1366 | 1438 | 1407 | 3184 | 3787 | 4463 | 3514 | 3380 | 8245 | 9382 | 8970 | 4347 |
| 48 1976 Regional Report Surplus Deficit | 2091 | 1945 | 2175 | 3494 | 6632 | 8480 | 6973 | 7546 | 7490 | 10439 | 8741 | 9704 | 7567 | 8152 | 6646 |
| 49 1977 Regional Report Surplus Deficit | 5791 | 6231 | 6430 | 1683 | 1741 | -708 | -1280 | -512 | -625 | 128 | 470 | -47.2 | -3626 | -1015 | 701 |
| 50 1978 Regional Report Surplus Deficit | -1250 | -2084 | -778 | -540 | 1326 | 1540 | 1751 | 2878 | 2946 | 9460 | 6294 | 7879 | 3598 | 5034 | 2647 |
| 51 1979 Regional Report Surplus Deficit | 975 | 142 | 3106 | 1748 | 2615 | -377 | -1537 | 2130 | 3043 | 2280 | 3832 | 6639 | 3154 | -1008 | 1913 |
| 52 1980 Regional Report Surplus Deficit | -1295 | -1923 | 207 | 844 | 1438 | -425 | 320 | -278 | 129 | 4733 | 7238 | 9796 | 7978 | 1945 | 2195 |
| 53 1981 Regional Report Surplus Deficit | -1096 | -1547 | 611 | 774 | 2704 | 5095 | 5720 | 5944 | 2502 | 675 | 3467 | 5838 | 8521 | 6536 | 3734 |
| 54 1982 Regional Report Surplus Deficit | 3153 | 2964 | 1098 | 1274 | 3286 | 1847 | 4147 | 9879 | 10247 | 9300 | 7215 | 9099 | 8994 | 9598 | 5870 |

Regional Report Surplus Deficit By Water Year

Operating Year 2027

2016 White Book Report Date: **9/20/2016** *Continued*

S140-WB-20161121-220001

| Energy-aMW - Surplus Deficit | Aug1 | Aug1 6 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul | Avg |
|---|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|
| 55 1983 Regional Report Surplus Deficit | 3738 | 3776 | 3138 | 2931 | 3637 | 3044 | 5957 | 6945 | 8790 | 7461 | 5729 | 7492 | 7324 | 7832 | 5614 |
| 56 1984 Regional Report Surplus Deficit | 3395 | 2943 | 1845 | 1740 | 6971 | 3351 | 5007 | 5594 | 5410 | 9737 | 8986 | 7363 | 8724 | 6339 | 5390 |
| 57 1985 Regional Report Surplus Deficit | 2623 | 513 | 1956 | 1834 | 3916 | 1358 | 802 | 1445 | 1649 | 6434 | 7515 | 6854 | 2640 | 508 | 2619 |
| 58 1986 Regional Report Surplus Deficit | -2088 | -2139 | 29.5 | 2362 | 4744 | 1539 | 3346 | 5678 | 10128 | 10689 | 9690 | 5858 | 6288 | 2175 | 4160 |
| 59 1987 Regional Report Surplus Deficit | 113 | -1667 | 47.4 | 1329 | 2766 | 1487 | -524 | 637 | 2667 | 1467 | 3505 | 5144 | 2492 | -72.8 | 1473 |
| 60 1988 Regional Report Surplus Deficit | -1485 | -2219 | 3.18 | 398 | 806 | -921 | -3068 | -2858 | -28.8 | 1228 | 2914 | 2707 | -416 | 1430 | -131 |
| 61 1989 Regional Report Surplus Deficit | -830 | -1798 | -370 | 850 | 2126 | 339 | -1927 | -2508 | 2134 | 5316 | 10585 | 6068 | 3166 | 1177 | 1487 |
| 62 1990 Regional Report Surplus Deficit | -820 | -1538 | -71.3 | 832 | 3181 | 2759 | 2950 | 5126 | 5181 | 5261 | 9052 | 5272 | 6868 | 4181 | 3499 |
| 63 1991 Regional Report Surplus Deficit | 2223 | 1425 | 111 | 968 | 7007 | 3525 | 4993 | 5446 | 5395 | 7420 | 5017 | 6288 | 6621 | 7853 | 4677 |
| 64 1992 Regional Report Surplus Deficit | 3719 | 1975 | 233 | 940 | 1226 | -537 | -1342 | 1141 | 1867 | 1007 | 1224 | 2285 | -1635 | -722 | 616 |
| 65 1993 Regional Report Surplus Deficit | -1393 | -2234 | -572 | 232 | 1258 | -1238 | -3181 | -3403 | 1014 | 3224 | 3920 | 6620 | 4769 | 1463 | 743 |
| 66 1994 Regional Report Surplus Deficit | 205 | -954 | 291 | 704 | 1695 | -466 | -2697 | -1499 | 725 | 1083 | 3331 | 3320 | 1917 | 430 | 525 |
| 67 1995 Regional Report Surplus Deficit | -1033 | -2083 | -205 | 494 | 1137 | 433 | 215 | 2413 | 3056 | 6536 | 3456 | 6098 | 7964 | 3303 | 2348 |
| 68 1996 Regional Report Surplus Deficit | 45.4 | -951 | 947 | 2624 | 8572 | 9890 | 9399 | 10701 | 11497 | 10575 | 11633 | 9419 | 7613 | 7787 | 7400 |
| 69 1997 Regional Report Surplus Deficit | 3230 | 1905 | 1211 | 1298 | 3517 | 3711 | 9446 | 10791 | 11084 | 11283 | 11363 | 9686 | 9453 | 8914 | 6888 |
| 70 1998 Regional Report Surplus Deficit | 3746 | 4127 | 3587 | 6431 | 5767 | 1808 | 1537 | 3809 | 2625 | 4652 | 5341 | 9360 | 9225 | 3765 | 4733 |
| 71 1999 Regional Report Surplus Deficit | 2155 | 55.6 | 550 | 1443 | 1574 | 3556 | 7129 | 7864 | 8422 | 7337 | 8569 | 7282 | 9317 | 9061 | 5421 |
| 72 2000 Regional Report Surplus Deficit | 5619 | 4406 | 1988 | 1367 | 7367 | 4697 | 3130 | 3328 | 4084 | 9152 | 10470 | 7371 | 2479 | 3178 | 4482 |
| 73 2001 Regional Report Surplus Deficit | 1401 | -1642 | -331 | 954 | 1328 | -299 | -2381 | -1394 | -1085 | 746 | 724 | 1568 | -3802 | -1047 | -486 |
| 74 2002 Regional Report Surplus Deficit | -1400 | -2005 | -779 | -858 | 922 | -84.8 | -1287 | -697 | 747 | 4235 | 7878 | 5312 | 8086 | 6514 | 1854 |
| 75 2003 Regional Report Surplus Deficit | 555 | -304 | -19.0 | 696 | 1668 | -823 | -2147 | -1115 | 3268 | 3899 | 4405 | 4702 | 6851 | 178 | 1462 |
| 76 2004 Regional Report Surplus Deficit | -1609 | -2427 | -174 | 849 | 2540 | 993 | -907 | -1583 | 914 | 2817 | 3478 | 4383 | 2997 | 1570 | 1068 |
| 77 2005 Regional Report Surplus Deficit | -1523 | -1082 | 1422 | 1546 | 2747 | 1880 | 897 | 2475 | 95.2 | 1094 | 2649 | 4945 | 3310 | 1041 | 1732 |
| 78 2006 Regional Report Surplus Deficit | -509 | -1736 | 485 | 515 | 2025 | 990 | 5027 | 4528 | 4252 | 9410 | 10061 | 8867 | 8016 | 2619 | 3807 |
| 79 2007 Regional Report Surplus Deficit | -449 | -1837 | -93.4 | 262 | 3565 | 1591 | 2959 | 2316 | 6333 | 7928 | 4587 | 6136 | 3818 | 3420 | 2950 |
| 80 2008 Regional Report Surplus Deficit | -503 | -2222 | -163 | 756 | 1876 | -251 | -790 | -363 | 1218 | 3431 | 160 | 7445 | 9633 | 5149 | 2083 |
| Ranked Averages | | | | | | | | | | | | | | | |
| 81 Bottom 10 pct | -251 | -1316 | -123 | 739 | 1419 | -485 | -2976 | -1681 | -672 | 1199 | 1164 | 2056 | -939 | -206 | -201 |
| 82 Middle 80 pct | 1040 | 130 | 880 | 1447 | 2967 | 1690 | 2050 | 3016 | 3660 | 5838 | 5961 | 6667 | 6207 | 4083 | 3255 |
| 83 Top 10 pct | 2545 | 1735 | 1363 | 2431 | 5150 | 6044 | 8451 | 9466 | 9866 | 10402 | 10330 | 9373 | 8298 | 7861 | 6715 |

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