**PROVIDER OF CHOICE**

**DRAFT SLICE/BLOCK CONTRACT TEMPLATE**

**December 19, 2024 Version**

This is the draft Slice/Block Template. Stakeholder feedback and comments are requested.

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| --- |
| **To Provide Comments:**1. Use “Review” menu to ensure Track Changes is on; provide redlined contract edits.
2. Add “New Comment” to use a comment box to provide suggested edits, comments, questions, or rationale for redlines.
3. Stakeholders can provide comments on the Master template or in the individual Load Following, Block and Slice/Block templates.
4. Please note the version dates of the provisions; they represent the most recent version shared at workshop.
5. Please provide review on this or associated individual templates by **Friday, January 10, 2025**.
6. Send comments to:**post2028@bpa.gov**and copy your Power Account Executive.
 |

**Key:**

|  |  |
| --- | --- |
| **Style** | **Key** |
| Black non-italicized text | Draft contract language |
| ***Pink italicized text*** | Notes/directions to staff who will tailor the template for an individual customer’s contract. Pink text will be deleted in a final contract offer. |
| ***Blue italicized text*** | Notes to the reviewers (customers and others.) |
| **Red text** | Where a drafter must ‘fill-in-the-blank.’ Red text will be converted to black text and will become part of the final contract.  |
| ***Red italicized text*** | The version date in parentheses indicates the last date that the section was updated and integrated into the template. This text is hidden; to make it visible, click on the show/hide paragraph symbol (¶). |
| Grey shaded text | Language that has not yet been shared at workshops or is not ready for stakeholder comment. It is intended to be for reference only and is not intended to be reviewed.  |

Contract No. «##»PS-«#####»

**DRAFT** 12/19/2024 4:27 PM

*{When finalized, delete date here and move it to the author information line at the bottom of signature page.}*

**POWER SALES AGREEMENT**

**executed by the**

**BONNEVILLE POWER ADMINISTRATION**

**and**

**«FULL NAME OF CUSTOMER»**

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*END Option 1*

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This POWER SALES AGREEMENT (Agreement) is executed by the UNITED STATES OF AMERICA, Department of Energy, acting by and through the BONNEVILLE POWER ADMINISTRATION (BPA), and «FULL NAME OF CUSTOMER» («Customer Name»), hereinafter individually referred to as “Party” and collectively referred to as the “Parties”. «Customer Name» is a «public utility district, people’s utility district, non-profit corporation, municipal corporation, public body formed under tribal law, federal agency», organized and authorized under the laws of the State of «State», to purchase and distribute electric power to serve retail consumers from its distribution system within its service area. *Drafter’s Note: modify the previous sentence for tribal utilities and federal agencies to reflect their legal status independent of the state.*

RECITALS ***(10/22/24 Version)***

*Option: Include this first recital for customers that had a Regional Dialogue contract and include that RD contract number.*

«Customer Name»’s power sales agreement Contract No. «##PB»‑«#####» continues through September 30, 2028, and power deliveries under this Agreement begin on October 1, 2028. All obligations and liabilities accrued under Contract No. «##PB»‑«#####» are preserved until satisfied.*End Option*

BPA is a functionally separated organization with distinct administrative and decision-making activities for BPA’s power and transmission functions. References in this Agreement to Power Services or Transmission Services are solely for the purpose of clarifying which BPA function is responsible for such.

BPA is authorized to market electric power to qualified entities eligible to purchase such power. Under section 5(b)(1) of the Northwest Power Act, BPA is obligated to offer a power sales agreement to any eligible customer for the sale and purchase of electric power to serve the customer’s regional consumer load not served by the customer’s resources.

In the final Provider of Choice Policy, BPA adopted a tiered rate pricing construct for electric power sold under section 5(b) of the Northwest Power Act to provide pricing signals and to encourage the timely development of regional power resource infrastructure to meet regional consumer loads under this Agreement.

This Agreement effectuates a Contract High Water Mark for «Customer Name» that establishes the amount of power «Customer Name» may purchase from BPA at Tier 1 Rates.

The Parties agree:

*Option 1: Include the following for customers who do NOT need RUS approval.*

**1. TERM** *(05/06/24 Version)*

This Agreement takes effect on the date signed by the Parties and expires on September 30, 2044. Performance by BPA and «Customer Name» shall commence on October 1, 2028, with the exception of those actions required prior to that date that are included in:

*END Option 1*

*Option 2: Include the following for customers who must obtain RUS approval to execute this Agreement.*

1. TERM ***(05/06/24 Version)***

This Agreement takes effect on the date signed by the Parties and expires on September 30, 2044, subject to approval of the United States Department of Agriculture Rural Utilities Service. Performance by BPA and «Customer Name» shall commence on October 1, 2028, with the exception of those actions required prior to that date that are included in:

*END Option 2*

(1) sections 3.3 through 3.6 of section 3, Power Purchase Obligation;

(2) section 4, Block Product;

(3) section 5, Slice Product;

(4) section 7, High Water Marks and Contract Demand Quantities;

(5) section 9, Elections to Purchase Power Priced at Tier 2 Rates;

(6) section 10, Tier 2 Remarketing and Resource Removal;

(7) section 11, Right to Change Purchase Obligation;

*Drafter’s Note: Include for customers served by Transfer Service*

(8) section 14, Delivery;

*END for customers served by Transfer Service*

*Drafter’s Note: Include for customers NOT served by Transfer Service*

(8) Intentionally Left Blank;

*END for customers NOT served by Transfer Service*

(9) section 17, Information Exchange and Confidentiality;

(10) section 18, Conservation and Renewables;

(11) section 19, Resource Adequacy;

(12) section 22, Governing Law and Dispute Resolution;

(13) section 25, Termination;

(14) Exhibit A, Net Requirements and Resources;

(15) Exhibit B, High Water Marks and Contract Demand Quantities;

(16) Exhibit C, Purchase Obligations;

(17) Exhibit D, Additional Products and Special Provisions;

*Drafter’s Note: Include for customers served by Transfer Service*

(18) Exhibit G, Principles of Non-Federal Transfer Service;

*END for customers served by Transfer Service*

*Drafter’s Note: Include for customers NOT served by Transfer Service*

(18) Intentionally Left Blank;

*END for customers NOT served by Transfer Service*

(19) Exhibit H, Renewable Energy Certificates and Carbon Attributes;

(20) Exhibit I, Critical Slice Amounts;

(21) Exhibit J, Preliminary Slice Percentage and Initial Slice Percentage;

(22) Exhibit K, Annual Determination of Slice Percentage;

(23) Exhibit L, RHWM Augmentation;

(24) Exhibit N, Slice Implementation Procedures;

(25) Exhibit O, Interim Slice Implementation Procedures;

(26) Exhibit P, Slice Computer Application Development Schedule; and

(27) Exhibit Q, Determination of Initial Slice Percentage.

Until October 1, 2028, section 19, Governing Law and Dispute Resolution will only apply to the extent there is a dispute regarding actions required in the above referenced sections and exhibits.

All obligations and liabilities accrued under this Agreement are preserved until satisfied.

**2. DEFINITIONS***(12/19/24 Version)*

Capitalized terms below shall have the meaning stated. Capitalized terms that are not listed below are either defined within the section or exhibit in which the term is used, or if not so defined, shall have the meaning stated in BPA’s applicable Wholesale Power Rate Schedules, including the General Rate Schedule Provisions (GRSPs). Definitions in **bold** indicate terms that are defined in the PRDM and that the Parties agree should conform to the PRDM as it may be revised. The Parties agree that if such definitions are revised pursuant to the PRDM, they shall promptly amend this Agreement to incorporate such revised definitions from the PRDM, to the extent they are applicable.

2.«#» “5(b)/9(c) Policy”*(XX/XX/XX Version)* means BPA’s Policy on Determining Net Requirements of Pacific Northwest Utility Customers Under Sections 5(b)(1) and 9(c) of the Northwest Power Act issued May 23, 2000, and its revisions or successors. ***[LF, SL, BL]***

2.«#» “7(i) Process”*(XX/XX/XX Version)* means a public process conducted by BPA, pursuant to Section 7(i) of the Northwest Power Act, 16 U.S.C. § 839e(i), or its successor, to establish rates for the sale of power and other products. ***[LF, SL, BL]***

2.«#» “Above-CHWM Load”*(XX/XX/XX Version)* means the forecasted portion of a customer’s Preliminary Net Requirement that is in excess of the customer’s CHWM, if any, as determined in the Above-CHWM Load Process. ***[LF, SL, BL]***

2.«#» “Above-CHWM Load Process”*(XX/XX/XX Version)* means the public process conducted during each Forecast Year, in which BPA will calculate the following values for the upcoming Rate Period:  (1) each customer’s Preliminary Net Requirement; (2) adjusted CHWMs ; and (3) each customer’s Above-CHWM Load. ***[LF, SL, BL]***

2.«#» “Actual BOS Generation”*(XX/XX/XX Version)* means the actual generation produced by the BOS Complex, as adjusted for actual Designated System Obligations and RHWM CHWM Modeled Augmentation. ***[SL]***

2.«#» “Actual Slice Output Energy” or “ASOE”*(XX/XX/XX Version)* means the actual amount of «Customer Name»’s Slice Output Energy BPA makes available to «Customer Name» at the Scheduling Points of Receipt. ***[SL]***

2.«#» “Annexed Load”*(XX/XX/XX Version)* means existing load, distribution system (regardless of voltage), or service territory «Customer Name» acquires after the Effective Date from another utility, by means of annexation, merger, purchase, trade, or other acquisition of rights, the acquisition of which has been authorized agreement between the impacted utilities or by a final state, regulatory, or court action. The Annexed Load must be served from distribution facilities of any voltage that are owned or acquired by «Customer Name». ***[LF, SL, BL]***

2.«#» “Annual Net Requirement”*(XX/XX/XX Version)* means BPA’s forecast of «Customer Name»’s Net Requirement for each Fiscal Year that results from the process established in section 1 of Exhibit A and is shown in the table in section 1.2 of Exhibit A. ***[SL, BL]***

2.«#» “Average Megawatts” or “aMW”*(XX/XX/XX Version)* means the amount of electric energy in megawatt‑hours (MWh) during a specified period of time divided by the number of hours in such period. ***[LF, SL, BL]***

2.«#» “Balance of System" or "BOS”*(XX/XX/XX Version)* means the Tier 1 System Resources other than the six Simulator Projects net of Designated System Obligations. Customers receive a share of the BOS complex in three different ways: via BOS Base Energy, BOS Deviation Return and BOS Flexibility. ***[SL]***

2.«#» “Balancing Authority”*(XX/XX/XX Version)* means the responsible entity that integrates resource plans ahead of time, maintains demand and resource balance within a Balancing Authority Area, and supports interconnection frequency in real time. ***[LF, SL, BL]***

2.«#» “Balancing Authority Area”*(XX/XX/XX Version)* means the collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load-resource balance within this area. ***[LF, SL, BL]***

2.«#» “Block” or “Block Product”*(XX/XX/XX Version)* means a planned amount of Firm Requirements Power sold to «Customer Name» to meet a portion of its regional consumer load pursuant to the terms set forth in section 4 of this Agreement. ***[SL, BL]***

2.«#» “BOS Base”*(XX/XX/XX Version)* means the forecast generation amounts available from the BOS Complex, as adjusted by BPA for forecast Tier 1 System Obligations and CHWM Modeled Augmentation. ***[SL]***

2.«#» “BOS Complex” or “Balance of System Complex”*(XX/XX/XX Version)* means the Tier 1 System Resources, except those resources that comprise the Coulee-Chief Complex and Lower Columbia Complex. ***[SL]***

2.«#» “BOS Deviation Account”*(XX/XX/XX Version)* means the account BPA maintains that quantifies the cumulative amount, expressed in megawatt days, by which «Customer Name»’s hourly BOS Base schedules deviate from the amount determined by multiplying «Customer Name»’s Slice Percentage by the hourly Actual BOS Generation. ***[SL]***

2.«#» “BOS Deviation Return”*(XX/XX/XX Version)* means the energy amounts associated with the reduction of «Customer Name»’s BOS Deviation Account balance. ***[SL]***

2.«#» “BOS Flex”*(XX/XX/XX Version)* means the amount by which the BOS Base can reasonably be reshaped within a given calendar day by utilizing the flexibility available from the Lower Snake Complex. ***[SL]***

2.«#» “BOS Module”*(XX/XX/XX Version)* means the POCSA module that is used to determine «Customer Name»’s Slice Output Energy and Delivery Limits available from the BOS Complex. ***[SL]***

2.«#» “Business Day(s)”*(XX/XX/XX Version)* every Monday through Friday, except federal holidays. ***[LF, SL, BL]***

2.«#» “Bypass Spill”*(XX/XX/XX Version)* means Spill that occurs at a hydroelectric project associated with lock operations, leakage and fish bypass systems. ***[SL]***

2.«#» “CGS Displacement”*(XX/XX/XX Version)* shall have the meaning as defined in section 5.8.1.2. ***[SL]***

2.«#» “CHWM Contract”*(XX/XX/XX Version)* means the power sales agreement between a customer and BPA that contains a Contract High Water Mark (CHWM), and under which the customer purchases power from BPA at rates established by BPA in accordance with the PRDM. ***[LF, SL, BL]***

2.«#» “CHWM Implementation Policy”*(XX/XX/XX Version)* means the policy that documents the process details around the FY 2026 CHWM Calculation Process and Above-CHWM Load Process. ***[LF, SL, BL]***

2.«#» “CHWM Modeled Augmentation”*(XX/XX/XX Version)* means a PRDM construct of a flat annual block of power used to establish the simulated Slice capability. ***[SL]***

2.«#» “CHWM System”*(XX/XX/XX Version*) means the annual Tier 1 Firm System Output, reduced for annual Designated System Obligations plus annual CHWM Modeled Augmentation as determined in each 7(i) Process. ***[SL]***

2.«#» “Columbia Generating Station” or “CGS”*(XX/XX/XX Version)* shall have the meaning as defined in section 5.8.1.1. ***[SL]***

2.«#» “Committed Power Purchase Amount”*(XX/XX/XX Version)* means an amount of firm energy, listed in sections 3 and 4 of Exhibit A, that «Customer Name» has agreed to supply and use to serve its Total Retail Load. Such amount is not attributed to a Specified Resource. ***[LF, SL, BL]***

2.«#» “Consumer-Owned Resource”*(XX/XX/XX Version)* means a Generating Resource connected to «Customer Name»’s distribution system (regardless of voltage) from which the output is owned by a retail consumer, has a nameplate capability greater than 1.000 megawatt, is operated to serve load, and is not operated occasionally or intermittently as a back-up energy source at times of maintenance or forced outage. Consumer-Owned Resource does not include a resource where the owner of the resource is a retail consumer that exists solely for the purpose of selling wholesale power and for which «Customer Name» only provides incidental station service energy for local use at the retail consumer’s generating plant for uses such as lighting, heat and the operation of auxiliary equipment. ***[LF, SL, BL]***

2.«#» “Contract High Water Mark” or “CHWM”*(XX/XX/XX Version)* means the amount of Firm Requirements Power (expressed in annual Average Megawatts) that a customer is eligible to access at Tier 1 Rates.  The amount of Firm Requirements Power a customer purchases at Tier 1 Rates is limited to the lesser of its CHWM or its Net Requirement. ***[LF, SL, BL]***

2.«#» “Coulee-Chief Complex”*(XX/XX/XX Version)* means the two hydroelectric projects located in the middle reach of the Columbia River, consisting of Grand Coulee and Chief Joseph. ***[SL]***

2.«#» “Customer Inputs” *(XX/XX/XX Version)* means the discharge, elevation, or generation requests at each of the Simulator Projects that «Customer Name» submits as inputs to the Simulator pursuant to section 3.3 of Exhibit L. ***[SL]***

2.«#» “Dedicated Resource”*(XX/XX/XX Version)* means a Specified Resource or a Committed Power Purchase Amount listed in Exhibit A that «Customer Name» is required by statute to provide or obligates itself to provide under this Agreement for use to serve its Total Retail Load. ***[LF, SL, BL]***

2.«#» “Default User Interface” or “DUI”*(XX/XX/XX Version)* shall have the meaning as defined in section 5.9.1.1. ***[SL]***

2.«#» “Delivery Limits”*(XX/XX/XX Version)* means the limits that govern the availability of Slice Output and the scheduling of Slice Output Energy by «Customer Name» as determined by BPA, and implemented through the POCSA. ***[SL]***

2.«#» “Designated System Obligations”*(XX/XX/XX Version)* means the set of obligations specified in Table 3-2 of the PRDM, that: (1) are directly assigned to the generation output or capability of the Tier 1 System Resources; or (2) are incurred because of contracts, operational obligations, memorandums of agreement, treaties, statutes, regulations, court orders, or executive orders, individually or in combination, that create a firm obligation for the Tier 1 System Resources. Designated System Obligations also includes the portion of BPA’s ancillary and control area service obligations that are provided from the Tier 1 System Resources. ***[SL]***

2.«#» “DFS Excess Amount”*(XX/XX/XX Version)* means the amount by which the scheduled generation from a Specified Renewable Resource listed in section 2.3.6.1 for the applicable period is greater than the Planned Resource Amount of such Specified Renewable Resource, but is less than or equal to the Operating Maximum of such Specified Renewable Resource. ***[SL]***

2.«#» “DFS Support Amount”*(XX/XX/XX Version)* TBD ***[SL]***

2.«#» “Diurnal Flattening Service” or “DFS”(XX/XX/XX Version) TBD ***[LF, SL, BL]***

2.«#» “Diurnal”*(XX/XX/XX Version)* means the division of hours within a month between Heavy Load Hours (HLH) and Light Load Hours (LLH). ***[LF, SL, BL]***

2.«#» “Due Date”*(XX/XX/XX Version)* shall have the meaning as described in section 16.2. ***[LF, SL, BL]***

2.«#» “Effective Date”*(XX/XX/XX Version)* means the date on which this Agreement has been signed by both «Customer Name» and BPA. ***[LF, SL, BL]***

2.«#» “Elective Spill”*(XX/XX/XX Version)* means Spill other than Bypass Spill or Fish Spill that occurs at a hydroelectric project and is within such project’s available turbine capacity such that the Spill may otherwise be utilized to produce energy. ***[SL]***

2.«#» “Environmental Attributes”*(XX/XX/XX Version)* shall have the meaning as defined in section 2 of Exhibit H. ***[LF, SL, BL]***

2.«#» “Existing Resource”*(XX/XX/XX Version)* means a Specified Resource listed in section 2 of Exhibit A that «Customer Name» was obligated by contract or statute to use to serve «Customer Name»’s Total Retail Load prior to October 1, 2023. ***[LF, SL, BL]***

2.«#» “Federal Columbia River Power System” or “FCRPS”*(XX/XX/XX Version)* means the integrated power system that includes, but is not limited to, the transmission system constructed and operated by BPA and the hydroelectric dams in the Pacific Northwest constructed and operated by the U.S. Army Corps of Engineers and the Bureau of Reclamation. ***[LF, SL, BL]***

2.«#» “Federal Operating Decision”*(XX/XX/XX Version)* means a decision made by the U.S. Army Corps of Engineers, the Bureau of Reclamation, BPA, or the United States Entity of the Columbia River Treaty, in accordance with the authority of each such entity, and as needed to meet Designated System Obligations not already reflected in the Simulator or BOS Module, that establishes the permissible range of operations for any project or projects that comprise the FCRPS. ***[SL]***

2.«#» “FERC”*(XX/XX/XX Version)* means the Federal Energy Regulatory Commission, or its successor. ***[LF, SL, BL]***

2.«#» “Firm Requirements Power”*(XX/XX/XX Version)* means electric power that BPA sells under this Agreement and makes continuously available to «Customer Name» to meet BPA’s obligations to «Customer Name» under Section 5(b) of the Northwest Power Act. ***[LF, SL, BL]***

2.«#» “Firm Slice Amount”*(XX/XX/XX Version)* means a customer’s Slice Percentage multiplied by the CHWM System. ***[SL]***

2.«#» “Fiscal Year” or “FY”*(XX/XX/XX Version)* means the period beginning each October 1 and ending the following September 30. ***[LF, SL, BL]***

2.«#» “Fish Spill”*(XX/XX/XX Version)* means Spill that occurs at a hydroelectric project in order to maintain compliance with established fish passage criteria, such as those criteria set forth in biological opinions. ***[SL]***

2.«#» “Flat Annual Shape”*(XX/XX/XX Version)* means a distribution of energy having the same Average Megawatt value of energy in each month of the year. ***[LF, SL, BL]***

2.«#» “Flat Within-Month Shape”*(XX/XX/XX Version)* means a distribution of energy having the same Average Megawatt value of energy in each Diurnal period of the month. ***[LF, SL, BL]***

2.«#» “Forced Outage”*(XX/XX/XX Version)* TBD ***[LF, SL]***

2.«#» “Forced Outage Reserve Service” or “FORS”*(XX/XX/XX Version)* means a service that provides an agreed-to amount of capacity and energy during forced outages and other specific events of a qualifying resource. ***[LF, SL, BL]***

2.«#» “Forecast Year”*(XX/XX/XX Version)* means the Fiscal Year ending one full year prior to the commencement of a Rate Period. ***[LF, SL, BL]***

2.«#» “FY 2026 CHWM Calculation Process”*(XX/XX/XX Version)* means the public process where BPA shall calculate each customer’s CHWM in accordance with section 2.4 of the Provider of Choice Policy, March 2024, as amended or revised. ***[LF, SL, BL]***

2.«#» “Generating Resource”*(XX/XX/XX Version)* means any source or amount of electric power from an identified electricity-producing unit, and for which the amount of power received by «Customer Name» or «Customer Name»’s retail consumer is determined by the power produced from such identified electricity-producing unit. Such unit may be owned by «Customer Name» or «Customer Name»’s retail consumer in whole or in part, or all or any part of the output from such unit may be owned for a defined period by contract. ***[LF, SL, BL]***

2.«#» “H/K”*(XX/XX/XX Version)* means, prospectively, a hydroelectric project’s water-to-energy conversion factor used to forecast such project’s potential energy production per unit of turbine discharge, expressed as MW per kcfs, or retrospectively, for any given period of time, the value equal to a hydroelectric project’s average Net Generation divided by such project’s average turbine discharge, expressed as MW per kcfs. ***[SL]***

2.«#» “Hard Operating Constraint”*(XX/XX/XX Version)* means an Operating Constraint that may not be exceeded without express consent from project operators, owners, or other federal agencies responsible for establishing such Operating Constraints. ***[SL]***

2.«#» “Heavy Load Hours” or “HLH”*(XX/XX/XX Version)* means hours ending 0700 through 2200 hours Pacific Prevailing Time (PPT), Monday through Saturday, excluding holidays as designated by the North American Electric Reliability Corporation (NERC). BPA may update this definition as necessary to conform to standards of the Western Electricity Coordinating Council (WECC), North American Energy Standards Board (NAESB), or NERC. ***[LF, SL, BL]***

2.«#» “Hydraulic Link Adjustment”*(XX/XX/XX Version)* means the adjustment to «Customer Name»’s simulated McNary inflow that is equal to the difference between «Customer Name»’s Calibrated Simulator Discharge for Chief Joseph and the measured Chief Joseph discharge, pursuant to section 3.7 of Exhibit M. ***[SL]***

2.«#» “Interchange Points”*(XX/XX/XX Version)* means the points where Balancing Authority Areas interconnect and at which the interchange of energy between Balancing Authority Areas is monitored and measured. ***[LF, SL, BL]***

2.«#» “Issue Date”*(XX/XX/XX Version)* shall have the meaning as described in section 16.1. ***[LF, SL, BL]***

2.«#» “Joint Operating Entity” or “JOE”*(XX/XX/XX Version)* means an entity that meets the requirements of Section 5(b)(7) of Northwest Power Act, 16 U.S.C. § 839c(b)(7). ***[LF, SL, BL]***

2.«#» “Light Load Hours” or “LLH”*(XX/XX/XX Version)* means: (1) hours ending 0100 through 0600 and 2300 through 2400 hours PPT, Monday through Saturday, and (2) all hours on Sundays and holidays as designated by NERC. BPA may update this definition as necessary to conform to standards of the WECC, NAESB, or NERC. ***[LF, SL, BL]***

2.«#» “Low Voltage Segment”*(XX/XX/XX Version)* means the facilities of a Third-Party Transmission Provider that are below 34.5kV. ***[LF, SL, BL]***

2.«#» “Lower Columbia Complex” or “LCOL Complex”*(XX/XX/XX Version)* means the four hydroelectric projects located on the lower reach of the Columbia River, consisting of McNary, John Day, The Dalles, and Bonneville. ***[SL]***

2.«#» “Lower Snake Complex” or “LSN Complex”*(XX/XX/XX Version)* means the four hydroelectric projects located on the lower reach of the Snake River, consisting of Lower Granite, Little Goose, Lower Monumental, and Ice Harbor. ***[SL]***

2.«#» “Maximum Potential CHWM”*(XX/XX/XX Version)* shall have the meaning as defined in section 1.2.5 of Exhibit B. ***[LF, SL, BL]***

2.«#» “Monthly Reimbursement Value”*(XX/XX/XX Version)* means the value determined by dividing the amount «Customer Name» is billed for a month under the applicable Customer Charges, as described pursuant to section 4 of the PRDM, by the sum of: (1) «Customer Name»’s ASOE for such month and (2) the amount of «Customer Name»’s Surplus Slice Output energy that is curtailed during such month. ***[SL]***

2.«#» “Net Requirement”*(XX/XX/XX Version)* means the amount of electric power that a customer may purchase from BPA to serve its Total Retail Load, minus amounts of its Dedicated Resources shown in Exhibit A, as determined consistent with Section 5(b)(1) of the Northwest Power Act. ***[LF, SL, BL]***

2.«#» “Network Resource”*(XX/XX/XX Version)* shall have the meaning as defined in section 1 of Exhibit G. ***[LF, SL, BL]***

2.«#» “New Large Single Load” or “NLSL”*(XX/XX/XX Version)* shall have the meaning as specified in section 3(13) of the Northwest Power Act and in BPA’s NLSL policy. ***[LF, SL, BL]***

2.«#» “New Resource”*(XX/XX/XX Version)* means: (1) a Specified Resource listed in section 2 of Exhibit A that «Customer Name» was or is first obligated by contract, or was or is obligated by statute, to use to serve «Customer Name»’s Total Retail Load after September 30, 2023, and (2) any Committed Power Purchase Amounts listed in Exhibit A. ***[LF, SL, BL]***

2.«#» “New Resource Rate” or “NR”*(XX/XX/XX Version)* means the rate for requirements firm power sold to an investor-owned utility (IOU) or Public customer pursuant to Section 7(f) of the Northwest Power Act, 16 U.S.C. § 839e(c). ***[LF, SL, BL]***

2.«#» “Northwest Power Act”*(XX/XX/XX Version)* means the Pacific Northwest Electric Power Planning and Conservation Act, 16 U.S.C. § 839 et seq., Public Law No. 96‑501, as amended. ***[LF, SL, BL]***

2.«#» “On-Site Consumer Load”*(XX/XX/XX Version)* means the load of an identified retail consumer of «Customer Name» that is electrically interconnected at the same Point of Delivery to «Customer Name»’s system with a Consumer-Owned Resource of that same identified retail consumer. Such load does not utilize BPA or Third-Party Transmission Provider transmission facilities to deliver the generation from the Consumer-Owned Resource to the consumer load. ***[LF, SL, BL]***

2.«#» “Open Access Transmission Tariff” or “OATT”*(XX/XX/XX Version)* means a transmission provider’s transmission tariff that has been accepted by FERC and that FERC has ruled is consistent with or superior to FERC’s pro forma OATT for purposes of reciprocity, or that is substantially similar to FERC’s pro forma OATT. ***[LF, SL, BL]***

2.«#» “Operating Constraints”*(XX/XX/XX Version)* means the operating limits, project operating requirements, and non-power constraints that are the result of implementing Federal Operating Decisions or Prudent Operating Decisions. ***[SL]***

2.«#» “Operating Maximum”*(XX/XX/XX Version)* means the highest level of power generation for a Specified Renewable Resource that is established for the applicable period pursuant to section 2.3.6.2 as the maximum hourly power delivery amount when the Specified Renewable Resource is operating. ***[SL]***

2.«#» “Operating Rule Curves” or “ORC”*(XX/XX/XX Version)* means the forebay operating limits established for a reservoir pursuant to operating agreements in effect, and as modified to reflect Operating Constraints, that are used to determine such reservoir’s upper forebay operating limit (upper ORC) or lower forebay operating limit (lower ORC). ***[SL]***

2.«#» “Planned NLSL”*(XX/XX/XX Version)* means the load at a facility that BPA and a customer have agreed, pursuant to the provisions of Section V.B. of the April 2001 Bonneville Power Administration New Large Single Load Policy or its successor (BPA’s NLSL Policy), is expected to become an NLSL during the facility’s next consecutive 12‑month monitoring period. ***[LF, SL, BL]***

2.«#» “Planned Resource Amount”*(XX/XX/XX Version)* means the expected level of power generation for a Specified Renewable Resource that is established for the applicable period pursuant to section 2.3.6.2 as the expected hourly power delivery amount when the Specified Renewable Resource is operating. ***[SL]***

2.«#» “Point of Delivery” or “POD”*(XX/XX/XX Version)* means the point where power is transferred from a transmission provider to «Customer Name». ***[LF, SL, BL]***

2.«#» “Point of Metering” or “POM”*(XX/XX/XX Version)* means the point at which power is measured. ***[LF, SL, BL]***

2.«#» “Potential NLSL”*(XX/XX/XX Version)* means a load at a single facility that BPA determines is capable of growing ten Average Megawatt or more in a consecutive 12‑month monitoring period that may qualify as an NLSL. ***[LF, SL, BL]***

2.«#» “Power Services”*(XX/XX/XX Version)* means the organization, or its successor organization, within BPA that is responsible for the management and sale of BPA-provided electric power. ***[LF, SL, BL]***

2.«#» “Preliminary Net Requirement”*(XX/XX/XX Version)* means the forecasted portion of a customer’s annual Net Requirement that BPA uses to calculate the customer’s Above-CHWM Load for each Fiscal Year. Preliminary Net Requirement is determined as the forecasted annual Total Retail Load less Existing Resources, NLSLs, Specified Resources added to Tier 1 Allowance Amount, and Consumer-Owned Resources serving On-Site Consumer Load, as determined in the Above-CHWM Load Process.  ***[SL, BL]***

2.«#» “Primary Points of Receipt”*(XX/XX/XX Version)* shall have the meaning as defined in section 14.1. ***[LF, SL, BL]***

2.«#» “Project Storage Bounds” or “PSB”*(XX/XX/XX Version)* means the Storage Content amounts associated with the upper ORC and lower ORC in effect at a project. ***[SL]***

2.«#» “Provider of Choice Slice Application” or “POCSA”*(XX/XX/XX Version)* means BPA’s proprietary computer hardware, software and related processes, developed, updated, and maintained by BPA and consisting of: (1) the Simulator; (2) the BOS Module; (3) the Default User Interface; (4) The Customer Facing Interface, and (5) other related processes, including but not limited to communications, scheduling, electronic tagging and accounting for Slice Output Energy, all as described in Exhibit L. ***[SL]***

2.«#» “Prudent Operating Decision”*(XX/XX/XX Version)* means a decision made by Power Services operations staff, in their exercise of reasonable judgment, that modifies the operating range applied to any project or projects that comprise the FCRPS for the purpose of meeting any BPA obligation, including but not limited to Federal Operating Decisions, except actions taken by Power Services solely to sell surplus power to loads BPA is not contractually obligated to serve under section 5 of the Northwest Power Act. Prudent Operating Decisions are applied for a finite period of time and in a manner that proportionally affects the amount of power from such project or projects that is available to BPA, to «Customer Name» under this Agreement, and to other Slice Customers under their respective Slice/Block Power Sales Agreements. ***[SL]***

2.«#» “Public Rate Design Methodology” or “PRDM”*(XX/XX/XX Version)* means the methodology describing the manner in which BPA will collect a portion of its revenue requirement from Public customers with a CHWM Contract through a combination of charges, credits, fees, and discounts, as well as the terms and conditions related to any potential changes to the methodology. ***[LF, SL, BL]***

2.«#» “Rate Case Year”*(XX/XX/XX Version)* means the Fiscal Year ending prior to the commencement of a Rate Period. The Rate Case Year immediately follows the Forecast Year and is the year in which the 7(i) Process for the next Rate Period is conducted. ***[LF, SL, BL]***

2.«#» “Rate Period”*(XX/XX/XX Version)* means the period of time during which a specific set of rates established by BPA pursuant to the PRDM is intended to remain in effect. ***[LF, SL, BL]***

2.«#» “Region”*(XX/XX/XX Version)* means the Pacific Northwest as defined in section 3(14) of the Northwest Power Act. ***[LF, SL, BL]***

2.«#» “Renewable Energy Certificates” or “RECs”*(XX/XX/XX Version)* shall have the meaning as defined in section 2 of Exhibit H. ***[LF, SL, BL]***

2.«#» “Requirements Slice Output” or “RSO”*(XX/XX/XX Version)* means, for each month, the portion of «Customer Name»’s Slice Output Energy that is equal to the lesser of: (1) «Customer Name»’s Firm Slice Amount for such month; (2) «Customer Name»’s Annual Net Requirement for such month, less monthly amounts purchased under the Block Product, as specified in Exhibit C; or (3) «Customer Name»’s Total Retail Load metered for such month, less «Customer Name»’s Dedicated Resources shown in Exhibit A for such month and less monthly amounts purchased under the Block Product, as specified in Exhibit C. ***[SL]***

2.«#» “Resource Support Services” or “RSS”*(XX/XX/XX Version)* means a suite of services BPA Power Services provides to integrate federal and non-federal resources defined in the CHWM Contract and priced in each regular 7(i) Process consistent with section 6 of the PRDM. ***[LF, SL, BL]***

2.«#» “Scheduling Hour XX”*(XX/XX/XX Version)* means the 60‑minute period ending at XX:00. For example, Scheduling Hour 04 means the 60‑minute period ending at 4:00 a.m. ***[SL]***

2.«#» “Scheduling Points of Receipt”*(XX/XX/XX Version)* shall have the meaning as defined in section 14.1. ***[LF, SL, BL]***

2.«#» “Simulated Operating Scenario”*(XX/XX/XX Version)* means the simulated operation of the Simulator Projects, including the discharge amounts, generation amounts, and forebay elevations, as determined by the Simulator. ***[SL]***

2.«#» “Simulated Output Energy Schedule(s)”*(XX/XX/XX Version*) means the amount of energy that is calculated by the Simulator as «Customer Name»’s simulated generation amount associated with each Simulator Project. ***[SL]***

2.«#» “Simulator” or “Slice Water Routing Simulator”*(XX/XX/XX Version)* means the POCSA module used to determine «Customer Name»’s Slice Output and Delivery Limits available from the Simulator Projects. ***[SL]***

2.«#» “Simulator Parameters”*(XX/XX/XX Version)* means the operating parameters applicable to the Simulator Projects and which BPA develops as inputs to the Simulator to reflect Operating Constraints, pursuant to section 3.2 of Exhibit M. ***[SL]***

2.«#» “Simulator Pass Date”*(XX/XX/XX Version)* shall have the meaning as defined in section 5.9.1. ***[SL]***

2.«#» “Simulator Performance Test”*(XX/XX/XX Version)* shall have the meaning as defined in section 5.9.1. ***[SL]***

2.«#» “Simulator Project(s)”*(XX/XX/XX Version)* means any of the hydroelectric projects represented in the Simulator, including those projects that comprise the Coulee-Chief Complex and the Lower Columbia Complex. ***[SL]***

2.«#» “Slice Customer”*(XX/XX/XX Version)* means a customer that is purchasing the Slice Product pursuant to the Slice/Block CHWM Contract. ***[SL]***

2.«#» “Slice Operating Day”*(XX/XX/XX Version)* means a current day of actual electric service from the CHWM System to load. ***[SL]***

2.«#» “Slice Operations Forum” or “SOF”*(XX/XX/XX Version)* means the group that includes representatives from BPA, «Customer Name», and all other Slice Customers established pursuant to section 5.12. ***[SL]***

2.«#» “Slice Output”*(XX/XX/XX Version)* means the quantities of energy, peaking energy, storage, and ramping capabilities available from the Tier 1 System Resources, as adjusted for Tier 1 System Obligations and established pursuant to the POCSA, that «Customer Name» is entitled to purchase under the Slice Product, as determined by applying «Customer Name»’s Slice Percentage to such quantities. ***[SL]***

2.«#» “Slice Output Energy Request” or “SOER”*(XX/XX/XX Version)* means the amount of Slice Output Energy «Customer Name» requests that BPA makes available for any given hour as established per section 7 of Exhibit L. ***[SL]***

2.«#» “Slice Output Energy”*(XX/XX/XX Version)* means the energy made available to «Customer Name» under the Slice Product. ***[SL]***

2.«#» “Slice Percentage”*(XX/XX/XX Version)* means the percentage used to determine the amount of the Slice Product a customer purchases, pursuant to its CHWM Contract. ***[SL]***

2.«#» “Slice Product End Date”*(XX/XX/XX Version)* means the earlier of (1) 2400 hours Pacific Prevailing Time on September 30, 2044, or (2) the effective date of a conversion to another power product under section 11 of this Agreement, or (3) the date of termination of this Agreement. ***[SL]***

2.«#» “Slice Product”*(XX/XX/XX Version)* means the power product defined in section 5 of the CHWM Contract with the Slice/Block purchase obligation. ***[LF, SL, BL]***

2.«#» “Slice Scheduling Day”*(XX/XX/XX Version)* means the applicable day that final Customer Inputs are submitted for a given Slice Operating Day. The Slice Scheduling Day occurs the calendar day before the Slice Operating Day. ***[SL]***

2.«#» “Slice True-Up Adjustment Charge”*(XX/XX/XX Version)* means the amount charged to each Slice Product customer determined in accordance with section 2.7 of the PRDM. ***[SL]***

2.«#» “Slice/Block Power Sales Agreement”*(XX/XX/XX Version)* means this Agreement and all other agreements with Slice Customers that provide for the sale of the Slice/Block Product. ***[SL]***

2.«#» “Slice/Block Product”*(XX/XX/XX Version)* means «Customer Name»’s purchase obligation under the Slice Product and the Block Product to meet its regional consumer load obligation as described in section 3.1. ***[LF, SL, BL]***

2.«#» “Small Utility Adjustment”*(XX/XX/XX Version)* means the subsequent CHWM adjustment as provided in section 2.4.2.1 of the Provider of Choice Policy, March 2024, as amended or revised. ***[LF, SL, BL]***

2.«#» “Soft Operating Constraint”*(XX/XX/XX Version)* means an Operating Constraint, other than a Hard or Absolute Operating Constraint, that is to be achieved on a day-ahead planning basis, but may be exceeded after coordinating with project operators, owners, or other federal agencies responsible for establishing such Operating Constraints. ***[SL]***

2.«#» “Specified Renewable Resource”*(XX/XX/XX Version)* means a Specified Resource that has been established as renewable in the Northwest Power and Conservation Council’s most recent Power Plan or other resources that the Parties agree are renewable, such as biogas, biomass, geothermal, small hydro (nameplate capability less than or equal to ten megawatts), landfill gas, ocean, solar or wind resources. ***[SL]***

2.«#» “Specified Resource”*(XX/XX/XX Version)* means a Generating Resource that has a nameplate capability or maximum hourly purchase amount greater than 1.000 megawatt, that «Customer Name» is required by statute or has agreed to use to serve its Total Retail Load. Each such resource is identified as a specific Generating Resource listed in sections 2 and 4 of Exhibit A. ***[LF, SL, BL]***

2.«#» “Storage”*(XX/XX/XX Version)* means the ability of the Tier 1 System Resources to alter energy production among hours, days, and months by impounding water or releasing impounded water. ***[SL]***

2.«#» “Storage Content”*(XX/XX/XX Version)* means the amount of water stored in a project’s reservoir, expressed in thousands of second-foot-days (ksfd). The Storage Content is typically calculated based on a conversion of such reservoir’s measured forebay elevation, expressed in feet, to ksfd through the use of an established elevation-to-content conversion table. ***[SL]***

2.«#» “Storage Offset Adjustment” or “SOA”*(XX/XX/XX Version)* shall have the meaning as defined in section 2 of Exhibit M. ***[SL]***

2.«#» “Surplus Firm Power”*(XX/XX/XX Version)* means firm power that is in excess of BPA’s obligations, including those incurred under sections 5(b), 5(c), and 5(d) of the Northwest Power Act, as available. ***[LF, SL, BL]***

2.«#» “Surplus Slice Output”*(XX/XX/XX Version)* means, for any month, the amount of Slice Output Energy (and associated capacity) that is available to «Customer Name» under section 5 of this Agreement that exceeds «Customer Name»’s Requirements Slice Output for any such month. ***[SL]***

2.«#» “Third-Party Transmission Provider”*(XX/XX/XX Version)* means a transmission provider other than BPA that provides transmission service to serve «Customer Name» load. ***[LF, SL, BL]***

2.«#» “Tier 1 Allowance Amount”*(XX/XX/XX Version)* means the aggregate total nameplate capacity of qualifying Specified Resources listed in section 2 of Exhibit A that «Customer Name» is applying to offset its purchase obligation in accordance with section 3.5.2. ***[LF, SL, BL]***

2.«#» “Tier 1 Block Amounts”*(XX/XX/XX Version)* means the amount of Firm Requirements Power made available to «Customer Name» under the Block Product that is sold at Tier 1 Rates. ***[LF, SL, BL]***

2.«#» “Tier 1 Rate”*(XX/XX/XX Version)* shall have the meaning as described in section 8 of the PRDM. ***[LF, SL, BL]***

2.«#» “Tier 1 System”*(XX/XX/XX Version)* means the Tier 1 System Resources and Designated System Obligations. ***[SL]***

2.«#» “Tier 1 System Obligations”*(XX/XX/XX Version)* means the amount of energy and capacity that BPA forecasts for the Designated BPA System Obligations over a specific time period. ***[SL]***

2.«#» “Tier 1 System Resources”*(XX/XX/XX Version)* means the resources listed in Table 3-1 of the PRDM, as updated for any new resources, including market purchases, that BPA determines are needed to meet its CHWM obligations. ***[SL]***

2.«#» “Tier 2 Block Amounts”*(XX/XX/XX Version)* means the amount of Firm Requirements Power made available to «Customer Name» under the Block Product that is sold at Tier 2 Rates. ***[SL, BL]***

2.«#» “Tier 2 Long-Term Rate”*(XX/XX/XX Version)* means a Tier 2 Rate at which customers may elect to purchase Firm Requirements Power in accordance with section 2.3 of Exhibit C. ***[LF, SL]***

2.«#» “Tier 2 Rate”*(XX/XX/XX Version)* shall have the meaning as described in section 8 of the PRDM. ***[LF, SL, BL]***

2.«#» “Tier 2 Short-Term Rate”*(XX/XX/XX Version)* means a Tier 2 Rate at which customers may elect to purchase Firm Requirements Power in accordance with section 2.4 of Exhibit C. ***[LF, SL, BL]***

2.«#» “Tier 2 Vintage Rate”*(XX/XX/XX Version)* means a Tier 2 Rate(s) at which customers may elect to purchase Firm Requirements Power in accordance with section 2.5 of Exhibit C. ***[LF, SL, BL]***

2.«#» “Total Retail Load”*(XX/XX/XX Version)* means all retail electric power consumption, including electric system losses, within a customer’s electrical system, excluding:

(1) those loads BPA and the customer have agreed are non-firm or interruptible loads

(2) loads of other utilities served by such customer

(3) any loads not on such customer’s electrical system or not within such customer’s service territory, unless specifically agreed to by BPA.

***[LF, SL, BL]***

2.«#» “Transfer Service”*(XX/XX/XX Version)* means the transmission, distribution and other services provided by a Third-Party Transmission Provider to BPA to serve customer load over its transmission system, as listed in Exhibit E. ***[LF, SL, BL]***

2.«#» “Transfer Service Eligible Resource”*(XX/XX/XX Version)* means any (1) Dedicated Resource serving Total Retail Load, (2) Consumer‑Owned Resource serving On-Site Consumer Load, or (3) any new non-federal resource pursuant to section 14.6.7. ***[LF, SL, BL]***

2.«#» “Transmission Services” *(XX/XX/XX Version)* means the organization, or its successor organization, within BPA that is responsible for the management and sale of transmission service on the Federal Columbia River Transmission System. ***[LF, SL, BL]***

2.«#» “Transmission System Delivery Plan” or “Delivery Plan”*(XX/XX/XX Version)* means the plan for each Dedicated Resource serving «Customer Name»’s load or Consumer-Owned Resource serving On-Site Consumer Load that states the transmission system of the load that resource will serve. ***[LF, SL, BL]***

2.«#» “Uncontrollable Force” *(XX/XX/XX Version)* shall have the meaning as defined in section 18. ***[LF, SL, BL]***

3. SLICE/BLOCK POWER PURCHASE OBLIGATION *(12/18/24 Version)*

3.1 **Slice/Block Product Purchase Obligation**

From October 1, 2028, and continuing through September 30, 2044, BPA shall sell and make available, and «Customer Name» shall purchase the Slice/Block Product which includes: (1) a planned amount of Firm Requirements Power under the Block Product as set forth in sections 1 and 2 of Exhibit C; and (2) Slice Output under the Slice Product pursuant to section 5 and Exhibit K.

3.2 **Take or Pay**

«Customer Name» shall pay for (1) the Firm Requirements Power under the Block Product that «Customer Name» is obligated to purchase and that BPA makes available under section 3.1(1), and (2) the Slice Output including the Slice Output Energy under the Slice Product that «Customer Name» is obligated to purchase and that BPA makes available under section 3.1(2). «Customer Name» shall pay for such power at the rates BPA establishes in a 7(i) Process pursuant to the PRDM, whether or not «Customer Name» took delivery of such power.

3.3 **Application of** **Dedicated Resources**

«Customer Name» shall serve a portion of its Total Retail Load with the Dedicated Resources listed in Exhibit A as follows:

(1) Specified Resources, listed in section 2 of Exhibit A, and

(2) Committed Power Purchase Amounts, listed in section 3.1 of Exhibit A.

«Customer Name» shall use its Dedicated Resources to serve its Total Retail Load and the Parties shall specify amounts of such Dedicated Resources in Exhibit A as stated below for each specific resource and type. BPA shall use the amounts listed in Exhibit A to determine «Customer Name»’s Net Requirement for each Fiscal Year. The amounts listed are not intended to govern how «Customer Name» operates its Specified Resources.

3.3.1 **Specified Resources**

3.3.1.1 **Application of Specified Resources**

«Customer Name» shall use the output of all Specified Resources, listed in section 2 of Exhibit A, to serve «Customer Name»’s Total Retail Load.

3.3.1.2 **Determining Specified Resource Amounts**

For each Specified Resource listed in section 2 of Exhibit A, BPA, in consultation with «Customer Name», shall determine firm energy amounts for each Diurnal period and peak amounts for each month beginning with the later of the date the resource was dedicated to load or October 1, 2028, through the earlier of the date the resource will be permanently removed or September 30, 2044. BPA shall determine such amounts consistent with the 5(b)/9(c) Policy. BPA shall incorporate the peak amounts for each month for each Specified Resource listed in section 2 of Exhibit A consistent with section 3.4.

3.3.2 **Committed Power Purchase Amounts**

3.3.2.1 **Application of Committed Power Purchase Amounts**

To serve «Customer Name»’s Above-CHWM Load that it commits to meet with Dedicated Resources in Exhibit C, «Customer Name» shall provide and use Committed Power Purchase Amounts to meet any amount of its load not met with its Specified Resources listed in section 2 of Exhibit A.

3.3.2.2 **Determining Committed Power Purchase Amounts**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement forecast, as provided in section 1.1 of Exhibit A, BPA shall calculate and fill in the tables in section 3.1 of Exhibit A with «Customer Name»’s Committed Power Purchase Amounts for the remaining year(s) of the Rate Period. Upon termination or expiration of this Agreement any Committed Power Purchase Amounts listed in Exhibit A shall expire, and «Customer Name» shall have no further obligation to apply Committed Power Purchase Amounts.

3.4 **Peak Amount Methodologies**

3.5 **Changes to Dedicated Resources**

3.5.1 **Specified Resource Additions to Meet Above-CHWM Load**

3.5.1.1 Except as provided in section 3.5.1.2 below, «Customer Name» may elect with written notice to BPA by July 31 of a Rate Case Year to add Specified Resources to section 2 of Exhibit A, with amounts effective at the start of the upcoming Rate Period, to meet any obligations «Customer Name» may have in Exhibit C to serve its Above-CHWM Load with Dedicated Resources.

3.5.1.2 If «Customer Name» submits a Total Retail Load forecast eligible for an updated Net Requirement calculation consistent with section 17, then with written notice to BPA by January 31 ahead of power delivery for the applicable Fiscal Year «Customer Name» may elect to add Specified Resources to section 2 of Exhibit A, with amounts effective at the start of the applicable Fiscal Year, to meet any obligations «Customer Name» may have in Exhibit C to serve its Above-CHWM Load with Dedicated Resources.

3.5.1.3 BPA shall determine amounts for any Specified Resources added under sections 3.5.1.1 and 3.5.1.2 above in accordance with section 3.3.1.2. BPA shall revise Exhibit A accordingly by March 31 following «Customer Name»’s elections under this section 3.5.1.

3.5.2 **Specified Resources Added to Tier 1 Allowance** **Amount**

At any time over the term of the Agreement and by written notice to BPA, «Customer Name» may request for BPA to add Specified Resources that meet the qualifying criteria in section 3.5.2.1 to its Tier 1 Allowance Amount in section X of Exhibit J. BPA shall review such request and revise Exhibit A as soon as reasonably practical to include such resources, provided that BPA determines in its sole discretion that the Specified Resources meet such qualifying criteria. Any qualifying Specified Resource included in the Tier 1 Allowance Amount shall remain in the Tier 1 Allowance Amount for the term of the Agreement unless the resource is removed consistent with section 3.5.6. Any qualifying Specified Resource included in the Tier 1 Allowance Amount shall be treated as an Existing Resource for purposes of temporary resource removal as provided in section 10. «Customer Name»’s qualifying Specified Resources included in the Tier 1 Allowance Amount may be subject to charges pursuant to the applicable Wholesale Power Rate Schedules and GRSPs.

3.5.2.1 **Tier 1 Allowance Amount Limit**

«Customer Name»’s Tier 1 Allowance Amount shall be limited to the amount stated in section X of Exhibit J, and shall not exceed the lesser of 5 MW nameplate in aggregate or 50 percent of «Customer Name»’s CHWM reflected as a megawatt value. Such value will be considered the Tier 1 Allowance Amount limit. If BPA changes «Customer Name»’s CHWM consistent with section 1.2 of Exhibit B, then BPA shall recalculate «Customer Name»’s Tier 1 Allowance Amount limit and update Exhibit J if necessary. If «Customer Name» has a reduction to its CHWM, then BPA shall determine whether a reduction in the Tier 1 Allowance Amount limit is appropriate. In the event that BPA reduces «Customer Name»’s Tier 1 Allowance Amount limit, BPA will determine on a case-by-case basis the treatment of «Customer Name»’s resource(s).

3.5.2.2 **Qualifying Specified Resources For Tier 1 Allowance Amount**

Any Specified Resource «Customer Name» elects to add to its Tier 1 Allowance Amount must meet the following qualifying criteria:

1. the Specified Resource is a New Resource;
2. the Specified Resource is connected to «Customer Name»’s distribution system, regardless of voltage, and does not utilize BPA or Third-Party Transmission Provider transmission facilities; and,
3. the Specified Resource reduces «Customer Name»’s Total Retail Load.

3.5.3 **Resource Additions for a BPA Insufficiency Notice**

If BPA provides «Customer Name» a notice of insufficiency and reduces its purchase obligation, in accordance with section 20.2, then «Customer Name» may temporarily add Dedicated Resources to replace amounts of Firm Requirements Power BPA will not be providing due to insufficiency. The Parties shall revise Exhibit A to reflect such additions.

3.5.4 **Decrements for 9(c) Export**

If BPA determines, in accordance with section 20.6, that an export of a Specified Resource listed in section 2 of Exhibit A requires a reduction in the amount of Firm Requirements Power BPA sells «Customer Name» then BPA shall notify «Customer Name» of the amount and duration of the reduction in «Customer Name»’s Firm Requirements Power purchases from BPA. Within 20 calendar days of such notification «Customer Name» may temporarily add a Specified Resource to section 2 of Exhibit A in the amount and for the duration of such decrement. If «Customer Name» does not add a Specified Resource to meet such decrement, then within 30 calendar days of such notification BPA shall add Committed Power Purchase Amounts to section 3.2 of Exhibit A in the amount and for the duration of such decrement.

3.5.5 **Temporary Resource Removal**

BPA shall revise «Customer Name»’s Dedicated Resource amounts listed in the tables of Exhibit A: (1) consistent with «Customer Name»’s resource removal elections made in accordance with section 10, and (2) by March 31 following such elections.

3.5.6 **Permanent Discontinuance of Resources**

«Customer Name» may permanently remove a Specified Resource listed in section 2 of Exhibit A, consistent with the 5(b)/9(c) Policy on statutory discontinuance for permanent removal. If BPA makes a determination that «Customer Name»’s Specified Resource has met BPA’s standards for a permanent removal, then BPA shall revise Exhibit A accordingly. If «Customer Name» does not replace such resource with another Dedicated Resource, then «Customer Name»’s additional Firm Requirements Power purchases under this Agreement, as a result of such a resource removal, shall be subject to the applicable rates or charges as established in the Wholesale Power Rate Schedules and GRSPs.

3.5.7 **Resource Additions for Annexed Loads**

If «Customer Name» acquires an Annexed Load after the Effective Date, «Customer Name» shall add Dedicated Resources to Exhibit A to serve amounts of such load for which «Customer Name» did not receive a CHWM addition pursuant to section 1.2.2 of Exhibit B. «Customer Name» shall serve such load with Dedicated Resources for the remainder of the Rate Period during which «Customer Name» acquires such load. For all Rate Periods after the Rate Period when «Customer Name» acquires an Annexed Load, «Customer Name» shall serve such load pursuant to «Customer Name»’s elections and either (1) apply Dedicated Resources or (2) purchase Firm Requirements Power at the applicable rates or charges as established in the Wholesale Power Rate Schedules and GRSPs.

3.5.8 **Resource Additions/Removals for NLSLs**

3.5.8.1 To serve a Planned NLSL or an NLSL listed in Exhibit D that is added after the Effective Date, «Customer Name» may add Dedicated Resources to section 4 of Exhibit A. «Customer Name» may discontinue serving its NLSL with the Dedicated Resources listed in section 4 of Exhibit A if BPA determines that «Customer Name»’s NLSL is no longer: (1) an NLSL, or (2) in «Customer Name»’s service territory.

3.5.8.2 If «Customer Name» elects to serve a Planned NLSL or an NLSL with Dedicated Resources, then «Customer Name» shall specify in section 4 of Exhibit A the maximum monthly and Diurnal Dedicated Resource amounts that «Customer Name» plans to use to serve the NLSL. «Customer Name» shall establish such firm energy amounts for each month beginning with the date the resource was dedicated to load through the earlier of the date the resource will be removed or September 30, 2044. «Customer Name» shall serve the actual load of the NLSL up to such maximum amounts with such Dedicated Resource amounts. To the extent that the Planned NLSL or NLSL facility load is less than the maximum amount in any monthly or Diurnal period, «Customer Name» shall have no right or obligation to use such amounts to serve the non-NLSL portion of its Total Retail Load. Specific arrangements to match such resources to the NLSL on an hourly basis shall be established in Exhibit D.

3.5.9 **PURPA Resources**

If «Customer Name» is required by the Public Utility Regulatory Policies Act (PURPA) to acquire output from a Generating Resource and plans to use that output to serve its Total Retail Load, then such output shall be added as a Specified Resource pursuant to Exhibit A.

3.6 **Consumer-Owned Resources**

Except for any Consumer-Owned Resources serving a Planned NLSL or NLSL, which «Customer Name» has applied to load consistent with section 20.3, «Customer Name» shall apply the output of Consumer-Owned Resources as follows:

3.6.1 **Existing Consumer-Owned Resources**

«Customer Name» has designated, in sections 7.1, 7.2, or 7.3 of Exhibit A, the extent that each existing Consumer-Owned Resource as of the Effective Date will or will not serve On-Site Consumer Load. Such designation shall apply for the term of this Agreement.

3.6.2 **New Consumer-Owned Resources**

«Customer Name» shall designate the extent that each Consumer-Owned Resource commencing commercial operation after the Effective Date will or will not serve On-Site Consumer Load. «Customer Name» shall make such designation to BPA in writing within 120 days of energization of such resource. Such designation shall apply for the term of this Agreement.

Consistent with «Customer Name»’s designations, BPA shall list Consumer-Owned Resources serving On-Site Consumer Load in section 7.1 of Exhibit A, Consumer-Owned Resources not serving On-Site Consumer Load in section 7.2 of Exhibit A, and Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load in section 7.3 of Exhibit A.

3.6.3 **Application of** **Consumer-Owned Resources Serving On-Site Consumer Load**

Power generated from Consumer-Owned Resources listed in section 7.1 of Exhibit A shall serve On-Site Consumer Load. «Customer Name» shall ensure that a Consumer-Owned Resource does not exceed the On-Site Consumer Load such resource serves. If a Consumer-Owned Resource exceeds the On-Site Consumer Load, then BPA may adjust «Customer Name»’s Total Retail Load used to bill for energy purchases to ensure «Customer Name» pays for energy that was otherwise displaced by the amount of generation of the Consumer-Owned Resource that exceeds the On-Site Consumer Load on any hour. BPA shall determine in its sole discretion whether to make any adjustment based on information «Customer Name» provides to BPA as follows:

(1) Commensurate with «Customer Name»’s designation under section 3.6.2 above, «Customer Name» shall provide BPA information demonstrating that the Consumer-Owned Resource’s forecasted generation will not exceed the On-Site Consumer Load it is intended to serve on a monthly basis. Examples of such information include but are not limited to consumer load projections and monthly generation projections for the generating equipment to be installed.

(2) If «Customer Name» has not provided sufficient information, or if the Consumer-Owned Resource exceeds On-Site Consumer Load, then «Customer Name» shall in accordance with section 15 and section 17.3 of this Agreement: (A) install metering on the On-Site Consumer Load, or (B) provide BPA hourly meter data of the On-Site Consumer Load on a monthly basis in a format specified by BPA.

«Customer Name» shall provide written notice to BPA of any significant changes to an On-Site Consumer Load amount within 60 days of the change.

«Customer Name» must ensure that the Consumer-Owned Resources do not cause negative flow through «Customer Name»’s Point of Delivery behind which the resource is located. If negative flow occurs, then «Customer Name» shall be responsible for any costs resulting from such flow.

3.6.4 **Application of Consumer-Owned Resources Serving Load Other than On-Site Consumer Load**

«Customer Name» shall ensure that power generated from Consumer-Owned Resources listed in section 7.2 of Exhibit A, which serves load other than On-Site Consumer Load, is scheduled for delivery and: (1) sold to another utility in the Region to serve its Total Retail Load, (2) purchased by «Customer Name» to serve its Total Retail Load (consistent with section 3.3), (3) marketed as an export, or (4) any combination of (1), (2), and (3) above.

3.6.5 **Application of Consumer-Owned Resources Serving Both On-Site Consumer Load and Load Other than On-Site Consumer Load**

If «Customer Name» designates a Consumer-Owned Resource to serve both On-Site Consumer Load and load other than On-Site Consumer Load, then «Customer Name» shall select either Option A or Option B below.

3.6.5.1 **Option A: Maximum Consumer-Owned Resource Amounts Serving On-Site Consumer Load**

If «Customer Name» selects this Option A, then «Customer Name» shall specify, in section 7.3 of Exhibit A, the maximum hourly amounts of an identified On-Site Consumer Load that are to be served with power generated by an identified Consumer-Owned Resource. Such amounts shall be specified as Diurnal megawatt amounts, by month, and shall apply in all years for the term of this Agreement. Such amounts are not subject to change in accordance with section 3.6.6.

On any hour that the On-Site Consumer Load is less than the specified maximum hourly amounts, all such On-Site Consumer Load shall be served by «Customer Name» with the identified Consumer-Owned Resource or with power other than Firm Requirements Power. Any hourly amounts of the identified On-Site Consumer Load in excess of the specified maximum hourly amounts will be served with Firm Requirements Power. Any power generated from the identified Consumer-Owned Resource in excess of the specified maximum hourly amounts will be applied to load other than On-Site Consumer Load in accordance with section 3.6.4.

3.6.5.2 **Option B: Maximum Firm Requirements Power Serving On-Site Consumer Load**

If «Customer Name» selects this Option B, then «Customer Name» shall specify, in section 7.3 of Exhibit A, the maximum hourly amounts of an identified On-Site Consumer Load that are to be served with Firm Requirements Power. Such amounts shall be specified as Diurnal megawatt amounts, by month, and shall apply in all years for the term of this Agreement. Such amounts are not subject to change in accordance with section 3.6.6.

On any hour that On-Site Consumer Load is less than the specified maximum hourly amounts, all such On-Site Consumer Load shall be served with Firm Requirements Power. «Customer Name» shall serve any hourly amounts of the identified On-Site Consumer Load in excess of the specified maximum hourly amounts with power generated by the identified Consumer-Owned Resource or with power other than Firm Requirements Power. Any power generated from the identified Consumer-Owned Resource in excess of the amounts required to be used to serve the On-Site Consumer Load shall be applied to load other than On-Site Consumer Load in accordance with section 3.6.4.

3.6.6 **Changes to Consumer-Owned Resources**

Prior to each Fiscal Year «Customer Name» shall notify BPA in writing of any changes in ownership, expected resource output, or other characteristic of Consumer-Owned Resources identified in section 7 of Exhibit A. If a Consumer-Owned Resource has permanently ceased operation and «Customer Name» notifies BPA of such cessation, then BPA shall revise section 7 of Exhibit A to reflect such change as long as BPA agrees the determination is reasonable.

3.6.7 **Application of Consumer-Owned Resources Serving a Planned NLSL or NLSL**

If «Customer Name» is serving a Planned NLSL or an NLSL with Consumer-Owned Resource amounts pursuant to section 20.3 and section 1 of Exhibit D, then BPA shall list such resources in section 7.4 of Exhibit A. Requirements for «Customer Name»’s application of Consumer-Owned Resources serving Planned NLSLs and NLSL are included in section 20.3 and section 1 of Exhibit D.

3.7 **Transfer of Renewable Energy Certificates**

BPA shall provide any applicable Renewable Energy Certificates (RECs), emission accounting information, and non-emitting generation accounting information to «Customer Name» in accordance with Exhibit H.

4. BLOCK PRODUCT *(11/13/24 Version)*

4.1 **Block Product General Description**

The Block Product provides a planned amount of Firm Requirements Power to serve a portion of «Customer Name»’s Annual Net Requirement. The Block Product includes a Tier 1 Block Amount and if applicable, a Tier 2 Block Amount.

4.2 **Block Amount Shapes**

4.2.1 **Tier 1 Block Amount Shapes**

Upon the execution of this Agreement, «Customer Name» shall elect one of the following shapes for its Tier 1 Block Amount: (1) a Flat Annual Shape or (2) a Flat Within-Month Shape. BPA shall state the shape elected by «Customer Name» in section 1.2 of Exhibit C. The Tier 1 Block Amount shape selected by «Customer Name» shall remain fixed for the term of this Agreement unless «Customer Name» exercises its right to change its purchase obligation pursuant to section 11.

4.2.2 **Tier 2 Block Amount Shape**

BPA shall provide any Tier 2 Block Amount to «Customer Name» in a Flat Annual Shape.

*Option 1: Include if customer chooses a Flat Annual Shape for its Tier 1 Block Amount.*

4.3 **Annual and Monthly Tier 1 Block Amounts**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s annual Tier 1 Block Amount for the next Fiscal Year by subtracting the «Customer Name»’s Firm Slice Amount in section 2 of Exhibit K for such Fiscal Year from the lesser of (1) «Customer Name»’s Annual Net Requirement in section 1.2 of Exhibit A or (2) its CHWM for that Fiscal Year. BPA shall revise section 1.1 of Exhibit C to state the annual Tier 1 Block Amount sold to and purchased by «Customer Name».

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s monthly Tier 1 Block Amount using the calculation in section 1.2 of Exhibit C. BPA shall revise section 1.3 of Exhibit C to state the monthly Tier 1 Block Amount sold to and purchased by «Customer Name».

*End Option 1.*

*Option 2: Include if customer chooses a Flat Within-Month Shape for its Tier 1 Block Amount.*

4.3 **Annual and Monthly Tier 1 Block Amounts**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s annual Tier 1 Block Amount for the next Fiscal Year by subtracting «Customer Name»’s Firm Slice Amount in section 2 of Exhibit K for such Fiscal Year from the lesser of (1) «Customer Name»’s Annual Net Requirement in section 1.2 of Exhibit A or (2) its CHWM for that Fiscal Year. BPA shall revise section 1.1 of Exhibit C to state the annual Tier 1 Block Amount sold to and purchased by «Customer Name».

By March 31, 2027 and by March 31 of each Rate Case Year thereafter, BPA shall calculate «Customer Name»’s Monthly Shaping Factors applicable to the Block Product pursuant to section 1.2.1 of Exhibit C. BPA shall revise section 1.2.1.3 of Exhibit C to state the Monthly Shaping Factors for the applicable Fiscal Years.

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s Tier 1 Block Amount for each month of the next Fiscal Year by multiplying the annual Tier 1 Block Amount, calculated pursuant to the paragraph above, by the Monthly Shaping Factors specified in section 1.2 of Exhibit C. BPA shall revise section 1.3 of Exhibit C to state the monthly Tier 1 Block Amount sold to and purchased by «Customer Name».

*End Option 2.*

4.4 **Annual Tier 2 Block Amounts**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s annual Tier 2 Block Amount for the next Fiscal Year pursuant to section 2.5 of Exhibit C. BPA shall revise section 2.5 of Exhibit C to state the annual Tier 2 Block Amount, if any, sold to and purchased by «Customer Name».

*Drafter’s Note: Include the following language if customer purchases Diurnal Flatting Service (DFS).*

4.5 **Displacement of Block Product for Diurnal Flattening Service**

*Reviewer’s Note: here is a proposed re-write for POC that refers to Ex D without restating the Ex D section contents*

«Customer Name» shall schedule its Specified Renewable Resources identified in section 2.3.6.1 of Exhibit D to serve Total Retail Load and BPA shall provide DFS to such Specified Renewable Resources pursuant to section 2.3 of Exhibit D. «Customer Name» shall reduce its total Block Product schedule each hour pursuant to section 2.3.1.5 of Exhibit D in any hour in the month when the total scheduled generation from such Specified Renewable Resources is greater than the total Planned Resource Amount in section 2.3.6.2 of Exhibit D for such Specified Renewable Resources. Pursuant to section 3.2, «Customer Name» shall pay BPA for the Tier 1 Block Amount listed in the table in section 1.3 of Exhibit C and Tier 2 Block Amount listed in the table in section 2.5 of Exhibit C without any adjustment for displacement of the Block Product.

*Reviewer’s Note: here is the RD section with some edits*

«Customer Name» shall apply the output from its Specified Renewable Resources listed in section 2.3.6.1 of Exhibit D pursuant to section 2.3.2 of Exhibit D. For each hour when the total scheduled generation from «Customer Name»’s Specified Renewable Resources, listed in section 2.3.6.1 of Exhibit D, is greater than (up to the resource’s combined Operating Maximum amount) the total Planned Resource Amount for such Specified Resources, BPA shall reduce «Customer Name»’s Block Product amount specified in Exhibit C by the amount that the sum of the generation of such Specified Renewable Resources (that is equal to or less than the sum of the Operating Maximum of such resources) exceeds the sum of Planned Resource Amounts of such resources for each hour. «Customer Name» shall schedule its reduced Block Product deliveries as required for Diurnal Flattening Service pursuant to section 2.3 of Exhibit D and section 6 of Exhibit F. Pursuant to section 3.2, «Customer Name» shall pay BPA for the Tier 1 Block Amount listed in the table in section 1.3 of Exhibit C and Tier 2 Block Amount listed in the table in section 2.5 of Exhibit C without any adjustment for displacement of the Block Product.

*End DFS Option*

5. SLICE PRODUCT *(11/13/24 Version)*

5.1 **Slice Product General Description**

5.1.1 The Slice Product is a system sale that includes Firm Requirements Power and surplus power. The Slice Product is indexed to the variable output capability of the Tier 1 System Resources to the extent such capability is available to Power Services after Designated System Obligations and Operating Constraints are met. «Customer Name» accesses the capabilities of Tier 1 System through the Provider of Choice Slice Application (POCSA) as described in Exhibit L. BPA shall configure the POCSA to reasonably represent and calculate the capabilities available on a day-ahead timeframe to Power Services from the Tier 1 System Resources after Designated System Obligations and Operating Constraints are met, including energy production, peaking, storage, and ramping capability. The POCSA applies «Customer Name»’s Slice Percentage to the Tier 1 System capabilities to determine «Customer Name»’s Slice Output.

«Customer Name» shall use the POCSA to submit a Slice Output Energy Request (SOER) to BPA for each Scheduling Hour submitted on a day ahead timeframe pursuant to sections 3 and 4 of Exhibit F. BPA shall supply power for any variation in the Tier 1 System Resource generation capabilities between the day-ahead and real-time timeframes to ensure Slice Output is available to «Customer Name».

5.1.2 The Slice Product sold by BPA and purchased by «Customer Name» is a power sale, and is not under any circumstances to be construed as a sale of the Tier 1 System Resources, Tier 1 System Resource capability, or a transfer of control of Tier 1 System Resources. Notwithstanding any provision of this Agreement to the contrary, BPA and the Federal operating agencies shall retain operational control of all resources comprising the FCRPS, including without limitation all such resources that comprise the Tier 1 System Resources.

5.1.3 BPA does not guarantee that the amount of Slice Output Energy made available under the Slice Product, combined with Firm Requirements Power made available under the Block Product, will be sufficient to meet «Customer Name»’s Total Retail Load, on an hourly, daily, weekly, monthly, or annual basis. «Customer Name» is obligated to supply non-federal power to serve the difference between its Total Retail Load and electric power from its purchase of Slice Output and the Block Product.

5.1.4 Changes in the output of the Tier 1 System Resources shall affect the amount of Slice Output made available to «Customer Name» under this Agreement. Accordingly, «Customer Name» understands and agrees it is exposed to Tier 1 System Resources performance risk and water supply risk.

5.1.5 The Slice Product does not provide «Customer Name» any rights to utilize Tier 1 System Resources for within-hour or within-day energy or capacity services, including but not limited to dynamic scheduling, self-supply of operating reserves, and self-supply of energy imbalance.

5.2 **Determination of Amounts of Slice Output Made Available**

Slice Output made available to «Customer Name» shall be adjusted by Operating Constraints in effect on the Tier 1 System Resources. Such Operating Constraints shall be applied proportionately to the Tier 1 System Resources output available to Power Services, «Customer Name», and all other Slice Customers.

The amount of Slice Output Energy made available to «Customer Name» is based on a simulation of stream flows routed through the Simulator Projects, plus the BOS Base, using the POCSA, and as adjusted for Operating Constraints. «Customer Name» understands and agrees that the amount of Slice Output Energy made available to «Customer Name» may not precisely equal the result of its Slice Percentage multiplied by the Actual Tier 1 System Generation.

5.3 **Annual Calculation of Slice Percentage**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s Slice Percentage by multiplying fifty percent by the lessor of «Customer Name»’s:

(1) FY2026 CHWM, including an increase for «Customer Name»’s Annexed Load from a CHWM Customer, and a decrease for «Customer Name»’s load annexed by another customer or a Third-Party; or

(2) Forecast of Total Retail Load minus Existing Resources minus NLSLs minus Tier 1 Allowance Amount, and then divided by the Annual CHWM System, and multiplied by one-hundred.

The value as expressed as a percentage will be rounded to the fifth decimal and as a number rounded to the seventh decimal. Expressed as a formula, the Slice Percentage in each year of the Rate Period is calculated as follows:

ER – Existing Resources

T1AA – Tier 1 Allowance Amount

TRLFx – forecast of Total Retail Load

*Option: Include this section ONLY for when the amount of Slice Product is limited pursuant to section 11.9*

The amount of Slice Product available to «Customer Name» is less than fifty percent of «Customer Name»’s CHWM pursuant to section 11.9 of this Agreement. BPA shall revise and state such limitations on «Customer Name»’s Slice Percentage in section 1 of Exhibit K at the time of contract execution or a change in purchase obligation to the Slice Product. If «Customer Name»’s Slice Percentage is limited, then «Customer Name»’s Tier 1 Block Amount will increase pursuant to section 4.3 of this Agreement.

*End Option*

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A , BPA shall revise and state «Customer Name»’s Slice Percentage in section 1 of Exhibit K.

After BPA calculates «Customer Name»’s Slice Percentage for the Fiscal Year pursuant to section 5.3. of this Agreement, BPA shall not make mid-Fiscal Year adjustments to «Customer Name»’s Slice Percentage. BPA shall adjust «Customer Name»’s Block Amount when a mid-Fiscal Year adjustment is required.

*Option: Include this section ONLY for cooperatives and tribal utilities.*

If «Customer Name»’s Slice Percentage calculated above would exceed 0.5%, then BPA shall reduce «Customer Name»’s Slice Percentage to 0.5% pursuant to section 21.8 of this Agreement.

*End Option 5.3.1*

5.4 **Firm Slice Amount**

5.4.1 By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall calculate «Customer Name»’s Firm Slice Amount by multiplying the monthly Average Megawatts of Annual CHWM System set forth in the table in section 1 of Exhibit K for each Fiscal Yearby «Customer Name»’s Slice Percentage applicable to each such Fiscal Year stated in section 2 of Exhibit K. BPA shall revise and state «Customer Name»’s Firm Slice Amount for each Fiscal Year in section 3 of Exhibit K.

5.4.2 «Customer Name» shall purchase and receive a share of CHWM Modeled Augmentation in an amount equal to «Customer Name»’s Slice Percentage in section 1 of Exhibit K multiplied by the CHWM Modeled Augmentation for each Fiscal Year as established in the applicable 7(i) Process. Such amounts are included in the calculation of Firm Slice Amount in section 5.4.1 above.

The BOS Base amount in the POCSA as determined by section 4.1.1. of Exhibit L shall include the amounts of CHWM Modeled Augmentation listed in section 4 of Exhibit K. BPA shall make CHWM Modeled Augmentation available to «Customer Name» in a Flat Annual Shape for the applicable Fiscal Year.

5.5 **Disposition of Surplus Slice Output**

5.5.1 All sales, exchanges, or other dispositions of BPA provided electric power are subject to and governed by federal law including, but not limited to, the Bonneville Project Act,16 U.S.C. § 832 *et seq.*, P.L. 75‑329 as amended, the Pacific Northwest Consumer Power Preference Act, 16 U.S.C. § 837 *et seq.,* P.L. 88‑552, the Federal Columbia River Transmission System Act, 16 U.S.C. § 838 *et seq.*, P.L. 93‑454, and the Northwest Power Act, P.L. No. 96‑501, as amended.

5.5.2 All sales of Surplus Slice Output by «Customer Name» for use outside the Region, or to parties not serving firm retail load in the Region, are subject to the provisions of the Pacific Northwest Consumer Power Preference Act and section 9(c) of the Northwest Power Act, and BPA and «Customer Name» acknowledge their respective responsibilities thereunder.

5.5.3 The following uses of Surplus Slice Output shall not constitute a sale of Surplus Slice Output outside the Region:

(1) Leaving the Surplus Slice Output in Storage or placing it in «Customer Name»’s Storage;

(2) Exchanging Surplus Slice Output with another utility customer in the Region, or a statutorily enumerated type of exchange with a utility outside the Region;

(3) Using Surplus Slice Output to displace «Customer Name»’s non-federal resources identified in Exhibit A, or «Customer Name»’s market purchases that would have been made for serving its Total Retail Load; and

(4) A sale of Surplus Slice Output to a BPA utility customer for service to that utility’s Total Retail Load in the Region, consistent with sections 3(14) and 9(c) of the Northwest Power Act; and

BPA may request «Customer Name» provide evidence that Surplus Slice Output was used consistent with section 9(c) of the Northwest Power Act. «Customer Name» may demonstrate such uses of Surplus Slice Output by means of a storage account, executed contracts for binding sales or exchanges, or another form of offer and acceptance.

5.5.4 Pursuant to the Pacific Northwest Consumer Power Preference Act and section 9(c) of the Northwest Power Act, BPA shall have the right to curtail all or a portion of «Customer Name»’s: (1) Surplus Slice Output capacity upon 60 months written notice to «Customer Name», and (2) Surplus Slice Output energy upon 60 days written notice to «Customer Name». Any such notice shall specify the amounts and duration of the curtailment, and whether such capacity or energy is needed to meet BPA’s capacity and energy requirements in the Region. Prior to issuing any such curtailment notice, BPA and «Customer Name» shall consult in order to determine the quantity, if any, of Surplus Slice Output energy and capacity that may be subject to such curtailment. Such curtailments shall be limited to «Customer Name»’s proportional share of the amount needed, and for the duration necessary, to cover BPA’s projection of its needs within the Region. Such curtailments are subject to sections 5.5.5 and 5.5.6.

5.5.5 If BPA issues a notice of curtailment pursuant to section 5.5.4, then it shall concurrently issue notices of curtailment, recall, or termination to all other extra regional and non-preference purchasers to whom BPA has sold Surplus Firm Power, or surplus capacity, for durations longer than specified in the notice, provided that such sales agreements contain provisions that allow for recall, curtailment or termination.

5.5.6 Following each month that Surplus Slice Output is curtailed pursuant to section 5.6.5 above, Power Services shall include a line item credit on «Customer Name»’s monthly customer bill issued equal to the amount of Surplus Slice Output energy curtailed during the preceding month, multiplied by the Monthly Reimbursement Value for the month during which the curtailment was in effect.

5.6 **Disposition of Requirements Slice Output and Requirements Slice Output Test**

*Reviewer’s Note: RSO Test will be revised for BPA participation in a day-ahead market.*

5.6.1 **Disposition of Requirements Slice Output**

Requirements Slice Output (RSO) purchased by «Customer Name» under this Agreement and made available by BPA shall be used solely for the purpose of serving «Customer Name»’s Total Retail Load. «Customer Name» shall maintain monthly documentation establishing the delivery of RSO to serve its Total Retail Load, such as by schedule or by electronic tag, for each such month. «Customer Name» shall make such documentation available to BPA upon request.

5.6.2 **Requirements Slice Output Test**

5.6.2.1 **Submission of Monthly Actual Total Retail Load Data**

On or before the 10th Business Day of each calendar month, «Customer Name» shall submit to BPA its actual Total Retail Load for the preceding calendar month, expressed in MWh.

5.6.2.2 **RSO Test**

BPA shall compare: (1) «Customer Name»’s Slice Output Energy delivered to its actual Total Retail Load plus loss return schedules to Transmission Services (Slice-to-Load Delivery) during each month with (2) «Customer Name»’s RSO for each such month. Such comparison is the monthly RSO Test.

5.6.2.3 **Notification of Results of RSO Test**

On or before the 20th Business Day of each calendar month, BPA shall notify «Customer Name» in writing of the results of the RSO Test conducted pursuant to section 5.7.2.2.

5.6.2.4 **Conditions that Result in Passage of RSO Test**

(1) If «Customer Name»’s Slice-to-Load Delivery in a month is greater than or equal to its RSO for such month, then «Customer Name» shall have satisfied the requirements of the RSO Test for such month; or,

(2) If «Customer Name»’s Slice-to-Load Delivery in a month is less than its RSO for such month, but «Customer Name»’s Actual Slice Output Energy (ASOE) for the month is less than 107.5 percent of its RSO, and «Customer Name»’s monthly Slice-to-Load Delivery is greater than 92.5 percent of its ASOE for such month, then «Customer Name» shall have satisfied the RSO Test for such month.

5.6.2.5 **Conditions Under Which BPA May Deem Customer to Have Satisfied the RSO Test**

(1) If «Customer Name» has not satisfied the requirements of the RSO Test pursuant to section 5.6.2.4, then «Customer Name» may, within 14 calendar days after BPA provides «Customer Name» with written notice of the RSO Test results pursuant to section 5.6.2.3, provide BPA with data that demonstrates «Customer Name» took reasonable and prudent actions to otherwise satisfy the RSO Test for such month. Such data may include analysis indicating «Customer Name» satisfied the RSO Test in each of two distinct periods of ten or more consecutive days within the month. If Power Services determines such data and/or analysis demonstrates such compliance, then BPA shall deem «Customer Name» to have satisfied the RSO Test for such month. BPA shall have the sole discretion to determine whether «Customer Name» shall be deemed to have satisfied the RSO Test pursuant to this section 5.6.2.5(1). BPA shall, no later than 14 calendar days following the day «Customer Name» provides such supporting data and/or analysis, notify «Customer Name», in writing, of its decision as to whether or not «Customer Name» shall be deemed to have satisfied the RSO Test, and the basis for such decision.

(2) If recurring conditions exist that result in BPA repeatedly deeming «Customer Name» to have satisfied the RSO Test, BPA and «Customer Name» shall collaboratively develop documentation, through a separate letter agreement, that establishes for a specified prospective time period the conditions under which BPA shall deem «Customer Name» to have satisfied the RSO Test.

5.6.2.6 **Conditions that Result in Failure of RSO Test and Associated Penalty**

If «Customer Name» fails to satisfy the RSO Test per section 5.7.2.4, and is not deemed by BPA to have satisfied the RSO Test pursuant to section 5.7.2.5 for any month, then a penalty charge shall be assessed as follows for that month:

(1) The penalty charge shall be equal to «Customer Name»’s under-delivered amount for such month multiplied by the Unauthorized Increase Charge or its successor, as established in the Wholesale Power Rate Schedules and GRSPs for energy for each such month.

(2) The under-delivered amount for such month is equal to the lesser of the amount «Customer Name»’s monthly Slice-to-Load Delivery is less than: (1) «Customer Name»’s RSO for the month, or (2) if section 5.6.2.4(2) is applicable, then 92.5 percent of «Customer Name»’s ASOE for the month.

5.7 **Northwest Power Act Section 6(m) Resource Acquisitions**

«Customer Name» retains all rights to participate in any BPA major resource acquisitions pursuant to section 6(m) of the Northwest Power Act.

5.8 **Displacement of Columbia Generating Station (CGS)**

5.8.1 **Definitions**

5.8.1.1 “Columbia Generating Station” or “CGS” means the nuclear powered generating facility located near Richland, Washington, and operated by Energy Northwest, or its successor.

5.8.1.2 “CGS Displacement” means a decision by Power Services to shut-down all or a portion of the power production at CGS due to market conditions.

5.8.2 «Customer Name» shall participate in CGS Displacement. CGS Displacement will reduce «Customer Name»’s Slice Output.

5.9 **POCSA Functionality and Simulator Performance Tests**

This section sets out the POCSA Functionality and Simulator Performance Tests. BPA shall promptly notify «Customer Name» of the results of the POCSA Functionality and Simulator Performance Tests.

5.9.1 **Definitions**

5.9.1.1 “Default User Interface,” or “DUI,” means the basic user interface that is developed by BPA and made available to «Customer Name» for access to the POCSA.

5.9.1.2 “POCSA Functionality Test” means the test set forth in section 5.11.2 that is conducted to determine whether the POCSA is complete, functional, and ready for daily operations.

5.9.1.3 “POCSA Deployment Date” means the latest of: (1) October 1, 2028, (2) 90 days after the POCSA Pass Date, or (3) 90 days after the Simulator Pass Date.

5.9.1.4 “POCSA Pass Date” means the date on which the POCSA passes the POCSA Functionality Test.

5.9.1.5 “Simulator Pass Date” means the date on which the Simulator passes the Simulator Performance Test.

5.9.1.6 “Simulator Performance Test” means the test conducted by BPA and consisting of four separate tests: a Storage Content test, an energy test, a peaking test, and a ramp down test, each as separately described in section 3.5.3 of Exhibit L.

5.9.2 **POCSA Functionality Test**

5.9.2.1 BPA shall conduct the initial POCSA Functionality Test no later than [Date to be determined by BPA].

5.9.2.2 BPA, in consultation with «Customer Name» and other members of the SOF, shall, by [Date to be determined by BPA], establish a detailed written description of the validation procedures that will comprise the POCSA Functionality Test. Such validation procedures shall include a comprehensive series of objective tests that establish if the POCSA, including the Simulator, DUI and BOS module, are wholly functional and ready for daily operations.

5.9.3 **POCSA Deployment Date**

5.9.3.1 If the POCSA Deployment Date is established as October 1, 2028 then BPA and «Customer Name» shall commence implementation of the POCSA beginning on October 1, 2028.

5.9.3.2 If the POCSA Deployment Date is established later than October 1, 2028, then:

(1) Beginning on October 1, 2028, and continuing until the POCSA Deployment Date, BPA and «Customer Name» shall continue to use the version of the POCSA implemented under the Regional Dialogue CHWM Contract that expired on September 30, 2028.

(2) The SOF shall develop procedures no later than October 1, 2028 that BPA and Slice Customers shall follow to ensure all POCSA actions are completed in accordance with this Agreement.

5.9.4 **Simulator Performance Test**

5.9.4.1 No later than [Date to be determined by BPA], BPA shall provide «Customer Name» access to the Simulator that will be used by BPA to conduct the Simulator Performance Test. The Simulator Performance Test shall be conducted by BPA no later than October 31, 2027.

5.9.4.2 If, as of [Date to be determined by BPA] , the Simulator has failed one or more of the four tests that comprise the Simulator Performance Test, then «Customer Name» may elect to change its purchase obligation pursuant to section 11.2.

5.10 **POCSA Access and Use Agreement**

«Customer Name» shall execute a POCSA Access and Use Agreement with BPA prior to or coincident with execution of this Agreement.

«Customer Name» may designate third parties to access and use the POCSA on its behalf. BPA retains sole discretion for the approval of third parties’ access and use of the POCSA. BPA reserves the right to restrict POCSA access and use by third parties that are significant and active participants in WECC footprint wholesale power or transmission markets and that are not Slice Customers.

5.11 **POCSA Development Schedule**

BPA shall provide «Customer Name» with a POCSA development schedule at the time this Agreement is offered for execution. «Customer Name» and BPA understand and agree that: (1) the timelines specified in the POCSA development schedule are not binding and are for preliminary planning purposes only, and (2) the timelines set forth in this section 5 are binding. BPA, «Customer Name», and other members of the SOF shall discuss the requirements and status of the various tasks identified in the POCSA development schedule.

5.12 **Slice Operations Forum**

5.12.1 The Parties anticipate that issues will arise regarding the Slice Product or the POCSA, and that a forum is needed for discussing alternatives and taking actions that may affect BPA and the Slice Customers. The Slice Operations Forum (SOF) shall: (1) consider, recommend, and document modifications to the POCSA necessary to maintain its reasonable representation of the Tier 1 System Resources energy, peaking, storage, and ramping capability; (2) consider, recommend, and document modifications to the POCSA necessary for «Customer Name» and other Slice Customers to schedule Slice Output Energyunder this Agreement; and (3) establish a forum for information regarding the Slice Product and the POCSA.

5.12.2 Slice Customers shall propose a draft SOF charter for BPA review and recommendations no later than February 28, 2026. The SOF Charter shall include the following items:

(1) A process for SOF charter adoption and revisions by an affirmative vote of no less than two-thirds of the Slice customers.

(2) Rules for convening SOF meetings, establishing a quorum, and rules of order.

(3) A process to propose POCSA changes to BPA by an affirmative vote of a majority of the Slice Customers.

(4) BPA may add items to a SOF meeting agenda for discussion.

Slice Customers shall provide a SOF charter to BPA for its approval no later than March 31, 2026.

If the Slice Customers do not adopt a SOF charter, then BPA will identify changes to the POCSA in a meeting with the Slice Customers.

5.12.3 BPA shall have the right in its sole discretion to implement the changes described below only to the extent it determines such implementation is consistent with the Slice product as described in section 5.1, and only after: (1) such implementation and related testing is reviewed and discussed by the SOF; and (2) such changes have been subjected to testing as determined by BPA to be relevant and sufficient to demonstrate that each change functions as intended and does not cause any other portion of the POCSA to malfunction. Such implementation by BPA shall not be subject to approval by the SOF.

(1) BPA may change the POCSA as necessary to produce results that reasonably represent the energy production, peaking, storage, or ramping capability of the Tier 1 System Resources.

(2) BPA may change the POCSA as necessary to maintain functionality with BPA’s internal business processes and systems.

(3) BPA may determine how Operating Constraints are translated into Simulator Parameters for application within the POCSA.

5.12.4 The SOF shall request a BPA review of proposed POCSA changes by an affirmative vote taken in accordance with the SOF charter. BPA shall review the SOF’s proposed POCSA changes within 45 calendar days of the SOF affirmative vote. BPA may extend the review period at its sole discretion by written notice to the SOF. BPA shall provide a written determination to the SOF that describes its decision to support or not support the proposed POCSA changes.

If BPA supports the proposed POCSA changes, then BPA will commence planning for the implementation of such changes. BPA shall provide the SOF with a proposed plan for the implementation of the POCSA changes. During the planning and implementation of such proposed changes BPA may identify constraints and technical challenges that preclude BPA from implementing the proposed changes. BPA shall promptly identify any such implementation constraints or technical challenges to the SOF in writing.

If BPA does not support the proposed POCSA changes, then BPA will not implement the proposed POCSA changes.

5.13 **Creditworthiness**

«Customer Name» shall execute a creditworthiness agreement with BPA prior to or coincident with execution of this Agreement.

5.14 **Slice** **True-Up Adjustment Charge**

5.14.1 BPA shall calculate a Slice True-Up Adjustment Charge annually pursuant to section 2.8.5 of the PRDM.

5.14.2 BPA shall compute interest applicable to the Slice True‑Up Adjustment Charge using simple interest computed daily. The daily interest rate shall be the Prime Rate (as reported in the Wall Street Journal or successor publication in the first issue of the Fiscal Year in which the Slice True-Up Adjustment Charge is calculated), divided by 365. The daily interest rate shall be fixed on the first day of the Fiscal Year in which the applicable Slice True-Up Adjustment Charge is calculated for the time periods specified under section 5.14.3.

5.14.3 Interest determined pursuant to section 5.14.2 shall be computed and added to the Slice True-Up Adjustment Charge for «Customer Name» for the time periods defined as follows:

(1) If the Slice True-Up Adjustment Charge is a credit to «Customer Name», then the period for interest computation will begin with the first day of the Fiscal Year in which the Slice True-Up Adjustment Charge is calculated, and will end on the due date of the bill that contains such credit.

(2) If the Slice True-Up Adjustment Charge is a charge payable to BPA, then the period for interest computation will begin with the first day of the Fiscal Year in which the Slice True-Up Adjustment Charge is calculated, and will end, with regard to the portion to be paid, on the due date for each of the three monthly bills in which the Slice True-Up Adjustment Charge appears. If «Customer Name» elects to pay the charge in one month, then «Customer Name» shall notify BPA in writing and the period for interest computation will begin with the first day of the Fiscal Year in which the Slice True-Up Adjustment Charge is calculated and will end on the due date for the next monthly bill issued following the day such Slice True-Up Adjustment Change is calculated.

(3) If a credit or chargecontained in a Slice True-Up Adjustment Charge is subject to dispute resolution pursuant toAttachment A of the PRDM or has been reserved for final disposition in the next 7(i) Process, all pursuant to the PRDM, and if there is an adjustment to such creditor chargeas a result thereof, then the period for the interest calculation shall beginon the first day of the Fiscal Year in which the disputed Slice True-Up Adjustment Charge was calculated and will end as specified in section 5.14.3 subsection (1) or (2) depending upon whether the adjustment is a credit or a charge.

6. PUBLIC RATE DESIGN METHODOLOGY *(12/11/24 Version)*

6.1 The PRDM applies for the term of this Agreement. BPA shall apply the PRDM in accordance with its terms, which govern BPA’s establishment, review and revision of Priority Firm Power (PF) rates pursuant to section 7(i) of the Northwest Power Act for Firm Requirements Power sold under this Agreement.

6.2 The recitation of language from the PRDM in this Agreement does not incorporate such language into this Agreement. BPA may only revise the PRDM’s language in accordance with the requirements of PRDM section 9. If BPA revises the language of the PRDM, then BPA will unilaterally amend this Agreement to accordingly modify any such language recited in this Agreement.

6.3 Any disputes over the meaning of the PRDM or rates, including whether BPA is adhering to its obligation under the PRDM to revise the PRDM only in accordance with the PRDM section 9, or whether the Administrator is correctly implementing the PRDM or rates, including but not limited to matters of whether the Administrator is correctly interpreting, applying, and otherwise adhering or conforming to the PRDM or rate, shall (1) be resolved pursuant to any applicable procedures set forth in the PRDM; (2) if resolved by the Administrator as part of a proceeding under section 7(i) of the Northwest Power Act, be reviewable as part of the United States Court of Appeals for the Ninth Circuit’s review under section 9(e)(5) of the Northwest Power Act of the rates or rate matters determined in such section 7(i) proceeding (after FERC final confirmation and approval, and subject to any further review by the United States Supreme Court); and (3) if resolved by the Administrator outside such a section 7(i) Process and such decision is a final action, be reviewable by the United States Court of Appeals for the Ninth Circuit under section 9(e)(5) of the Northwest Power Act (subject to any further review by the United States Supreme Court). The remedies available to «Customer Name» through such judicial review shall be «Customer Name»’s sole and exclusive remedy for such disputes.

6.4 BPA shall not publish a Federal Register Notice regarding BPA rates or the PRDM that prohibits, limits, or restricts «Customer Name»’s right to submit testimony or brief issues on rate matters regarding the meaning or implementation of the PRDM or establishment of BPA rates pursuant to the PRDM. For purposes of BPA’s conformance to this paragraph, a “rate matter” shall not include budgetary and program level issues, or any other matter unrelated to the PRDM or the establishment of rates pursuant to the PRDM.

7. CONTRACT HIGH WATER MARKS *(12/11/24 Version)*

By September 30, 2026, BPA shall establish «Customer Name»’s CHWM in the FY 2026 CHWM Calculation Process and revise Exhibit B to state «Customer Name»’s CHWM. Once established, BPA may only adjust «Customer Name»’s CHWM as permitted pursuant to Exhibit B. After any adjustment, BPA shall revise Exhibit B to state «Customer Name»’s adjusted CHWM.

8. APPLICABLE RATES *(12/11/24 Version)*

Purchases under this Agreement are subject to the following rate schedules, or their successors: Priority Firm Power (PF), including Tier 1 Rates and Tier 2 Rates, New Resource Firm Power (NR), and Firm Power Products and Services (FPS), as applicable. Billing determinants for any purchases will be included in each rate schedule. Power purchases and services sold under this Agreement are subject to the applicable rates and charges in BPA’s Wholesale Power Rate Schedules, established in accordance with the PRDM, as applicable, and its GRSPs (or their successors) established during a 7(i) Process. «Customer Name» may incur additional charges as established in the applicable 7(i) Process, and as provided in the Wholesale Power Rate Schedules and GRSPs, including the Unauthorized Increase Charge or its successors.

8.1 **Applicability of Tier 1 and Tier 2 Rates**

BPA shall establish PF power rates that include rate schedules for purchase amounts at Tier 1 Rates and purchase amounts at Tier 2 Rates. Tier 1 Rates and Tier 2 Rates shall apply to «Customer Name»’s purchases as follows:

(1) Tier 1 Rates shall apply to «Customer Name»’s purchases of Tier 1 Block Amounts, as specified in section 1 of Exhibit C, Firm Slice Amounts, and associated Slice Output.

(2) Tier 2 Rates shall apply to «Customer Name»’s purchases of Tier 2 Block Amounts, if any, in accordance with the terms of section 2 of Exhibit C.

9. ELECTIONS TO PURCHASE POWER PRICED AT TIER 2 RATES *(11/13/24 Version)*

9.1 **Tier 2 Rate Alternatives**

Subject to therequirements of this section 9 and Exhibit C and pursuant to the PRDM, «Customer Name» shall have the right to purchase Firm Requirements Power at a Tier 2 Long-Term Rate, Tier 2 Short-Term Rate, and Tier 2 Vintage Rate.

9.2 **Above-CHWM Load Service Options and Tier 2 Rate Elections**

BPA shall calculate «Customer Name»’s Above‑CHWM Load in the Above‑CHWM Load Process ahead of each Rate Period.

«Customer Name» has the option to serve its Above-CHWM Load with: (1) Firm Requirements Power purchased from BPA at a Tier 2 Rate or rates, (2) Dedicated Resources, or (3) a specific combination of both (1) and (2).

Within sixty calendar days after BPA publishes, to its publicly available website, «Customer Name»’s final CHWMs from the FY 2026 CHWM Calculation Process, «Customer Name» shall determine and provide written notice to BPA of its Above-CHWM Load service election, including its election to purchase Firm Requirements Power at Tier 2 Rates, consistent with section 2.1 of Exhibit C.

BPA shall update Exhibit C to state «Customer Name»’s Tier 2 Rate purchase elections and the amount of its purchase obligation of Firm Requirements Power at Tier 2 Rates.

9.3 **Amounts of Tier 2 Flat Across All Hours**

Amounts of Firm Requirements Power sold by BPA at Tier 2 Rates and purchased by «Customer Name» shall be equal in all hours of the year.

10. TIER 2 REMARKETING AND RESOURCE REMOVAL *(12/11/24 Version)*

Under this section 10, «Customer Name» does not have temporary resource removal or remarketing rights for its Dedicated Resources in Exhibit A added pursuant to section 3.5.4 or section 3.5.8 of the Agreement. In addition, under this section 10, «Customer Name» does not have temporary resource removal or remarketing rights for any Dedicated Resource amounts or amounts of Firm Requirements Power purchased at Tier 2 Rates that would otherwise be eligible for removal or remarketing due to the addition of resources under section 3.5.4 of the Agreement. Any BPA remarketing of Tier 2 Vintage Rate purchase obligation amounts under this section 10 is subject to section 2.5.6 of Exhibit C.

10.1 **New Resource Removal and Remarketing of Tier 2 Rate Purchase Obligation Amounts for Each Rate Period**

If «Customer Name»’s Above-CHWM Load as forecasted for each Fiscal Year of an upcoming Rate Period is less than the sum of: (1) «Customer Name»’s New Resource amounts serving its Above-CHWM Load, as stated in Exhibit A, and (2) Tier 2 Rate purchase obligation amounts, as stated in Exhibit C, then, except as permitted in sections 10.1.3 and 10.1.4 below and in the following order:

(1) «Customer Name» shall temporarily remove its eligible New Resource amounts, and

(2) BPA shall remarket «Customer Name»’s Tier 2 Rate purchase obligation amounts.

Any removal of eligible New Resource amounts or remarketing of Tier 2 Rate purchase obligation amounts shall apply until either: (1) the removed New Resource amounts plus the remarketed Tier 2 Rate purchase obligation amounts equal the amount by which «Customer Name»’s New Resource amounts plus its Tier 2 Rate purchase obligation amounts exceed its Above-CHWM Load, or (2) all of «Customer Name»’s New Resources are removed and all of its Tier 2 Rate purchase obligation amounts are remarketed.

10.1.1 If «Customer Name» has more than one New Resource, then by July 31 of each Forecast Year, «Customer Name» shall notify BPA of the order and associated amounts of «Customer Name»’s New Resources that «Customer Name» shall remove for each Fiscal Year in the upcoming Rate Period to the extent necessary to comply with this section 10.1.

10.1.2 If «Customer Name» fails to notify BPA in accordance with section 10.1.1, then BPA shall determine the order and associated amounts of «Customer Name»’s New Resource removal for each Fiscal Year in the upcoming Rate Period to comply with section 10.1.

10.1.3 If compliance with the requirements of section 10.1 would cause «Customer Name» to remove part or all of any New Resource amounts that «Customer Name» uses to fulfill a state or federal renewable resource standard or other comparable legal obligation, then by July 31 of each Forecast Year «Customer Name» may request for BPA to remarket the same amount of Tier 2 Rate purchase obligation amounts until all of «Customer Name»’s Tier 2 Rate purchase obligation amounts are remarketed. Following such remarketing, «Customer Name» may either temporarily remove New Resources applied to the Tier 1 Allowance Amount or Existing Resources to the extent necessary to comply with section 10.1, provided that the hourly, monthly, and Diurnal amounts removed shall be equal to the hourly, monthly, and Diurnal amounts provided by the New Resources that «Customer Name» would have otherwise been obligated to remove.

10.1.4 If: (1) «Customer Name» made an election under section 2.1(3) or section 2.1(4) of Exhibit C to serve all or a portion of its Above-CHWM Load using the flexible option, (2) «Customer Name» has both New Resource amounts and Tier 2 Vintage Rate purchase obligation amounts for serving such Above-CHWM Load, and (3) compliance with the requirements of section 10.1 would cause «Customer Name» to remove part or all of its New Resource amounts, then «Customer Name» may request for BPA to first remarket the Tier 2 Vintage Rate purchase obligation amounts until all of «Customer Name»’s Tier 2 Vintage Rate purchase obligation amounts are remarketed before removing any New Resource amounts.

10.2 **Partial Resource Removal**

When only a portion of an eligible Dedicated Resource is removed pursuant to section 10.1 above, such resources shall be removed proportionally to maintain the same annual shape for the resource as established in Exhibit A.

10.3 **Responsibilities for Remarketing Tier 2 Rate Purchase Obligation Amounts and Disposition of Dedicated Resource**

«Customer Name» shall be subject to applicable charges or credits, as established in a 7(i) Process, associated with BPA’s remarketing of Tier 2 Rate purchase obligation amounts of Firm Requirements Power.

Except as specified in section 10.4 below, «Customer Name» shall be responsible for the disposition of any amounts of its Dedicated Resources, whether Specified Resources or Committed Power Purchase Amounts that are removed or reduced pursuant to this Agreement.

10.4 **Removal of Resources Taking RSS**

If «Customer Name» purchases RSS for any New Resources that are partially or entirely removed pursuant to sections 10.1 or 10.2 above, then the following shall apply:

10.4.1 «Customer Name» shall continue to supply the entire amount of any such resources consistent with applicable provisions stated in Exhibit J.

10.4.2 BPA shall remarket the amounts of any such resources that are removed pursuant to section 10.1 in the same manner BPA remarkets Tier 2 Rate purchase obligation amounts in section 10.3. BPA shall revise Exhibit A to identify the amounts of any such resources that are removed. BPA shall continue to provide RSS in accordance with applicable provisions in Exhibit J to any amounts of such resources that remain in Exhibit A after resource removal.

10.5 **New Resource Removal and Remarketing of Tier 2 Rate Purchase Obligation Amounts with an Updated Net Requirement Forecast**

For purposes of this section 10, if BPA calculates an updated Net Requirement forecast for «Customer Name» as provided in section 17.6.2, then BPA shall establish a substitute amount that shall apply instead of «Customer Name»’s Above-CHWM Load for the remaining year(s) of the applicable Rate Period. Such substitute amount (negative values set to zero) shall equal: (A) «Customer Name»’s updated Total Retail Load forecast, submitted consistent with section 17.6.2, minus (B) Customer Name»’s Existing Resources, NLSLs, Specified Resources added to Tier 1 Allowance Amount, Consumer-Owned Resources serving On-Site Consumer Load, and «Customer Name»’s CHWM. «Customer Name» shall notify BPA of any elections under section 10.1 above by February 28 ahead of power delivery for the applicable Fiscal Year.

11. RIGHT TO CHANGE PURCHASE OBLIGATION *(12/11/24 Version)*

11.1 **One-Time Right to Change Purchase Obligation**

Under this Agreement «Customer Name» shall have a one-time right to request a change in its purchase obligation, identified in section 3, to another purchase obligation available from BPA, including *(Drafter’s Note: Delete product customer is currently purchasing and adjust so that it reads X, Y, or Z.))* «Load Following, »«Annual Flat Block, »«Diurnally Shaped Monthly Block, »«Flat Monthly Block, »«Flat Monthly Block with 10% Shaping Capacity, » «Flat Monthly Block with PNR Shaping Capacity, » «or» «Flat Monthly Block with PNR Shaping Capacity with PLVS, »«or »«Slice/Block, if available».

Unless otherwise agreed by the Parties, any «Customer Name» Above-CHWM Load service elections, Dedicated Resource additions, and other elections made under this Agreement shall continue to be applicable under the new purchase obligation, provided that BPA may update such terms and conditions consistent with the then-current terms of the new purchase obligation, and additional costs may apply for service under the new purchase obligation as described in section 11.6.

11.2 **Notice and Conditions to Change Purchase Obligation**

No sooner than October 1, 2028, «Customer Name» may provide written notice to BPA to request a change to its purchase obligation. Such notice to BPA must be at least three years prior to the start of the Rate Period the purchase obligation change would be effective. «Customer Name»’s notice shall state: (1) the purchase obligation request, and (2) the Rate Period «Customer Name» requests the change to be effective. The latest date that «Customer Name» may provide notice to request a change to its purchase obligation is September 30, 2037 for a purchase obligation change effective on October 1, 2040.

11.3 **Limitations Due to Total Monthly Peak Load Increase**

After receiving «Customer Name»’s notice under section 11.2, BPA shall evaluate the impact of «Customer Name»’s request on BPA’s forecast of its total monthly peak load obligation relative to BPA’s most recent forecast of its total monthly Qualified Capacity Contribution (QCC) values, or successor capacity requirements, for the first Fiscal Year the purchase obligation change would become effective. As part of such evaluation BPA will assess the change to monthly QCC made by (1) a change to «Customer Name» purchase obligation, and (2) the peak amounts of «Customer Name»’s Dedicated Resource(s) as stated in Exhibit A.

If after its evaluation BPA determines that «Customer Name»’s request to change its purchase obligation would increase BPA’s total monthly peak load obligation relative to BPA’s change in QCC forecast in any one month, then BPA may:

(1) approve «Customer Name»’s request and directly assign any costs as stated in section 11.6 below; or

(2) approve «Customer Name»’s request without directly assigning such costs; or

(3) deny «Customer Name»’s request to change its purchase obligation.

If BPA receives multiple requests from customers to change their purchase obligation and such changes would be effective at the beginning of the same Rate Period, then BPA shall evaluate the impact of «Customer Name»’s purchase obligation request together with all requesting customers to assess the aggregate impact of all such purchase obligation change requests. If BPA determines that such requests would increase BPA’s total monthly peak load obligation, in relationship to the change in BPAs QCC forecast in any one month, then in addition to options (1), (2), or (3) above, BPA may:

(4) approve «Customer Name»’s request but defer the date on which «Customer Name»’s new purchase obligation change would become effective to the start of a subsequent Rate Period.

If BPA determines after its evaluation that the purchase obligation change(s) would not increase BPA’s total monthly peak load obligation, in relationship to the change in BPA’s QCC forecast, then BPA may approve «Customer Name»’s request to change its purchase obligation.

BPA shall provide customers with an opportunity to comment on any customer’s request to change its purchase obligation.

11.4 **Intentionally Left Blank**

11.5 **Changes to Block Purchase Obligation**

If «Customer Name» requests and BPA completes a change from one Block purchase obligation to a different Block purchase obligation as outlined in section 1 of Exhibit C, then «Customer Name» will have exercised their one-time right time right to change its purchase obligation as stated above in section 11.1.

11.6 **Charges to Change Purchase Obligation**

In addition to the limitations established in sections 11.1, 11.2 and 11.3 above, «Customer Name» may be subject to charges, in addition to the rates for the new service, as a result of changing its purchase obligation. Such additional charges shall recover all additional costs that: (1) will be incurred by BPA to serve «Customer Name» under its new purchase obligation compared to its existing purchase obligation, and (2) would otherwise result in a rate impact on all other customers receiving service under a CHWM Contract. If «Customer Name» makes a request to change its purchase obligation, then BPA shall notify «Customer Name» of any such additional charges. BPA shall not be required to make a payment to «Customer Name» as a result of «Customer Name» changing its purchase obligation.

11.7 **Change Confirmation**

Within 30 days of BPA’s presentation to «Customer Name» of the additional charges determined in section 11.6, «Customer Name» shall provide BPA with written notice whether it will proceed with its request to change its purchase obligation.

11.8 **Amendment to Reflect New Purchase Obligation**

Following «Customer Name»’s confirmation of its decision to change its purchase obligation, the Parties shall amend this Agreement to replace the terms of «Customer Name»’s current purchase obligation with the terms of the new purchase obligation.

11.9 **Additional Rights to Change Purchase Obligation**

In addition to the opportunity to change its purchase obligation provided in section 11.1, «Customer Name» may elect to change its purchase obligation to that stated in section 11.9.3 after the occurrence of any of the events listed in sections 11.9.1 through 11.9.3.

11.9.1 **Changes to Transmission Scheduling Practices**

During the term of this Agreement, if «Customer Name» changes its purchase obligation to the Slice/Block product, then «Customer Name» may change its purchase obligation to that stated in section 11.9.2 by providing written notice to BPA in accordance with section 20 no later than 60 calendar days after BPA, or its successor, adopts standards, rules, practices or procedures, that require «Customer Name» to schedule hourly energy based on Scheduling Points of Receipt for each of the Tier 1 System Resources from which «Customer Name» may receive Slice Output Energy under this Agreement. Unless the Parties agree otherwise, the effective date of the contingent contract amendment shall be October 1 of the Fiscal Year following the date BPA adopts such policy.

11.9.2 **Alternative Requirements Power Purchase Obligation**

«Customer Name» may select one of the following purchase obligations in the event «Customer Name» changes its purchase obligation pursuant to section 11.9.1: Load Following, Annual Flat Block, Diurnally Shaped Monthly Block, Flat Monthly Block, Flat Monthly Block with 10% Shaping Capacity, Flat Monthly Block with PNR Shaping Capacity, or Flat Monthly Block with PNR Shaping Capacity with PLVS.

The Parties shall amend this Agreement for the selected purchase obligation. Such amendment shall contain the same terms and conditions as this Agreement, including any elections or choices made under this Agreement that are applicable to the new purchase obligation selected by «Customer Name».

11.9.3 **Waiver of Certain Claims for Damages**

In the event that «Customer Name» changes its purchase obligation in accordance with this section 11, «Customer Name» agrees not to seek and hereby waives the right, if any such right exists, to pursue any claim for damages from BPA due to any such change. This waiver is limited to any claims «Customer Name» may have arising from changes to «Customer Name»’s purchase obligation under this section 11. This waiver has no application to, and «Customer Name» hereby expressly preserves, any claims for damages arising under any other section of this Agreement.

12. BILLING CREDITS AND RESIDENTIAL EXCHANGE *(06/10/24 Version)*

12.1 **Billing Credits**

If «Customer Name» develops a Generating Resource or engages in conservation activities independently undertaken to serve its loads, then «Customer Name» agrees that it shall forego any request for, and BPA is not obligated to include, billing credits, as defined in section 6(h) of the Northwest Power Act, on «Customer Name»’s bills under this Agreement. This section does not apply to any billing credit contracts in effect as of the Effective Date.

12.2 **Agreement to Waive Exchange Costs of Existing Resources**

«Customer Name» agrees it will not seek and shall not receive residential exchange benefits pursuant to section 5(c) of the Northwest Power Act. «Customer Name»’s agreement in this section 12.2 is a material precondition to BPA offering and executing this Agreement.

13. SCHEDULING *(09/17/24 Version)*

«Customer Name» shall schedule power in accordance with Exhibit F.

14. DELIVERY *(12/19/24 Version)*

14.1 **Definitions**

14.1.1 “Primary Points of Receipt” means the points on the Region’s transmission system where Firm Requirements Power is forecasted to be made available by Power Services to «Customer Name» for purposes of obtaining a long-term firm transmission contract.

14.1.2 “Scheduling Points of Receipt” means the points on the Region’s transmission system where Slice Output Energy and the Block Product are made available by Power Services to «Customer Name» for purposes of acquiring transmission service and transmission scheduling.

14.2 **Transmission Service**

*Option 1: Include the following for customers who are NOT served by transfer.*

14.2.1 «Customer Name» is responsible for acquiring transmission service to deliver power from the Scheduling Points of Receipt.

*End option 1*

*Option 2: Include the following for customers who ARE served by transfer.*

14.2.1 «Customer Name» is responsible for acquiring transmission service to deliver power from the Scheduling Points of Receipt, subject to the provisions included in section 14.6.

*End option 2*

14.2.2 «Customer Name» shall provide at least 180 days’ notice to Power Services prior to changing Balancing Authority Areas.

14.2.3 At «Customer Name»’s request, Power Services shall provide «Customer Name» with Primary Points of Receipt and other information needed to enable «Customer Name» to acquire long-term firm transmission for delivery of power sold under this Agreement. If required by a transmission provider for purposes of transmission scheduling, then Power Services shall provide «Customer Name» with Scheduling Points of Receipt. Power Services has the right to provide power to «Customer Name» at Scheduling Points of Receipt that are different than the Primary Points of Receipt. If BPA does provide power to «Customer Name» at Scheduling Points of Receipt that are different than the Primary Points of Receipt, then BPA shall reimburse «Customer Name» for any incremental, direct, non-administrative costs incurred by «Customer Name» to comply with delivering Firm Requirements Power from such Scheduling Points of Receipt to «Customer Name»’s load if the following conditions, as outlined in (1) or (2) below, have been met:

(1) If «Customer Name» has long-term Point to Point (PTP) transmission service (as defined in BPA’s Open Access Transmission Tariff or its successor) for delivery of Firm Requirements Power to its load:

(A) «Customer Name» has requested long-term firm transmission service to deliver its Firm Requirements Power using the Primary Points of Receipt and other information provided by Power Services; and

(B) «Customer Name» has submitted a request to redirect its long-term firm PTP transmission service to deliver Firm Requirements Power from the Scheduling Point of Receipt on a firm basis, but that request was not granted; and

(C) «Customer Name»’s transmission schedule was curtailed due to non-firm status under PTP transmission service or «Customer Name» can provide proof of the reimbursable costs incurred to replace the curtailed schedule.

(2) If «Customer Name» has long-term Network Integration Transmission Service (as defined in BPA’s Open Access Transmission Tariff or its successor) for delivery of Firm Requirements Power to its load:

(A) «Customer Name» has requested long-term firm transmission service to deliver its Firm Requirements Power using the Primary Points of Receipt and other information provided by Power Services; and

(B) «Customer Name»’s transmission schedule was curtailed due to non-firm status under its secondary service status and «Customer Name» can provide proof of the reimbursable costs incurred to replace the curtailed schedule.

14.3 **Liability for Delivery**

«Customer Name» waives any claims against BPA arising under this Agreement for non-delivery of power to any points beyond the applicable Scheduling Points of Receipt, except for reimbursement of costs as described in section 14.2.3. BPA shall not be liable under this Agreement for any third-party claims related to the delivery of power after it leaves the Scheduling Points of Receipt. Neither Party shall be liable under this Agreement to the other Party for damage that results from any sudden, unexpected, changed, or abnormal electrical condition occurring in or on any electric system, regardless of ownership. These limitations on liability apply regardless of whether or not this Agreement provides for Transfer Service.

*Option 1:**Include the following if customer purchases the Slice/Block product and is NOT served by Transfer Service.*

14.4 **Real Power Losses**

BPA is responsible for the real power losses necessary to deliver Tier 1 Block Amounts and Tier 2 Block Amounts to «Customer Name»’s PODs listed in Exhibit E.

«Customer Name» shall be responsible for all real power losses associated with the delivery of its Slice Output Energy.

*End Option 1*

*Option 2:**Include the following if customer purchases the Slice/Block product and IS served by Transfer Service.*

14.4 **Real Power Losses**

BPA is responsible for the real power losses necessary to deliver Tier 1 Block Amounts and Tier 2 Block Amounts to «Customer Name»’s PODs listed in Exhibit E.

«Customer Name» shall be responsible for all real power losses associated with the delivery of its Slice Output Energy except BPA shall be responsible for real power losses associated with the delivery of Slice Output Energy across the Third-Party Transmission Provider’s system to «Customer Name»’s PODs listed in Exhibit E.

*End Option 2*

14.5 **Metering Losses**

BPA shall adjust measured amounts of power to account for metering losses, if any, that occur between «Customer Name»’s PODs and the respective POMs, as specified in Exhibit E.

*Option: Include section 14.6 for customers served by Transfer Service.*

14.6 **Delivery by Transfer**

Subject to the limitations in this section, BPA agrees to acquire and pay for Transfer Service assessed by the Third-Party Transmission Provider to deliver Firm Requirements Power and Surplus Firm Power to «Customer Name»’s transfer PODs, as listed in Exhibit E, in an amount not to exceed «Customer Name»’s Total Retail Load on an hourly basis.

BPA and «Customer Name» will coordinate to ensure that «Customer Name»’s relevant characteristics and plans are communicated to the Third-Party Transmission Provider; to confirm that «Customer Name» is aware of relevant details of the Transfer Service it acquires to serve «Customer Name»’s load; and to work to resolve any issues «Customer Name» may have related to the Transfer Service BPA acquires to serve the load.

BPA shall pass through to «Customer Name» the cost of Transfer Service assessed by the Third-Party Transmission Provider for power sold at the NR Rate, including ancillary services and real power losses, in accordance with any applicable BPA Wholesale Power Rate Schedules and GRSPs.

14.6.1 **Ancillary Services**

BPA shall acquire and pay for ancillary services needed to deliver Firm Requirements Power to «Customer Name»’s Transfer Service PODs listed in Exhibit E, subject to the following limitations:

(1) «Customer Name» shall reimburse BPA regulation and frequency response service or its replacement at the applicable Transmission Services rate, or its successor.

(2) BPA shall pay for the ancillary service(s) charged by a Third-Party Transmission Provider to deliver Firm Requirements Power to the PODs listed in Exhibit E, only if «Customer Name» is also purchasing such ancillary service(s) from Transmission Services to deliver Firm Requirements Power to the PODs in Exhibit E. If at any time «Customer Name» is not purchasing a specific ancillary service from Transmission Services to deliver Firm Requirements Power to one or more of the PODs listed in Exhibit E, then «Customer Name» shall pay Power Services a charge for such ancillary service to deliver power to the POD(s) in accordance with the applicable BPA Wholesale Power Rate Schedules and GRSPs.

«Customer Name» agrees to pay certain charges and BPA shall apply certain credits related to an energy imbalance market or a day ahead market associated with «Customer Name»’s load served by Transfer Service, consistent with the terms of the applicable BPA Wholesale Power Rate Schedules and GRSPs. Such charges and credits shall include, but are not limited to, those associated with «Customer Name»’s load served by Transfer Service Eligible Resources that «Customer Name» is responsible for scheduling or operating.

The Parties shall negotiate the terms and conditions necessary to implement this section 14.6.1 and pass through any energy imbalance market or day ahead market charges or credits. The Parties will include such terms and conditions in Exhibit D.

14.6.2 **Low Voltage Delivery**

Low voltage delivery is transmission service over the Low Voltage Segment by any Third-Party Transmission Provider’s system. “Low Voltage Segment” means the facilities of a Third-Party Transmission Provider that are below 34.5 kV. For low voltage delivery to identified PODs in Exhibit E, «Customer Name» shall pay Power Services the applicable Transfer Service Delivery Charge rate, or its successor, consistent with the applicable BPA Wholesale Power Rate Schedules and GRSPs. BPA shall pass through to «Customer Name» any costs associated with delivery to identified PODs in Exhibit E over a Low Voltage Segment that is not subject to the Transfer Service Delivery Charge.

14.6.3 **Direct Assignment Costs**

«Customer Name» shall pay BPA for all directly assigned costs, consistent with Transmission Services’ “BPA Facility Ownership and Cost Assignment Guidelines” and the “Final Supplemental Guidelines for Direct Assignment of Facilities Costs Incurred Under Transfer Agreements”, or their successors. Such costs include, but not limited to: facility, system and generation interconnection study costs, construction costs, upgrade costs, and expansion costs, or other capital costs for facilities directly associated with service to any «Customer Name» PODs assessed by the Third-Party Transmission Provider to BPA.  BPA shall pass through to «Customer Name» any credits received by BPA from the Third-Party Transmission Provider from the payment of such directly assigned costs.

14.6.4 **Penalties Assessed By the Third-Party Transmission Provider**

BPA has the right to pass through to «Customer Name» any penalty charges assessed by the Third-Party Transmission Provider that are associated with BPA’s acquisition of Transfer Service to the PODs identified in Exhibit E, except where the penalty is solely a result of a BPA error. Such charges may include, but are not limited to, power factor penalties or excessive energy imbalance penalties.

14.6.5 **Removal of PODs**

BPA may terminate deliveries at a POD if «Customer Name» consents to the termination or if the Parties determine that «Customer Name»’s requirements for power at such point may be adequately supplied under reasonable conditions and circumstances at different POD(s): (1) directly from the Federal Columbia River Transmission System, (2) indirectly from the facilities of another transmission owner/operator, or (3) both.

14.6.6 **Annexed Loads**

BPA shall arrange and pay for Transfer Service to serve «Customer Name»’s Annexed Load subject to the limitations in this section 14.6. «Customer Name» shall provide BPA written notice of any Annexed Load acquired greater than one Average Megawatt as soon as possible, but no later than 180 days prior to the commencement of service to the Annexed Load. However, BPA’s obligation to provide Transfer Service to «Customer Name»’s Annexed Load shall be limited by the megawatt caps and process for Annexed Load and new public customers set forth in BPA’s Provider of Choice Final Policy, March 2024, or any revision of that policy.

14.6.7 **Non-Federal Deliveries**

Subject to the limitations in this section 14.6 and Exhibit G, BPA agrees to acquire and pay the Third-Party Transmission Provider for Transfer Service to deliver Transfer Service Eligible Resources to «Customer Name»’s transfer PODs, as listed in Exhibit E, in an amount not to exceed «Customer Name»’s Total Retail Load on an hourly basis.

If «Customer Name» has or is acquiring a Transfer Service Eligible Resource, and «Customer Name» has requested that BPA assist in the acquisition of transmission services for such resource, then the Parties shall revise the Network Resource Section of Exhibit J of this Agreement to include specific terms and conditions under which BPA will obtain Transfer Service on a Third-Party Transmission Provider’s system for delivery of that resource to «Customer Name»’s system.

BPA shall pass through to «Customer Name» the cost of Transfer Service assessed by the Third-Party Transmission Provider for (1) BPA any service to a Planned NLSL or an NLSL pursuant to section 1 of Exhibit D where «Customer Name» has elected to serve the NLSL with a Transfer Service Eligible Resource, regardless of the Delivery Plan for such resource, (2) any Transfer Service Eligible Resource serving a portion of «Customer Name»’s Total Retail Load that «Customer Name» is obligated to serve with BPA provided electric power pursuant to this Agreement, or (3) any Transfer Service Eligible Resource where «Customer Name» is not acquiring and paying for transmission service from Transmission Services for that Transfer Service Eligible Resource.

«Customer Name» shall notify BPA if it intends to acquire any new non-federal resources serving «Customer Name»’s transfer PODs with a nameplate capability under 1 MW. If BPA notifies «Customer Name» that the new non-federal resource is subject to requirements from the Third-Party Transmission Provider, then such resource shall be treated as a Transfer Service Eligible Resource and subject to the requirements in this section 14.6.7 and Exhibit G. BPA may require metering and scheduling for any such non-federal resources consistent with the metering and scheduling requirements for Dedicated Resources.

14.6.8 **Unavailability of Transmission Service**

14.6.8.1 BPA shall acquire and pay for «Customer Name»’s firm Transfer Service when firm transmission is available. If a Third-Party Transmission Provider: (1) has indicated that long-term firm transmission service necessary to deliver power to any portion of «Customer Name»’s load served by Transfer Service is unavailable and (2) identifies upgrades are necessary to deliver power to «Customer Name» on firm transmission to such load on a long-term basis, then BPA shall attempt to acquire non-firm transmission from the Third‑Party Transmission Provider to serve «Customer Name»’s load on an interim basis until the identified upgrades are completed and firm transmission is available.

(1) If a Third-Party Transmission Provider has indicated that neither firm nor non-firm transmission service necessary to deliver power to any portion of «Customer Name»’s load served by Transfer Service is available, then (A) BPA shall have no obligation to deliver power under this Agreement to serve such load until that Third-Party Transmission Provider is able to provide transmission service and (B) «Customer Name» shall not continue forward to serve the load in excess of available transmission service from that Third-Party Transmission Provider.

(2) If a Third-Party Transmission Provider identifies upgrades necessary to deliver power on firm transmission to any portion of «Customer Name»’s load served by Transfer Service on a long‑term basis and «Customer Name» declines to pay any costs or deposits that the Third‑Party Transmission Provider requires to proceed with the upgrades consistent with section 14.6.3, then (A) BPA shall have no obligation to deliver power under this Agreement to serve such load, and (B) «Customer Name» shall not continue forward to serve the load in excess of available transmission service from that Third‑Party Transmission Provider.

(3) Notwithstanding the above, if a Third-Party Transmission Provider has determined transmission service is unavailable and «Customer Name» continues forward to serve the load in excess of the available transmission service, then BPA shall pass through to «Customer Name» any charges related to transmission service to «Customer Name»’s load that the Third‑Party Transmission Provider has indicated is unavailable.

14.6.8.2 Prior to any deliveries using non-firm transmission, pursuant to this section 14.6.8, to any portion of «Customer Name»’s load served by Transfer Service, BPA will inform «Customer Name» of the terms of service associated with such non-firm transmission arrangements and the Parties shall include such terms and mutually agree to revise Exhibit D.

14.6.8.3 BPA shall not be liable for any damages incurred by «Customer Name» associated with the Third‑Party Transmission Provider’s inability to provide firm or non-firm transmission, BPA’s inability to acquire transmission service, curtailment of non‑firm transmission service, or unserved load.

14.6.9 **Changes to «Customer Name»’s Third-Party Transmission Provider Transmission Needs**

As soon as possible, «Customer Name» shall notify and coordinate with BPA for any significant anticipated changes that would require «Customer Name» needing additional transmission from a Third‑Party Transmission Provider. In the event that multiple customers require and request capacity on any portion of the Third-Party Transmission Provider system, BPA shall address requests, including those in section 14.6.8, on a first come first served basis.

If «Customer Name» fails to notify and coordinate with BPA for any transmission needs greater than one megawatt, then BPA, in its sole discretion, may pass through any Third-Party Transmission Provider costs, including the cost of Transfer Service, related to the transmission needs that «Customer Name» failed to communicate for up to five years.

14.6.10 Upon notification by BPA, in the event that, during the term of this Agreement, «Customer Name» is served entirely without Transfer Service, this Agreement shall be revised to remove Transfer Service related provisions, including the provisions of this section 14.6 and Exhibit G.

*END Option 14.6 for Transfer Service Customers.*

*Drafter’s Note: Include section 14.7 for customers served by Transfer Service with load interconnected to multiple transmission systems:*

14.7 **Delivery of Non-Federal Resources Over Multiple Transmission Systems**

14.7.1 **Notice of Transmission System Delivery Plan**

If «Customer Name» is applying a Transfer Service Eligible Resource and the load is located on multiple transmission systems, then by September 1, 2027, «Customer Name» shall provide written notice to BPA of its Transmission System Delivery Plan(s) for service beginning October 1, 2028.

Beginning September 1, 2028, and by September 1 every year thereafter, «Customer Name» shall provide written notice to BPA of: (1) its Transmission System Delivery Plan for any new Transfer Service Eligible Resource(s) or (2) any changes to its Transmission System Delivery Plan for its current Transfer Service Eligible Resource(s). Such updated Transmission System Delivery Plans shall be for service to load beginning October 1 of the following calendar year.

«Customer Name»’s Transmission System Delivery Plan(s) under this section 14.7 shall adhere to the following requirements:

(1) the maximum potential output of all «Customer Name»’s Transfer Service Eligible Resources on a transmission system shall not exceed BPA’s forecast of «Customer Name»’s minimum load on that transmission system in any given hour.

(2) «Customer Name»’s Dedicated Resources for a specific load, such as an NLSL or On-Site Consumer Load, shall be delivered over the transmission system where the load is located.

If «Customer Name»’s updated Transmission System Delivery Plan(s) is not acceptable to BPA, then BPA shall provide notice to «Customer Name» and the Parties shall attempt to negotiate a revised Transmission System Delivery Plan(s). If the Parties cannot agree upon an acceptable Transmission System Delivery Plan(s), then the resource cannot be used to serve «Customer Name»’s load.

14.7.2 **Delivery of Non-Federal Resources According to Delivery Plan**

By March 31, 2028 BPA shall update Exhibit A with «Customer Name»’s accepted Transmission System Delivery Plan for each Transfer Service Eligible Resource. By March 31 every year thereafter, if «Customer Name» notifies BPA of any changes to «Customer Name»’s Transmission System Delivery Plan(s) according to section 14.7.1 above, then BPA shall update Exhibit A with «Customer Name»’s accepted new Transmission System Delivery Plan(s).

«Customer Name» shall apply its Transfer Service Eligible Resource to serve its load consistent with the Transmission System Delivery Plans. «Customer Name» shall be subject to charges associated with Delivery Plan, if any, in accordance with the applicable BPA Wholesale Power Rate Schedules and GRSPs established during the 7(i) Process.

*End Option 14.7 for customers served by Transfer Service interconnected to multiple transmission systems.*

15. METERING *(12/19/24 Version)*

15.1 **Requirements for Meters**

For purposes of forecasting, planning, or billing and pursuant to the requirements of section 17.5, BPA may require «Customer Name» to provide BPA some or all of «Customer Name»’s load data. Additionally, for purposes of forecasting, planning or billing, BPA may require «Customer Name» to provide BPA access to load meter data.

If, during the term of this Agreement, BPA determines that the load data BPA has requested and «Customer Name» has provided to BPA is not adequate or verifiable, or if BPA determines that either load or resource meter data is needed to administer this Agreement, then «Customer Name» shall allow BPA to install BPA owned meters, at BPA’s expense, to collect such data.

For all new meters and for all existing meters listed in Exhibit E, used by BPA for forecasting, planning, or billing, the following requirements shall apply.

15.1.1 **BPA Owned Meters**

At BPA’s expense, BPA shall operate, maintain, and replace, as necessary, all metering equipment owned by BPA that is needed to forecast, plan, or bill for «Customer Name»’s power needs under this Agreement consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA. «Customer Name» authorizes BPA to maintain and replace any BPA owned metering equipment on «Customer Name» facilities that is reasonably necessary to forecast, plan, or bill for power. With reasonable notice from BPA, and for the purpose of implementing this provision, «Customer Name» shall grant BPA reasonable physical access to BPA owned meters at BPA’s request, consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA.

If, at any time, either Party determines that a BPA owned meter is defective or inaccurate, then BPA shall adjust, repair, or replace the meter to provide accurate metering as soon as practical consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA. «Customer Name» shall have the right to witness any meter tests conducted by BPA on BPA owned meters listed in Exhibit E, consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA.

15.1.2 **Non-BPA Owned Meters**

15.1.2.1 **Non-BPA** **Owned Meters Owned by** «**Customer Name»**

At «Customer Name»’s expense, «Customer Name» shall operate, maintain, and replace, as necessary, all non-BPA metering equipment that is owned by «Customer Name» that is needed by BPA to forecast, plan, or bill for «Customer Name»’s power needs under this Agreement. For the purpose of inspection, «Customer Name» shall grant BPA reasonable physical access to «Customer Name»’s meters at BPA’s request, consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA.

If, at any time, BPA or «Customer Name» determines that a «Customer Name» owned meter listed in Exhibit E is defective or inaccurate, then «Customer Name» shall adjust, repair, or replace the meter, or shall make commercially reasonable efforts to arrange for the completion of such actions, to provide accurate metering as soon as practical. BPA shall have the right to witness any meter tests conducted by «Customer Name» on «Customer Name» owned meters listed in Exhibit E, consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA.

15.1.2.2 **Non-BPA Owned Meters Not Owned by «Customer Name»**

For non-BPA owned meters not owned by «Customer Name» needed by BPA to forecast, plan, or bill for power under this Agreement, «Customer Name» shall make commercially reasonable efforts to arrange for such meters to be operated, maintained and replaced, as necessary.

If, at any time, it is determined that a non-BPA owned meter not owned by «Customer Name» listed in Exhibit E is defective or inaccurate, then «Customer Name» shall make commercially reasonable efforts to arrange to adjust, repair, or replace the meter, to provide accurate metering as soon as practical. To the extent possible, BPA may witness any meter tests on non-BPA owned meters not owned by «Customer Name» listed in Exhibit E, consistent with «Customer Name»’s Network Operating Agreement, BPA’s Metering Application Requirements, or their successors, or other agreements «Customer Name» has with BPA.

15.1.2.3 **Non-BPA Owned Meters Owned by a Third-Party Transmission Provider**

For non-BPA owned meters owned by a Third-Party Transmission Provider for which BPA holds a transmission contract for service to «Customer Name» load, the metering arrangements shall be between BPA and the Third-Party Transmission Provider.

15.1.3 **New Meters**

A separate agreement addressing the location, cost responsibility, access, maintenance, testing, and liability of the Parties with respect to new meters shall be between «Customer Name» and Transmission Services.

All new and replaced meters installed by either Party shall meet the American National Standard Institute standards and the Requirements for Instrument Transformers, or their replacement as specified in BPA’s applicable metering procedures and requirements posted to BPA’s publicly accessible metering services website as of the date of installation.

15.2 **Metering an NLSL**

In addition to the provisions contained in this section 15, any loads that are monitored by BPA for an NLSL determination and any NLSLs shall be metered pursuant to section 20.3.3.

15.3 **Metering Exhibit**

«Customer Name» shall provide meter data specified in section 17.3. BPA shall list «Customer Name»’s PODs, POMs, Interchange Points as applicable, and related information in Exhibit E.

16. BILLING AND PAYMENT *(12/11/24 Version)*

16.1 **Billing**

BPA shall electronically bill «Customer Name» monthly for all products and services, including any charges and credits incurred, provided during the preceding month(s). However, if electronic transmittal of the bill is not possible, then BPA shall mail a physical copy of the bill to «Customer Name». BPA may send «Customer Name» an estimated bill prior to a final bill, and may send subsequent revisions if needed. The Issue Date is the date BPA sends the bill to «Customer Name».

*Option 1: Include the following for all customers except Federal customers utilizing IPAC*

16.2 **Payment**

«Customer Name» shall pay all bills electronically in accordance with instructions on the bill. Payment of all bills, whether estimated or final, must be received by the 20th day after the Issue Date of the bill (Due Date). If the 20th day is a Saturday, Sunday, or federal holiday, then the Due Date is the next Business Day.

If «Customer Name» has made payment on an estimated bill then:

(1) if the amount of the final bill exceeds the amount of the estimated bill, then «Customer Name» shall pay BPA the difference between the estimated bill and final bill by the final bill’s Due Date; or

(2) if the amount of the final bill is less than the amount of the estimated bill, then BPA shall pay «Customer Name» the difference between the estimated bill and final bill by the 20th day after the final bill’s Issue Date. If the 20th day is a Saturday, Sunday, or federal holiday, BPA shall pay the difference by the next Business Day.

16.3 **Late Payments**

If «Customer Name» has not paid its bill in full by the Due Date, BPA shall apply a daily interest charge to any unpaid balance equal to the higher of:

(1) the Prime Rate (as reported in the Wall Street Journal or successor publication in the first issue published during the month in which payment was due) plus four percent, divided by 365; or

(2) the Prime Rate times 1.5, divided by 365.

*End Option 1*

*Option 2: Include the following for Federal customers utilizing IPAC*

16.2 **Payment**

«Customer Name» shall pay all bills electronically in accordance with instructions on the bill. Payment of all bills, whether estimated or final, must be received by the 20th day after the Issue Date of the bill (Due Date). If the 20th day is a Saturday, Sunday, or federal holiday, then the Due Date is the next Business Day. Subject to the availabity of funds, BPA shall collect the amount due by the Due Date from «Customer Name» through Intra-Governmental Payment and Collection (IPAC) system, or its successor.

16.3 **This section intentionally left blank.**

*End Option 2*

16.4 **Failure to Pay**

If «Customer Name» has not paid its bill in full by the Due Date, then BPA shall notify «Customer Name» of nonpayment. «Customer Name» shall have 45 days after receipt of the written notice to cure its nonpayment by making payment in full. If «Customer Name» does not provide full payment within the 45-day cure period, then BPA shall send an additional written notice of nonpayment to «Customer Name». «Customer Name» shall then have three Business Days after receipt of the additional written notice to provide payment. If «Customer Name» has not provided payment within three Business Days after receipt of the additional written notice and BPA determines in its sole discretion that «Customer Name» is unable to make the payments owed, then BPA may terminate this Agreement pursuant to section 23. Written notices sent under this section 16.4 must comply with section 1 of Exhibit I.

16.5 **Disputed Bills**

16.5.1 If «Customer Name» disputes any portion of a charge or credit on «Customer Name»’s estimated or final bills, «Customer Name» shall provide written notice to BPA with a copy of the bill noting the disputed amounts. Notwithstanding whether any portion of the bill is in dispute, «Customer Name» shall pay the entire bill by the Due Date. This section 16.5.1 does not allow «Customer Name» to challenge the validity of any BPA rate.

16.5.2 Unpaid amounts on a bill (including both disputed and undisputed amounts) are subject to the late payment charges provided above. Notice of a disputed charge on a bill does not constitute BPA’s agreement that a valid claim under contract law has been stated.

*Option 1: Include the following for all customers except Federal customers utilizing IPAC*

16.5.3 If the Parties agree, or if after a final determination of a dispute pursuant to section 19, «Customer Name» is entitled to a refund of any portion of the disputed amount, then BPA shall make such refund with simple interest computed from the date of receipt of the disputed payment to the date the refund is made. The daily interest rate shall equal the Prime Rate (as reported in the Wall Street Journal or successor publication in the first issue published during the month in which payment was due) divided by 365.

*End Option 1*

*Option 2: Include the following for Federal customers utilizing IPAC*

16.5.3 If the Parties agree, or if after a final determination of a dispute pursuant to section 19 it is determined, «Customer Name» is entitled to a refund of any portion of the disputed amount, then BPA shall make such refund available to «Customer Name» through the IPAC system, or its successor.

*End Option 2*

17. INFORMATION EXCHANGE AND CONFIDENTIALITY *(12/18/24 Version)*

17.1 **General Requirements**

Upon request, each Party shall provide the other Party any information that is necessary to administer this Agreement and to forecast «Customer Name»’s Total Retail Load, forecast BPA system load, comply with NERC reliability standards, prepare bills, resolve billing disputes, administer Transfer Service, forecast and monitor large loads and NLSLs, and otherwise implement this Agreement. For example, this obligation includes, but is not limited to: (1) load and resource data relating to large loads and NLSLs; (2) transmission and power scheduling information; (3) load and resource metering information (such as customer system one-line and metering diagrams, loss factors, historical hourly load and resource data, etc.); and, (4) Energy Storage Device data.

In addition, «Customer Name» shall provide information BPA requests about Dedicated Resources for purposes of meeting: (1) BPA’s statutory obligations under section 7(b) of the Northwest Power Act and (2) regional resource adequacy programs and market participation.

The Parties shall make best efforts to provide information requested under this section 17.1 within the time frame specified in the request. If «Customer Name» fails to provide BPA with information «Customer Name» is required to provide pursuant to this Agreement and the absence of such information makes it impossible for BPA to perform a calculation, make a determination, or take an action required under this Agreement, then BPA may suspend its obligation to perform such calculation, make such determination, or take such action until «Customer Name» has provided such information to BPA.

17.2 **Reports**

17.2.1 Within 30 days after final approval of «Customer Name»’s annual financial report and statements by «Customer Name»’s authorized officer, «Customer Name» shall either e-mail them to BPA at kslf@bpa.gov or, if any of the information is publicly available, then «Customer Name» shall notify BPA of its availability.

17.2.2 Within 30 days after its submittal to the Energy Information Administration (EIA), or its successor, «Customer Name» shall e‑mail a copy of its Annual Form EIA-861 Reports to BPA at kslf@bpa.gov. If «Customer Name» is not required to submit such reports to the EIA, then this requirement does not apply.

17.2.3 By November 30, 2028, and by November 30 each year thereafter, «Customer Name» shall provide to the Pacific Northwest Utilities Conference Committee (PNUCC), or its successor, forecasted loads, Energy Storage Devices, and resources data to facilitate a region-wide assessment of loads and resources in a format, length of time, and level of detail specified in PNUCC’s Northwest Regional Forecast Data Request.

After consultation with the Resource Adequacy Advisory Committee, or a successor, BPA may require «Customer Name» to submit additional data to the Northwest Power and Conservation Council (Council) that BPA determines is necessary for the Council to perform a regional resource adequacy assessment.

The requirements of this section 17.2.3 are waived if «Customer Name»: (1) purchases all the power to serve its Total Retail Load from BPA and (2) uses no Energy Storage Device(s) to serve its Total Retail Load.

«Customer Name» may require PNUCC or Council to execute a commercially reasonable non-disclosure agreement consistent with the terms of section 17.8 before providing such entities the data and information required pursuant to this section 17.2.3, as applicable.

17.2.4 If «Customer Name» is required by applicable law, their transmission provider, or directive (i.e. utility board resolution) to prepare and publish long-term integrated resource plans or resource forecasts, then Power Services may request and «Customer Name» shall provide Power Services with updated copies of such.

17.3 **Meter Data**

17.3.1 In accordance with section 15 and Exhibit E, the Parties shall notify each other of any changes to PODs, POMs, Interchange Points and related information for which each Party is responsible. «Customer Name» shall ensure BPA has access to all data from load, Energy Storage Device, and resource meters that BPA determines are necessary to administer this Agreement including to forecast, plan, schedule, and bill under this Agreement. Access to these data shall be on a schedule agreed to by the Parties. Meter data include, but are not limited to: «Customer Name»’s actual amounts of energy used, expended, or stored for loads,resources, and Energy Storage Devices, and the physical attributes of «Customer Name»’s meters.

17.3.2 «Customer Name» consents to allow Power Services to receive the following information from Transmission Services and BPA’s metering function: (1) «Customer Name»’s meter data, as specified in section 17.3.1, section 15, and Exhibit E, and (2) notification of outages or load shifts.

17.3.3 When the following events are planned to occur on «Customer Name»’s system that will affect the load measured by the meters listed in Exhibit E, then «Customer Name» shall provide BPA with advance notice by e‑mailing BPA at: (1) mdm@bpa.gov and (2) the contacts shown in section 1 of Exhibit I: (1) installation of a new meter, (2) changes or updates to an existing meter not owned by BPA, (3) any planned line or planned meter outages, and (4) any planned load shifts from one POD to another.

«Customer Name» shall follow all applicable metering procedures and requirements posted to BPA’s publicly accessible metering services website. Such requirements include, but are not limited to, specifying the number of required advance days’ notice for the events listed above.

This section 17.3.3 is not intended to apply to retail meters not listed in Exhibit E.

17.3.4 If an unplanned load shift or outage occurs, materially affecting the load measured by the meters listed in Exhibit E, then «Customer Name» shall e‑mail BPA at: (1) mdm@bpa.gov, and (2) the contacts shown in section 1 of Exhibit I within 72 hours after the event.

17.4 **Data for Determining CHWM**

Upon request, «Customer Name» shall provide to BPA any load and resource information that BPA determines is reasonably necessary to calculate «Customer Name»’s CHWM. This may include historical load data not otherwise available to BPA and other data necessary to allow BPA to adjust for weather normalization.

17.5 **Hourly Total Retail Load Data**

BPA shall notify «Customer Name» by January 15, 2026, if BPA determines that it does not have adequate hourly meter data to calculate «Customer Name»’s Total Retail Load. If BPA sends such notification, «Customer Name» shall e‑mail the following hourly data to BPA at kslf@bpa.gov according to the schedule below. «Customer Name» shall submit such data in a comma-separated-value (csv) format with the time/date stamp in one column and load amounts, with units of measurement specified, in another column.

17.5.1 By June 30, 2026, «Customer Name» shall send to BPA «Customer Name»’s actual hourly Total Retail Load data for Fiscal Year 2016 through Fiscal Year 2025.

17.5.2 By December 31, 2026, and by December 31 of each year thereafter, «Customer Name» shall send BPA «Customer Name»’s actual hourly Total Retail Load data for the immediately preceding Fiscal Year.

17.6 **Total Retail Load Forecast**

17.6.1 By December 31, 2026, and by December 31 of each Forecast Year thereafter, «Customer Name» shall provide BPA a forecast of «Customer Name»’s monthly energy and «Customer Name»’s system coincidental peak of «Customer Name»’s Total Retail Load for the upcoming ten Fiscal Years. «Customer Name» shall e‑mail the forecast to BPA at kslf@bpa.gov, in a comma-separated-value (csv) format. «Customer Name» shall send the csv file with the following data elements in separate columns:

(1) four-digit calendar year,

(2) three-character month identifier,

(3) monthly energy forecast,

(4) unit measurement of monthly energy forecast,

(5) «Customer Name»’s monthly «Customer Name»-system coincidental peak forecast, and

(6) unit measurement of monthly «Customer Name»-system coincidental peak forecast.

Unless a BPA forecast under section 17.6.3 below is applied, BPA shall fill in the table in section 1.1 of Exhibit A with «Customer Name»’s Total Retail Load forecast submitted under this section 17.6.1 by March 31, 2028, and by March 31 of each Rate Case Year thereafter.

17.6.2 No later than January 31 ahead of power delivery for a Fiscal Year, «Customer Name» may submit an updated Total Retail Load forecast for use in establishing «Customer Name»’s Net Requirement for the remaining year(s) of that Rate Period. Unless a BPA forecast under section 17.6.3 below is used, BPA shall calculate such Net Requirement using such updated Total Retail Load forecast if one or more of the following apply:

(1) «Customer Name»’s updated Total Retail Load forecast: (A) changes by at least 20% or 30 aMWs compared to the forecast used to establish «Customer Name»’s Above-CHWM Load, and (B) would change «Customer Name»’s Net Requirement eligible for power at the Tier 1 PF rate; or

(2) «Customer Name» permanently removes a Specified Resource listed in section 2 of Exhibit A, consistent with section 3.5.6 of the body of this Agreement, that would change «Customer Name»’s Net Requirement.

Unless a BPA forecast under section 17.6.3 below is applied, if «Customer Name» submits an updated Total Retail Load forecast as provided above, then by March 31 following «Customer Name»’s submittal BPA shall fill in the table in section 1.1 of Exhibit A with «Customer Name»’s Total Retail Load forecast for the remaining Fiscal Year(s) of the Rate Period.

17.6.3 For any Total Retail Load forecast «Customer Name» submits pursuant to sections 17.6.1 and 17.6.2 above, BPA may notify «Customer Name» no later than one calendar month after such submittal if BPA determines «Customer Name»’s submitted forecast is not reasonable. If BPA determines «Customer Name»’s submitted forecast is not reasonable, then BPA shall fill in the table in section 1.1 of Exhibit A with a forecast BPA determines to be reasonable by March 31 immediately preceding the start of the Fiscal Year.

17.7 **Transparency of Net Requirements Process**

By July 31, 2028, and by July 31 each Rate Case Year thereafter, BPA shall make the following information publicly available to «Customer Name» and all other BPA regional utility customers with a CHWM:

(1) «Customer Name»’s measured Total Retail Load data for the previous two Fiscal Years in monthly energy amounts and monthly customer-system peak amounts, and

(2) «Customer Name»’s Dedicated Resources for the previous two Fiscal Years in monthly energy and peak amounts as listed in section 5 of Exhibit A.

«Customer Name» waives all claims of confidentiality regarding the data described above.

17.8 **Confidentiality**

Before «Customer Name» provides information to BPA that is confidential, or is otherwise subject to privilege or nondisclosure, «Customer Name» shall clearly designate such information as confidential. BPA shall notify «Customer Name» as soon as practicable of any request received under the Freedom of Information Act (FOIA), or under any other federal law or court or administrative order, for any confidential information. BPA shall only release such confidential information to comply with FOIA or if required by any other federal law or court or administrative order. BPA shall limit the use and dissemination of confidential information within BPA to employees who need it for purposes of administering this Agreement.

17.9 **Resources Not Used to Serve Total Retail Load**

«Customer Name» shall list in section 6 of Exhibit A all Generating Resources «Customer Name» owns that are: (1) not Specified Resources listed in section 2 of Exhibit A, and (2) greater than 1.000 megawatt of nameplate capability. At BPA’s request «Customer Name» shall provide BPA with additional data if needed to verify the information listed in section 6 of Exhibit A.

18. UNCONTROLLABLE FORCES *(06/10/24 Version)*

18.1 A Party shall not be in breach of an obligation under this Agreement to the extent its failure to fulfill the obligation is due to an Uncontrollable Force. “Uncontrollable Force” means an event beyond the reasonable control, and without the fault or negligence, of the Party claiming the Uncontrollable Force, that prevents that Party from performing its obligations under this Agreement and which that Party could not have avoided by the exercise of reasonable care, diligence and foresight. Uncontrollable Forces include each event listed below, to the extent it satisfies the foregoing criteria, but are not limited to these listed events:

(1) any curtailment or interruption of firm transmission service on BPA’s or a Third-Party Transmission Provider’s System that prevents delivery of Firm Requirements Power sold under this Agreement to «Customer Name»;

(2) any failure of «Customer Name»’s distribution or transmission facilities that prevents «Customer Name» from delivering power to end-users;

(3) strikes, work stoppage, or terrorist acts;

(4) floods, earthquakes, other natural disasters, epidemics, or pandemics; and

(5) final orders or injunctions issued by a court or regulatory body having subject matter jurisdiction which the Party claiming the Uncontrollable Force, after diligent efforts, was unable to have stayed, suspended, or set aside pending review by a court having subject matter jurisdiction.

18.2 Neither the unavailability of funds or financing, nor conditions of national or local economies or markets shall be considered an Uncontrollable Force. The economic hardship of either Party shall not constitute an Uncontrollable Force. Nothing contained in this provision shall be construed to require either Party to settle any strike or labor dispute in which it may be involved.

18.3 If an Uncontrollable Force prevents a Party from performing any of its obligations under this Agreement, such Party shall:

(1) promptly notify the other Party of such Uncontrollable Force by any means practicable and confirm such notice in writing as soon as reasonably practicable;

(2) use commercially reasonable efforts to mitigate the effects of such Uncontrollable Force, remedy its inability to perform, and resume full performance of its obligation hereunder as soon as reasonably practicable;

(3) keep the other Party apprised of such efforts on an ongoing basis; and

(4) provide written notice of the resumption of performance.

Written notices sent under this section must comply with Exhibit I.

18.4 The Parties shall keep each other apprised of the status of any Uncontrollable Force once invoked.

19. GOVERNING LAW AND DISPUTE RESOLUTION *(05/06/24 Version)*

*Option: Include for Tribal customers*«Customer Name» agrees that it will not assert as a defense to any claim by BPA hereunder, its sovereign immunity, and said immunity is hereby expressly waived for any obligations, liabilities, or duties owed by «Customer Name» to the Bonneville Power Administration, United States Department of Energy, under this Agreement.*End Tribal Option* This Agreement shall be interpreted consistent with and governed by federal law. «Customer Name» and BPA shall identify issue(s) in dispute arising out of this Agreement and make a good faith effort to negotiate a resolution of such disputes before either may initiate litigation or arbitration. Such good faith effort shall include discussions or negotiations between the Parties’ executives or managers. Pending resolution of a contract dispute or contract issue between the Parties or through formal dispute resolution of a contract dispute arising out of this Agreement, the Parties shall continue performance under this Agreement unless to do so would be impossible or impracticable. Unless the Parties engage in binding arbitration as provided for in this section 19, the Parties reserve their rights to individually seek judicial resolution of any dispute arising under this Agreement.

19.1 **Judicial Resolution**

Final actions subject to section 9(e) of the Northwest Power Act are not subject to arbitration under this Agreement and shall remain within the exclusive jurisdiction of the United States Court of Appeals for the Ninth Circuit. Such final actions include, but are not limited to, the establishment and the implementation of rates and rate methodologies. Any dispute regarding any rights or obligations of «Customer Name» or BPA under any rate or rate methodology, or BPA policy, including the implementation of such policy, shall not be subject to arbitration under this Agreement. For purposes of this section 19, BPA policy means any written document adopted by BPA as a final action in a decision record or record of decision that establishes a policy of general application or makes a determination under an applicable statute or regulation. If BPA determines that a dispute is excluded from nonbinding arbitration under this section 19, then «Customer Name» may apply to the federal court having jurisdiction for an order determining whether such dispute is subject to nonbinding arbitration under this section 19.

19.2 **Arbitration**

Any contract dispute or contract issue between the Parties arising out of this Agreement, which is not excluded by section 19.1 above, shall be subject to arbitration, as set forth below.

«Customer Name» may request that BPA engage in binding arbitration to resolve any dispute. If «Customer Name» requests such binding arbitration and BPA determines in its sole discretion that binding arbitration of the dispute is appropriate under BPA’s Binding Arbitration Policy or its successor, then BPA shall engage in such binding arbitration, provided that the remaining requirements of this section 19.2 and sections 19.3 and 19.4 are met. BPA may request that «Customer Name» engage in binding arbitration to resolve any dispute. In response to BPA’s request, «Customer Name» may agree to binding arbitration of such dispute, provided that the remaining requirements of this section 19.2 and sections 19.3 and 19.4 are met. Before initiating binding arbitration, the Parties shall draft and sign an agreement to engage in binding arbitration, which shall set forth the precise issue in dispute, the amount in controversy and the maximum monetary award allowed, pursuant to BPA’s Binding Arbitration Policy or its successor.

Nonbinding arbitration shall be used to resolve any dispute arising out of this contract that is not excluded by section 19.1 above and is not resolved via binding arbitration, unless «Customer Name» notifies BPA that it does not wish to proceed with nonbinding arbitration.

19.3 **Arbitration Procedure**

Any arbitration shall take place in Portland, Oregon, unless the Parties agree otherwise. The Parties agree that a fundamental purpose for arbitration is the expedient resolution of disputes; therefore, the Parties shall make best efforts to resolve an arbitrable dispute within one year of initiating arbitration. The rules for arbitration shall be agreed to by the Parties.

19.4 **Arbitration Remedies**

The payment of monies shall be the exclusive remedy available in any arbitration proceeding pursuant to this section 19. This shall not be interpreted to preclude the Parties from agreeing to limit the object of arbitration to the determination of facts. Under no circumstances shall specific performance be an available remedy against BPA.

19.5 **Finality**

19.5.1 In binding arbitration, the arbitration award shall be final and binding on the Parties, except that either Party may seek judicial review based upon any of the grounds referred to in the Federal Arbitration Act, 9 U.S.C. §1-16 (1988). Judgment upon the award rendered by the arbitrator(s) may be entered by any court having jurisdiction thereof.

19.5.2 In nonbinding arbitration, the arbitration award is not binding on the Parties. Each Party shall notify the other Party within 30 calendar days, or such other time as the Parties otherwise agreed to, whether it accepts or rejects the arbitration award. Subsequent to nonbinding arbitration, if either Party rejects the arbitration award, either Party may seek judicial resolution of the dispute, provided that such suit is brought no later than 395 calendar days after the date the arbitration award was issued.

19.6 **Arbitration Costs**

Each Party shall be responsible for its own costs of arbitration, including legal fees. Unless otherwise agreed to by the Parties, the arbitrator(s) may apportion all other costs of arbitration between the Parties in such manner as the arbitrator(s) deem reasonable taking into account the circumstances of the case, the conduct of the Parties during the proceeding, and the result of the arbitration.

20. STATUTORY PROVISIONS

20.1 **Retail Rate Schedules*****(06/10/24 Version)***

«Customer Name» shall make its retail rate schedules available to BPA, as required by section 5(a) of the Bonneville Project Act, P.L. 75‑329, within 30 days of each of «Customer Name»’s retail rate schedule effective dates. This requirement may be satisfied by «Customer Name» informing BPA of its public website where such information is posted and kept current.

20.2 **Insufficiency and Allocations*(06/10/24 Version)***

If BPA determines, consistent with section 5(b) of the Northwest Power Act and other applicable statutes, that it will not have sufficient resources on a planning basis to serve its loads after taking all actions required by applicable laws then BPA shall give «Customer Name» a written notice that BPA may restrict service to «Customer Name». Such notice shall be consistent with BPA’s insufficiency and allocations methodology, published in the Federal Register on March 20, 1996, and shall state the effective date of the restriction, the amount of «Customer Name»’s load to be restricted and the expected duration of the restriction. BPA shall not change that methodology without the written agreement of all public body, cooperative, federal agency and investor-owned utility customers in the Region purchasing electric power from BPA under section 5(b) of the Northwest Power Act. Such restriction shall take effect no sooner than five years after BPA provides notice to «Customer Name». If BPA imposes a restriction under this provision then the amount of Firm Requirements Power that BPA is obligated to provide and that «Customer Name» is obligated to purchase pursuant to section 3 and Exhibit C shall be reduced to the amounts available under such allocation methodology for restricted service.

20.3 **New Large Single Loads and CF/CTs*(12/11/24 Version)***

20.3.1 **Customer Notice of Large Loads and** **Determination of an NLSL**

«Customer Name» shall provide reasonable notice to BPA of any expected increase in a single load that may qualify as a Potential NLSL, Planned NLSL, or NLSL.

Pursuant to this section 20.3, BPA shall determine if any load associated with a single facility that is capable of growing ten Average Megawatts or more in a consecutive 12‑month period is a Potential NLSL or an NLSL. Pursuant to this section 20.3, the Parties shall determine if any load associated with a single facility is a Planned NLSL.

*Reviewer’s Note: Section 2.# will point to the definition of Potential NLSL.*

«Customer Name»’s Potential NLSLs, Planned NLSLs, and NLSLs shall be subject to monitoring as determined necessary by BPA. For the purposes of section 2.«#», this section 20.3, and section 1 of Exhibit D, ten Average Megawatts means 87,600,000 kilowatt-hours for any consecutive 12-month period.

In accordance with BPA’s NLSL Policy and the terms of this section 20.3, BPA may determine that a load is an NLSL as follows:

20.3.1.1 BPA shall determine an increase in production load to be an NLSL if any load associated with a new facility, an existing facility, or an expansion of an existing facility, which is not contracted for, or committed to (CF/CT), as determined by the Administrator, by a public body, cooperative, investor-owned utility, or federal agency customer prior to September 1, 1979, and which will result in an increase in power requirements of such customer of ten Average Megawatts (87,600,000 kilowatt‑hours) or more in any consecutive 12‑month period.

20.3.1.2 For the sole purpose of computing the increase in energy consumption between any two consecutive 12‑month periods of comparison under this section 20.3.1, BPA shall determine if the reductions in the end-use consumer’s load associated with a facility during the first 12‑month period of comparison are due to unusual events reasonably beyond the control of the end-use consumer, and, if so, BPA shall compute the energy consumption as if such reductions had not occurred.

20.3.1.3 The Parties may agree that the applicable increase in load of installed production equipment at a facility will equal or exceed ten Average Megawatts consumption over any 12 consecutive months and that such production load shall constitute an NLSL. Any such agreement shall constitute a binding NLSL determination, and BPA shall add the NLSL to section 1 of Exhibit D. Alternatively, the Parties may agree that the load at a facility is expected to become an NLSL during the facility’s next consecutive 12‑month monitoring period and is a Planned NLSL.

20.3.1.4 Unless the Parties agree pursuant to section 20.3.1.3 above, BPA shall determine whether a new load or an increase in existing load at a facility is an NLSL. If BPA determines that the load at a facility is an NLSL, then BPA shall notify «Customer Name» and BPA shall add the NLSL to section 1 of Exhibit D if such is not already in Exhibit D after the facility determination pursuant to section 20.3.2.

20.3.1.5 BPA shall list «Customer Name»’s CF/CT loads, Potential NLSLs, Planned NLSLs, and NLSLs in section 1 of Exhibit D.

20.3.2 **Determination of a Facility**

BPA shall make a written determination as to what constitutes a single facility, for the purpose of identifying an NLSL. BPA’s determination will be made by applying some or all of the following criteria:

(1) whether the load is operated by a single end-use consumer;

(2) whether the load is in a single location;

(3) whether the load serves a manufacturing process which produces a single product or type of product;

(4) whether separable portions of the load are interdependent;

(5) whether the load is separately metered from other loads;

(6) whether the load is contracted for, served or billed as a single load under «Customer Name»’s customary billing and service policy or practices;

(7) consideration of the facts from previous similar situations; and

(8) any other factors the Parties determine to be relevant.

20.3.3 **Access and** **Metering**

Upon BPA request, «Customer Name» shall provide physical access to its substations and other service locations where BPA needs to perform inspections or gather information for purposes of implementing section 3(13) of the Northwest Power Act. Such BPA inspections may include but are not limited to those needed to make a facility, final NLSL, or CF/CT determination. «Customer Name» shall coordinate with the end-use consumer to provide BPA, at reasonable times, physical access to inspect a facility for these purposes.

For any loads that are monitored by BPA for an NLSL determination, and for any loads at any facility that is determined by BPA to be an NLSL, BPA may, in its sole discretion, install BPA owned meters. If the Parties agree, «Customer Name» may install meters meeting specifications BPA provides to «Customer Name». «Customer Name» and BPA shall enter into a separate agreement for the location, ownership, cost responsibility, access, maintenance, testing, replacement and liability of the Parties with respect to such meters. «Customer Name» shall coordinate with BPA and the end-use consumer to arrange for metering locations that allow accurate measurement of the facility’s load. «Customer Name» shall arrange for BPA to have physical access to such meters and «Customer Name» shall ensure BPA has access to all meter data for loads that are monitored under this section 20.3 and section 1 of Exhibit D that BPA determine are necessary to forecast, plan, schedule, and bill for power.

20.3.4 **Billing for Large Loads Capable of Growing By More Than 10 aMW in 12-Month Monitoring Period**

At the time a load starts to increase, if BPA does not determine that such increase in load is a Planned NLSL or an NLSL, then BPA shall bill «Customer Name» for the increase in load at a facility at the applicable PF rates during any consecutive 12‑month monitoring period.

If BPA later determines that the increase in load is an NLSL, then BPA shall revise «Customer Name»’s bills to reflect the difference between the assessed PF rates and the applicable NR rates in effect for the monitoring period in which the increase takes place. «Customer Name» shall pay that bill with simple interest computed daily from the start of the monitoring period to the date the payment is made. The daily interest rate shall equal the Prime Rate (as reported in the Wall Street Journal or successor publication in the first issue published during the month in which the monitoring period began) divided by 365. After BPA’s NLSL determination, «Customer Name» shall make a service request or election for the NLSL pursuant to section 20.3.6.

If BPA concludes in its sole judgment that «Customer Name» has not fulfilled its obligations, or has not been able to obtain access or information from the end-use consumer under this section 20.3 , then BPA may determine any large load capable of growing ten Average Megawatts or more in a consecutive 12‑month period or any Potential NLSL subject to monitoring to be an NLSL, in which case «Customer Name» shall be billed and pay in accordance with the preceding paragraph. Such NLSL determination shall be final unless «Customer Name» proves to BPA’s satisfaction that the applicable increase in load did not equal or exceed ten Average Megawatts in any 12‑month monitoring period.

20.3.5 **Load Status at the End of the Consecutive 12‑Month Monitoring Period**

At the end of each consecutive 12‑month monitoring period of a facility’s load, BPA will determine if the metered load at a facility has grown by ten Average Megawatts or more during the preceding consecutive 12‑month monitoring period. To determine load growth for a facility determined to be a CF/CT, BPA will subtract the amount of firm energy contracted for, or committed for the facility, as stated in section 1 of Exhibit D, from the metered load at the facility for the preceding consecutive 12‑month monitoring period.

20.3.5.1 **Load Growth By 10 Average Megawatts or More**

If the load at a facility has grown by ten Average Megawatts or more in the preceding consecutive 12‑month monitoring period, then the load is an NLSL. BPA shall notify «Customer Name» of the NLSL designation and shall update section 1 of Exhibit D. Any future increases in the load shall be part of the NLSL.

20.3.5.2 **Load Growth Less Than 10 Average Megawatts**

If the load at a facility has grown by less than ten Average Megawatts in the preceding consecutive 12‑month monitoring period, then BPA shall notify «Customer Name» that the load remains a Potential NLSL or Planned NLSL, and BPA may continue to monitor the load growth in the subsequent consecutive 12‑month monitoring period. «*Option 1: Include for Load Following customers:*BPA shall also determine if liquidated damages are applicable pursuant to section 1.8 of Exhibit D.»«*Option 2: Include for Block and Slice/Block customers:*BPA shall also determine if liquidated damages are applicable pursuant to section 1.6 of Exhibit D.»

If a facility’s load has grown by less than ten Average Megawatts in the preceding consecutive 12‑month monitoring period(s), then BPA will track the cumulative total load from one monitoring period to the next. For purposes of this section 20.3 and section 1 of Exhibit D, the cumulative total load, including load increases and load reductions, from the prior 12-month monitoring period(s) will be referred to as the “cumulative prior load”. At the end of each 12-month monitoring period, BPA shall update section 1.5 of Exhibit D with the amount of «Customer Name»’s cumulative prior load and include the amount of cumulative prior load in the calculation of «Customer Name»’s Firm Requirements Power eligible for service at BPA’s PF rates for the subsequent consecutive 12‑month monitoring period.

20.3.5.3 **Facility Load Included in Customer’s Firm Requirement Power**

For purposes of this section 20.3 and section 1 of Exhibit D, the amount of cumulative prior load of a Potential NLSL or Planned NLSL when BPA determines the facility to be an NLSL will be the fixed amount of «Customer Name»’s facility load that BPA will include in its calculation of «Customer Name»’s Firm Requirements Power eligible for service at BPA’s PF Rate(s). BPA may adjust the fixed amount of «Customer Name»’s facility load that BPA will include in its calculation of «Customer Name»’s Firm Requirements Power eligible for service at BPA’s PF Rate(s) if «Customer Name»’s facility load reduces by 10 aMW below the fixed amount.

Upon BPA’s determination that a monitored load is an NLSL, all measured amounts of such NLSL that exceed the facility’s load that is included in «Customer Name»’s Firm Requirements Power calculation shall be part of «Customer Name»’s NLSL, which will be served in accordance with this section 20.3 and section 1 of Exhibit D.

BPA shall update the table in section 1.5.2 of Exhibit D with the fixed amount of facility load to be included in the calculation of «Customer Name»’s Firm Requirements Power eligible for service at BPA’s PF Rate(s).

20.3.6 **Service Options for Planned NLSLs and NLSLs**

«Customer Name» waives its right to have BPA serve its NLSLs at the NR rate. «Customer Name» shall serve all Planned NLSLs and NLSLs with Dedicated Resource or Consumer-Owned Resource amounts added in Exhibit A that are not already being used to serve «Customer Name»’s Total Retail Load in the Region. «Customer Name» agrees to provide such Dedicated Resource or Consumer Owned Resource amounts on a continuous basis as identified in Exhibit A. Under no circumstances will BPA be obligated to acquire firm power for service to «Customer Name»’s Planned NLSLs and NLSLs.

*Reviewer’s Note: The Block and Slice/Block versions of sections 20.3.7 and 20.3.8 are the same as those sections in the Load Following template, but they have been renumbered for Block and Slice/Block customers.*

20.3.7 **Submittal of Initial Forecast**

If «Customer Name» is serving any Planned NLSLs or NLSLs with Dedicated Resource or Consumer-Owned Resource amounts, then by June 30 of each year, unless another date is agreed to by the Parties, «Customer Name» shall provide BPA with forecasted energy amounts for such resources for each Diurnal period and peak amounts for each month to serve any Planned NLSLs and NLSLs for the upcoming Fiscal Year. BPA shall use «Customer Name»’s initial forecast to determine the Dedicated Resource or Consumer-Owned Resource amounts required to serve the Planned NLSLs and NLSLs. However, if BPA determines «Customer Name»’s initial forecast to be unreasonable, then BPA may replace «Customer Name»’s initial forecast with a final forecast that BPA develops. If «Customer Name» is serving any Planned NLSLs or NLSLs with Dedicated Resource or Consumer-Owned Resource amounts, then BPA shall revise section 4 of Exhibit A to state such amounts by September 1 of each year.

20.3.8 **Consumer-Owned Resources Serving a Planned NLSL or an NLSL**

20.3.8.1 **Consumer-Owned Resources**

«Customer Name»’s consumer may serve a Planned NLSL or an NLSL with a Consumer-Owned Resource if the following criteria are met:

(1) the Consumer‑Owned Resource and its expected generation amounts are indicated in section 7.4 of Exhibit A as serving a specific Planned NLSL or NLSL;

(2) the Consumer-Owned Resource is physically located within «Customer Name»’s service territory;

(3) the Consumer-Owned Resource is within the same Balancing Area Authority as the Planned NLSL or NLSL; and

(4) the Consumer-Owned Resource is metered, regardless of nameplate size, and the meter data is communicated in accordance with section 15 and section 17 of the body of this Agreement.

[Placeholder]

20.3.8.2 **On-Site** **Renewable Resource/Cogeneration Exception**

For purposes of this section 20.3.8.2, on-site means within the physical footprint of the NLSL facility as determined by BPA in the facility determination process.

«Customer Name» may request for BPA to serve an NLSL at a PF equivalent rate if the following criteria are met:

(1) «Customer Name»’s end use consumer applies an on-site renewable resource or on-site cogeneration resource to reduce the load at an NLSL facility, that is otherwise not eligible to be served at a PF rate, to less than ten Average Megawatts in a consecutive 12-month period,

(2) the on-site renewable resource or on-site cogeneration resource applied to the NLSL is behind «Customer Name»’s meter to the facility load, and

(3) the on-site renewable resource or on-site cogeneration resource is continuously applied to serve the NLSL, consistent with BPA’s NLSL policy included in BPA’s Final Provider of Choice Contract ROD, September 2025, as amended or replaced.

If «Customer Name» meets the criteria above and BPA grants «Customer Name»’s request for the on-site renewable/cogeneration exception, then BPA shall: (1) list the Consumer-Owned Resource serving the NLSL in section 7.4 of Exhibit A and (2) revise section 1 of Exhibit D to add the on-site renewable resource or cogeneration facility and the requirements for such service.

20.4 **Priority of Pacific Northwest Customers*(12/11/24 Version)***

The provisions of sections 9(c) and 9(d) of the Northwest Power Act and the provisions of the Pacific Northwest Consumer Power Preference Act as amended by the Northwest Power Act, as well as BPA’s 5(b)/9(c) Policy, are incorporated into this Agreement by reference. «Customer Name», together with other customers in the Region, shall have priority to electric power consistent with such provisions.

20.5 **Prohibition on Resale*(12/11/24 Version)***

«Customer Name» shall not resell Firm Requirements Power except to serve «Customer Name»’s Total Retail Load or as otherwise permitted by federal law.

20.6 **Use of Regional Resources*(12/11/24 Version)***

20.6.1 Within 60 days prior to the start of each Fiscal Year, «Customer Name» shall provide notice to BPA of any firm power from «Customer Name»’s Generating Resources during its term, listed in Exhibit A that has been used to serve firm consumer load in the Region and that «Customer Name» plans to export for sale outside the Region in the next Fiscal Year. Firm power includes firm energy and firm peaking capability.

BPA may request and «Customer Name» shall provide within 30 days of such request, additional information on «Customer Name»’s sales and dispositions of non-federal resources if BPA has information that «Customer Name» may have made such an export and not notified BPA. BPA may request and «Customer Name» shall provide within 30 days of such request, information on the planned use of any or all of «Customer Name»’s Generating Resources.

During any Rate Period that «Customer Name» has no purchase obligation for Firm Requirements Power under section 3, «Customer Name» shall have no obligation to notify BPA of its exports under this section; provided, however, «Customer Name» shall provide notification of all applicable exports in Rate Periods when it has a purchase obligation.

20.6.2 «Customer Name» shall be responsible for monitoring any firm power from Generating Resources it sells in the Region to ensure such firm power is planned to be used to serve firm consumer load in the Region.

20.6.3 Subject to the 5(b)/9(c) Policy, if «Customer Name» fails to report to BPA in accordance with section 20.6.1 above, any of its planned exports for sale outside the Region of firm power from a Generating Resource that has been used to serve firm consumer load in the Region, and BPA makes a finding that an export which was not reported was made, then BPA shall decrement the amount of its Firm Requirements Power sold under this Agreement by the amount and for the duration of the export that was not reported and by any continuing export amount. Decrements under the preceding sentence shall be first to power that would otherwise be provided at the applicable firm power rate, as determined by BPA. When applicable, such decrements shall be identified in section 3.2 of Exhibit A.

20.6.4 For purposes of this section 20.6, an export for sale outside the Region means a contract for the sale or disposition of firm power from a Generating Resource during its term that has been used to serve firm consumer load in the Region, which contract will be performed in a manner that such output isno longer used or not planned to be used solely to serve firm consumer load in the Region. Delivery of firm power outside the Region under a seasonal exchange agreement that is made consistent with BPA’s 5(b)/9(c) Policy will not be considered an export. Firm power from a Generating Resource used to serve firm consumer load in the Region means the firm generating or load carrying capability of a Generating Resource as established under the resource planning criteria generally used within the Region.

20.6.5 For purposes of this section 20.6, if «Customer Name» has notified BPA that it will join and participate in an organized market using non-federal firm power produced by a Generating Resource dedicated to supply its Total Retail Load as identified in Exhibit A, then to the extent the organized market operates geographically both within and outside the Region, «Customer Name»’s participation in such market will not be considered an export outside the Region, provided «Customer Name»’s dedicated non‑federal power obligation remains unchanged from the amount identified in Exhibit A. «Customer Name»’s participation in an organized market shall not increase the firm energy requirements of «Customer Name» or other customers of the Administrator, as determined by the Administrator.

20.7 **BPA Appropriations Refinancing*(06/10/24 Version)***

The Parties agree that the provisions of section 3201(i) of the Bonneville Power Administration Refinancing section of the Omnibus Consolidated Rescissions and Appropriations Act of 1996 (BPA Refinancing Act), P.L. 104‑134, 110 Stat. 1321, 350, as stated in the United States Code on the Effective Date, are incorporated by reference and are a material term of this Agreement.

21. STANDARD PROVISIONS

21.1 **Amendments*(06/10/24 Version)***

Except where this Agreement explicitly allows for one Party to unilaterally amend a provision or exhibit, no amendment of this Agreement shall be of any force or effect unless set forth in writing and signed by authorized representatives of each Party.

21.2 **Entire Agreement and Order of Precedence*(06/10/24 Version)***

This Agreement, including documents expressly incorporated by reference, constitutes the entire agreement between the Parties with respect to the subject matter of this Agreement. It supersedes all previous communications, representations, or contracts, either written or oral, which purport to describe or embody the subject matter of this Agreement. The body of this Agreement shall prevail over the exhibits to this Agreement in the event of a conflict.

*Option 1: Include the following for customers who do NOT need RUS approval:*

21.3 **Assignment*(10/15/24 Version)***

This Agreement is binding on any successors and assigns of the Parties. Neither Party may otherwise transfer or assign this Agreement, in whole or in part, without the other Party’s written consent. Such consent shall not be unreasonably withheld. Without limiting the foregoing, BPA’s refusal to consent to assignment shall not be considered unreasonable if, in BPA’s sole discretion: (1) the sale of power by BPA to the assignee would violate any applicable statute, or (2) such sale might adversely affect the tax-exempt status of bonds issued as part of an issue that finances or refinances the Columbia Generating Station or that such sale might limit the ability to issue future tax-exempt bonds to finance or refinance the Columbia Generating Station. «Customer Name» may not transfer or assign this Agreement to any of its retail consumers.

*End Option 1*

*Option 2: Include the following for customers who must obtain RUS approval to execute this Agreement:*

21.3 **Assignment*(10/15/24 Version)***

This Agreement is binding on any successors and assigns of the Parties. Neither Party may otherwise transfer or assign this Agreement, in whole or in part, without: (1) the other Party’s written consent, which shall not be unreasonably withheld; and (2) the written consent of the United States Department of Rural Utilities Service. Without limiting the foregoing, BPA’s refusal to consent to assignment shall not be considered unreasonable if, in BPA’s sole discretion: (1) the sale of power by BPA to the assignee would violate any applicable statute, or (2) such sale might adversely affect the tax-exempt status of bonds issued as part of an issue that finances or refinances the Columbia Generating Station or that such sale might limit the ability to issue future tax-exempt bonds to finance or refinance the Columbia Generating Station. «Customer Name» may not transfer or assign this Agreement to any of its retail consumers.

*End Option 2*

21.4 **No Third‑Party Beneficiaries*(06/10/24 Version)***

This Agreement is made and entered into for the sole benefit of the Parties, and the Parties intend that no other person or entity shall be a direct or indirect beneficiary of this Agreement.

21.5 **Waivers*(06/10/24 Version)***

No waiver of any provision or breach of this Agreement shall be effective unless such waiver is in writing and signed by the waiving Party, and any such waiver shall not be deemed a waiver of any other provision of this Agreement or of any other breach of this Agreement.

21.6 **BPA Policies*(06/10/24 Version)***

Any reference in this Agreement to BPA policies, including any revisions, does not constitute agreement of «Customer Name» to such policy by execution of this Agreement, nor shall it be construed to be a waiver of the right of «Customer Name» to seek judicial review of any such policy.

21.7 **Rate Covenant and Payment Assurance*(06/10/24 Version)***

«Customer Name» agrees that it shall establish, maintain and collect rates or charges sufficient to assure recovery of its costs for power and energy and other services, facilities and commodities sold, furnished or supplied by it through any of its electric utility properties. BPA may require additional forms of payment assurance if: (1) BPA determines that such rates and charges may not be adequate to provide revenues sufficient to enable «Customer Name» to make the payments required under this Agreement, or (2) BPA identifies in a letter to «Customer Name» that BPA has other reasonable grounds to conclude that «Customer Name» may not be able to make the payments required under this Agreement. If «Customer Name» does not provide payment assurance satisfactory to BPA, then BPA may terminate this Agreement. Written notices sent under this section must comply with Exhibit I.

*Option: Include this section ONLY for cooperatives and tribal utilities.*

21.8 **Bond Assurances*(10/15/24 Version)***

BPA has advised «Customer Name» that: (1) the Columbia Generating Station has been financed and refinanced in large part by bonds that are intended to bear interest that is exempt from federal income tax under section 103 of the Internal Revenue Code of 1954, as amended, and Title XIII of the Tax Reform Act of 1986, and (2) the tax-exempt status of those bonds and other bonds issued together with those bonds might be jeopardized if «Customer Name» or any other nongovernmental person has a contract to purchase additional amounts of the output of the Columbia Generating Station.

Pursuant to section 5.3 of this Agreement, BPA shall calculate «Customer Name»’s Slice Percentage for each Fiscal Year of the Rate Period. If «Customer Name»’s Slice Percentage calculated for any Fiscal Year would exceed 0.5% of the Tier 1 System Resources for the applicable year, then BPA shall reduce «Customer Name»’s Slice Percentage for such year equal to 0.5%. For any Fiscal Year that BPA reduces «Customer Name»’s Slice Percentage to comply with this section 21.8, «Customer Name»’s Tier 1 Block Amount will increase by an equivalent amount pursuant to the calculation in section 4.3.

In the event that «Customer Name»’s purchase under this Agreement results in remedial action or IRS settlement related to the tax-exempt bonds associated with Columbia Generating Station, BPA shall bill «Customer Name» and «Customer Name» shall reimburse BPA for any costs BPA determines are related to such remedial action or IRS settlement.

If the IRS determines or BPA in its sole discretion determines that the Slice/Block Product does not constitute a direct purchase of the output of the Columbia Generating Station (or does not otherwise result in excess private business use with respect to outstanding tax-exempt bonds associated with Columbia Generating Station), then BPA shall have no right to reduce «Customer Name»’s Slice Percentage.

*End Section 21.8*

22. PARTICIPATION IN WRAP *(12/18/24 Version)*

BPA is participating in the Western Resource Adequacy Program (WRAP) with its first binding season occurring prior to October 1, 2028. If BPA ceases to participate in WRAP, then BPA shall provide advance notice to «Customer Name» of the date that BPA’s participation will end.

22.1 **Responsibilities and** **Provision of Information Necessary for WRAP Participation**

«Customer Name» shall notify BPA if «Customer Name» is participating in WRAP on October 1, 2028 or starts its participation in WRAP after such date.

If «Customer Name» participates in WRAP, then consistent with this section 22, section 17, and section X of Exhibit J, BPA shall provide «Customer Name» with any necessary and requested information, forecasts, and attestations associated with amounts of electric power provided under this Agreement to support «Customer Name»’s participation in WRAP.

22.1.1 «Customer Name» may request a signed Joint Contract Accreditation Form (JCAF) from BPA for its purchases under this agreement relevant to WRAP. BPA shall provide «Customer Name» with such signed JCAF(s) no later than X calendar days following such request. JCAFs provided under this section shall comply with the requirements of WRAP and shall be updated as appropriate to meet WRAP requirements.

22.1.2 BPA shall have no responsibility to support «Customer Name» in its participation in WRAP beyond the contract terms held in this contract.

If «Customer Name» ceases to participate in WRAP, then «Customer Name» shall provide advance notice to BPA of the date that «Customer Name»’s participation will end.

23. FUTURE AMENDMENT FOR DAY-AHEAD MARKET *(10/15/24 Version)*

If BPA decides, or has decided, to join a day-ahead market to serve «Customer Name»’s load, then BPA shall conduct a public process to discuss and determine: (1) any necessary amendments to the Provider of Choice power sales agreements, including any necessary to align with an updated Transmission Services tariff and settlements under an organized market, and (2) the anticipated timeline for executing such amendments. Following the conclusion of such public process, BPA shall issue the final amendment template and, based on the agreed-upon timeline, prepare and offer «Customer Name» a contract amendment using the amendment template, and the Parties will amend this Agreement. «Customer Name»’s agreement to such amendment consistent with this section 23 shall not be unreasonably withheld.

Following BPA joining a day ahead market to serve «Customer Name»’s load and the Parties amend this Agreement pursuant to this section, BPA shall also conduct a subsequent public process on the topic of settlements for the Slice Product in the day ahead market that BPA joins.

24. TERMINATION *(10/22/24 Version)*

BPA may terminate this Agreement if:

(1) «Customer Name» fails to make payment as required by section 16.4, or

(2) «Customer Name» fails to provide payment assurance satisfactory to BPA as required by section 21.7.

Such termination is without prejudice to any other remedies available to BPA under law.

*Reviewer’s Note: If necessary, customers will still have the option to sign a hard copy of the Agreement.*

25. SIGNATURES *(05/06/24 Version)*

This Agreement may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this Agreement as of the last date indicated below.

|  |  |  |
| --- | --- | --- |
| «FULL NAME OF CUSTOMER» |  | UNITED STATES OF AMERICADepartment of EnergyBonneville Power Administration |
| By |  |  | By |  |
|  |  |  |  |  |
| Name |  |  | Name |  |
|  | *(Print/Type)* |  |  | *(Print/Type)* |
| Title |  |  | Title |  |
|  |  |  |  |  |
| Date |  |  | Date |  |

Exhibit A

**NET REQUIREMENTS AND RESOURCES *(12/18/24 Version)***

**1.** **NET REQUIREMENTS**

BPA shall establish «Customer Name»’s Net Requirement based on its Total Retail Load minus: (1) «Customer Name»’s Dedicated Resources determined pursuant to section 3.3 of the body of this Agreement and listed in sections 2, 3, and 4 of this exhibit, and (2) Consumer-Owned Resources determined pursuant to section 3.6 of the body of this Agreement and listed in sections 7.1, 7.3, and 7.4 of this exhibit. The Parties shall not add or remove resource amounts to change «Customer Name»’s purchase obligations from BPA under section 3.1 of the body of this Agreement except in accordance with sections 3.5, 3.6 and 10 of the body of this Agreement.

BPA shall calculate a forecast of «Customer Name»’s Net Requirement for each year of the upcoming Rate Period as follows:

* 1. **Forecast of Total Retail Load**

BPA shall fill in the table in this section below with «Customer Name»’s Total Retail Load forecast as established pursuant to section 17.6 of the body of this Agreement.

*Drafter’s Note: The table below will be blank at contract signing.*

| **Annual Forecast of Monthly Total Retail Load** |
| --- |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2031** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2032** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2033** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2034** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2035** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2036** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2037** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2038** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2039** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2040** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2041** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2042** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2043** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2044** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Notes: Fill in the table above with megawatt‑hours rounded to whole megawatt‑hours, with megawatts rounded to one decimal place, and annual Average Megawatts rounded to three decimal places. |

1.2 **Forecast of Net Requirements**

At the time BPA fills in the table in section 1.1 above, BPA shall calculate, and fill in the table below with «Customer Name»’s Net Requirement forecast for the remaining Fiscal Year(s) of the Rate Period by month. «Customer Name»’s Net Requirement forecast is based on «Customer Name»’s Total Retail Load forecast, stated in section 1.1 above, minus: (1) «Customer Name»’s Dedicated Resource amounts, stated in section 5 below, and (2) Consumer-Owned Resources stated in sections 7.1, 7.3, and 7.4 of this exhibit.

On a planning basis «Customer Name» shall serve that portion of its Total Retail Load that is not served with Firm Requirements Power with «Customer Name»’s Dedicated Resources.

*Drafter’s Note: The table below will be blank at contract signing.*

| **Annual Forecast of Monthly Net Requirements** |
| --- |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2031** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2032** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2033** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2034** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2035** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2036** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2037** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2038** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2039** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2040** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2041** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2042** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2043** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2044** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours, with megawatts rounded to one decimal place, and annual Average Megawatts rounded to three decimal places. |

*Reviewer’s Note: Because customers can have numerous resources and the subsections of section 2 can span multiple pages, BPA is proposing unique subsection numbering of 2 (1), 2(2), etc. (as opposed to simply numbering resources as (1), (2),….) under section 2 so that it is easier to know which resource is being referred to.*

**2. LIST OF SPECIFIED RESOURCES**

*Drafter’s Note: List each Specified Resource using the format shown below in section 2(1) for each Specified Resource. Determine the Dedicated Resource amounts for Specified Resources per the updated 5(b)/9(c) Policy.*

*Option 1: If «Customer Name» does NOT have any Specified Resources include the following text:*

«Customer Name» does not have any Specified Resources at this time.

*End Option 1.*

*Option 2: If «Customer Name» has Specified Resources include the following text and complete sections (1)(A) - (C) for each resource. When listing multiple resources renumber each resource as 2(2), 2(3), etc.*

All of «Customer Name»’s Specified Resources are listed below.

2(1) **«Resource Name»**

(A) **Special Provisions**

*Drafter’s Note: Include any special provisions here that are applicable to this resource. If none, retain this section and state “None”.*

(B) **Resource Profile**

*Drafter’s Note: For Delivery Plan, enter the transmission system used to deliver the resource (or for behind-the-meter resources, the transmission system that serves the load that the resource serves). For Statutory Status, Resource Status, Applied to Tier 1 Allowance Amount, RSS, and Dispatchable, fill in the appropriate cells with “X”s.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fuel Type** | **Date Resource Dedicated to Load** | **Date of Resource Removal** | **Percent of Resource Used to Serve Load** | **Nameplate Capability (MW)** | **Delivery Plan** |
|  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Statutory Status** | **Resource Status** | **Applied to Tier 1 Allowance Amount** | **RSS** | **Dispatchable** |
| 5b1A | 5b1B | Existing | New | Yes | No | Yes | No | Yes | No |
|  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with “X”s. |

(C) **Specified Resource Amounts**

| **Specified Resource Amounts** |
| --- |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2031** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2032** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2033** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2034** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2035** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2036** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2037** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2038** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2039** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2040** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |   |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |   |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |   |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |   |
| **Fiscal Year 2041** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2042** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2043** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2044** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Peak (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatt‑hours rounded to whole megawatt‑hours, with megawatts rounded to one decimal place, and annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

**3. COMMITTED POWER PURCHASE AMOUNTS**

3.1 **Committed Power Purchase Amounts Used to Serve Total Retail Load**

*Option 1: If customer does NOT have any Committed Power Purchase Amounts include the following:*

«Customer Name» does not have any Committed Power Purchase Amounts at this time.

*End Option 1.*

*Option 2: If customer has Committed Power Purchase Amounts include the following and fill in the table below (adding additional years as needed):*

«Customer Name»’s Committed Power Purchase Amounts are listed in the table below.

| **Committed Power Purchase Amounts** |
| --- |
|   | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatt‑hours rounded to whole megawatt‑hours and with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

3.2 **Committed Power Purchase Amounts for 9(c) Export Decrements**

*Option 1: Include the following if customer does NOT have any Committed Power Purchase Amounts for 9 (c) Export Decrements:*

«Customer Name» does not have any Committed Power Purchase Amounts for 9(c) export decrements at this time.

*End Option 1.*

*Option 2: If customer does have any Committed Power Purchase Amounts for 9 (c) Export Decrements include the following text and fill in the table below (adding additional years as needed):*

«Customer Name»’s Committed Power Purchase Amounts for 9(c) export decrements pursuant to section 3.5.4 of the body of this Agreement are listed in the table below.

| **Committed Power Purchase Amounts for 9(c) Export Decrements** |
| --- |
|   | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Total (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **HLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatt-hours rounded to whole megawatt-hours and with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

*Reviewer’s Note: Because customers can have numerous resources serving Planned NLSLs or NLSLs and the subsections of section 4 can span multiple pages, BPA is proposing subsection numbering of 4(1), 4(2), etc. (as opposed to simply numbering resources as (1), (2),….) under section 4 so that it is easier to know which resource is being referred to.*

**4. DEDICATED RESOURCE AMOUNTS USED TO SERVE PLANNED NLSLs AND NLSLs**

*Option 1: If customer does NOT have an NLSL or does NOT have any Dedicated Resource amounts serving an NLSL include the following text:*

«Customer Name» does not have any Dedicated Resource amounts serving a Planned NLSL or an NLSL at this time, in accordance with sections 3.5.8 and 20.3 of the body of this Agreement.

*End Option 1.*

*Option 2: If customer wants to serve a Planned NLSL or an NLSL with Dedicated Resource amounts, include the following text and heading. If customer is serving the Planned NLSL/NLSL with Specified Resources, use the tables from section 2 above and complete sections 2(1)(A) - (C) for each resource using the format in Option 2 of section 2 (state “N/A” in the Tier 1 Allowance Amount cell). If customer is serving the NLSL with Committed Power Purchase Amounts, add and fill in a table using the table format in section 3.2 in equal megawatt amounts for each hour in a year as provided in 3.4.1(2). Also describe in section 1.4 or 1.5 of Exhibit D how the resource listed below will match the Planned NLSL/NLSL.*

All of «Customer Name»’s Dedicated Resource amounts serving a Planned NLSL and/or an NLSL, in accordance with sections 3.5.8 and 20.3 of the body of this Agreement, are listed below.

4(1) **«Name of NLSL»** **«Planned NLSL** *or* **NLSL»**

*End Option 2.*

**5. TOTAL DEDICATED RESOURCE AMOUNTS**

*Option 1: If customer does NOT have any Dedicated Resource amounts listed in sections 2, 3, or 4 above include the following text:*

«Customer Name» does not have any Dedicated Resource amounts at this time.

*End Option 1.*

*Option 2: If customer has any Dedicated Resource amounts listed in sections 2, 3, or 4 above insert a table below, using the table format in section 2(1)(C), with amounts equal to the sum of all Dedicated Resource amounts listed in section 2, 3, and 4, and changing the title of the table from Specified Resource Amounts to Dedicated Resource Amounts.*

The amounts in the table below equal the sum of all Dedicated Resource amounts used to serve «Customer Name»’s Total Retail Load listed above in sections 2, 3, and 4.

*End Option 2.*

**6. LIST OF RESOURCES NOT USED TO SERVE TOTAL RETAIL LOAD**

*Option 1: If customer does NOT own any Specified Resources not dedicated to its TRL include the following text:*

Pursuant to section 17 of the body of this Agreement, «Customer Name» does not own any Generating Resources that are: (1) not Specified Resources listed in section 2 of Exhibit A, and (2) greater than 1.000 megawatt of nameplate capability.

*End Option 1.*

*Option 2: If customer owns resources that are not Specified Resources used to serve to its TRL include the following text and complete sections (1)(A) and (B) below for each resource:*

Pursuant to section 17 of the body of this Agreement, all Generating Resources «Customer Name» owns that are: (1) not Specified Resources listed in section 2 of Exhibit A, and (2) greater than 1.000 megawatt of nameplate capability, are listed below.

(1) **«Resource Name»**

(A) **Resource Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **Fuel Type** | **Type of Resource** | **Percent of Resource Not Used to Serve Load** | **Nameplate Capability (MW)** |
| **Generating Resource** | **Contract Resource** |
|  |  |  |  |  |

(B) **Expected Resource Output**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

**7. LIST OF CONSUMER-OWNED RESOURCES**

7.1 **Consumer-Owned Resources Serving On-Site Consumer Load**

*Option 1: If customer does NOT have any Consumer-Owned Resources serving On-Site Consumer Load include the following text:*

Pursuant to section 3.6 of the body of this Agreement, «Customer Name» does not have any Consumer-Owned Resources serving On-Site Consumer Load at this time.

*End Option 1.*

*Option 2: If customer has Consumer-Owned Resources serving On-Site Consumer Load include the following text and complete sections (1)(A) and (B) below for each resource.*

Pursuant to section 3.6 of the body of this Agreement, all of «Customer Name»’s Consumer-Owned Resources serving On-Site Consumer Load are listed below.

(1) **«Resource Name»**

(A) **Resource Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource Owner** | **Fuel Type** | **Nameplate Capability (MW)** | **Delivery Plan** |
|  |  |  |  |
| *Option 1: If customer has provided satisfactory information demonstrating that the resource will be sized to not exceed the consumer’s load on a monthly basis, include the following footnote:*Note: Pursuant to section 3.6.3 of the body of this Agreement, on «Month, Day Year Name» information provided to BPA demonstrated that on that date the resource listed in this section would be sized to not generate in excess of the Consumer’s On-Site Load on a monthly basis.*End Option 1**Option 2: If customer has not provided satisfactory information demonstrating that the resource will be sized to not exceed the consumer’s load on a monthly basis, add the following footnote:*Note: Pursuant to section 3.6.3 of the body of this Agreement, «Customer Name» has not provided information demonstrating that the resource listed in this section would be sized to serve only the Consumer’s On-Site Load on a monthly basis.*End Option 2* |

(B) **Expected Resource Output**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

7.2 **Consumer-Owned Resources Serving Load Other than On-Site Consumer Load**

*Option 1: If customer does NOT have any Consumer-Owned Resources serving load other than On-Site Consumer Load include the following:*

Pursuant to section 3.6 of the body of this Agreement, «Customer Name» does not have any Consumer-Owned Resources serving load other than On-Site Consumer Load at this time.

*End Option 1.*

*Option 2: If customer has Consumer-Owned Resources serving load other than On-Site Consumer Load include the following text and complete sections (1)(A) and (B) below for each resource:*

Pursuant to section 3.6 of the body of this Agreement, all of «Customer Name»’s Consumer-Owned Resources serving load other than On-Site Consumer Load are listed below.

(1) **«Resource Name»**

(A) **Resource Profile**

|  |  |  |
| --- | --- | --- |
| **Resource Owner** | **Fuel Type** | **Nameplate Capability (MW)** |
|  |  |  |

(B) **Expected Resource Output**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

7.3 **Consumer-Owned Resources Serving Both On-Site Consumer Load and Load Other than On-Site Consumer Load**

*Option 1: If customer does NOT have any Consumer-Owned Resources serving both On-Site Consumer Load and load Other than On-Site Consumer Load include the following text:*

Pursuant to section 3.6 of the body of this Agreement, «Customer Name» does not have any Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load at this time.

*End Option 1.*

*Option 2: If customer has Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load include the following text and complete sections (1)(A) – (D) below for each resource:*

Pursuant to section 3.6 of the body of this Agreement, all of «Customer Name»’s Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load are listed in tables below.

(1) **«Resource Name»**

(A) **Resource Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource Owner** | **Fuel Type** | **Nameplate Capability (MW)** | **Delivery Plan** |
|  |  |  |  |

(B) **Expected Resource Output**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

(C) **Expected On-Site Consumer Load**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

*Sub-Option A: If customer has Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load AND they chose OPTION A in section 3.6.5 of the body of this Agreement, then complete the following table:*

(D) **Maximum Amounts Serving On-Site Consumer Load**

|  |
| --- |
| **Maximum Hourly Amounts Serving On-Site Consumer Load** |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** |
| **HLH (MW/hr)** |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MW/hr)** |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatts rounded to one decimal place.  |

*End Sub-Option A.*

*Sub-Option B: If customer has Consumer-Owned Resources serving both On-Site Consumer Load and load other than On-Site Consumer Load AND they chose OPTION B in section 3.6.5 of the body of this Agreement then complete the following table:*

(D) **Maximum BPA-Served On-Site Consumer Load**

|  |
| --- |
| **Maximum Hourly Amounts of Onsite Consumer Load Served by BPA** |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** |
| **HLH (MW/hr)** |  |  |  |  |  |  |  |  |  |  |  |  |
| **LLH (MW/hr)** |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatts rounded to one decimal place.  |

*End Sub-Option B.*

*End Option 2.*

7.4 **Consumer-Owned Resources Serving Planned NLSL or NLSL**

*Option 1: If customer does NOT have any Consumer-Owned Resources serving a planned NLSL or an NLSL include the following text:*

Pursuant to section 20.3.8 of the body of this Agreement, «Customer Name» does not have any Consumer-Owned Resources serving a Planned NLSL or an NLSL at this time.*End Option 1.*

*Option 2: If customer has Consumer-Owned Resources serving a planned NLSL or an NLSL include the following text and complete sections (1)(A) and (B).*

Pursuant to section 20.3.8 of the body of this Agreement, all of «Customer Name»’s Consumer-Owned Resources serving a Planned NLSL and/or an NLSL are listed below.*End Option 2.*

(1) **«Resource Name»**

(A) **Resource Profile**

|  |  |  |
| --- | --- | --- |
| **Resource Owner** | **Fuel Type** | **Nameplate Capability (MW)** |
|  |  |  |

(B) **Expected Resource Output**

|  |
| --- |
| **Expected Output – Energy (aMW)** |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts rounded to three decimal places. |

*End Option 2.*

**8. REVISIONS**

BPA shall revise this exhibit to reflect: (1) «Customer Name»’s elections regarding the application and use of all resources owned by «Customer Name» and «Customer Name»’s retail consumers and (2) BPA’s determinations relevant to this exhibit and made in accordance with this Agreement.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

Exhibit B *(12/11/24 Version)*

**CONTRACT** **HIGH WATER MARKS**

**1. CONTRACT HIGH WATER MARK (CHWM)**

1.1 **CHWM Amount**

By September 30, 2026, BPA shall fill in the table below with «Customer Name»’s CHWM. Once established, BPA may only adjust «Customer Name»’s CHWM as permitted pursuant to section 1.2 of this exhibit.

*Drafter’s Note: Fill in the table with customer’s CHWM. For updates following the initial value, enter the applicable effective date.*

|  |  |
| --- | --- |
| **CHWM (annual aMW) )**« 1/»**:** | «x.xxx» |
| Note: BPA shall round the number in the table above to three decimal places. «1/» CHWM amount effective «October 1, 2028». |

1.2 **CHWM Adjustments**

BPA shall determine any adjustments to «Customer Name»’s CHWM pursuant to this section 1.2. BPA shall notify «Customer Name» of any adjustments and the date such adjustment will be effective.

1.2.1 **Corrections for NLSLs**

If after BPA establishes «Customer Name»’s CHWM pursuant to section 7 of the body of this Agreement, BPA determines that a load included in «Customer Name»’s Total Retail Load in the CHWM calculation was an NLSL or became an NLSL in FY 2023, then BPA shall adjust «Customer Name»’s CHWM by removing the FY 2023 load associated with the NLSL from «Customer Name»’s weather normalized Total Retail Load. BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM and its effective date. BPA shall provide «Customer Name» written notice of the CHWM adjustment and its effective date, and will provide «Customer Name» with a revised Exhibit B. In the event of an adjustment, «Customer Name» shall pay any charges calculated by BPA to account for the ineligible PF power rate purchases dating back to October 1, 2028.

1.2.2 **Annexed Load**

If «Customer Name» annexes load from a utility that has a CHWM Contract, then BPA shall increase «Customer Name»’s CHWM in an amount determined as follows:

(1) If «Customer Name» and the other utility involved in the annexation agree on the amount of the CHWM transfer to «Customer Name», then BPA shall adopt that amount if BPA determines such amount is reasonable.

(2) If «Customer Name» and the other utility cannot agree on the amount of the CHWM transfer to «Customer Name», or if BPA determines the amount agreed to in section 1.2.2(1) of this exhibit is unreasonable, then BPA shall calculate the amount of «Customer Name»’s CHWM transfer using the following formula; provided however that BPA may adjust the calculated amount to reflect (A) the division of Dedicated Resources between the utilities and (B) other pertinent information provided by «Customer Name» and the other utility:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| [ | Annexed Load minus annexed NLSLs, if any | ] | × | [ | Other utility’s pre-annexation CHWM  | ] |
| Other utility’s pre-annexation Total Retail Load minus total NLSLs, if any |

In no event shall the total CHWM amount of «Customer Name» and the other utility after the transfer exceed the total CHWM amount of «Customer Name» and the other utility prior to the transfer.

*[Drafter’s Note: Include the following sentence for any cooperative. If not a cooperative, delete the following sentence:*Any change to «Customer Name»’s CHWM related to the acquisition of an Annexed Load is subject to section 21.8 of the body of this Agreement.*]*

BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM which will be effective on the date that «Customer Name» begins service to the Annexed Load.

1.2.3 **Ceded Load**

If another utility with a CHWM Contract annexes load of «Customer Name», then BPA shall reduce «Customer Name»’s CHWM in an amount determined as follows:

(1) If «Customer Name» and the other utility involved in the annexation agree on the amount of the CHWM transfer to the other utility, then BPA shall adopt that amount if BPA determines such amount is reasonable.

(2) If «Customer Name» and the other utility cannot agree on the amount of the CHWM transfer to the other utility, or if BPA determines the amount agreed to in section 1.2.3(1) of this exhibit is unreasonable, then BPA will calculate the amount of «Customer Name» CHWM transfer using the following formula; provided however, BPA may adjust the calculated amount to reflect (A) the division of Dedicated Resources between the utilities and (B) other pertinent information advanced by «Customer Name» and the other utility:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| [ | Annexed Load minus annexed NLSLs, if any | ] | × | [ | «Customer Name»’s pre-annexation CHWM | ] |
| «Customer Name»’s pre-annexation Total Retail Load minus total NLSLs, if any |

In no event shall the total CHWM amount of «Customer Name» and the other utility after the transfer exceed the total CHWM amount of «Customer Name» and the other utility prior to the transfer.

BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM which will be effective on the date that the annexing utility begins service to the Annexed Load.

1.2.4 **Court Order on Annexation**

BPA shall adjust «Customer Name»’s CHWM due to annexation if BPA’s Administrator determines that a court order requires BPA to do so. BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM and its effective date. BPA shall provide «Customer Name» written notice of the CHWM adjustment and revised Exhibit B as soon as reasonably practical.

1.2.5 **Small Utility Adjustment**

BPA shall determine in its sole discretion whether «Customer Name» qualifies for the Small Utility Adjustment. If «Customer Name» is eligible for the Small Utility Adjustment, then BPA shall also determine «Customer Name»’s Maximum Potential CHWM for purposes of this section 1.2.5. For purposes of this section 1.2.5, Maximum Potential CHWM shall have the meaning as the lesser of: (1) double «Customer Name»’s CHWM as calculated in the FY 2026 CHWM Calculation Process, or (2) 5 aMW. By September 30, 2026, BPA shall fill in the table below indicating such eligibility and «Customer Name»’s Maximum Potential CHWM.

*Drafter’s Note: Fill in “Yes” or “No” depending on customer’s eligibility for the Small Utility Adjustment. If customer is eligible, also fill in the Maximum Potential CHWM amount, calculated as provided above, and rounded to three decimal places. If customer is not eligible, fill in N/A for Maximum Potential CHWM.*

|  |  |
| --- | --- |
| **Eligible for Small Utility Adjustment** | **Maximum Potential CHWM** |
| Yes / No | «x.xxx» |

If «Customer Name» is eligible for the Small Utility Adjustment as indicated above, then during each Above-CHWM Load Process BPA shall determine whether an adjustment is needed and calculate such adjustment as provided below. Any such adjustment would be added to «Customer Name»’s CHWM.

(1) BPA will determine whether «Customer Name»’s Preliminary Net Requirement exceeds its CHWM.

(2) If «Customer Name»’s Preliminary Net Requirement is less than its CHWM, then BPA shall make no adjustment to «Customer Name»’s CHWM.

(3) If «Customer Name»’s Preliminary Net Requirement exceeds its CHWM, then BPA shall calculate a CHWM adjustment in an amount equal to the difference between «Customer Name»’s Preliminary Net Requirement and its CHWM not to exceed «Customer Name»’s Maximum Potential CHWM stated above.

(4) If a proposed CHWM adjustment under this section 1.2.5 would exceed «Customer Name»’s Maximum Potential CHWM, then BPA shall reduce such adjustment to an amount resulting in a CHWM that equals «Customer Name»’s Maximum Potential CHWM.

(5) If «Customer Name»’s CHWM has been adjusted pursuant to section 1.2.5(4) above, then BPA shall make no additional change to «Customer Name»’s CHWM except as otherwise provided for in this Exhibit B.

For any Rate Period that BPA adjusts «Customer Name»’s CHWM pursuant to this section 1.2.5, BPA shall revise the table in section 1.1. of this Exhibit B with the adjusted CHWM to be effective at the start of the next Rate Period. BPA shall provide «Customer Name» written notice of the CHWM adjustment and revised Exhibit B. For purposes of the Tier 1 Marginal Energy True-Up rate, «Customer Name»’s CHWM shall be the Maximum Potential CHWM as stated above.

*Drafter’s Note: Include in contracts of customers that have requested a CF/CT adjustment to their CHWM.*

1.2.6 **CF/CT Adjustment**

«Customer Name» has requested an adjustment to its CHWM for a CF/CT load consistent with the requirements included in section 2.4.2.5 of the Provider of Choice Policy, March 2024, as amended or revised. BPA shall review such request and determine whether such load may qualify «Customer Name» for the CF/CT adjustment consistent with the requirements in section 2.4.2.5 of the Provider of Choice Policy, March 2024, as amended or revised. BPA shall make such determination as follows:

(1) During the FY 2026 CHWM Calculation Process, BPA shall determine if the same «Customer Name» CF/CT load qualifies «Customer Name» for an economic adjustment as provided in section 2.4.1.2 of the Provider of Choice Policy, March 2024, as amended or revised. If so, then such economic adjustment shall apply and «Customer Name» is not eligible for the CF/CT adjustment under this section 1.2.6. If the same CF/CT load does not qualify «Customer Name» for such economic adjustment, then «Customer Name» will remain eligible for the CF/CT adjustment under this section 1.2.6, subject to sections 1.2.6(2) and 1.2.6(3) below.

(2) During the Above-CHWM Load Process for the BP-29 Rate Period, BPA shall determine the amount of CHWM adjustment, if any, «Customer Name» qualifies for based on submitted meter data for its CF/CT load through FY 2026.

(3) During the Above-CHWM Load Process for the BP-31 Rate Period, BPA shall determine the amount of CHWM adjustment, if any, «Customer Name» qualifies for based on submitted meter data for its CF/CT load through FY 2028.

If BPA determines «Customer Name»’s CF/CT qualifies «Customer Name» for such CHWM adjustment under either section 1.2.6(2) or section 1.2.6(3) above, then BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM to be effective at the start of the next Rate Period. BPA shall provide «Customer Name» written notice of the adjusted CHWM and revised Exhibit B.

In order to maintain such CF/CT adjustment, «Customer Name» shall submit meter data from the prior Rate Period for its CF/CT by December 31, 2028, and by December 31 of each Forecast Year thereafter. If, for a consecutive 12-month operating period, the associated CF/CT load’s actual power consumption drops below 50% of the load amount used to establish such CF/CT adjustment, then BPA shall reduce «Customer Name»’s CHWM by all or a portion of the CF/CT adjustment for the remaining term of the Agreement. BPA shall consider «Customer Name»’s submitted meter data and any other pertinent information to determine in its sole discretion whether such CF/CT ceases to consume electric power or significantly reduces the amount of electric power it consumes for production demand, and the commensurate reduction to «Customer Name»’s CHWM. If BPA determines «Customer Name»’s CHWM must be reduced consistent with this section 1.2.6, then BPA shall revise the table in section 1.1 of this Exhibit B with the adjusted CHWM and its effective date. BPA shall provide «Customer Name» written notice of the CHWM adjustment and revised Exhibit B no later than 30 days prior to the adjusted CHWM’s effective date.

For purposes of the Tier 1 Marginal Energy True-Up rate applied in FY 2029 and FY 2030, «Customer Name»’s CHWM shall be as established in the Above-CHWM Load Process for the BP-31 Rate Period.

*Drafter’s Note: Include in DOE Richland’s contract:*

1.2.6 **US DOE Richland**

BPA shall adjust «Customer Name»’s CHWM under the following conditions:

1.2.6.1 During each Above-CHWM Load Process, and subject to section 1.2.6.2 through section 1.2.6.5 of this exhibit, BPA shall increase «Customer Name»’s CHWM if «Customer Name»’s electric power consumption increases due to the loads related to defense materials activities that are on-site at the DOE facilities that «Customer Name» serves in the state of Washington.

1.2.6.2 «Customer Name» shall notify BPA at least three years prior to any forecasted increase in loads related to defense materials activities. «Customer Name» may satisfy this notice requirement by providing BPA with annual 10‑year load forecasts that indicate, with at least three years’ lead time, when these loads are expected to increase. If «Customer Name» notifies BPA pursuant to these terms, then by the next March 31 of a Rate Case Year BPA shall revise this Exhibit Bto increase «Customer Name»’s CHWM effective for the Rate Period where these loads are forecasted to increase.

1.2.6.3 The total cumulative increase in «Customer Name»’s CHWM over the term of this Agreement shall be limited to the difference between 36.539 aMW and «Customer Name»’s CHWM prior to any subsequent CHWM adjustment.

1.2.6.4 «Customer Name» shall meter loads not related to defense materials activities separately from «Customer Name»’s loads related to defense materials activities. «Customer Name» shall install meters and metering equipment necessary to meter loads not related to defense materials activities at «Customer Name»’s expense.

1.2.6.5 BPA shall only include load growth related to on-going defense materials activities in «Customer Name»’s CHWM adjustments under this section 1.2.6.

1.2.6.6 For purposes of the Tier 1 Marginal Energy True-Up rate, «Customer Name»’s CHWM shall be 36.539 aMW.

*Drafter’s Note: End 1.2.6 for DOE Richland.*

*Drafter’s Note: Include in contracts of qualifying tribal utilities (e.g. Yakama, Kalispel Tribal Utility, and Umpqua Indian Utility Cooperative) and utilities operated pursuant to a P.L. 93-638 contract (e.g. Mission Valley Power):*

1.2.6 **Tribal Utilities**

After the application of any adjustment under section 1.2.5 above, BPA shall adjust «Customer Name»’s CHWM as follows:

1.2.6.1 During each Above-CHWM Load Process, and subject to section 1.2.6.4 below, BPA shall increase «Customer Name»’s CHWM by the amount of «Customer Name»’s Preliminary Net Requirement growth expected during the upcoming Rate Period.

1.2.6.2 If «Customer Name» acquires an Annexed Load from a utility that does not have a CHWM, then BPA shall increase «Customer Name»’s CHWM by the amount of Annexed Load subject to section 1.2.6.4 of this exhibit.

1.2.6.3 If «Customer Name» acquires an Annexed Load from a utility that has a CHWM, and if such Annexed Load exceeds the CHWM amount established by section 1.2.2 of this exhibit, then BPA shall increase «Customer Name»’s CHWM by the difference between the Annexed Load amount and the transferred CHWM amount, minus any annexed NLSLs, subject to section 1.2.6.4 of this exhibit.

1.2.6.4 CHWM adjustments made pursuant to this section 1.2.6 are subject to the following limitations:

1. a cumulative 40 aMW of additional CHWM for qualifying tribal utilities and utilities operating pursuant to a P.L. 93-638 contract over the term of the Agreement,
2. a Rate Period limit of 50 aMW of additional CHWM for all new public utility CHWM Contract holders, or

(3) a cumulative 200 aMW of additional CHWM for all new public utility CHWM Contract holders.

If a proposed CHWM adjustment under this section 1.2.6 would exceed the limits in either (1) or (2) above, then BPA shall reduce such adjustment to an amount that does not exceed the limit. If the limit has been fully exhausted, then the proposed CHWM adjustment under this section 1.2.6 will be reduced to zero and BPA shall make no change to «Customer Name»’s CHWM.

For any Rate Period that the total amount of CHWM adjustments for all tribal utilities and utilities operating pursuant to a P.L. 93-638 contract would exceed either of the limits above, BPA shall proportionally reduce the CHWM adjustments of the tribal and P.L. 93-638 utilities so that each receives a pro rata share of the remaining amount under the applicable limit for that Rate Period. BPA shall determine each utility’s pro rata share as specified in the CHWM Implementation Policy.

1.2.6.5 For any Rate Period that BPA changes «Customer Name»’s CHWM pursuant to this section 1.2.6, BPA shall revise the table in section 1.1. of this Exhibit B with the adjusted CHWM to be effective at the start of the next Rate Period. BPA shall provide «Customer Name» written notice of the CHWM change and revised Exhibit B.

*Drafter’s Note: End 1.2.6 for tribal utilities.*

**2. REVISIONS**

BPA may unilaterally revise this exhibit to the extent allowed in section 1 of this exhibit. All other changes require mutual agreement.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

Exhibit C

**PURCHASE OBLIGATIONS**

**1. TIER 1 BLOCK AMOUNTS*(10/09/24 Version)***

1.1 **Annual Tier 1 Block Amounts**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall update the table below with «Customer Name»’s annual Tier 1 Block Amount for the upcoming Fiscal Year as calculated pursuant to section 4.3.1 of the body of this Agreement.

|  |
| --- |
| **Annual Tier 1 Block Amounts** |
| **Fiscal Year** | **Annual Tier 1 Block Amount(aMW)** | **Annual Tier 1 Block Amount(MWh)** |
| 2029 |  |  |
| 2030 |  |  |
| 2031 |  |  |
| 2032 |  |  |
| 2033 |  |  |
| 2034 |  |  |
| 2035 |  |  |
| 2036 |  |  |
| 2037 |  |  |
| 2038 |  |  |
| 2039 |  |  |
| 2040 |  |  |
| 2041 |  |  |
| 2042 |  |  |
| 2043 |  |  |
| 2044 |  |  |

*Option 1: Include if customer chooses a Flat Annual Shape*

1.2 **Flat Annual Shape**

Under the Flat Annual Shape, «Customer Name»’s hourly Tier 1 Block Amounts shall be equal in all hours of the year. For each Fiscal Year, the megawatt amount of such power for each hour shall equal the annual Tier 1 Block Amount (aMW) stated in section 1.1 of this exhibit, rounded to a whole number. Due to rounding, total megawatt-hour deliveries during any Fiscal Year may be slightly different than the megawatt-hours stated in section 1.1 of this exhibit. «Customer Name»’s planned monthly Tier 1 Block Amounts shall equal the annual Tier 1 Block Amount (aMW) stated in section 1.1 of this exhibit, rounded to a whole number, and multiplied by the number of hours in the applicable month.

*Drafter’s Note****:*** *Add the following paragraph if customer purchases DFS:*

«Customer Name» shall schedule any Specified Renewable Resources identified in section 2.3.6.1 of Exhibit D to serve its Total Retail Load, and BPA shall provide DFS to such Specified Renewable Resources pursuant to section 2.3 of Exhibit D. «Customer Name» shall reduce its Tier 1 Block Amount schedule each hour, pursuant to section 4.5 of the body of this Agreement and section 2.3.1.5 of Exhibit D, in any hour in the month when the total scheduled generation from such Specified Renewable Resources is greater than the total Planned Resource Amount in section 2.3.6.2 of Exhibit D for such Specified Renewable Resources. «Customer Name» shall pay BPA for the Tier 1 Block Amount in the table below without any adjustment due to displacement of the Block Product for DFS.

End Option 1

*Option 2: Include if customer chooses a Flat Within-Month Shape.*

1.2 **Flat Within-Month Shape**

«Customer Name»’s monthly Tier 1 Block Amounts, expressed in MWh, shall be determined based on the Monthly Shaping Factors. «Customer Name»’s Monthly Shaping Factors that are used to determine monthly Tier 1 Block Amounts shall be determined as follows:

1.2.1 **Monthly Shaping Factors to Determine Amounts for Each Month**

For purposes of this section 1.2, “Monthly Shaping Factors” means the twelve monthly factors on a Rate Period basis, as stated in section 1.2.1.3 of this exhibit, which BPA shall use to determine the amount of Firm Requirements Power priced at Tier 1 Rates for each month of a Fiscal Year. BPA shall determine «Customer Name»’s Monthly Shaping Factors in accordance with section 1.2.1.2 of this exhibit using «Customer Name»’s “monthly load values” and “annual load value” as determined in accordance with section 1.2.1.1 of this exhibit.

1.2.1.1 **Calculation of Monthly and Annual Load Values**

BPA shall calculate «Customer Name»’s “monthly load value” for each month of the year by taking the average of «Customer Name»’s Total Retail Load, expressed in MWh, for the four years prior to the current Forecast Year for the applicable month.

Monthly Load Value =

where:

*TRL monthYear 1* means the Total Retail Load, in MWh, of a given month in the first year of the four-year period prior to the current Forecast Year

*TRL monthYear 2* means the Total Retail Load, in MWh, of a given month in the second year of the four-year period prior to the current Forecast Year

*TRL monthYear 3* means the Total Retail Load, in MWh, of a given month in the third year of the four-year period prior to the current Forecast Year

*TRL monthYear 4* means the Total Retail Load, in MWh, of a given month in the fourth year of the four-year period prior to the current Forecast Year

BPA shall calculate «Customer Name»’s “annual load value” by taking the average of «Customer Name»’s Total Retail Load, expressed in MWh for the four Fiscal Years prior to the current Forecast Year.

Annual Load Value =

Where:

*TRLYear 1* means the Total Retail Load, in MWh, the first year of the four year period prior to the current Forecast Year

*TRLYear 2* means the Total Retail Load, in MWh, the second year of the four year period prior to the current Forecast Year

*TRLYear 3* means the Total Retail Load, in MWh, the third year of the four year period prior to the current Forecast Year

*TRLYear 4* means the Total Retail Load, in MWh, the fourth year of the four year period prior to the current Forecast Year

* + - 1. **Calculation of Monthly Shaping Factors**

BPA shall calculate «Customer Name»’s Monthly Shaping Factors as follows: (1) the “monthly shape numerator” for each month, divided by (2) the “monthly shape denominator”.

Where:

“monthly shape numerator” equals the greater of (1) zero or (2) “monthly load value” for the corresponding month minus the average of «Customer Name»’s Dedicated Resource amounts for that month and for all months within both years of the applicable Rate Period as listed in section 2 of Exhibit A, expressed in MWh; and

“monthly shape denominator” equals (1) the “annual load value,” minus (2) the average of «Customer Name»’s Dedicated Resource amounts for all months within both years of the given Rate Period as listed in section 2 of Exhibit A, expressed in MWh.

1.2.1.3 **Monthly Shaping Factors**

By March 31, 2027 and by March 31 of each Rate Case Year thereafter, BPA shall update the table below with «Customer Name»’s Monthly Shaping Factors calculated in accordance with this section 1.2.1.

*Drafter’s Note: Leave table blank at contract signing:*

|  | **Monthly Shaping Factors** |
| --- | --- |
| **FY** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **Total** |
| 2029-2030 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2031-2032 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2033-2034 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2035-2036 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2037-2038 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2039-2040 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2041-2042 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| 2043-2044 |  |  |  |  |  |  |  |  |  |  |  |  | 1.000 |
| Note: Round the factors in the table above to three decimal places. |

1.3 **Monthly Tier 1 Block Amounts**

*Sub-Option 1: include the following language for customers that do NOT purchase DFS, as defined in section 2 of Exhibit D.*

The monthly Tier 1 Block Amounts for each month of each Fiscal Year, beginning with FY 2029 shall be equal to: (1) the annual Tier 1 Block Amount as specified in section 1.1 of this exhibit multiplied by (2) the Monthly Shaping Factor for the corresponding month as specified in section 1.2 of this exhibit, rounded to a whole number. BPA shall enter such amounts into the table below. Due to rounding, total megawatt-hour deliveries during any Fiscal Year may be slightly different than the megawatt-hours stated in section 1.1 of this exhibit. «Customer Name» shall schedule the monthly Tier 1 Block Amounts as flat as possible on all hours of each month.

*End Sub-Option 1*

*Sub-Option 2: Include the following language for customers that purchase DFS as defined in section 2 of Exhibit D.*

The monthly Tier 1 Block Amounts for each month of each Fiscal Year, beginning with FY 2029, shall be equal to: (1) the annual Tier 1 Block Amount as specified in section 1.1 of this exhibit multiplied by (2) the Monthly Shaping Factor for the corresponding month as specified in section 1.2 of this exhibit, rounded to a whole number. BPA shall enter such amounts into the table below. Due to rounding, total megawatt-hour deliveries during any Fiscal Year may be slightly different than the megawatt-hours stated in section 1.1 of this exhibit. «Customer Name» shall schedule the monthly Tier 1 Block Amounts as flat as possible on all hours of each month unless displacement of the Block Product for DFS occurs.

«Customer Name» shall schedule any Specified Renewable Resources identified in section 2.3.6.1 of Exhibit D to serve Total Retail Load and BPA shall provide DFS to such Specified Renewable Resources pursuant to section 2.3 of Exhibit D. «Customer Name» shall reduce its Tier 1 Block Amount schedule each hour pursuant to section 4.5 of the body of this Agreement and section 2.3.1.5 of   in any hour in the month when the total scheduled generation from such Specified Renewable Resources is greater than the total Planned Resource Amount in section 2.3.6.2 of Exhibit D for such Specified Renewable Resources. «Customer Name» shall pay BPA for the Tier 1 Block Amount in the table below without any adjustment due to displacement of the Block Product for DFS.

*End Sub-Option 2*

| **Monthly Tier 1 Block Amounts (MWh)** |
| --- |
| **FY** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** |
| 2029 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2030 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2031 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2032 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2033 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2034 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2035 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2036 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2037 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2038 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2039 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2040 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2041 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2042 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2043 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2044 |  |  |  |  |  |  |  |  |  |  |  |  |

*End Option 2*

**2. FIRM REQUIREMENTS POWER AT TIER 2 RATES*(12/11/24 Version)***

2.1 **One-Time Above-CHWM Load Service Elections**

Pursuant to section 9.2 of the body of the Agreement, «Customer Name» shall elect one of the following four options below to serve its Above‑CHWM Load which shall apply for the term of the Agreement except when «Customer Name» elects to change its Tier 2 Long-Term Rate purchase election amount pursuant to the terms and conditions of sections 2.3.2 and 2.3.3 of this exhibit.

BPA shall revise this exhibit by March 31, 2027, to indicate «Customer Name»’s initial election and purchase obligation by adding an “X” to the box next to the applicable option below.

*Drafter’s Note: If customer changes its election over the term of the Agreement in accordance with section 2.3 add an “Additional Election” check box below “Initial Election” in section 2.1 and mark customers new election with “X”.*

Initial Election      (1) **Option A. All Tier 2 Long-Term Rate option**

«Customer Name» shall purchase and BPA shall serve all of «Customer Name»’s Above-CHWM Load with Firm Requirements Power priced at the Tier 2 Long-Term Rate.

 Initial Election      (2) **Option B**. **Fixed Tier 2 Long-Term Rate option then flexible option**

«Customer Name» shall purchase and BPA shall provide up to a fixed Average Megawatt amount of «Customer Name»’s Above-CHWM Load with Firm Requirements Power sold at the Tier 2 Long-Term Rate. Any remaining Above-CHWM Load will be served with: (1) Firm Requirements Power at the Tier 2 Short‑Term Rate, (2) Firm Requirements Power at a Tier 2 Vintage Rate, if applicable, (3) Dedicated Resources, or (4) a combination of amounts of (1), (2) and (3).

At the time of election as stated in section 9.3 of the body of this Agreement, «Customer Name» shall notify BPA of the fixed Average Megawatt amount of its Above-CHWM Load BPA will serve up to with Firm Requirements Power sold at a Tier 2 Long-Term Rate. BPA shall update the following table to state such amount.

*Drafter’s Note: Leave table blank at contract signing.*

|  **Fixed aMW Amounts - Tier 2 Long-Term Election**  |
| --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: The amount in the table should be rounded to three decimal places. |

Initial Election      (3) **Option C**. **Fixed flexible option then Tier 2 Long-Term Rate option**

«Customer Name» shall elect up to a fixed Average Megawatt amount of Above-CHWM Load that will be served with a combination of power sold at a Tier 2 Short‑Term Rate, Tier 2 Vintage Rate, or with Dedicated Resources.

At the time of election, «Customer Name» shall notify BPA of the fixed Average Megawatt amount of its Above-CHWM Load BPA will serve up to under the flexible option for the duration of the contract. BPA shall update the following table to state such amounts.

«Customer Name» shall purchase and BPA shall serve any remaining Above‑CHWM Load with Firm Requirements Power sold at the Tier 2 Long-Term Rate.

*Drafter’s Note: Leave table blank at contract signing*

| **Fixed aMW Amounts - Flexible Election**  |
| --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: the amount in the table should be rounded to three decimal places. |

Initial Election      (4) **Option D. All flexible option**

«Customer Name»’s Above‑CHWM Load shall be served with (1) Firm Requirements Power at the Tier 2 Short‑Term Rate, (2) Firm Requirement Power at a Tier 2 Vintage Rate, if applicable, (3) Dedicated Resources, or (4) a combination of amounts of (1), (2) and (3).

If «Customer Name» fails to notify BPA of its Above-CHWM Load service election pursuant to section 9.2 of the body of this Agreement, then «Customer Name» shall be deemed to have elected option D under section 2.1 of this exhibit and «Customer Name» shall serve all of its Above‑CHWM Load amounts with Dedicated Resources.

«Customer Name»’s total Tier 2 Rate purchase obligation amount(s) that BPA shall provide and «Customer Name» shall purchase consistent with sections 3.1 and 3.2 of the body of this Agreement shall be stated in the table below in section 2.9.

2.2 **This Section** **Intentionally Left Blank*(12/19/24 Version)***

2.3 **Tier 2 Long-Term Rate**

2.3.1 **Election Opportunity and**  **Tier 2 Long-Term Rate Purchase Obligation Amount**

«Customer Name» may elect to purchase Firm Requirements Power at the Tier 2 Long-Term Rate to serve its Above-CHWM Load by selecting options A, B or C under section 2.1 of this exhibit. If «Customer Name» elects option A, B or C, then BPA shall update the table below by March 31 of each Rate Case Year to state the amount of Firm Requirements Power «Customer Name» is obligated to purchase at the Tier 2 Long‑Term Rate for the upcoming Rate Period as follows.

If «Customer Name» elects option A under section 2.1, then the amount of Firm Requirements Power «Customer Name» is obligated to purchase at the Tier 2 Long-Term Rate shall equal «Customer Name»’s Above-CHWM Load amount, calculated for each Fiscal Year of the applicable Rate Period, as stated in the table in this section 2.3.1.

If «Customer Name» elects option B under section 2.1, then the amount of Firm Requirements Power «Customer Name» is obligated to purchase at the Tier 2 Long-Term Rate shall be the lesser of «Customer Name»’s Above-CHWM Load amount, calculated for each Fiscal Year of the applicable Rate Period, or the fixed Average Megawatt amount elected under the Tier 2 Long-Term option stated in the table in section 2.1(2) above.

If «Customer Name» elects option C under section 2.1, then the amount of Firm Requirements Power «Customer Name» is obligated to purchase at the Tier 2 Long-Term Rate shall equal the amount of «Customer Name»’s Above-CHWM Load, calculated for each Fiscal Year of the applicable Rate Period, that exceeds the fixed Average Megawatt amount BPA will serve under the flexible option as stated in the table in section 2.1(3) above.

*Drafter’s Note: Leave table blank at contract signing. For options A, B, C: Update Tier 2 Long-Term amounts by March 31 of each Rate Case Year after the Above-CHWM Load Process is complete.*

| **Tier 2 Long-Term Rate Purchase Obligation Amount** |
| --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with the annual Average Megawatts, rounded to three decimal places.  |

2.3.2 **Right to Reduce Tier 2 Long-Term Rate Election Amount Without a Fee**

«Customer Name» shall have a one-time right to request to reduce its Tier 2 Long-Term Rate election amount under options A, B, or C, without any charges or fees, if (1) «Customer Name» submits a written request to BPA prior to August 1, 2027, and (2) BPA has not acquired power for the purposes of serving «Customer Name»’s Tier 2 Long-Term Rate purchase obligation.

BPA, in its sole discretion, shall determine whether «Customer Name»’s request to reduce its Tier 2 Long-Term Rate election amount meets the notice requirements. BPA shall notify «Customer Name» if the request does not meet the notice requirements.

If BPA determines that «Customer Name»’s request meets the notice requirements, then BPA shall reduce «Customer Name»’s Tier 2 Long‑Term Rate election amount. By March 31, 2028, BPA shall: (1) update the applicable table(s) in section 2 of this exhibit with «Customer Name»’s updated Tier 2 Long‑Term Rate election amount, and (2) update «Customer Name»’s election in section 2.1 if applicable.

2.3.3 **Right to Reduce Tier 2 Long Term Election Amount**

2.3.3.1 **Changes to Tier 2 Long-Term Elections**

Regardless of any reduction made pursuant to section 2.3.2 above, over the remaining term of the Agreement «Customer Name» shall have a one-time right to reduce its Tier 2 Long‑Term Rate election amount under section 2.1 above, including reducing such amount to zero.

2.3.3.2 **Notification and Service Options**

«Customer Name» shall notify BPA in writing of its one-time election to reduce the amount of power «Customer Name» is obligated to purchase under section 2.3.3.1 above no less than three years prior to the start of the Rate Period that its election would be effective.

«Customer Name»’s election under section 2.3.3.1 above shall be binding for the remaining term of the Agreement.

If «Customer Name» elects to reduce its Tier 2 Long-Term Rate election amount pursuant to section 2.3.3.1 above, then «Customer Name» shall serve the amount of the reduction with: (1) Firm Requirements Power at the Tier 2 Short‑Term Rate, (2) Firm Requirement Power at a Tier 2 Vintage Rate, if applicable, (3) Dedicated Resources, or (4) a combination of amounts of (1), (2) and (3).

«Customer Name» shall notify BPA of its intent to serve its Above-CHWM Load with one of the four options listed in section 2.3.3.2 consistent with the terms and conditions stated in section 2 of Exhibit C.

2.3.3.3 **Exhibit Updates**

By March 31 following «Customer Name»’s election notice under section 2.3.3.2 above, BPA shall: (1) update the applicable table(s) in section 2 of this exhibit, with «Customer Name»’s updated Tier 2 Long-Term Rate election amount, and (2) update «Customer Name»’s election in section 2.1 of this exhibit. BPA will update Exhibit A with any changes to «Customer Name»’s Dedicated Resource amounts.

2.3.3.4 **Charges to Change Tier 2 Long-Term Election Amount**

«Customer Name» shall pay any charges that apply as a result of «Customer Name» exercising the one time right to change its Tier 2 Long‑Term Rate election amount under this section 2.3.3. BPA shall calculate such charges pursuant to the PRDM and Power Rate Schedules and General Rate Schedule Provisions. BPA shall not make payment to «Customer Name» as a result of BPA reducing the fixed up to Average Megawatt amounts of Firm Requirements Power that «Customer Name» is obligated to purchase at Tier 2 Long‑Term Rates.

2.4 **Tier 2 Short-Term Rate**

Subject to the limitations in section 2.4.1 below, «Customer Name» may elect to purchase Firm Requirements Power at Tier 2 Short-Term Rates by electing option B, C or D under section 2.1 above.

If «Customer Name» elects options B, C or D, then by July 31, 2027, and by July 31 of each Forecast Year, «Customer Name» shall notify BPA of the amount of its Above-CHWM Load it requests for BPA to serve, if any, at the Tier 2 Short‑Term Rate for the following Rate Period. Subject to the limitations in section 2.4.2 below, BPA shall update the table below by March 31 of each Rate Case Year to state the amount of power «Customer Name» is obligated to purchase at the Tier 2 Short‑Term Rate as follows.

If «Customer Name» elects option B under section 2.1, then the amount of Firm Requirements Power «Customer Name» may request to purchase at the Tier 2 Short-Term Rate shall not exceed the amount of «Customer Name»’s Above-CHWM Load, calculated for each Fiscal Year of the applicable Rate Period, and shall not exceed the fixed Average Megawatt amount elected under the Tier 2 Long-Term option stated in the table in section 2.1(2) above.

If «Customer Name» elects option C under section 2.1, then the amount of Firm Requirements Power «Customer Name» may request to purchase at the Tier 2 Short-Term Rate, shall not exceed the lesser of «Customer Name»’s Above-CHWM Load amount calculated for each Fiscal Year of the applicable Rate Period or the fixed up to Average Megawatt amount BPA will serve under the flexible option as stated in the table in section 2.1(3) above.

If «Customer Name» elects option D under section 2.1, then the amount of Firm Requirements Power «Customer Name» may request to purchase at the Tier 2 Short-Term Rate, shall not exceed «Customer Name»’s Above-CHWM Load amount, calculated for each Fiscal Year of the applicable Rate Period.

*Drafter’s Note: Leave table blank at contract signing. For options B, C, and D, update Tier 2 Short-Term amounts for each Rate Period by March 31 of each Rate Case Year after the Above-CHWM Process is complete.*

| **Tier 2 Short-Term Rate Purchase Obligation Amounts** |
| --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note:Fill in the table above with annual Average Megawatts, rounded to three decimal places. |

2.4.1 **Limitations on Tier 2 Short-Term Rate Amounts**

BPA shall attempt to acquire power to serve «Customer Name»’s total amount of load requested to be served with Firm Requirements Power at the Tier 2 Short‑Term Rate. If BPA is unable to acquire power, at any price, and cannot meet all customers’ requests to purchase power at the Tier 2 Short‑Term Rate, then each applicable Rate Period BPA: (1) shall notify «Customer Name» of the unavailability of power at the Tier 2 Short‑Term Rate and (2) may limit the amount of Firm Requirements Power at the Tier 2 Short‑Term Rate that «Customer Name» can purchase. If BPA receives multiple requests to provide Firm Requirements Power at the Tier 2 Short-Term Rate for the same Rate Period, and if BPA is only able to acquire power to serve a portion of the total requests for power priced at the Tier 2 Short-Term Rate, then BPA shall proportionally reduce all requests for the Rate Period on a pro rata basis.

By March 31, 2028 and by March 31 of each Rate Case Year thereafter, BPA shall notify customers of the unavailability or pro-rata reduction of power available at the Tier 2 Short-Term Rate.

2.4.2 **Determining Pro-Rata Shares of Amounts at Tier 2 Short-Term Rate**

If necessary pursuant to section 2.4.1 above, BPA shall determine «Customer Name»’s pro-rata amount of power available for purchase at a Tier 2-Short Term Rate for the applicable Rate Period based on (1) the actual amounts BPA is able to acquire to meet all customers’ aggregate requests for service at a Tier 2 Short-Term Rate and (2) the total amount of Firm Requirements Power requested at the Tier 2 Short-Term Rate in section 2.4 each Rate Period. BPA will adjust individual amounts of Firm Requirements Power at the Tier 2 Short-Term Rate downward by the ratio between sections 2.4.2.(1) and 2.4.2.(2) above to calculate the amounts of the proportional share adjustment.

In the event BPA adjusts amounts at the Tier 2 Short-Term Rate downward, «Customer Name» shall apply Dedicated Resources to serve the portion of its election at the Short-Term Tier 2 Rate that BPA is unable to supply. BPA will update amounts in Exhibit A in accordance with section 2.6 below.

2.4.3 **Failure to Make an Election**

If «Customer Name» does not notify BPA of its Tier 2 Short‑Term Rate election amounts pursuant to section 2.4 above for a Rate Period, then BPA shall enter “zero” for the applicable Fiscal Years of the Rate Period, and «Customer Name» shall serve its remaining Above‑CHWM Load amounts with Dedicated Resources.

In the event that «Customer Name» fails to make an election of its Tier 2 Short‑Term Rate election amounts pursuant to section 2.4 above, then «Customer Name» shall apply Dedicated Resources to meet its Above-CHWM Load. Any amounts will be updated in Exhibit A in accordance with section 2.6 below.

2.4.4 **Liability**

In no event shall BPA make payment to «Customer Name» as a result of «Customer Name» electing to reduce the amounts of Firm Requirements Power that «Customer Name» is obligated to purchase at Tier 2 Short-Term Rates. In no event shall BPA make payment to «Customer Name» if it is unable to secure power to meet requests for purchases at the Tier 2 Short-Term Rate.

2.5 **Tier 2 Vintage Rate Alternative*(12/11/24 Version)***

If «Customer Name» elects option B, C, or D under section 2.1 above, then «Customer Name» is eligible to purchase Firm Requirement Power at a Tier 2 Vintage Rate, if offered by BPA, as described in this section 2.5. For purposes of this section 2.5, “Vintage Resource” means the output of a physical resource that BPA determines, in its sole discretion, to acquire for a period of greater than three years and that forms the cost basis for pricing Firm Requirements Power subject to an established Tier 2 Vintage Rate. BPA may offer to sell Firm Requirements Power at a Tier 2 Vintage Rate whenever it acquires a Vintage Resource.

BPA shall notify customers with a CHWM Contract at least 60 calendar days prior to making a Request For Offer (RFO) for a Vintage Resource. Within 30 days of such notice, «Customer Name» shall notify BPA of the amount of Firm Requirements Power it will purchase from BPA at a Tier 2 Vintage Rate associated with the Vintage Resource.

Following the close of the RFO, BPA shall determine, in its sole discretion, whether to proceed with acquiring the Vintage Resource. If BPA decides to proceed with acquiring the Vintage Resource, then BPA will notify «Customer Name» of the available quantity, if any, of Firm Requirement Power that customer is eligible to purchase at the Tier 2 Vintage Rate, and the estimated Tier 2 Vintage Rate. «Customer Name» shall execute a Statement of Intent, as stated in section 2.5.1 below, to purchase identified amounts of Firm Requirements Power at the applicable Tier 2 Vintage Rate. The Statement of Intent will include the process and timing to elect the Vintage Alternative and execute a Statement of Intent.

2.5.1 **Statement of Intent**

If «Customer Name» elects to purchase Firm Requirements Power from BPA at Tier 2 Vintage Rates, then «Customer Name» shall sign a Statement of Intent provided by BPA which will state the amount of power «Customer Name» commits to purchase at a Tier 2 Vintage Rate. The Statement of Intent will be binding unless BPA does not complete the acquisition of the Vintage Resource consistent with section 2.5.3 below.

2.5.2 **Tier 2 Vintage Rate**

BPA shall determine the applicable Tier 2 Vintage Rate in accordance with the PRDM and applicable Wholesale Power Rate Schedules and GRSPs. BPA will restate in the Statement of Intent the applicable Tier 2 Vintage Rate for the Vintage Resource.

2.5.3 **BPA Acquisition of Vintage Resource**

If BPA acquires the Vintage Resource, then BPA shall notify «Customer Name» that the acquisition is complete and update the table in section 2.5.8 below with the amount of Firm Requirements Power sold at a Tier 2 Vintage Rate and the contract number for the Statement of Intent. If BPA does not complete the acquisition of the Vintage Resource, then BPA shall notify «Customer Name», and the Statement of Intent will become null and void. If BPA does not complete the acquisition, then «Customer Name»’s current elections for service to its Above-CHWM Load above shall continue to apply.

2.5.4 **Additional Provisions Applicable to the Statement of Intent**

2.5.4.1 **Additional Terms and Conditions in Statement of Intent**

In addition to paying the Tier 2 Vintage Rate, «Customer Name» will also be subject to such additional terms and conditions associated with its selection of the Tier 2 Vintage Rate as described in the Statement of Intent. Such additional terms may include, but are not limited to, liquidated damages, if applicable, associated with the purchase of the Vintage Resource.

2.5.4.2 **Duration of Statement of Intent**

The Tier 2 Vintage Resource amounts applied to serve «Customer Name»’s Above-CHWM Load under this Agreement will not apply beyond the expiration of this Agreement, except as stated in the Statement of Intent.

2.5.4.3 **Maximum Amount of Firm Requirements Power at** **Tier 2 Vintage Rate**

The maximum amount of Firm Requirements Power «Customer Name» is eligible to purchase at a Tier 2 Vintage Rate will be equal to the annual maximum forecast of «Customer Name»’s flexible Above‑CHWM Load amounts of «Customer Name»’s election under section 2.1, minus any Dedicated Resources serving «Customer Name»’s Above‑CHWM Load. BPA will develop the annual maximum forecast of «Customer Name»’s flexible Above-CHWM Load amounts at the time BPA issues the RFO for the Vintage Resource. Such forecast shall apply for the term of BPA's acquisition of the Vintage Resource or this Agreement, whichever occurs first.

2.5.4.4 **Commencement of the Vintage Resource**

«Customer Name»’s Statement of Intent shall include procedures for how BPA will address the availability and timing of a Vintage Resource, if the timing of such Vintage Resource is not concurrent with the timing of any elections made by «Customer Name» in sections 2.1 and 2.4 of this exhibit.

2.5.5. **Multiple Requests for Vintage Resource**

«Customer Name»’s Statement of Intent shall include procedures for how BPA will address multiple requests for Firm Requirements Power sold by BPA at a Tier 2 Vintage Rate if the aggregate amount of customer requests exceeds the amount of the Vintage Resource.

2.5.6 **Tier 2 Vintage Amounts in Excess of Above-CHWM Load**

If «Customer Name» purchases an amount of power from BPA at a Tier 2 Vintage Rate that exceeds its current Above-CHWM Load, then BPA, in its sole discretion, may either:

(1) determine any amount of power that exceeds «Customer Name»’s Above-CHWM Load as surplus power and provide such to «Customer Name» at a surplus rate equivalent to the applicable Tier 2 Vintage Rate to be managed by «Customer Name»; or

(2) in accordance with section 10 of this exhibit, and pursuant to the PRDM, provide a remarketing service for the power that exceeds «Customer Name»’s Above-CHWM Load until «Customer Name»’s Above-CHWM Load can accommodate the contracted amount of power purchased at the Tier 2 Vintage Rate.

2.5.7 **Treatment of** **Tier 2 Vintage Rate and Tier 2 Short Term Rate Purchase Obligations**

In addition to the right to purchase power at a Tier 2 Vintage Rate established in this section 2.5, «Customer Name» may have the opportunity to purchase Firm Requirements Power at Tier 2 Vintage Rates regardless of whether «Customer Name» is purchasing power at Tier 2 Short-Term Rates, if BPA determines, in its sole discretion, to offer «Customer Name» a Statement of Intent that would provide «Customer Name» the opportunity to purchase Firm Requirements Power at Tier 2 Vintage Rates.

Any election by «Customer Name» to purchase Firm Requirements Power at Tier 2 Vintage Rates shall not relieve «Customer Name» of any obligation to purchase Firm Requirements Power at another Tier 2 Rate.

Any amounts of power that «Customer Name» is obligated to purchase at a Tier 2 Vintage Rate or Tier 2 Short Term Rate that exceeds its Above-CHWM Load will be treated pursuant to section 2.5.6 above.

2.5.8 **Tier 2 Vintage Rate Elections, Amounts and Exhibit Updates**

If applicable, BPA shall update the table below within 90 days of signing the Statement of Intent, with «Customer Name»’s Tier 2 Vintage Rate purchase obligation amounts.

*Drafter’s Note: Leave table blank at contract signing:*

| **Annual Amounts at Tier 2 Vintage Rate.** **Statement of Intent Contract No. «##PS-#####»**  |
| --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **Annual aMW** |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with annual Average Megawatts, rounded to three decimal places. Leave FY blank when not purchasing at a Tier 2 Vintage Rate. Include SOI number(s) in table title.  |

By September 15 of each Fiscal Year or immediately following the establishment of a Tier 2 Vintage Rate for which «Customer Name» signed a Statement of Intent, BPA shall update the table in section 2.8.2 with «Customer Name»’s Tier 2 Vintage Rate purchase obligation amounts.

2.6 **Obligation to Apply Dedicated Resources**

«Customer Name» shall apply Dedicated Resources to serve the portion of its Above-CHWM Load that exceeds the sum of all «Customer Name»’s purchase obligations at Tier 2 Rates under sections 2.3, 2.4, and 2.5 above. BPA shall add «Customer Name»’s Dedicated Resources to section 2 and section 3 of Exhibit A.

2.7 **Above-CHWM Load Liability**

If «Customer Name» annexes load from another customer with a CHWM Contract that had Above-CHWM Load served with Firm Requirements Power purchased at a Tier 2 Long-Term Rates, Tier 2 Short-Term Rate or a Tier 2 Vintage Rate, then «Customer Name» shall pay any costs that BPA determines apply as a result of such annexation. BPA shall determine such costs, if any, during the 7(i) Process that follows «Customer Name»’s notice of annexation. BPA shall include such cost identified through the 7(i) Process on «Customer Name»’s bill. In no event shall BPA make payment to «Customer Name» as a result of «Customer Name» reducing its amounts of Firm Requirements Power.

2.8 **Updates to Total Retail Load Forecast*(12/11/24 Version)***

If «Customer Name» submits an updated Total Retail Load forecast pursuant to section 17.6.2 of the body of the Agreement, BPA updates «Customer Name»’s forecast Net Requirement and calculates an Above-CHWM Load amount greater than «Customer Name»’s Above-CHWM Load amount, established in the Above-CHWM Load Process, then «Customer Name» shall apply Dedicated Resources to serve the difference between (1) the amount established in the Above-CHWM Load Process and (2) any additional Above-CHWM Load amount established through such updated Total Retail Load forecast, for the applicable Rate Period. By March 31 following such calculation and determination, BPA will update Exhibit A with any changes to «Customer Name»’s Dedicated Resource amounts.

2.9 **Amounts of Power to be Billed at Tier 2 Rates*(12/19/24 Version)***

By March 31, 2028 and by March 31 of each Rate Case Year thereafter, BPA shall update the table in section 2.9 of this exhibit, consistent with «Customer Name»’s elections for the upcoming Rate Period, with: (1) the planned annual average amounts of Firm Requirements Power that «Customer Name» shall purchase at the Tier 2 Long-Term Rate, Tier 2 Short-Term Rate, and Tier 2 Vintage Rate, if applicable, and (2) any remarketed Tier 2 Rate purchase amounts in accordance with section 10 of the body of this Agreement. By March 31, 2028, and by March 31 of each Rate Case Year thereafter, BPA shall update the table below with such amounts for each year of the upcoming Rate Period consistent with sections 2.3, 2.4 and 2.5 of this exhibit. The difference between Above-CHWM Load and Tier 2 Rate amounts will be served pursuant to section 2.6 of this exhibit.

*Drafter’s Note: Leave table blank at contract signing:*

|  | **Annual Amounts Priced at Tier 2 Rates (aMW)** |
| --- | --- |
| **Fiscal Year** | **2029** | **2030** | **2031** | **2032** | **2033** | **2034** | **2035** | **2036** |
| **«No Tier 2 at this time»** |  |  |  |  |  |  |  |  |
| **Remarketed Amounts** |  |  |  |  |  |  |  |  |
| **Fiscal Year** | **2037** | **2038** | **2039** | **2040** | **2041** | **2042** | **2043** | **2044** |
| **«No Tier 2 at this time»** |  |  |  |  |  |  |  |  |
| **Remarketed Amounts** |  |  |  |  |  |  |  |  |
| Notes:1. List each applicable Tier 2 rate in the table above. For the first applicable Tier 2 rate replace **No Tier 2 at this time** with the name of the applicable Tier 2 rate. For each additional Tier 2 rate, add a new row above the **Remarketed Amounts** row. If «Customer Name» elects not to purchase at Tier 2 rates, then leave **No Tier 2 at this time** in the table and leave the remainder of the table blank.2. Fill in the table above with annual Average Megawatts rounded to three decimal places. |

**3. REVISIONS**

BPA shall revise this exhibit to reflect «Customer Name»’s elections regarding service to its Above-CHWM Load and BPA’s determinations relevant to this exhibit and made in accordance with this Agreement.

*End Option 1*

Exhibit D

**ADDITIONAL PRODUCTS AND SPECIAL PROVISIONS**

**1. CF/CT AND NEW LARGE SINGLE LOADS*(12/11/24 Version)***

*Option 1: Include the following if customer* ***has no*** *CF/CT loads.*

1.1 **CF/CT Loads**

«Customer Name» has no loads identified that were contracted for, or committed to (CF/CT), as of September 1, 1979, as defined in section 3(13)(A) of the Northwest Power Act.

*End Option 1*

*Option 2: Include the following if customer* ***has*** *CF/CT loads.*

*Drafter’s Note: If customer has more than one CF/CT, number each separately as (1), (2), etc. and indent appropriately.*

1.1 **CF/CT Loads**

The Administrator has determined that the following loads were contracted for, or committed to be served (CF/CT), as of September 1, 1979, as defined in section 3(13)(A) of the Northwest Power Act, and are subject to PF rates:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **End Use Consumer’s Name** | **Facility Name** | **Facility Location** | **Date of CF/CT determination** | **Amount of firm energy contracted for, or committed to (MW)** |
|  |  |  |  |  |
| Note: Amount of Firm Energy is at 100 percent load factor. |

CF/CT Description:

*End Option 2*

*Option 1: Include the following if customer* ***has no*** *POTENTIAL NLSLs.*

1.2 **Potential NLSLs**

«Customer Name» has no identified Potential NLSLs.

*End Option 1*

*Option 2: Include the following if customer* ***has*** *POTENTIAL NLSLs. Update, as needed, at the end of each monitoring period.*

*Drafter’s Note: If customer has more than one Potential NLSL, number each separately as (1), (2), etc. and indent appropriately. Add facility name if there are two Potential NLSLs at same site or as needed.*

1.2 **Potential NLSLs**

«Customer Name» has the following identified Potential NLSLs:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **End Use Consumer’s Name** | **Facility Name** | **Facility Location** | **Date of BPA facility determination** | **12-month Monitoring Period** |
|  |  |  |  | «Month Day» through «Month Day» |

Potential NLSL Description:

*End Option 2*

*Option 1: Include the following if customer* ***has no*** *PLANNED NLSLs.*

1.3 **Planned NLSLs**

«Customer Name» has no Planned NLSLs.

*End Option 1*

*Option 2: Include the following if customer* ***has*** *PLANNED NLSLs and will serve the Planned NLSLs with Dedicated Resources and/or Consumer-Owned Resources.*

1.3 **Planned NLSLs Served with Dedicated Resource or Consumer-Owned Resource Amounts**

«Customer Name» has one or more Planned NLSLs and will serve the Planned NLSLs listed below pursuant to section 23.3 and with Dedicated Resource or Consumer-Owned Resource amounts in Exhibit A that are not already used to serve any other portion of «Customer Name»’s Total Retail Load and are listed in section 4 or section 7.4, respectively, of Exhibit A.

*Drafter’s Note: If customer has more than one Planned NLSL, number each separately as (1), (2), etc. and indent appropriately. Add facility name if there are two Planned NLSLs at same site or as needed. Update, as needed, at the end of each monitoring period.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **End Use Consumer’s Name** | **Facility Name** | **Facility Location** | **Date of BPA facility determination** | **12-month Monitoring Period** | **Date Facility Started Service as Planned NLSL** | **Manner of Service** |
|  |  |  |  | «Month Day» through «Month Day» |  | «Direct *or* Transfer» |

Planned NLSL Description:

Other Service Details: «Include term of non-federal resource application, Consumer-Owned Resource details, service start date, other necessary details»

*End Option 2*

*Option 1: Include the following if customer* ***has no*** *NLSLs.*

1.4 **NLSLs**

«Customer Name» has no NLSLs.

*End Option 1*

*Option 2: Include the following if customer* ***has*** *NLSLs that it will serve with Dedicated Resources and/or Consumer-Owned Resources.*

1.4 **NLSLs**

«Customer Name» has one or more NLSLs and will serve the NLSLs listed below pursuant to section 23.3 of the body of this Agreement and with Dedicated Resource or Consumer-Owned Resource amounts in Exhibit A that are not already used to serve any other portion of «Customer Name»’s Total Retail Load and are listed in section 4 or section 7.4, respectively, of Exhibit A.

*Drafter’s Note: If customer has more than one NLSL, letter each separately as (1), (2), etc. and indent appropriately. Add facility name if there are two NLSLs at same site or as needed.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **End Use Consumer’s Name** | **Facility Name** | **Facility Location** | **Date of BPA facility determination** | **12-month Monitoring Period** | **Date Load Determined to be an NLSL** | **Manner of Service** |
|  |  |  |  | «Month Day» through «Month Day» |  | «Direct *or* Transfer» |

NLSL Description:

Approximate load: «X.XXX» aMW (load measured from «Month Day, Year» through «Month Day, Year»)

Other Service Details: «Include Consumer-Owned Resource details, service start date, other necessary details»

*End Option 2*

*Option 1: Include the following if customer* ***has*** *an NLSL but* ***has no*** *onsite renewable or cogeneration facilities to serve an NLSL:*

1.4.1 **Renewable Resource/Cogeneration Exception**

«Customer Name»’s end-use consumer is not currently applying an on-site renewable resource or cogeneration facility to an NLSL.

*End Option 1*

*Option 2: Include the following if customer* ***has*** *an NLSL and* ***has*** *an onsite renewable or cogeneration facility to serve that NLSL.*

1.4.1 **Renewable Resource/Cogeneration Exception**

*Option: Choose whether customer is applying a renewable or cogeneration facility.*

«Customer Name»’s end-use consumer is applying an onsite «renewable resource or cogeneration facility» to its NLSL listed in section 1.5 of this exhibit. *Suboption: Include the following if the customers’ onsite renewable or cogeneration facility is served by Transfer.*Consistent with section 14.6 of this Agreement, BPA shall pay for Transfer Service and shall pass through all applicable Transfer Service costs to «Customer Name» related to the application of «Customer Name»’s Dedicated Resources or Consumer-Owned Resources to its NLSL.*End Suboption*

*End Option 2*

*Option: Include the following if the customer has one or more NLSLs that are served with transfer.*

1.4.2 **NLSL(s) Served by Transfer Service**

Any Dedicated Resource or Consumer-Owned Resource amounts «Customer Name» applies to serve a Planned NLSL or an NLSL that are (1) listed in sections 1.3 or 1.4 above and (2) are served by Transfer Service must meet the terms and conditions of section 14.6.7 of the body of this Agreement, Exhibit G, and the relevant Network Resource section of Exhibit J.

For any such NLSLs listed in section 1.4 above, BPA shall acquire and pay for Transfer Service and pass through any applicable Transfer Service to «Customer Name».

For any such Planned NLSL(s) listed above in section 1.3 above, at the end of the applicable consecutive 12‑month monitoring period, BPA will determine if the Planned NLSL became an NLSL in accordance with section 23.3.5 of the body of this Agreement. If the Planned NLSL does not become an NLSL during the monitoring period, then BPA shall credit «Customer Name» for any eligible Transfer Service costs that BPA passed through and «Customer Name» paid related to serving the Planned NLSL. If Transfer Service invoices associated with such Planned NLSLs are amended by the Third-Party Transmission Provider following such credit, then BPA will pass through any charges or credits to «Customer Name» associated with such amended invoices. If the load continues to be monitored as a Planned NLSL, then the applicable provisions of this section 1.4.1 will continue to apply.

*End Option for Transfer Service*

1.5 **Potential NLSL and Planned NLSL Facility Load**

1.5.1 **Cumulative Prior Load**

Pursuant to section 20.3.5.2 of the body of this Agreement, BPA shall fill in the table in section 1.5.2 below with any «Customer Name» amounts of Potential NLSL and Planned NLSL cumulative prior load.

1.5.2 **Facility Load Included in Calculation of Power Eligible at PF Rate**

Pursuant to section 20.3.5.3 of the body of this Agreement, BPA shall fill in the table below with the fixed amount of facility load to be included in the calculation of «Customer Name»’s Firm Requirements Power eligible for service at BPA’s PF rate(s).

*Drafter’s Note: Add a row for each additional Potential NLSL, Planned NLSL, or NLSL that has cumulative prior load and/or load included in the calculation of Firm Requirements Power eligible for service at the PF rate. Update at the end of each monitoring period. If customer has none, include N/A and retain «XX.XXX» as applicable.*

|  |
| --- |
| **Potential NLSL, Planned NLSL, and NLSL Facility Load** |
| **Facility Name** | **Status of NLSL** | **Cumulative Prior Load Energy** | **Cumulative Prior Load Peak** | **Facility Load Included in the Calculation of Power Eligible at PF Rate** |
| «Name of Potential NLSL, Planned NLSL, or NLSL» | «Potential NLSL, Planned NLSL, or NLSL» | «XX.XXX» aMW | «XX.XXX» MW | «XX.XXX» aMW |

1.6 **Liquidated Damages for Planned NLSLs**

This section 1.6 will not apply if «Customer Name»’s Net Requirement is greater than its applicable CHWM for the Fiscal Year(s) coinciding with a consecutive 12‑month monitoring period.

If BPA determines that a Planned NLSL has grown by less than ten Average Megawatts in the consecutive 12‑month monitoring period just completed, then BPA shall charge and «Customer Name» shall pay BPA the annual liquidated damages charge calculated by BPA as follows:

1.6.1 **Load Subject to Liquidated Damages**

To calculate the load subject to liquidated damages, BPA will multiply the applicable load by the CHWM Ratio. The applicable load is defined as the metered load at the Planned NLSL(s) during the 12‑month monitoring period minus any cumulative prior load. The CHWM Ratio is defined as the lesser of: (1) the difference of the applicable CHWM during the 12-month monitoring period and the average of the applicable Annual Net Requirement(s) during the 12-month monitoring period divided by the Applicable Load or (2) one. The load calculation described in this section 1.6.1 is expressed in the following formula:

Where:

Applicable Load = the metered load at the Planned NLSL(s) – any Facility Load Included in the Calculation of Power Eligible at PF Rate

CHWM Ratio =

LD Load = load subject to liquidated damages

1.6.2 **Annual Liquated Damages Charge**

BPA shall calculate liquidated damages by multiplying the Planned NLSL liquidated damages rate, established in the applicable Wholesale Power Schedules and GRSPs, by load subject to liquidated damages (LD Load) as stated in section 1.9.1 above.

*Option: Include the following for customers who are eligible to receive irrigation rate discount; delete this section if not applicable.*

**2. IRRIGATION RATE DISCOUNT*(06/10/24 Version)***

Starting October 1, 2028, subject to the terms specified in BPA’s applicable Wholesale Power Rate Schedules and GRSPs, the following shall apply, provided that the Parties have revised the table below no later than September 30, 2027.

2.1 For billing purposes, in the months listed below for each year during the term of this Agreement, BPA shall apply Irrigation Rate Discount to the lesser of the corresponding amount purchased at the Tier 1 Rate in the month or the energy amount in the table below.

|  |
| --- |
| **Irrigation Amounts (kWh)** |
| **May** | **Jun** | **Jul** | **Aug** | **Sept** | **Annual Total** |
|  |  |  |  |  |  |

2.2 After the end of each irrigation season, the Parties shall administer a true-up process to ensure «Customer Name»’s irrigation load meets or exceeds the total eligible irrigation amount (in kilowatt‑hours) listed above.

2.3 «Customer Name» shall be responsible for implementing cost-effective conservation measures on irrigation systems in their service territories. «Customer Name» shall report and BPA shall verify all qualifying conservation measures and project savings pursuant to «Customer Name»’s Energy Conservation Agreement or its successor.

*End IRD Option*

**«#». «PLACEHOLDER FOR SPECIAL PROVISIONS»**

*Drafter’s Note: Insert any special provisions unique to the customer here,* ***before*** *the revisions section, and number sections accordingly. Otherwise, delete this section if not applicable.*

*Option 1: Include the following for customers that have NOT purchased DFS and/or FORS.*

**«#». REVISIONS*(10/26/2018 Version)***

Except for revisions to section 1, CF/CT and New Large Single Loads for determinations made by BPA under section 23.3 of the body of the Agreement and section 1 of this Exhibit D, this exhibit shall be revised by mutual agreement of the Parties to reflect additional products «Customer Name» purchases during the term of this Agreement.

*End Option 1*

*Option 2: If customer purchases DFS and/or FORS, then replace the Revisions section in Exhibit D with the following revisions section.*

**«#». REVISIONS*(10/26/2018 Version)***

«#».1 **General Exhibit Revisions**

Except for: (1) revisions to section 1, CF/CT and New Large Single Loads for determinations made by BPA under section 23.3 of the body of the Agreement and section 1 of this Exhibit D, and (2) those provisions in this exhibit for Diurnal Flattening Service (DFS) and Forced Outage Reserve Service (FORS), this exhibit shall be revised by mutual agreement of the Parties to add products «Customer Name» purchases during the term of this Agreement.

«#».2 **Revisions to DFS and FORS**

If «Customer Name» purchases DFS or FORS, then BPA may unilaterally revise the provisions in this exhibit related to such products to implement:

(1) an established rate for such products or services, or

(2) changes that BPA determines are necessary to allow it to meet its power and scheduling obligations under this Agreement.

BPA shall specify the effective date of unilateral revisions.

*End Option 2*

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*Option 1: Include for Slice/Block and Block customers that both interchange and non-interchange meters.*

Exhibit E

**METERING *(11/13/24 Version)***

*Drafter’s Notes: Rows will be added to the table to include applicable Points of Metering and Points of Delivery. The table will be sorted first by manner of service then alphabetically by POD name, then POM name under each POD.*

**1. METERING**

| **BPA POD Name** | **BPA POD Number** | **BPA POM Name** | **BPA POM Number** | **POD Location Description** | **POD Voltage kV** | **POM Location Description** | **Direction for PF Billing Purposes** | **WECC Balancing Authority** | **Manner Of Service** | **Manner Of Service Description** | **Metering Loss Adjust-ment** | **Exception** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**2. REVISIONS**

Each Party shall notify the other with any requests to update to this exhibit. The Parties shall coordinate and seek mutual agreement on any such requested exhibit revisions. Upon such agreement, or if the agreement is unreasonably withheld or delayed, BPA shall revise this exhibit to accurately reflect what BPA determines are the actual characteristics of PODs and meter information described in this exhibit. Unless the Parties otherwise agree, BPA shall not revise the exhibit any sooner than 60 days after the request to update this exhibit. BPA shall provide «Customer Name» with a revised Exhibit E. The effective date will be the date stated at the top of the revised exhibit.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*End Option 1 for Slice/Block and Block customers that have both interchange and non-interchange meters.*

*Option 2: Include for Slice/Block and Block customers that have ONLY interchange meters.*

Exhibit E

**METERING*(11/13/24 Version)***

**1. DESCRIPTION OF INTERCHANGE METERS**

For purposes of this exhibit, an “Interchange Point” means the point where two Balancing Authority Areas interconnect and at which the interchange of energy between Balancing Authority Areas is monitored and measured by interchange meter(s). The Parties agree that although the following interchange meters may not be necessary to prepare «Customer Name»’s power bills, inclusion of this information will help both Parties administer this Agreement. Information about the points of interchange and meter to interchange relationships are useful in providing the Parties a better understanding of the scope of «Customer Name»’s and BPA’s Balancing Authority Areas. This information will also help BPA review its forecasting assumptions.

*Drafter’s Notes: Rows will be added to the table for each meter point. The meter table will be sorted alphabetically according to name of interchange point.*

*Sub-Option 1: Include if customer’s interchange meters are in their own BAA.*

| **Name of Interchange Point** | **Meter Location** | **Meter Owner** |
| --- | --- | --- |
|  |  |  |

*END Sub-Option 1*

*Sub-Option 2: Include if customer’s interchange meters are in a different BAA.*

BPA and «BAA Customer Name» have installed interchange telemetry and metering at the locations listed below.

| **Name of Interchange Point** | **Meter Location** | **Meter Owner** | **Exception** |
| --- | --- | --- | --- |
|  |  |  |  |

*End Sub-Option 2*

**2. REVISIONS**

Each Party shall notify the other with any requests to update to this exhibit. The Parties shall coordinate and seek mutual agreement on any such requested exhibit revisions. Upon such agreement, or if the agreement is unreasonably withheld or delayed, BPA shall revise this exhibit to accurately reflect what BPA determines are the actual characteristics of PODs and meter information described in this exhibit. Unless the Parties otherwise agree, BPA shall not revise the exhibit any sooner than 60 days after the request to update this exhibit. BPA shall provide «Customer Name» with a revised Exhibit E. The effective date will be the date stated at the top of the revised exhibit.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*End Option 2 for Block and Slice/Block customers that have ONLY Interchange meters*

*Option 1: Include for Directly Connected customers:*

Exhibit F

**SCHEDULING**

*Option 1: Include the following for directly-connected Slice customers with Point-to-Point Transmission*

**1. SCHEDULING FEDERAL POWER*(09/17/12 Version)***

«Customer Name» is responsible for creating electronic tags for all amounts of Slice Output Energy, Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement from the Scheduling Points of Receipt to their ultimate destination. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this exhibit.

*End Option 1 for PTP*

*Option 2: Include the following for directly-connected Slice customers with NT service*

**1. SCHEDULING FEDERAL POWER*(09/17/12 Version)***

«Customer Name» is responsible for creating electronic tags for all amounts of Slice Output Energy purchased under this Agreement from the Scheduling Points of Receipt to their ultimate destination. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this exhibit.

If any electronic tags are required for «Customer Name»’s Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement, then BPA shall be responsible for creating such electronic tags.

*End Option 2 for NT*

**2. COORDINATION REQUIREMENTS*(09/17/12 Version)***

2.1 **Hourly Tier 1 and Tier 2 Block Amounts*(08/15/11 Version)***

Consistent with section 4 of the body of the Agreement and sections 1.3 and 2.5 of Exhibit C, BPA shall determine «Customer Name»’s hourly Tier 1 Block Amounts and Tier 2 Block Amounts for all hours of the upcoming Fiscal Year and shall provide «Customer Name» with such amounts at least five Business Days prior to October 1 of each Fiscal Year.

2.2 **Prescheduling*(09/17/12 Version)***

«Customer Name»’s submittal of electronic tags, pursuant to section 1 above, shall be due to Power Services in accordance with the parameters specified in section 4.3 of this exhibit.

2.3 **Real-Time Scheduling*(09/17/12 Version)***

«Customer Name» shall have the right to submit new or modified electronic tags associated with a change to scheduled deliveries of Slice Output Energy in real-time in accordance with the parameters specified in section 4 of this exhibit.

2.4 **After the Fact**

Power Services and «Customer Name» agree to reconcile all transactions, schedules and accounts at the end of each month (as early as possible within the first 10 calendar days of the next month). Power Services and «Customer Name» shall verify all transactions per this Agreement, as to product or type of service, hourly amounts, daily and monthly totals, and related charges.

**3. SLICE OUTPUT ENERGY SCHEDULING REQUIREMENTS*(08/15/08 Version)***

3.1 Schedule submissions to Power Services will primarily be via Power Services approved electronic methods, which may include specific interfaces. However, other Power Services’ agreed-upon submission methods (verbal, fax, etc.) are acceptable if electronic systems are temporarily not available. Transmission scheduling arrangements are handled under separate agreements/provisions with the designated transmission provider, and may not necessarily be the same requirements as Power Services’ scheduling arrangements.

3.2 Schedules of Slice Output Energy submitted to Power Services by «Customer Name» shall comply with Delivery Limits established in the Slice Computer Application.

3.3 The timeline within which Power Services shall approve or deny «Customer Name»’s Delivery Requests, as represented by «Customer Name»’s electronic tags, shall conform to Power Services’ then current preschedule and real-time scheduling guidelines as specified in section 4 of this exhibit.

3.3.1 For the purpose of approving requests for deliveries of Slice Output Energy, Power Services shall approve electronic tags, as described in section 3.3.2 below, that «Customer Name» submits to Power Services consistent with section 3.2 above prior to the applicable Power Services scheduling deadline, as specified in section 4 of this exhibit.

3.3.2 Electronic tags submitted to Power Services shall: (1) identify BPA as the generation providing entity, (2) identify «Customer Name» as first downstream purchasing-selling entity, (3) identify hourly energy amounts in MWh, and (4) maintain all data consistent with applicable industry standards.

 3.3.3 Power Services shall have the sole discretion to accept or deny electronic tags that «Customer Name» submits to Power Services after the applicable Power Services’ scheduling deadline set forth in section 4 of this exhibit, regardless of the reason for the late submission, and regardless of submission method (electronic, verbal, fax, etc.).

3.3.4 Changes to tagged energy amounts required by the Balancing Authority for maintaining system reliability, as determined by the responsible Balancing Authority, shall be implemented by Power Services and «Customer Name» at the time of such notification by the Balancing Authority.

3.4 «Customer Name» shall be responsible for verifying the sum of its hourly tagged and non-tagged (e.g., transmission loss schedules, etc., that are not tagged) energy amounts is equal to its Delivery Request, as described in section 7 of Exhibit M, for each Scheduling Hour.

3.4.1 «Customer Name» shall have the right to submit adjusted Customer Inputs to Power Services, pursuant to section 4.1 of this exhibit, in order to alter the associated Simulated Output Energy Schedules within established Delivery Limits, such that «Customer Name»’s Delivery Request is made equal to the sum of its tagged and non-tagged energy amounts for each Scheduling Hour.

3.4.2 For each Scheduling Hour, the amount «Customer Name»’s hourly tagged and non-tagged energy amount is in excess of its Delivery Request shall be subject to the UAI Charge for energy, and the amount «Customer Name»’s hourly tagged and non-tagged energy amount is less than its Delivery Request shall be forfeited.

3.4.3 Electronic tag and Delivery Request mismatches that result from Balancing Authority reliability required actions shall not be subject to penalty if such required reliability action is implemented by the Balancing Authority less than 30 minutes prior to the start of the Scheduling Hour in which the mismatch occurs.

**4. SCHEDULING DEADLINES*(08/15/08 Version)***

4.1 **Customer Input and BOS Flex Submission Deadline*(12/22/21 Version)***

«Customer Name» shall have until 20 minutes prior to the start of each Scheduling Hour to submit revised Customer Inputs and BOS Flex requests to Power Services in order to affect the associated Delivery Request for each such Scheduling Hour. Power Services shall have the sole discretion to reject for any reason «Customer Name»’s Customer Inputs and BOS Flex requests associated with the upcoming Scheduling Hour that are submitted to Power Services after 20 minutes prior to the start of each such Scheduling Hour.

4.2 **Real**-Time Electronic Tag Submission Deadline

Power Services shall approve electronic tags, as described in section 3.3.2 of this exhibit, that are consistent with section 3.2 of this exhibit and submitted to Power Services by «Customer Name» prior to the Power Services’ scheduling deadline, which is 30 minutes prior to the start of each Scheduling Hour.

4.3 **Preschedule Electronic Tag Submissions**

Unless otherwise mutually agreed, all «Customer Name» preschedule electronic tags will be submitted to Power Services according to NERC instructions and deadlines for electronic tagging, as specified or modified by the Balancing Authority and WECC.

**5. SCHEDULING OF DEDICATED RESOURCES**

No later than 10 days following the end of each month, «Customer Name» agrees that it will electronically copy Power Services on all electronic tags that were created or modified during the previous month in association with the delivery of «Customer Name»’s Dedicated Resources, if any, listed in sections 2, 3, and 4 of Exhibit A.

*Option 1:**Include the following if customer has NOT elected to purchase RSS.*

**6. REVISIONS*(08/15/08 Version)***

BPA may unilaterally revise this exhibit:

(1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or

(2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA’s sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 1*

*Option 2: Include the following if customer DID elect to purchase RSS.*

**6. SCHEDULING NON-FEDERAL RESOURCE SUPPORT SERVICES (RSS)*(06/02/09 Version)***

«Customer Name» is responsible for scheduling all amounts of Resource Support Service such as Diurnal Flattening Service (DFS) and Forced Outage Reserves (FORS) purchased under this Agreement from the generation source to their Total Retail Load, and for creating and adjusting all associated electronic tags. «Customer Name» agrees to provide all copies of such electronic tags to Power Services consistent with the requirements of section 4.2 and 4.3 in Exhibit F for DFS, and section 2.4.4.1 in Exhibit D for FORS.

6.1 **DFS and FORS Coordination Requirements**

6.1.1 **DFS and FORS Prescheduling**

«Customer Name» shall submit separate delivery schedules for each DFS and FORS amounts to Power Services by 1100 Pacific Prevailing Time on the day(s) on which prescheduling occurs, as specified by WECC. Preschedule electronic tags are due to Power Services in accordance with the scheduling deadline parameters specified in section 4.3 of this exhibit.

6.1.2 **DFS and FORS Real-Time Scheduling**

«Customer Name» shall have the right to submit new or modified DFS and FORS delivery schedules and electronic tags associated with deliveries of DFS and FORS in real-time in accordance with the scheduling deadline parameters specified in section 4.2 of this exhibit for DFS, and section 4.2.2.1 in Exhibit D for FORS.

6.1.3 **DFS and FORS After the Fact**

Power Services and «Customer Name» agree to reconcile all transactions, for each DFS and FORS delivery schedules and accounts at the end of each month (as early as possible within the first 10 calendar days of the next month). Power Services and «Customer Name» shall verify all transactions per this Agreement, as to DFS and FORS service, hourly amounts, daily and monthly totals.

6.2 **DFS and FORS Coordination Requirements**

6.2.1 DFS and FORS delivery schedule submissions to Power Services will primarily be via Power Services approved electronic methods, which may include specific interfaces. However, other Power Services’ agreed-upon submission methods (verbal, fax, etc.) are acceptable if electronic systems are temporarily not available. Transmission scheduling arrangements are handled under separate agreements/provisions with the designated transmission provider, and may not necessarily be the same requirements as Power Services’ scheduling arrangements.

6.2.2 DFS and FORS delivery schedules submitted to Power Services by «Customer Name» shall comply with the specific resource shapes and amounts established in Exhibits A, C, and D.

6.2.3 The timeline within which Power Services shall approve or deny each «Customer Name» DFS and FORS delivery schedules, as represented by «Customer Name» electronic tags, shall conform to Power Services’ then current preschedule and real-time scheduling guidelinesas specified in sections 4.2 and 4.3 of this exhibit for DFS, and section 2.4.4.1 in Exhibit D for FORS.

6.2.4 DFS and FORS electronic tags submitted to Power Service shall: (1) identify the generation providing entity, (2) identify «Customer Name» as the load sink, (3) identify hourly energy amounts in MWh, and (4) maintain all data consistent with applicable industry standards.

 6.2.5 Power Services shall have the sole discretion to accept or deny DFS or FORS electronic tags that «Customer Name» submits to Power Services after the applicable Power Services’ timelines and scheduling deadline set forth in section 4.2 and 4.3 of this exhibit for DFS and section 2.4.4.1 in Exhibit D for FORS, regardless of the reason for the late submission, and regardless of submission method (electronic, verbal, fax, etc.)

6.2.6 Changes to tagged energy amounts required by the Balancing Authority for maintaining system reliability, as determined by the responsible Balancing Authority, shall be implemented by Power Services and «Customer Name» at the time of such notification by the Balancing Authority.

6.2.7 «Customer Name» shall be responsible for verifying that the sum of its hourly tagged and non-tagged energy amounts is equal to each of its DFS and FORS delivery schedule amounts.

**7. REVISIONS*(06/02/09 Version)***

BPA may unilaterally revise this exhibit:

(1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or

(2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA’s sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

*End Option 2*

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*Option 2: Include for customers served by served by Transfer Service:*

Exhibit F

**SCHEDULING**

*Option 1: Include for customers that are partially served by Transfer Service with NT service.*

**1. SCHEDULING FEDERAL POWER*(******09/17/12 Version)***

«Customer Name» shall be responsible for creating electronic tags for all amounts of Slice Output Energy purchased under this Agreement from the Scheduling Points of Receipt to their ultimate destination. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this exhibit.

If any electronic tags are required for of «Customer Name»’s Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement, then BPA shall be responsible for creating such electronic tags.

If any electronic tags are required for the portion of «Customer Name»’s load located outside the BPA Balancing Authority Area, scheduling and electronic tagging shall be performed in accordance with section 6 of this exhibit.

*End Option 1 for partial Transfer Service customers with NT*

*Option 2: Include for customers that are partially served by Transfer Service with Point-to-Point transmission service.*

**1. SCHEDULING FEDERAL POWER*(09/17/12 Version)***

«Customer Name» is responsible for creating electronic tags for all amounts of Slice Output Energy Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement, and serving a portion of «Customer Name»’s load located inside the BPA Balancing Authority Area, from the Scheduling Points of Receipt to their ultimate destination. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this exhibit.

If any electronic tags are required for «Customer Name»’s Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement serving a portion of «Customer Name»’s load located outside the BPA Balancing Authority Area, then BPA shall be responsible for creating such electronic tags.

For any portion of «Customer Name»’s load located outside the BPA Balancing Authority Area, scheduling and electronic tagging shall be performed in accordance with section 6 of this exhibit.

*End Option 2 for partial Transfer Service customers with PTP*

*Option 3: Include for customers that are entirely served by Transfer Service.*

**1. SCHEDULING FEDERAL POWER*(09/17/12 Version)***

«Customer Name» shall be responsible for creating electronic tags for the portion of «Customer Name»’s Slice Output Energy that is not applied to «Customer Name»’s load from the Scheduling Points of Receipt to its ultimate destination. «Customer Name» agrees to provide copies of such electronic tags to Power Services consistent with the requirements of this exhibit.

«Customer Name» shall be responsible for scheduling the portion of «Customer Name»’s Slice Output Energy that is applied to «Customer Name»’s load consistent with section 2.2 below and using the Integrated Scheduling Allocation After-the-Fact Calculation (ISAAC) Portal, or its successor. BPA shall be responsible for creating electronic tags associated with «Customer Name»’s Slice Output Energy that is applied to «Customer Name»’s load.

If any electronic tags are required for «Customer Name»’s Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement, then BPA shall be responsible for creating such electronic tags.

In addition, scheduling and electronic tagging shall be performed in accordance with section 6 of this exhibit.

*End Option 3 for full Transfer Service customers*

**2. COORDINATION REQUIREMENTS**

2.1 **Hourly Tier 1 and Tier 2 Block Amounts*(08/15/11 Version)***

Consistent with section 4 of the body of the Agreement and sections 1.3 and 2.5 of Exhibit C, BPA shall determine «Customer Name»’s hourly Tier 1 Block Amounts and Tier 2 Block Amounts for all hours of the upcoming Fiscal Year and shall provide «Customer Name» with such amounts at least five Business Days prior to October 1 of each Fiscal Year.

2.2 **Prescheduling*(09/17/12 Version)***

Except as otherwise stated in section 6 below, all preschedule electronic tags are due to Power Services in accordance with the parameters specified in section 4.3 of this exhibit.

*Option 1: Include the following for customers that partially served by Transfer Service customers (PTP or NT).*

2.3 **Real-Time Scheduling*(09/17/12 Version)***

«Customer Name» shall have the right to submit new or modified electronic tags associated with a change to scheduled deliveries of Slice Output Energy in real-time in accordance with the parameters specified in section 4 of this exhibit.

*End Option 1*

*Option 2: Include the following for customers that are entirely served by Transfer Service*

2.3 **Real-Time Scheduling*(09/17/12 Version)***

«Customer Name» shall coordinate any real‑time changes to scheduled deliveries to load served by federal power consistent with section 6.2 of this exhibit.

*End Option 2*

2.4 **After the Fact**

Power Services and «Customer Name» agree to reconcile all transactions, schedules and accounts at the end of each month (as early as possible within the first 10 calendar days of the next month). Power Services and «Customer Name» shall verify all transactions per this Agreement, as to product or type of service, hourly amounts, daily and monthly totals, and related charges.

**3. SLICE OUTPUT ENERGY SCHEDULING REQUIREMENTS*(08/15/08 Version)***

3.1 Schedule submissions to Power Services will primarily be via Power Services approved electronic methods, which may include specific interfaces. However, other Power Services’ agreed-upon submission methods (verbal, fax, etc.) are acceptable if electronic systems are temporarily not available. Transmission scheduling arrangements are handled under separate agreements/provisions with the designated transmission provider, and may not necessarily be the same requirements as Power Services’ scheduling arrangements.

3.2 Schedules of Slice Output Energy submitted to Power Services by «Customer Name» shall comply with Delivery Limits established in the Slice Computer Application.

3.3 The timeline within which Power Services shall approve or deny «Customer Name»’s Delivery Requests, as represented by «Customer Name»’s electronic tags, shall conform to Power Services’ then current preschedule and real-time scheduling guidelinesas specified in section 4 of this exhibit.

3.3.1 For the purpose of approving requests for deliveries of Slice Output Energy, Power Services shall approve electronic tags, as described in section 3.3.2 below, that «Customer Name» submits to Power Services consistent with section 3.2 above prior to the applicable Power Services scheduling deadline, as specified in section 4 of this exhibit.

3.3.2 Electronic tags submitted to Power Services shall: (1) identify BPA as the generation providing entity, (2) identify «Customer Name» as first downstream purchasing-selling entity, (3) identify hourly energy amounts in MWh, and (4) maintain all data consistent with applicable industry standards.

 3.3.3 Power Services shall have the sole discretion to accept or deny electronic tags that «Customer Name» submits to Power Services after the applicable Power Services’ scheduling deadline set forth in section 4 of this exhibit, regardless of the reason for the late submission, and regardless of submission method (electronic, verbal, fax, etc.).

3.3.4 Changes to tagged energy amounts required by the Balancing Authority for maintaining system reliability, as determined by the responsible Balancing Authority, shall be implemented by Power Services and «Customer Name» at the time of such notification by the Balancing Authority.

3.4 «Customer Name» shall be responsible for verifying the sum of its hourly tagged and non-tagged (e.g., transmission loss schedules, etc., that are not tagged) energy amounts is equal to its Delivery Request, as described in section 7 of Exhibit M, for each Scheduling Hour.

3.4.1 «Customer Name» shall have the right to submit adjusted Customer Inputs to Power Services, pursuant to section 4.1 of this exhibit, in order to alter the associated Simulated Output Energy Schedules within established Delivery Limits, such that «Customer Name»’s Delivery Request is made equal to the sum of its tagged and non-tagged energy amounts for each Scheduling Hour.

3.4.2 For each Scheduling Hour, the amount «Customer Name»’s hourly tagged and non-tagged energy amount is in excess of its Delivery Request shall be subject to the UAI Charge for energy, and the amount «Customer Name»’s hourly tagged and non-tagged energy amount is less than its Delivery Request shall be forfeited.

3.4.3 Electronic tag and Delivery Request mismatches that result from Balancing Authority reliability required actions shall not be subject to penalty if such required reliability action is implemented by the Balancing Authority less than 30 minutes prior to the start of the Scheduling Hour in which the mismatch occurs.

**4. SCHEDULING DEADLINES*(08/15/08 Version)***

4.1 **Customer Input and BOS Flex Submission Deadline*(12/22/21 Version)***

«Customer Name» shall have until 20 minutes prior to the start of each Scheduling Hour to submit revised Customer Inputs and BOS Flex requests to Power Services in order to affect the associated Delivery Request for each such Scheduling Hour. Power Services shall have the sole discretion to reject for any reason «Customer Name»’s Customer Inputs and BOS Flex requests associated with the upcoming Scheduling Hour that are submitted to Power Services after 20 minutes prior to the start of each such Scheduling Hour.

4.2 **Real-Time Electronic Tag Submission Deadline**

Power Services shall approve electronic tags, as described in section 3.3.2 of this exhibit, that are consistent with section 3.2 of this exhibit and submitted to Power Services by «Customer Name» prior to the Power Services’ scheduling deadline, which is 30 minutes prior to the start of each Scheduling Hour.

4.3 **Preschedule Electronic Tag Submissions**

Unless otherwise mutually agreed, all «Customer Name» preschedule electronic tags will be submitted to Power Services according to NERC instructions and deadlines for electronic tagging, as specified or modified by the Balancing Authority and WECC.

**5. SCHEDULING OF DEDICATED RESOURCES**

No later than 10 days following the end of each month, «Customer Name» agrees that it will electronically copy Power Services on all electronic tags that were created or modified during the previous month in association with the delivery of «Customer Name»’s Dedicated Resources, if any, listed in sections 2, 3, and 4 of Exhibit A.

*Option 1a: Include the following if customer has no scheduling requirements.*

**6. SPECIAL SCHEDULING PROVISIONS FOR TRANSFER CUSTOMERS*(08/15/11 Version)***

«Customer Name» currently has no scheduling obligations that are specific to «Customer Name»’s Transfer Service arrangements.

*End Option 1a*

*Option 1b: Include the following if customer is served by Transfer Service via a General Transfer Agreement (GTA) and currently has no deviation scheduling.*

**6. SPECIAL SCHEDULING PROVISIONS FOR TRANSFER CUSTOMERS*(09/17/12 Version)***

«Customer Name» shall submit all forecasts in this section 6 using the ISAAC Portal, or its successor.

6.1 «Customer Name» shall submit an hourly load forecast for load served by federal power to BPA by 0900 Pacific Prevailing Time the day(s) on which prescheduling occurs, as specified by WECC, for the portion of «Customer Name»’s load that is served outside the BPA Balancing Authority Area.

6.2 «Customer Name» may submit real-time changes to such hourly load forecast for load served by federal power no later than 30 minutes prior to the hour of delivery for the portion of «Customer Name»’s load served outside BPA’s Balancing Authority Area.

6.3 If «Customer Name»’s General Transfer Agreement No. ###### expires, then BPA shall replace this section 6 with provisions that are compatible with the service agreement between BPA and the Third Party Transmission Provider.

*End Option 1b*

*Option 1c: Include the following if customer is served by Transfer Service via a General Transfer Agreement (GTA) and does have deviation scheduling*

**6. SPECIAL SCHEDULING PROVISIONS FOR TRANSFER CUSTOMERS*(09/17/12 Version)***

«Customer Name» shall submit all schedules and forecasts in this section 6 using the Integrated Scheduling Allocation After-the-Fact Calculation (ISAAC) Portal, or its successor.

6.1 **Resources Applied to Load Served by Transfer Service*(09/17/12 Version)***

For purposes of serving Transfer Service load located outside of the BPA Balancing Authority Area, «Customer Name» shall apply Tier 1 Block Amounts and Tier 2 Block Amounts purchased under this Agreement, or any non-federal resources that are listed in sections 2, 3, 4, 7.1, 7.3 or 7.4 of Exhibit A to the portion of «Customer Name»’s load served outside the BPA Balancing Authority Area. «Customer Name» may only apply non-federal resources to load served by Transfer Service provided that such application is consistent with section 14.6.7 of the body of this Agreement and Exhibit G, and provided that the Parties have executed a Transfer Service Support for Non-Federal Resources Agreement (TSSA), and a network resource exhibit within such, that supports the delivery of the specific non-federal resource(s) across the Third Party Transmission Provider’s transmission system.

6.2 **Development of Power Schedules*(09/17/12 Version)***

6.2.1 «Customer Name» shall submit an hourly forecast of the portion of «Customer Name»’s load that is served outside the BPA Balancing Authority Area and that is not served by a non‑federal resource to BPA by 0900 Pacific Prevailing Time the day(s) on which prescheduling occurs, as specified by WECC.

6.2.2 «Customer Name» shall create all electronic tags necessary for delivery of non-federal power to the portion of «Customer Name»’s load that is served outside the BPA Balancing Authority Area.

6.2.3 «Customer Name»’s schedules and electronic tags for the portion of its load served outside the BPA Balancing Authority Area shall represent «Customer Name»’s best available forecast of the load.

6.3 **Deviation Scheduling**

6.3.1 No later than the fifth Business Day of each month BPA shall notify «Customer Name» of the current deviation balance for «Customer Name» loads served by Transfer Service. In such deviation balance, BPA shall identify separate deviation balances for HLH and LLH for the accrued deviation through the previous month. Such deviation balance shall be based on «Customer Name»’s metered loads served by Transfer Service, including losses, and both federal and non‑federal deliveries to such loads, as well as outstanding deviation balances from previous months, if any.

6.3.2 No later than the tenth Business Day of each month, «Customer Name» shall submit to BPA an hourly deviation return schedule. In such hourly deviation return schedule, «Customer Name» shall:

(1) for both HLH and LLH, identify whether the deviation schedule is to account for energy owed to the Third Party Transfer Service Provider or energy owed to «Customer Name»;

(2) schedule the return of the entire deviation balance. The deviation balance in HLH shall be returned in HLH and the deviation balance in LLH shall be returned in LLH;

(3) ensure such schedule is as flat as possible over the hours remaining in the month; and

1. ensure deviation return is no greater than 5 megawatts in any hour.

6.3.3 If it is impossible for «Customer Name» to meet all the requirements of section 6.3.2(1) through section 6.3.2(4) above due to the amount of accrued deviation and the number of hours remaining in the month, then the Parties shall work together to establish a mutually agreeable hourly deviation return schedule.

*End Option 1c*

*Option 1d: Include the following for customers served by Transfer Service via an OATT*

**6. SPECIAL SCHEDULING PROVISIONS FOR TRANSFER CUSTOMERS*(09/17/12 Version)***

6.1 **Resources Applied to Load Served by Transfer Service*(09/17/12 Version)***

For purposes of serving Transfer Service load located outside of the BPA Balancing Authority Area, «Customer Name» shall apply Slice Output Energy purchased under this Agreement or any non-federal resources that are listed in sections 2, 3, 4, 7.1, 7.3, or 7.4 of Exhibit A to the portion of «Customer Name»’s load served outside the BPA Balancing Authority Area. «Customer Name» may only apply non‑federal resources to the portion of load served by Transfer Service provided that such application is consistent with section 14.6.7 of the body of this Agreement and Exhibit G and provided that the Parties have executed a Transfer Service Support for Non‑Federal Resources Agreement (TSSA), and a network resource exhibit within such, that supports the delivery of the specific non‑federal resource(s) across the Third Party Transmission Provider’s transmission system.

However, if the portion of «Customer Name»’s load that is served inside the BPA Balancing Authority Area is less than «Customer Name»’s entire Tier 1 Block Amounts and Tier 2 Block Amounts in any hour, then «Customer Name» may, consistent with section 6.2.3 below, apply Tier 1 Block Amounts and Tier 2 Block Amounts to load served by Transfer Service.

6.2 **Development of Power Schedules*(09/17/12 Version)***

6.2.1 «Customer Name»’s schedules and electronic tags for the portion of its load served outside the BPA Balancing Authority Area shall represent «Customer Name»’s best available forecast of the load and shall be compliant with the applicable Third Party Transmission Provider’s most current Open Access Transmission Tariff.

6.2.2 If «Customer Name»’s forecast of its load outside the BPA Balancing Authority Area exceeds BPA’s rights to firm transmission over the Third Party Transmission Provider’s system, «Customer Name» shall notify BPA and the Parties shall coordinate to obtain the necessary additional Transfer Service from the Third Party Transmission Provider.

6.2.3 «Customer Name» shall submit all schedules and forecasts in this section 6.2.3 using the Integrated Scheduling Allocation After-the-Fact Calculation (ISAAC) Portal, or its successor. If «Customer Name» applies Tier 1 Block Amounts and Tier 2 Block Amounts to «Customer Name»’s load outside the BPA Balancing Authority Area pursuant to section 6.1 of this exhibit, then: (1) «Customer Name» shall notify BPA of the hourly amounts of Tier 1 Block Amounts and Tier 2 Block Amounts that «Customer Name» will apply to load served by Transfer Service by 0900 Pacific Prevailing Time the day(s) on which prescheduling occurs, as specified by WECC and (2) may not submit changes to such hourly load forecast in real-time.

6.2.4 During a transmission event, which may include a transmission curtailment or a planned transmission outage that affects service to the portion of «Customer Name»’s load that is served outside the BPA Balancing Authority Area, «Customer Name» shall use commercially reasonable efforts to resume full performance. During a transmission event that interrupts service to the portion of «Customer Name»’s load that is served outside the BPA Balancing Authority Area, «Customer Name» may use sources of power to meet such load other than the sources described in section 6.1 of this exhibit. In such event, the Parties shall coordinate to obtain the necessary Transfer Service from the Third Party Transmission Provider to cover the duration of a transmission event.

6.3 **Pass-Through Charges Under OATT Service**

If BPA receives a charge or credit from the Third Party Transmission Provider for energy imbalance, redispatch or unauthorized increase, then BPA shall charge or credit «Customer Name» accordingly for the energy imbalance, redispatch or unauthorized increase associated with the portion of «Customer Name»’s load served by Transfer Service. Such charges or credits will be based on any of «Customer Name»’s electronic tags serving remote loads, metered values for such remote loads, and the charges or credits BPA receives from the Third Party Transmission Provider. BPA shall reflect any charges or credits on «Customer Name»’s monthly bill.

*End Option 1d*

**7. SPECIAL SCHEDULING PROVISIONS FOR RSS*(08/15/11 Version)***

Because scheduling provisions for RSS for Slice/Block customers served by Transfer Service will be specific to the resource and situation, BPA shall add such provisions after an RSS election is made.

**8. REVISIONS*(06/02/09 Version)***

BPA may unilaterally revise this exhibit:

(1) to implement changes that BPA determines are necessary to allow it to meet its power scheduling obligations under this Agreement, or

(2) to comply with the prevailing industry practice and requirements, currently set by WECC, NAESB, or NERC, or their successors or assigns.

BPA shall provide a draft of any material revisions of this exhibit to «Customer Name», with a reasonable time for comment, prior to BPA providing written notice of the revision. Revisions are effective 45 days after BPA provides written notice of the revisions to «Customer Name» unless, in BPA’s sole judgment, less notice is necessary to comply with an emergency change to the requirements of the WECC, NAESB, NERC, or their successors or assigns. In this case, BPA shall specify the effective date of such revisions.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*Option 1: Include the following for customers not served by Transfer Service.*

Exhibit G

**THIS EXHIBIT INTENTIONALLY LEFT BLANK*(10/15/24 Version)***

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*End Option 1*

*Option 2: Include the following exhibit for customers served by Transfer Service.*

Exhibit G

**TERMS RELATED TO TRANSFER SERVICE*(12/19/24 Version)***

As provided by section 14.6.7 of the body of this Agreement, if «Customer Name» acquires a Transfer Service Eligible Resource, then BPA’s support and financial assistance to «Customer Name» shall be consistent with the terms and conditions in this exhibit.

**1. DEFINITIONS**

1.1 “Fiscal Year Transfer Cap” means the annual Average Megawatt cap described in section 2 of this exhibit. The Fiscal Year Transfer Cap establishes the limit under which BPA will provide financial support for Transfer Service to customers’ Network Resources.

1.2 “Initial Transfer Study Deposit” means the amount of dollars required by a Third-Party Transmission Provider to initiate a Transfer Study.

1.3 “Last Transfer Segment” means the transmission and/or distribution facilities of the Third-Party Transmission Provider that (1) interconnect directly to a customer’s transmission or distribution facilities, (2) interconnect to BPA transmission facilities that subsequently interconnect with a customer’s transmission or distribution facilities, or (3) for deliveries to Transfer PODs where BPA uses the facilities of multiple Third-Party Transmission Providers, as noted in Exhibit E, to deliver Firm Requirements Power from the Primary Points of Receipt to the required facilities of each of these Third-Party Transmission Providers.

1.4 “Market Purchase” means, for purposes of this Exhibit G, a power purchase or resource that a customer uses to displace a Network Resource.

1.5 “Network Load” shall have the meaning as defined in the Federal Energy Regulatory Commission’s (FERC’s) current pro forma Open Access Transmission Tariff (OATT), or its successor.

1.6 “Network Resource” have the meaning as defined in the current FERC pro forma OATT, or its successor. In addition, the term “Network Resource” means any Transfer Service Eligible Resource that has been acquired by a customer, for which the customer has begun the process of acquiring firm transmission to serve the customer transfer POD(s).

1.7 “Transfer Request” means the written notification by BPA to a Third-Party Transmission Provider to start the required process to accommodate new or modified Transfer Service.

1.8 “Transfer Study” means a system impact study, feasibility study, facilities study, or other such studies that may be required by a Third-Party Transmission Provider following submission of a Transfer Request.

**2. Established Caps and Limitations**

2.1 This section 2.1 shall not apply for any Transfer Service Eligible Resource: (1) serving a Planned NLSL or an NLSL pursuant to section 1 of Exhibit D, (2) serving a portion of «Customer Name»’s Total Retail Load that «Customer Name» is obligated to serve with BPA provided electric power pursuant to this Agreement or (3) that «Customer Name» is not acquiring and paying for transmission service from Transmission Services for that Transfer Service Eligible Resource. For all other Transfer Service Eligible Resources, BPA shall provide financial support for the transmission capacity associated with the Transfer Service Eligible Resource to all Transfer Service customers up to a maximum of 41 megawatts per Fiscal Year, cumulative over the duration of this Agreement. This cumulative megawatt limit is shown in the table below.

| **Fiscal Year** | **Per Year MW Limit** | **Cumulative MW Limit** |
| --- | --- | --- |
| FY 2029 | 41 | 41 |
| FY 2030 | 41 | 82 |
| FY 2031 | 41 | 123 |
| FY 2032 | 41 | 164 |
| FY 2033 | 41 | 205 |
| FY 2034 | 41 | 246 |
| FY 2035 | 41 | 287 |
| FY 2036 | 41 | 328 |
| FY 2037 | 41 | 369 |
| FY 2038 | 41 | 410 |
| FY 2039 | 41 | 451 |
| FY 2040 | 41 | 492 |
| FY 2041 | 41 | 533 |
| FY 2042 | 41 | 574 |
| FY 2043 | 41 | 615 |
| FY 2044 | 41 | 656 |

2.2Application of section 14.6.7 of the body of this Agreement and section 3.2 below shall be on a first come, first served basis in each year based on the date each request is received by BPA. Requests not met, in whole or in part, in any Fiscal Year will have priority over subsequent requests the following year. Once granted, BPA shall honor such request for the duration of the resource acquisition period, not to exceed the term of this Agreement.

**3. TRANSFER SERVICE FOR TRANSFER SERVICE ELIGIBLE RESOURCES**

The terms and conditions of this section 3 of Exhibit G are intended to serve as an enabling agreement under which BPA will offer specific terms for delivering Network Resources to «Customer Name»’s transfer POD(s), as identified in Exhibit E. Each Network Resource serving «Customer Name»’s transfer POD(s) will result in specific terms and conditions, negotiated by the Parties, and included in Exhibit J.

3.1 **Obtaining Transfer Service Support**

3.1.1 **Customer Application**

«Customer Name» shall have the right to request Transfer Service support over the Last Transfer Segment from BPA for the delivery of any Transfer Service Eligible Resource that «Customer Name» intends to acquire to serve its transfer POD(s), provided that such request shall be for service of at least one year in duration. «Customer Name»’s request shall comply with the requirements of this section 3.1 and shall be subject to the limitations of section 2 of this exhibit.

To request Transfer Service support from BPA for delivery of any Transfer Service Eligible Resource, «Customer Name» shall complete and submit to BPA the application form that BPA shall make available at a publicly accessible website.

Once «Customer Name» has submitted the application to BPA, «Customer Name» has begun the process of acquiring firm transmission for the Transfer Service Eligible Resource. From then on, the Transfer Service Eligible Resource will be referred to as a Network Resource. «Customer Name» shall submit its completed application form to BPA at least one year prior to the date «Customer Name» anticipates it will start receiving energy from its Network Resource. BPA will use this one-year period to acquire, if possible, firm transmission service for «Customer Name»’s Network Resource over the Last Transfer Segment.

On a case-by-case basis, BPA may, but is not obligated to, consider Transfer Service support requests to obtain firm transmission service for a Network Resource made less than one year prior to the date «Customer Name» anticipates it will start receiving energy from that Network Resource.

3.1.2 **BPA Notice and Completing Customer Application**

Within ten Business Days of BPA’s receipt of «Customer Name»’s application, BPA shall notify «Customer Name» as to the status of the application. Such notice shall inform «Customer Name» of the following: (1) whether the information provided in the submitted application form is sufficient for BPA to request firm transmission service for «Customer Name»’s Network Resource, (2) whether the amount of Transfer Service requested for «Customer Name»’s Network Resource exceeds, or partially exceeds, the current Fiscal Year Transfer Cap and (3) whether the amount of Transfer Service requested for «Customer Name»’s Network Resource exceeds, or partially exceeds BPA’s forecast of «Customer Name»’s minimum hourly load for their transfer POD(s).

If BPA determines the information in «Customer Name»’s application is insufficient, then BPA may ask «Customer Name» for additional information to support BPA’s efforts to secure firm transmission service. «Customer Name» shall provide BPA with the requested information within ten Business Days or within such time as the Parties may agree.

If «Customer Name»’s request exceeds or partially exceeds the current Fiscal Year Transfer Cap, then «Customer Name» shall notify BPA within ten Business Days after receipt of BPA’s notification whether «Customer Name» will withdraw or proceed with its application.

If «Customer Name»’s request exceeds or partially exceeds BPA’s forecast of their minimum hourly load for their transfer POD(s), then «Customer Name» shall revise their application within ten Business Days after receipt of BPA’s notification so that the Network Resource does not exceed or partially exceed their minimum load.

3.1.3 **Obtaining Firm Transmission Service**

Once the Parties have completed the requirements in sections 3.1.1 and 3.1.2 above, BPA shall pursue designation of the Network Resource and request firm transmission service from the Third-Party Transmission Provider. If the Third-Party Transmission Provider requests from BPA more information than «Customer Name» provided in its completed application form, then the Parties shall obtain and provide such information to the Third-Party Transmission Provider within ten Business Days of the Third-Party Transmission Provider’s request.

If the Third-Party Transmission Provider indicates that studies are, or construction may be, required to provide firm transmission service for «Customer Name»’s Network Resource, then BPA shall notify «Customer Name» of such studies or construction requirements. If, based on such studies or construction, «Customer Name» chooses to withdraw its request, then «Customer Name» shall notify BPA within five Business Days of receiving notice from BPA of such requirements. If no notice of withdrawal is received, then BPA shall proceed with firm transmission service acquisition for «Customer Name»’s Network Resource and «Customer Name» shall reimburse BPA for all costs the Third-Party Transmission Provider charges to BPA.

BPA shall make reasonable efforts to coordinate with «Customer Name» and the Third-Party Transmission Provider to complete the firm transmission service acquisition process as described in this section 3.1.3.

3.1.4 **Unavailable Firm Transmission Service for a Network Resource**

If the Third-Party Transmission Provider has not agreed to provide firm transmission services for «Customer Name»’s Network Resource within the requested timeframe, then BPA shall not be liable to «Customer Name» for any costs or penalties «Customer Name» may incur associated with the lack of firm transmission service. Further, BPA shall not be obligated to obtain Transfer Service for such resource.

«Customer Name» shall reimburse BPA for any costs assessed by the Third-Party Transmission Provider regarding «Customer Name»’s request for Transfer Service support, regardless of whether firm transmission service is obtained for «Customer Name»’s Network Resource.

3.2 **Parties’ Payment Obligations**

Once BPA has obtained firm transmission service for «Customer Name»’s Network Resource from the Third-Party Transmission Provider, the Parties shall be responsible for costs as follows:

3.2.1 **Customer Obligations**

«Customer Name» shall be responsible for acquiring firm transmission service, and paying for all costs associated with such firm transmission service, necessary to deliver the Network Resource across all intervening transmission systems to the Last Transfer Segment (delivered to the point of receipt on the Third-Party Transmission Provider’s system). These costs include, but are not limited to, all costs related to transmission, system impact studies, facilities studies, interconnection studies, generation imbalance, and any ongoing costs associated with the «Customer Name»’s Network Resource interconnection.

3.2.2 **BPA Obligations**

BPA’s obligation to acquire and pay for the Transfer Service costs pursuant to section 14.6 of the body of this Agreement for «Customer Name»’s Transfer Service Eligible Resources is limited to Network Resources delivered over the Last Transfer Segment.

BPA shall have no obligation to acquire or pay for Transfer Service for Transfer Service Eligible Resources if the Parties have not agreed to include such Transfer Service Eligible Resource and the applicable terms and conditions in the Network Resource section of Exhibit J.

3.2.3 **Customer** **Obligation to Reimburse BPA**

BPA shall pass through to «Customer Name» certain Transfer Service costs associated with any Network Resource pursuant to this exhibit and section 14.6 of the body of this Agreement, and stated in the Network Resource section of Exhibit J.

3.2.3.1 **Pass Through of Network Resource Specific Ancillary Services and Other Costs**

BPA shall pass through to «Customer Name» any costs of ancillary services associated with Transfer Service for «Customer Name»’s Network Resource(s).

BPA shall also pass through to «Customer Name» the costs of all other transmission services for Network Resource deliveries including, but not limited to: redispatch, congestion management costs, costs associated with adding the Transfer Service Eligible Resource generation as a Network Resource, any costs associated with generation interconnection, direct assigned system upgrades, and distribution and low-voltage charges, if applicable.

Such pass through of costs shall be set forth in the Network Resource section of Exhibit J.

3.2.4 **Reimbursement of** **Transfer Costs Above Fiscal Transfer Year Cap**

If BPA’s Fiscal Year Transfer Cap is fully or partially exceeded and «Customer Name» elects to have BPA obtain firm transmission service for «Customer Name»’s Network Resource pursuant to section 3.1.2 of this exhibit, then BPA shall pass through to «Customer Name» all charges assessed by the Third-Party Transmission Provider associated with the delivery of that portion of «Customer Name»’s Network Resource which exceeds the Fiscal Year Transfer Cap. «Customer Name»’s reimbursement of costs shall continue until such time as the Fiscal Year Transfer Cap increases and all of «Customer Name»’s Network Resources may be accommodated under the Fiscal Year Transfer Cap, as described in section 2.2 of this exhibit.

3.3 **Network Resource Section of Exhibit J**

Consistent with the requirements of this exhibit, the Parties shall include the details and any additional terms and conditions of Transfer Service for each Network Resource that «Customer Name» is using to serve its transfer POD(s) in the Network Resource section of Exhibit J.

3.3.1 **Requirements for** **Adding the Network Resource to the Network Resource to Section of Exhibit J**

Once «Customer Name»’s Network Resource has acquired firm transmission from the Third-Party Transmission Provider, the Parties shall revise the Network Resource section of Exhibit J to add resource-specific information regarding charges, terms and conditions for the delivery of «Customer Name»’s Network Resource. Including the cost responsibilities for delivering the Network Resource.

3.3.2 **Revisions to «Customer Name»’s Network Resource**

If any information for «Customer Name»’s Network Resource in the Network Resource section of Exhibit J changes at any time during the term of this Agreement, the Party that is aware of such change shall notify the other Party. The Parties shall revise the information for «Customer Name»’s Network Resource consistent with the change. Such information may require additional changes to the designation of the Network Resource and may result in a new Transfer Request.

3.4 **Other Requirements of «Customer Name» and Limitation on Network Resources**

3.4.1 **Hourly Transfer Service Limit**

«Customer Name»’s hourly right to Transfer Service for the Network Resource(s) shall not exceed «Customer Name»’s transfer POD(s) on any hour.

3.4.2 **Resource Removal**

BPA shall not obtain or pay for Transfer Service for that portion of «Customer Name»’s Network Resource, or a former Network Resource, that has been removed pursuant to section 10 of the body of this Agreement. If a Network Resource has been removed or is no longer being used to serve «Customer Name»’s transfer POD(s), then BPA may permanently or temporarily undesignate such Network Resource.

3.4.3 **Generation Metering Requirements**

«Customer Name» shall ensure that any Network Resource that is a Generating Resource meets the metering requirements specified in section 15 of the body of this Agreement and any metering requirements of the generation host Balancing Authority and the Third-Party Transmission Provider.

3.4.4 **Scheduling Requirements**

«Customer Name» shall be responsible for managing its Network Resource consistent with Exhibit F, Transmission Scheduling Service.

3.5. **Undesignation of Network Resource**

After BPA has obtained Network Resource designation for «Customer Name»’s Transfer Service Eligible Resource from the Third-Party Transmission Provider, BPA shall not undesignate such Network Resource except pursuant to section 3.4.2 of this exhibit or for the purposes of accommodating «Customer Name»’s load growth planning. Such undesignation and any subsequent designation shall be consistent with Exhibit A and section 3.1 of this exhibit.

Following any undesignation of a Network Resource, the Parties shall revise the Network Resource section of Exhibit J to reflect such undesignation.

3.6 **Market Purchases**

After BPA has obtained firm transmission service for «Customer Name»’s designated Network Resource, «Customer Name» may use a Market Purchase to displace the designated Network Resource, which BPA shall schedule on secondary network service, provided that:

(1) such Market Purchase is only scheduled in preschedule and not modified in real time, consistent with section 4.1 of Exhibit F, and such Market Purchase is at least one calendar day in duration;

(2) the megawatt amount of the Market Purchase does not exceed the amount of the Network Resource that «Customer Name» would have scheduled to its load;

(3) «Customer Name» does not, under any circumstances, remarket its Network Resource or perform any other operation that would cause BPA to be in violation of its obligations under the Third-Party Transmission Provider’s OATT;

(4) «Customer Name» is responsible for acquiring transmission service, and paying for the costs associated with such transmission service, necessary to deliver the Market Purchase to the Last Transfer Segment. These costs include, but are not limited to, any additional energy imbalance, redispatch, and unauthorized increase charges (UAI charges) that result from a transmission curtailment that impacts the resulting secondary network schedule; and,

(5) all cost obligations described in section 3.2 of this exhibit shall apply to such Market Purchase(s).

If «Customer Name» violates any of the criteria listed above, BPA shall immediately cease obtaining Transfer Service for «Customer Name» for purposes of displacing «Customer Name»’s Network Resource(s) with Market Purchases. Such prohibition shall apply to all Network Resources listed in the Network Resource section of Exhibit J, and the prohibition shall continue for the remaining term of this Agreement. BPA shall pass through to «Customer Name» all penalties, or other assessed costs, that result from «Customer Name» violating the conditions of this section 3 of the exhibit and the Network Resource section of Exhibit J.

3.7 **Transfer Service Using Non-OATT Agreements**

When BPA provides Transfer Service to «Customer Name» pursuant to a non-OATT agreement, and notwithstanding the OATT-specific definitions, descriptions and procedures defined in this exhibit, BPA shall, at its sole discretion, determine the appropriate Transfer Service arrangement for «Customer Name»’s Network Resource. In such instance, «Customer Name»’s Transfer Service Eligible Resource shall have characteristics comparable to a Network Resource, and «Customer Name» shall comply with the timelines and information sharing requirements described in section 3.1 of this exhibit and shall be responsible for direct payment and pass through costs on an equivalent basis to what is described in section 3.2 of this exhibit.

3.8 **Duties of Cooperation**

The Parties shall cooperate to establish the necessary protocols, provisions, and other arrangements that are reasonably necessary to:

(1) manage any particular characteristic of «Customer Name»’s Network Resource(s), and

(2) ensure that BPA is able to meet its obligations to the Third-Party Transmission Provider as set out in the applicable transmission service contract. Such necessary protocols, provisions and other arrangements may be reflected in the Network Resource section of Exhibit J.

Requests by either Party for expedited provision of information shall not be unreasonably denied.

**4. TERMS AND CONDITIONS FOR ACQUIRING NEW OR MODIFIED TRANSFER SERVICE**

4.1 **BPA’s Agreement to Pursue New or Modified Transfer Service**

4.1.1 «Customer Name» may request that BPA submit a Transfer Request to a Third-Party Transmission Provider. BPA will consult with «Customer Name» to determine the information needed to submit that Transfer Request. The Parties will confirm, in writing, their intent to pursue a Transfer Study, if required, including the information to be included in the Transfer Request and the amount of the Initial Transfer Study Deposit. Within 30 days after the Parties consult, BPA shall submit a Transfer Request to the Third-Party Transmission Provider based on the information provided.

4.1.2 If the Third-Party Transmission Provider requests more information than BPA provided in the Transfer Request, then the Parties shall obtain and provide such information to the Third-Party Transmission Provider within ten Business Days of the Third-Party Transmission Provider’s request.

If the Third-Party Transmission Provider indicates that a Transfer Study is required, then BPA shall notify «Customer Name» of such study. If, based on such Transfer Study requirement «Customer Name» chooses to withdraw its request, then «Customer Name» shall notify BPA within five Business Days of receiving notice from BPA of such requirements. If no notice of withdrawal is received, then BPA shall continue to proceed with the Transfer Study. If «Customer Name» indicates it does not wish to proceed, then BPA will withdraw the Transfer Request from the Third-Party Transmission Provider.

4.1.3 BPA shall initially pay the Third-Party Transmission Provider for all costs associated with the Transfer Request or the Transfer Study. BPA shall pass through all such costs to «Customer Name», subject to the limitations set forth in section 4.2 below.

4.1.4 BPA’s obligations under this section 4 are limited to submitting a Transfer Request to, or requesting a Transfer Study from, a Third-Party Transmission Provider and initially incurring any costs associated with such requests. BPA shall not be held liable to «Customer Name» for any acts, omissions or failures by the Third-Party Transmission Provider related to any Transfer Requests or Transfer Studies. BPA shall not be required to take any further action as a result of this section 4, including but not limited to any of the following:

(1) renewing or modifying the Transfer Service agreement between BPA and the Third-Party Transmission Provider;

(2) negotiating or entering into a new transmission arrangement between BPA and the Third-Party Transmission Provider;

(3) agreeing to or incurring costs associated with any construction, upgrades, or other improvements to «Customer Name»’s, BPA’s, or the Third-Party Transmission Provider’s facilities. The Parties will revise Exhibit D to include term and conditions associated with any direct assignment of such costs.

4.1.5 If, for any reason, the Third-Party Transmission Provider requires BPA to agree to any of the above actions identified in section 4.1.4 above, then BPA may withdraw the Transfer Request and terminate the Transfer Study immediately after providing «Customer Name» notice of its intent to do so.

4.2 **Coordination of Costs Beyond the Initial Transfer Study Deposit**

As stated in section 4.1.3 of this exhibit, BPA shall pass through to «Customer Name» all costs associated with a Transfer Request or Transfer Study. BPA shall notify and request confirmation related to a Transfer Request or Transfer Study from «Customer Name» pursuant to the notification provisions of section 4.2.2 below.

4.2.2 If BPA is notified that the costs associated with a Transfer Request or Transfer Study are likely to exceed the Initial Transfer Study Deposit, prior to BPA taking any action that would result in BPA incurring costs that exceed the Initial Transfer Study Deposit, BPA will request confirmation and notice from «Customer Name» to determine if «Customer Name» would like to proceed. BPA will notify «Customer Name» in writing as soon as practicable following notice of such additional costs from the Third-Party Transmission Provider. If such costs are not known, then the following additional provisions shall apply:

(1) BPA may request an estimate of such costs from the Third-Party Transmission Provider and provide that estimate to «Customer Name»; or

(2) BPA may estimate the amounts of such costs and provide those amounts to «Customer Name».

Estimates under sections 4.2.2(1) and 4.2.2(2) above, if any, shall not be binding on BPA and shall not alleviate «Customer Name» from paying or reimbursing BPA for the final actual costs.

4.2.3 «Customer Name» must notify BPA in writing by the date specified by BPA in the notice in section 4.2.2 of this exhibit (which shall not be less than seven Business Days) regarding whether BPA should or should not agree to or incur such costs.

1. If BPA receives a timely notice as stated in section 4.2.3 in which «Customer Name» requests BPA to incur the costs identified in a notice as stated in section 4.2.2, then BPA will incur the costs.

(2) If BPA receives a timely notice as stated in section 4.2.3 of this exhibit in which «Customer Name» requests BPA to not incur a cost identified in a notice as stated in section 4.2.2 of this exhibit, then: (A) BPA will not agree to or incur such costs; and (B) BPA shall have the right to immediately withdraw the Transfer Request and terminate the Transfer Study process.

(3) If BPA does not receive a timely notice as stated in section 4.2.2 of this exhibit, then BPA shall have the right to continue the Transfer Study process and pass through the additional costs to «Customer Name».

**5.** **REVISIONS**

Revisions to this Exhibit G shall be by mutual agreement of the Parties**.**

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

*End Option 2*

Exhibit H

**RENEWABLE ENERGY CERTIFICATES AND ENVIRONMENTAL ATTRIBUTES *(12/18/24 Version)***

**1. PURPOSE AND INTENT; DISCLAIMER**

The Parties acknowledge that: different jurisdictions, regulatory programs, and entities (federal, state, county, cities, and others) have different definitions for environmental attributes, renewable energy credits/certificates, emissions credits, and similar instruments; the various jurisdictions, programs, and entities are inconsistent in how they define and address these concepts; and these concepts are continually evolving. Accordingly, BPA makes no representations or warranties of any kind regarding the definition, or nature of, the environmental attributes, renewable energy credits/certificates, emissions credits, or similar instruments conveyed herein, and BPA does not represent or warrant that any of these items are suitable for a particular purpose or regulatory program. Whatever the regulatorily-defined environmental characteristics are of the power that customers buy from BPA, the purpose and intent of this Exhibit H is to implement section 7 of the Provider of Choice Policy by conveying to «Customer Name», in accordance with this Exhibit H, all Environmental Attributes, if any, and to the extent they exist, commensurate with the physical amount of power they buy. Section 3 below accomplishes this by BPA: (1) agreeing to register applicable generation, (2) providing for the creation of an Environmental Attribute Accounting Process, (3) producing Inventories of RECs based on power generated, and (4) committing to provide, for customers’ use, an emissions accounting and non-emitting generation accounting.

**2. DEFINITIONS**

2.1 “Attribute Pools” means the results calculated in the Environmental Attribute Accounting Process whereby the physical resources and forecasted power deliveries associated with each of BPA’s rates and firm power obligations are determined for the upcoming Rate Period.

2.2 “Emissions Allowance” means an authorization in a given jurisdiction to emit a specified amount of carbon dioxide equivalent or other measurement of greenhouse gases, and documented as an emissions credit, certificate, or similar instrument.

2.3 “Environmental Attribute Accounting Process” means the public process BPA will conduct each Rate Case Year, after the conclusion of each routine power rate 7(i) Process, during which the allocation methodology and Attribute Pools for BPA’s Environmental Attributes for the upcoming Rate Period will be determined.

2.4 “Environmental Attributes” means the environmental characteristics of power, however titled and arising under any federal, state, or local law or regulation, including but not limited to current or future certificates, credits, benefits, and avoided emissions attributable to the generation of energy from a resource. Environmental Attributes do not include the tax credits associated with such resource. One megawatt‑hour of energy generation from a resource is associated with one megawatt‑hour of Environmental Attributes.

2.5 “Inventory” or “Inventories” means the Environmental Attributes, including RECs, that are attributable to the output of generation resources, by Attribute Pool(s).

2.6 “Renewable Energy Certificates” or “Renewable Energy Credits” or “RECs”means the tradeable certificates, credits, documentation, or other evidence that demonstrates: (1) that the electricity was generated from a renewable energy generating unit and (2) proof of ownership of such generated electricity in a REC tracking system. Some jurisdictions may interpret a REC to include the Environmental Attributes of energy. One megawatt-hour of energy generation from a resource registered with the tracking system under section 5 is associated with one REC.

2.7 “Retire” or “Retirement” means an action taken to remove a REC from circulation within a REC tracking system.

**3. ENVIRONMENTAL ATTRIBUTE INVENTORY AND ACCOUNTING**

As described in section 1 of this exhibit, Environmental Attributes are defined by various jurisdictions. The Parties acknowledge that the Environmental Attribute accounting outlined below will be provided consistent with physical deliveries of power.

3.1 **Registration of Renewable Energy Generating Units**

BPA shall take all reasonable steps to register the applicable renewable energy generating units in BPA’s system mix, including any hydro resources, with the tracking system selected under section 5 of this Exhibit H.

3.2 **Environmental Attribute Accounting Process**

Starting after issuance of the Final ROD of the BP-29 power rate 7(i) Process, and after the issuance of the Final ROD in each subsequent routine power rate 7(i) Process thereafter through the term of the Agreement, BPA shall conduct an Environmental Attribute Accounting Process for each upcoming Rate Period.

3.3 **REC Inventory Accounting**

No later than April 15, 2030, and by each April 15 over the remaining term of this Agreement, BPA shall calculate its Inventory for RECs for each Attribute Pool created during the prior calendar year from the applicable Environmental Attribute Accounting Process for the applicable Rate Period.

3.4 **Emission Accounting**

No later than June 1, 2029 and by each June thereafter, and as an outcome of the Environmental Attribute Accounting Process, BPA will provide emission accounting information and, if applicable, will provide such information consistent with state rules.

3.5 **Non-Emitting Electric Generation Accounting**

No later than June 1, 2029 and by each June thereafter, and as an outcome of the Environmental Attribute Accounting Process, BPA will provide non-emitting electric generation accounting information and, if applicable, will provide such information consistent with state rules.

**4. CUSTOMER’S SHARE OF RECS**

*Drafter’s Note: Include the following paragraph for customers that had a Regional Dialogue CHWM Contract.*

All capitalized terms used in this paragraph and the related underlying processes described in this paragraph shall be as defined, determined and calculated under «Customer Name»’s Regional Dialogue CHWM Contract. By April 15, 2029, BPA shall transfer to «Customer Name» or manage a pro rata share of Available Tier 1 RECs from calendar year 2028 based on «Customer Name»’s FY 2028 RHWM divided by the total FY 2028 RHWMs of all customers with Regional Dialogue CHWM Contracts. BPA shall also transfer to «Customer Name» its share of Tier 2 RECs, if applicable, generated during calendar year 2028. «Customer Name» agrees that its REC transfer or management election (WREGIS, WREGIS subaccount, or remarketing) for Fiscal Year 2028 shall apply for all calendar year 2028.

*End option.*

By April 15, 2030, and by each April 15 over the remaining term of this Agreement, BPA shall determine «Customer Name»’s share of RECs as a pro rata share of the actual megawatt hours of power «Customer Name» purchased from BPA the prior calendar year under this Agreement. «Customer Name»’s pro rata share of each Inventory of RECs shall be calculated as the actual megawatt hours of power «Customer Name» purchased from BPA under this Agreement during the prior calendar year in the applicable Attribute Pool divided by the sum of all power purchased from BPA for the applicable Attribute Pool.

**5. TRANSFER AND TRACKING OF RECS**

By December 1, 2029, «Customer Name» shall provide written notice to BPA stating which one of the three options below it elects for the transfer of «Customer Name»’s share of RECs, for the remaining term of the Agreement. However, «Customer Name» may change its transfer election for the remaining term of the Agreement by providing written notice to BPA of such change by December 1, 2030 or by any December 1 over the remaining term of the Agreement.

(1) BPA shall transfer «Customer Name»’s share of RECs into «Customer Name»’s own WREGIS account, which shall be established by «Customer Name»; or

(2) BPA shall transfer «Customer Name»’s share of RECs into a BPA-managed WREGIS subaccount. Such subaccount shall be established by BPA on «Customer Name»’s behalf and the terms and conditions of which shall be determined by the Parties in a separate agreement; or

(3) BPA shall transfer «Customer Name»’s share of RECs into a third party-managed WREGIS account. «Customer Name» shall notify BPA of the third-party WREGIS account number in its notice provided pursuant to this section 5.

By April 15, 2030, and by each April 15 over the remaining term of this Agreement, BPA shall transfer «Customer Name»’s share of RECs from the prior calendar year to «Customer Name» via WREGIS in accordance with its transfer election.

If «Customer Name»’s WREGIS account number has changed, then «Customer Name» shall notify BPA of such change by December 1, 2028 and by each December 1 over the remaining term of this Agreement.

All references to WREGIS in this Exhibit H should be understood to mean WREGIS or a comparable commercial tracking system. BPA may change commercial tracking systems with reasonable advance notice to «Customer Name». In such case, the Parties shall establish a comparable process for BPA to provide «Customer Name» its share of RECs.

**6. FEES**

BPA shall pay any reasonable fees associated with: (1) the transfer of «Customer Name»’s RECs into any WREGIS account or WREGIS subaccount and (2) the establishment of any WREGIS subaccounts in «Customer Name»’s name pursuant to section 5 of this exhibit. «Customer Name» shall pay all other fees associated with any WREGIS or successor commercial tracking system, including WREGIS Retirement, reserve, and export fees.

**7. EMISSION ALLOWANCES**

7.1 **BPA Compliance with Emission Allowance Program(s)**

If over the term of this Agreement BPA incurs an emissions compliance obligation placed on electricity importers that provide power to «Customer Name»’s service territory, and if based on that compliance program:

(1) BPA is obligated to obtain Emission Allowances sufficient to cover power purchased under this Agreement to «Customer Name», and

(2) «Customer Name» is eligible to receive Emission Allowances at no cost from «Customer Name»’s applicable jurisdiction and which can be used directly for compliance,

then «Customer Name» shall transfer, or otherwise provide, Emission Allowances to BPA on the schedule and in the amount agreed to by BPA and «Customer Name» that is sufficient to satisfy BPA’s compliance obligations that arise in order to serve «Customer Name»’s load in its state.

The Parties shall revise section 7.2 below to include the specific terms and conditions, such as the calculation of the Emission Allowances to be transferred, and cost responsibilities, if any, associated with the transfer of Emission Allowances to BPA.

If «Customer Name» elects to not revise this Exhibit H to include applicable special provisions in section 7.2 below, then BPA shall apply and «Customer Name» shall pay the applicable Emissions Allowance costs through charges established in the BPA Wholesale Power Rate Schedules and GRSPs.

7.2 **Transfer of Emission Allowances to BPA**

Placeholder for special provisions.

*Drafter’s Note: Include the following for customers with a BPA-managed WREGIS subaccount.*

**8. TERMS AND CONDITIONS OF CUSTOMER’S WREGIS SUBACCOUNT**

8.1 **Establishment of WREGIS Subaccount**

In accordance with «Customer Name»’s election under section 5(2) above , BPA shall establish a subaccount in «Customer Name»’s name within BPA’s WREGIS account. BPA shall provide «Customer Name» read‑only access to its subaccount.

BPA shall use such subaccount for the purposes of administering the provisions of this Agreement related to RECs that «Customer Name» receives from BPA.

«Customer Name» gives its consent to be bound by the terms stated in the WREGIS Account Holder Registration Agreement, also referred to as the WREGIS Terms of Use (WREGIS TOU) Agreement, executed by BPA and including any revisions. BPA shall provide «Customer Name» a copy of the executed WREGIS TOU Agreement upon request.

8.2 **Transfer of RECs to Customer’s WREGIS Subaccount**

BPA shall transfer «Customer Name»’s share of RECs to «Customer Name»’s WREGIS subaccount pursuant to the timeline established in section 5 above.

8.3 **Resale, Purchase, and Retirement of RECs**

If «Customer Name» wants to sell RECs received from BPA or purchase RECs other than those RECs it receives from BPA, then «Customer Name» shall request that BPA terminate its WREGIS subaccount pursuant to section 8.5 below and «Customer Name» shall establish its own WREGIS account.

Upon receipt of written notice from «Customer Name» of RECs «Customer Name» wants BPA to Retire, BPA shall Retire «Customer Name»’s RECs on its behalf. In such Retirement notice, «Customer Name» shall identify REC quantity, the name of the renewable project(s) which generated the RECs, and the month and year the RECs were generated by the project(s).

8.4 **WREGIS Subaccount Fees**

BPA shall pay the fees associated with «Customer Name»’s WREGIS subaccount consistent with section 5 of this exhibit. BPA shall pass through and «Customer Name» shall reimburse BPA for all other fees associated with «Customer Name»’s WREGIS subaccount including but not limited to any REC Retirement fees. «Customer Name» shall be responsible for all WREGIS fees incurred from the termination of its WREGIS subaccount, and «Customer Name» shall pay all fees associated with establishment of its own WREGIS account.

8.5 **Termination of Customer’s WREGIS Subaccount**

Either Party may terminate «Customer Name»’s WREGIS subaccount after providing written notice to the other Party.

BPA shall not terminate «Customer Name»’s WREGIS subaccount until (1) «Customer Name» has established its own WREGIS account or «Customer Name» has arranged for its RECs to be handled by a third party and (2) BPA has received written notice from «Customer Name» to transfer 100 percent of «Customer Name»’s RECs into «Customer Name»’s own WREGIS account or a third-party WREGIS account. After BPA has transferred «Customer Name»’s RECs from its WREGIS subaccount to «Customer Name»’s new WREGIS account or a third party WREGIS account, «Customer Name» may not have both a WREGIS account and a WREGIS subaccount open at the same time.

Unless otherwise agreed by the Parties, if «Customer Name» asks BPA to terminate its WREGIS subaccount, then BPA shall not establish another WREGIS subaccount for «Customer Name» for the remaining term of this Agreement.

*End WREGIS Subaccount Option*

**«#». REVISIONS**

BPA may unilaterally revise this exhibit:

(1) to add or remove the terms and conditions of «Customer Name»’s WREGIS subaccount following either «Customer Name»’s election of a WREGIS subaccount pursuant to section 5 of this exhibit or either Party’s notice for termination of a WREGIS subaccount; and

(2) to incorporate any significant edits related to a change to the commercial tracking system, pursuant to the last paragraph of section 5 of this exhibit.

All other changes require mutual agreement.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

Exhibit I

**NOTICES AND CONTACT INFORMATION*(12/11/24 Version)***

**1.** **NOTICES AND CONTACT INFORMATION**

1.1 **Notices**

Any notice required under this Agreement that requires such notice to be provided under the terms of this section shall be provided in writing to the other Party in one of the following ways:

(1) delivered in person;

(2) by a nationally recognized delivery service with proof of receipt;

(3) by United States Certified Mail with return receipt requested;

(4) electronically, with verification of the electronic notice’s origin, date, time of transmittal and receipt; or

(5) by another method agreed to by the Parties.

Notices are effective when received.

1.2 **Contact Information**

The Parties shall deliver notices to the following people and address(es):

*Reviewer’s Note: Customers can work with their Account Executives at contract offer and over the term of the Agreement to add additional customer contacts to this section, if necessary.*

|  |  |
| --- | --- |
| **If to «Customer Name»:**«Utility Name»«Street Address»«P.O. Box »«City, State, Zip»Attn: «Contact Name» «Contact Title»Phone: «###-###-####»E-Mail: «E-mail address» | **If to BPA:**Bonneville Power Administration«Street Address»«P.O. Box»«City, State, Zip»Attn: «AE Name - Routing» Power Account ExecutivePhone: «###-###-####»E-Mail: «E-mail address» |
| **Additional** **«Customer Name»** **Contact**:«Utility Name»«Street Address»«P.O. Box »«City, State, Zip»Attn: «Contact Name» «Contact Title»Phone: «###-###-####»E-Mail: «E-mail address» | **Additional BPA Contact**:Bonneville Power Administration«Street Address»«P.O. Box»«City, State, Zip»Attn: «Manager Name - Routing» «Eastern *or* Western» Power Customer Services ManagerPhone: «###-###-####»E-Mail: «E-mail address» |

**2 OPERATIONAL** **CONTACT INFORMATION**

As applicable, the Parties shall notify the following people using the following methods for operations related to this Agreement, including scheduling:

*Reviewer’s Note: Customers can work with their Account Executives at contract offer and over the term of the Agreement to add additional customer contacts to this section, as necessary.*

|  |  |
| --- | --- |
| **If to «Customer Name»:**«*Include necessary operational contact information and details:* Function, e-mail, phone, etc. *or* Not Applicable»Or another mutually agreed upon form of notification. | **If to BPA:**PrescheduleE-Mail: PBLPresched@bpa.govReal Time: See E-Tag for contactSlice operational contactsSlice GroupPhone: 503-230-3130E-Mail: SliceSupport@bpa.govSlice DeskPhone: 503-230-5502Or another mutually agreed upon form of notification. |

**3. REVISIONS**

Either Party shall notify the other Party of changes to their contact information above. After such notice, BPA may unilaterally revise section 1.2 and section 2 of this exhibit to reflect such changes to the Parties’ contact information. All other revisions to this exhibit shall be by mutual agreement of the Parties.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

Exhibit J

**ADDITIONAL RESOURCE AND ENERGY STORAGE DEVICE REQUIREMENTS*(09/17/24 Version)***

*Reviewer’s Note: Section 1 would include new election and requirement tables.*

**1. CUSTOMER RESOURCE ELECTIONS AND CHARACTERISTICS SUMMARY**

*Reviewer’s Note: BPA is proposing to move the RSS language into Exhibit J. In the Regional Dialogue contract, the RSS provisions are in Exhibit D (are currently in Exhibit D, grayed out.)*

**2.** **RESOURCE SUPPORT SERVICES *(12/18/24 Version)***

*Reviewer’s Note: This is a potential home/placeholder for this new section.*

RSS is only available to «Customer Name» to support renewable resources that are New Resources used to serve Total Retail Load that are added after September 30, 2023. «Customer Name»’s purchase of RSS shall include all support services necessary to convert the actual scheduled output from the resource being supported into a flat annual block.

2.1 BPA shall develop RSS products to support applicable Specified Resources listed in section 2 of Exhibit A and make RSS available starting in FY 2029. BPA shall offer RSS contract provisions as a revision to this exhibit by July 31, 2027. Prior to that date, BPA shall provide «Customer Name» a reasonable opportunity to provide input into the development of the RSS products and the related contract provisions.

2.2 If «Customer Name» adds an eligible New Resource to meet its obligations to serve Above-CHWM Load, consistent with the notice requirements in section 3.5.1 of the body of this Agreement, «Customer Name» may purchase RSS from BPA to support such resource.

**3. EXISTING DISPATCHABLE RESOURCE CAPACITY SHAPING REQUIREMENTS**

*Reviewer’s Note: This is a potential home/placeholder for this new section.*

**4. RESOURCE ADEQUACY SUBMITTALS FOR COMMITTED POWER PURCHASE AMOUNTS**

*Reviewer’s Note: BPA is proposing to move the TSS coverage by resource language out of Exhibit F and into this Exhibit J.*

**5. TSS COVERAGE BY RESOURCE**

*Reviewer’s Note: This is a potential home/placeholder for this new section.*

**6. ENERGY STORAGE DEVICES**

*Reviewer’s Note: The following proposed Network Resource section was shared at the October 15, 2024 and December 11, 2024 workshops at the end of the Exhibit G document.*

*Option: Include this section for customers served by Transfer Service.*

**7.** **NON-FEDERAL NETWORK RESOURCE INFORMATION FOR TRANSFER SERVICE*(12/11/24 Version)***

*Option 1: If «Customer Name» does NOT have any non-federal Network Resources include the following text:*

«Customer Name» does not have any non-federal Network Resources at this time.

*End Option 1.*

*Option 2: If «Customer Name» has non-federal Network Resources include the following text and complete section «#».1 for each resource. If customer has more than one non-federal Network Resource for Transfer Service, number each separately as «#».1, «#».2, etc. and indent appropriately.*

All of «Customer Name»’s non-federal Network Resources are listed below.

*Drafter’s Note: This template is intended to be a starting point to work from when drafting this section of the exhibit. Headings and content are expected to change to accommodate unique situations associated with the relevant non-federal Network Resource.*

*«#*».1 **«Resource Name»**

*«#*».1.1 **General Description of** **Non-Federal Network Resource:**

(1) **Resource type:** «Generating or Contract Resource»

(2) **Resource fuel type:** «hydro, gas, bio-mass, co-generation, coal, etc»

(3) **Physical Location:** «City, County, State»

(4) **Generation meter number:** «####»

*Drafter’s Note: N/A for Contract Resource. When meter number is available, information needs to be added, or should match Exhibit E of customer’s RD contract.*

(5) **Counterparty:** «xxxx»

(6) **Balancing Authority Area (BAA) in which «Resource Name» is located:** «xxxx»

(7) **Generator unit(s) size (nameplate) and quantity of capacity from that unit being designated as the non-federal Network Resource:** «xxxx»

(8) **MW amount of designation from Contract Resource:** «xxxx»

(9) **Amount of Above RHWM Load to be served with «Resource Name»:** «### MW(s)»

*«#*».1.2 **Operating characteristics of Non-Federal Network Resource**

(1) **Operating restrictions:**

(i) Periods of restricted operations: «routine limitations, i.e. fuel»

(ii) Maintenance schedules: «xxxx»

(iii) Must-run unit designations: «xxxx»

(2) **Operational protocols:** «xxxx»

(3) **Metering responsibilities:** «xxxx»

*«#*».1.3 **General Description of Transmission Arrangements made by** «Customer Name»

(1) **«Customer Name»’s BPA Network Transmission (NT) contract number:** «####-#####»

(2) **List reference number(s) assigned by OASIS for transmission reservations made:** «##########» (include current status of any transmission arrangements made associated with «Resource Name»)

(3) **List inter-connection arrangements (if any) made by «Customer Name»:** «xxxx»

(4) **List the location at which «Customer Name» will take possession of the power:** «xxxx»

(5) **List Point of Receipt (POR) on the Third-Party Transmission Provider’s system where «Resource Name» will be delivered:** «xxxx»

(6) **Firming or sleeving arrangements:**

*«#*».1.4 **Cost Obligations**

BPA shall charge «Customer Name» and «Customer Name» shall pay for the following costs of Transfer Service for «Resource Name»:

     (1) Redispatch

     (2) Congestion management

     (3) Distribution and low-voltage delivery

     (4)Real power losses

     (5) Ancillary Services

     (a) Scheduling, System Control and Dispatch

*Drafter’s Note: Applies only if the resource is located in the same BAA as the customer’s load and is not recovered through a separate arrangement*

     (b) Generation Imbalance

     (c) Regulation and Frequency Response

 (d) Operating Reserves

     (i) Spinning

     (ii) Non-Spinning

*Drafter’s Note: Includes all costs directly assigned to BPA related to the study, maintenance, expansion or construction of new transmission facilities necessary to transmit power from the resource to the customer’s load*

     (6) Direct Assignment Costs

*Drafter’s Note: Includes all transmission costs associated with energy which exceed the Above Fiscal Year Transfer Cap*

     (7) Other costs

*End Option 2.*

*End Option*

***«#*».** **REVISIONS**

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

Exhibit K

**ANNUAL SLICE PERCENTAGE AND FIRM SLICE AMOUNTS*(11/13/24 Version)***

**1. ANNUAL SLICE PERCENTAGE**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall enter «Customer Name»’s formula inputs and Slice Percentage, calculated pursuant to section 5.3 of this Agreement, into the table below.

*Drafter’s Note: This table left blank at contract signing. Enter values as a percentage rounded to the fifth digit, and as a decimal value rounded to the seventh digit.*

| **Fiscal Year** | **TRL forecast****(aMW)** | **Existing Resources(aMW)** | **NLSL****(aMW)** | **Tier 1 Allowance Amount****(aMW)** | **Customer CHWM****(aMW)** | **AnnualCHWM System****(aMW)** | **Slice Percentage (percent value)** | **Slice Percentage (decimal value)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| FY 2029 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2030 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2031 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2032 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2033 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2034 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2035 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2036 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2037 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2038 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2039 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2040 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2041 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2042 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2043 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |
| FY 2044 |  |  |  |  |  |  | *xx.xxxxx* %  | (0.*xxxxxxx*) |

**2. ANNUAL CHWM SYSTEM**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall update the table below with the Annual CHWM System monthly Average Megawatts. The Annual CHWM System is an input in the calculation of «Customer Name»’s Firm Slice Amount pursuant to section 5.4 of this Agreement.

| **Annual CHWM System (aMW)** |
| --- |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **FY 2029** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2030** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2031** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2032** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2033** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2034** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2035** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2036** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2037** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2038** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2039** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2040** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2041** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2042** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2043** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FY 2044** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with average megawatt values rounded to a whole number *xxx* decimal places.*Drafter’s Note: Add the following when revising this table: “2\_This table updated per Revision \_\_\_ to Exhibit K.”* |

**3. FIRM SLICE AMOUNT**

By March 31 concurrent with BPA’s calculation of «Customer Name»’s Net Requirement pursuant to section 1 of Exhibit A, BPA shall update the table below with «Customer Name»’s Firm Slice Amount calculated pursuant to section 5.4 of this Agreement.

*Drafter’s Note: The table below will be blank at contract signing.*

| **Firm Slice Amount** |
| --- |
|  | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **May** | **Jun** | **Jul** | **Aug** | **Sep** | **annual aMW** |
| **Fiscal Year 2029** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2030** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2031** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2032** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2033** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2034** |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2035** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2036** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2037** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2038** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2039** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2040** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2041** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2042** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2043** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fiscal Year 2044** |
| **Energy (aMW)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Energy (MWh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Note: Fill in the table above with megawatt‑hour values rounded to a whole number, and average megawatt values rounded to three decimal places.*Drafter’s Note: Add the following when revising this table: “2\_This table updated per Revision \_\_\_ to Exhibit K.”* |

**4. REVISIONS**

BPA shall revise the tables in sections 1, 2 and 3 of this Exhibit K for each Fiscal Year of the Rate Period in accordance with the terms of this Exhibit K. Other changes to Exhibit K shall be by mutual agreement of the Parties.

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*

**Exhibit L** *(11/13/24 Version)*

**PROVIDER OF CHOICE SLICE APPLICATION**

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**2. Definitions**

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Simulator**

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**9. Revisions**

*Drafter’s Note: When the Signatures clause is included at the end of the revision, list it in the Table of Contents.*

**10. Signatures**

**1. PROVIDER OF CHOICE SLICE APPLICATION – GENERAL DESCRIPTION**

The Provider of Choice Slice Application (POCSA) is a proprietary BPA computer application developed and maintained by BPA in consultation with «Customer Name» and other Slice Operations Forum (SOF) members. The POCSA consists of the Slice Water Routing Simulator, the Balance of System Module, the Default User Interface, and other related processes used for scheduling, tagging, and accounting of Slice Output and communication of information, all as described below.

The POCSA calculates the Slice Output Energy amount that BPA makes available to «Customer Name» in each Scheduling Hour. The total amount of Slice Output Energy in each Scheduling Hour is comprised of the results of the Simulator and the BOS Module, as set forth in section 7 of this exhibit. «Customer Name» shall use the POCSA on a day-ahead timeframe to submit Customer Inputs and BOS Flex Requests to BPA for each Scheduling Hour in the next Slice Operating Day, pursuant to section 4.1 of Exhibit F.

**2. DEFINITIONS**

The following definitions apply only to this Exhibit L.

2.1 “Algorithm Tuning Parameters” means factors, coefficients, or variables that are embedded within Simulator algorithms or formulas and are adjusted by Power Services as needed to appropriately implement provisions of this Agreement.

2.2 “Bypass Spill” means Spill that occurs at a hydroelectric project associated with lock operations, leakage and fish bypass systems.

2.3 “Forced Spill” means Spill other than Bypass Spill, Elective Spill, or Fish Spill that occurs at a hydroelectric project and is unavoidable in order to operate the project within applicable Operating Constraints.

2.4 “Incremental Side Flows” means the portion of a hydroelectric project’s natural inflow that enters the river on which the project is located between that project and the next-upstream project.

2.5 “Logic Control Parameters” means flags or toggles that are embedded within the POCSA logic and are set by Power Services as needed to appropriately implement provisions of this Agreement.

2.6 “Simulator Initialization Time” means the date and time that represents the beginning of the first one-hour period of the Simulator Modeling Period.

2.7 “Simulator Modeling Period” means the variable time period represented by the Simulator output, including between 216 and 241 one-hour time periods, as described in section 3.1.2 of this exhibit.

**3. SLICE WATER ROUTING SIMULATOR**

3.1 **General Description**

The Simulator is designed to determine «Customer Name»’s potential range of available Simulated Output Energy Schedules and Delivery Limits associated with the Simulator Projects. «Customer Name» shall utilize the Simulator to simulate the routing of available stream flow through the Simulator Projects in compliance with established Simulator Parameters. Power Services is responsible for establishing and managing Simulator Parameters within the Simulator, pursuant to section 3.2 of this exhibit, and «Customer Name» is responsible for establishing and managing Customer Inputs within the Simulator, pursuant to section 3.3 of this exhibit.

3.1.1 «Customer Name» shall have access to the Simulator for the purpose of running various Simulated Operating Scenarios.

3.1.2 The Simulator produces Simulated Operating Scenarios in one-hour time periods for no less than 216 hours and no more than 241 hours depending upon the Simulator Initialization Time.

The one-hour time periods used in the Simulated Operating Scenarios shall begin with the first hour of the day following the most recent operating day that «Customer Name» submitted Customer Inputs pursuant to section 4.1 of Exhibit F.

3.1.3 The Simulator incorporates approximate hydraulic time lags between Simulator Projects.

3.1.4 The Simulator reflects the application of all Operating Constraints in effect for each Simulator Project, including compliance with Operating Constraints in effect at downstream projects.

3.1.5 The Simulator calculates simulated inflows to Grand Coulee based upon forecast (or measured when available) discharges from upstream projects plus forecast Incremental Side Flows between those projects and Grand Coulee, as adjusted for forecast Banks Lake irrigation pumping flows.

3.1.6 The Simulator calculates the simulated Grand Coulee discharge, generation, and forebay elevation based on «Customer Name»’s Customer Inputs. Such computed discharge is used to establish «Customer Name»’s simulated Chief Joseph inflow, given appropriate time lags, and as adjusted for forecast Chief Joseph Incremental Side Flows.

3.1.7 The Simulator calculates simulated inflows to McNary based upon forecast (or measured when available) discharges from Priest Rapids and Ice Harbor after considering approximate hydraulic time lags between those projects and McNary, as adjusted for forecast McNary Incremental Side Flows. The Simulator also incorporates «Customer Name»’s Hydraulic Link Adjustment, pursuant to section 3.7 of this exhibit, into «Customer Name»’s simulated McNary inflow.

3.1.8 The Simulator calculates the simulated McNary discharge, generation, and forebay elevation based on «Customer Name»’s Customer Inputs. Such calculated discharge is used to establish «Customer Name»’s simulated John Day inflow, given appropriate time lags, and as adjusted for forecast John Day Incremental Side Flows.

3.1.9 The Simulator calculates the simulated discharge, generation and forebay elevations for John Day, The Dalles and Bonneville, as well as simulated inflows into The Dalles and Bonneville for «Customer Name», in the manner described in section 3.1.8 above.

3.1.10 The Simulator does not accept aggregated Customer Inputs for the Lower Columbia Complex or the Coulee-Chief Complex. «Customer Name» may develop aggregated Customer Inputs for use in its in-house processes but must translate such aggregated Customer Inputs into individual Customer Inputs for each Simulator Project to enable the POCSA to validate «Customer Name»’s simulated operation of individual Simulator Projects against Operating Constraints.

3.2 **Simulator Parameters**

BPA shall monitor and update the Simulator Parameters, as specified in this section 3.2, applicable to each Simulator Project to reflect: (1) Operating Constraints in effect or to take effect at the actual Tier 1 System Resource, and (2) forecast system conditions used by BPA in the operation of the Tier 1 System Resources, for the entire Simulator Modeling Period. BPA shall designate each Operating Constraint established as a Simulator Parameter as either an Absolute Operating Constraint, a Hard Operating Constraint, or a Soft Operating Constraint. BPA shall notify Slice Customers of any Absolute Operating Constraint or Hard Operating Constraint that cannot be modelled in the POCSA. The simulated operating capability available from the Simulator Projects as affected by the Simulator Parameters shall reasonably represent the actual operating capability available from the Tier 1 System Resources that comprise the Simulator Projects as affected by the associated Operating Constraints. To the maximum extent practicable, BPA shall monitor the operating conditions that affect the Simulator Projects and shall revise the Simulator Parameters as necessary to reflect changes.

3.2.1 BPA shall update the Simulator Parameters applicable to each Scheduling Hour in the Simulator Modeling Period no later than three hours prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F on each calendar day. BPA shall have the right to revise Simulator Parameters applicable to each Scheduling Hour up to 75 minutes prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F.

3.2.2 The Simulator Parameters shall include:

(1) Hourly regulated inflows (Grand Coulee and McNary only);

(2) Hourly Incremental Side Flows;

(3) Initial forebay elevations;

(4) Water to energy conversion factors (H/ks);

(5) Content to elevation conversion tables;

(6) Project turbine capacities;

(7) Spill limitations and requirements, including Bypass Spill quantities;

(8) Generation limitations and requirements;

(9) Discharge limitations and requirements as needed to meet both discharge and tailwater elevation requirements;

(10) Forebay limitations and requirements;

(11) System wide requirements that affect the Simulator Projects (e.g. Vernita Bar, chum spawning, or Operating Reserves);

(12) Algorithm Tuning Parameters;

(13) Logic Control Parameters that affect the Simulator Projects (e.g. CGS Displacement election, PSB enforcement flag, etc.); and

(14) Simulator Parameters as implemented pursuant to section 5.12 of the body of this Agreement and included in the specification manual described in section 3.5.1 of this exhibit.

3.3 **Customer Inputs and Use of the Simulator**

«Customer Name» shall be responsible for accessing the Simulator and submitting at least one Customer Input for each of the Simulator Projects for each one-hour time period for the entire Simulator Modeling Period. «Customer Name» is required to submit Customer Inputs to the Simulator separately from all other Slice Customers’ Customer Inputs.

3.3.1 Customer Inputs shall include:

(1) Generation requests;

(2) Elevation requests;

(3) Discharge requests; and,

(4) Customer Inputs as implemented pursuant to section 5.12 of the body of this Agreement and included in the specification manual described in section 3.5.1 of this exhibit.

3.3.2 Customer Inputs shall be stated in terms of whole project capability rather than «Customer Name»’s Slice Percentage of project capability.

3.3.3 The Simulator shall apply a fixed prioritization of Customer Inputs among generation, elevation, and discharge requests.

3.3.4 The Simulator shall process «Customer Name»’s Customer Inputs to determine a Simulated Operating Scenario. The simulated generation values resulting from each Simulated Operating Scenario shall represent «Customer Name»’s potential Simulated Output Energy Schedules. Simulated Output Energy Schedules are not considered schedules for power delivery.

3.3.5 For each Simulated Operating Scenario the POCSA will provide «Customer Name» with a report stating for each Simulator Project: (1) the resulting simulated generation, discharge and elevation values, (2) which, if any, Absolute or Hard Operating Constraints limited the Simulated Operating Scenario, and (3) which, if any, Absolute or Hard Operating Constraints were violated.

3.3.6 If «Customer Name» submits Customer Inputs for a Simulated Operating Scenario that would otherwise result in violations of one or more Absolute or Hard Operating Constraints, the Simulator shall, to the extent possible, establish a Simulated Operating Scenario that conforms to the Absolute or Hard Operating Constraints. In such event, «Customer Name» shall elect to either cancel the submission of its Customer Inputs or accept the results of the Simulated Operating Scenario. «Customer Name» shall contact the Power Services duty scheduler on shift no earlier than three hours prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F and no later than thirty minutes prior to the Customer Inputs submission deadline to request shielding from Simulated Operating Scenario constraint violations for the next Slice Operating Day. Shielding eliminates the energy reduction at the Simulator Project where the constraint violation occurred. The Power Services duty scheduler on shift or other position designated by BPA shall have the sole discretion to approve or deny shielding requests. Shielding requests will not be approved by BPA after the fact. «Customer Name» shall resubmit a final feasible Simulated Operating Scenario for such shielding to take place.

3.3.7 «Customer Name» shall have the right to modify and submit its Customer Inputs for each Scheduling Hour included in the next Slice Operating Day prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F.

The Simulator shall process the last submitted Customer Inputs after the Customer Inputs submission deadline to calculate «Customer Name»’s final Simulated Operating Scenario and associated final Simulated Output Energy Schedules. The final Simulated Operating Scenario and final Simulated Output Energy Schedules are inputs to the calculation of «Customer Name»’s Slice Output Energy Request (SOER), pursuant to section 7 of this exhibit, applicable to each Scheduling Hour in the next operating day.

3.3.8 For the Customer Inputs listed in section 3.3.1 of this exhibit, «Customer Name» shall produce and submit to BPA at least one preliminary and one final Simulated Operating Scenario that demonstrates all Simulator Projects are in compliance with all applicable Operating Constraints for the duration of the Simulator Modeling Period. «Customer Name» shall produce and submit a preliminary Simulated Operating Scenario to BPA no earlier than 17 hours prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F and no later than four hours prior to the Customer Inputs submission deadline. «Customer Name» shall produce and submit the final Simulated Operating Scenario to BPA no later than the Customer Input submission deadline in section 4.1 of Exhibit F. If «Customer Name» does not submit a final Simulated Operating Scenario to BPA that complies with the requirements of this section 3.3. then «Customer Name»’s preliminary Simulated Operating Scenario shall become its final Simulated Operating Scenario for the applicable time period. BPA may suspend this requirement during periods when BPA determines «Customer Name» is not able to comply due to conflicting Operating Constraints.

3.4 **Simulator Output**

Based on the Simulator Parameters and Customer Inputs in effect, the Simulator produces the following results for each one-hour timeperiod for the entire Simulator Modeling Period:

3.4.1 «Customer Name»’s potential Simulated Output Energy Schedules (simulated generation), simulated discharge, and simulated forebay elevation associated with each Simulator Project.

3.4.2 A list of Customer Inputs that resulted in violation of Operating Constraints within the Simulated Operating Scenario, pursuant to section 3.3.6 of this exhibit, or that were not achieved by the Simulator, for each Simulator Project.

3.4.3 A list of Operating Constraints that were violated within «Customer Name»’s simulated operation for each Simulator Project.

3.4.4 An explanation for each occurrence listed pursuant to sections 3.4.2 and 3.4.3 of this exhibit.

3.4.5 «Customer Name»’s Hydraulic Link Adjustment amounts as established pursuant to section 3.7 of this exhibit.

3.5 **Simulator Documentation, Performance Test, and Accuracy**

3.5.1 **Simulator Documentation**

BPA, with «Customer Name»’s input, shall develop an updated Slice Water Routing Simulator (SWRS) manual with specifications describing the Simulator computations, processes and algorithms. The SWRS manual shall include, but shall not be limited to, the following:

(1) A documented list of data points, including the source systems of record, such as BPA’s internal modeling tools or stream flow forecasting databases, that are accessed and used to determine Simulator Parameters;

(2) Full documentation, excluding computer code, of the processes by which the Simulator calculates and produces output values;

(3) Full documentation, excluding computer code, of the Simulator functions available to «Customer Name», including access and controls of the Simulator; and

(4) Full documentation of the data output/display processes and communication protocols associated with «Customer Name»’s computer systems.

3.5.2 **Simulator Performance Test**

BPA shall conduct the Simulator Performance Test specified in this section 3.5.2 of this exhibit, and as required pursuant to section 5.9.4 of the body of this Agreement and section 3.5.3.2 of this exhibit.

3.5.2.1 **Storage Content Test**

Using actual stream flows (including calculated Incremental Side Flows), operating constraints, initial monthly Simulator Project forebay elevations, and Simulator Project discharges for the months of January through September 2025 as input parameters, BPA shall produce Simulated Operating Scenarios for each month of that period. BPA shall calculate the hourly Storage Content difference for each Simulator Project as the difference between the simulated Storage Content and the actual Storage Content for each such Simulator Project for each hour of the test period. For each month of the test period, a Simulator Project will have passed the Storage Content test if: (1) the hourly Storage Content difference is greater than the Storage Content value contained in column A of the table below on no more than 4 percent of the hours in the month; and, (2) no hourly Storage Content difference during the month is greater than the lesser of (i) the Storage Content value contained in column B of the table below or (ii) one-half of the applicable monthly available Storage Content. If a Simulator Project fails either of these tests for a month, then such Simulator Project will have failed the Storage Content test for such month.

|  |  |  |
| --- | --- | --- |
| **Simulator Project** | **Column A** | **Column B** |
| Grand Coulee | 5 ksfd | 15 ksfd |
| Chief Joseph | 5 ksfd | 11.5 ksfd |
| McNary | 5 ksfd | 15 ksfd |
| John Day | 5 ksfd | 15 ksfd |
| The Dalles | 5 ksfd | 12.5 ksfd |
| Bonneville | 5 ksfd | 15 ksfd |

The overall Storage Content test will be deemed to have failed if one or more of the following occurs:

(1) Grand Coulee fails the test in one or more of the nine months;

(2) More than 25 percent of the 54 monthly tests fail;

(3) Four or more Simulator Projects fail the test in any single month; or

(4) Any of the Simulator Projects fail the test in all 9 months.

3.5.2.2 **Energy Test**

Using actual stream flows (including calculated Incremental Side Flows), operating constraints, initial monthly Simulator Project forebay elevations, Simulator Project discharge values, and Simulator Project H/ks (for the months of January through September 2025) as input parameters, BPA shall produce Simulated Operating Scenarios for each month of that period. BPA shall calculate the daily and monthly differences between the simulated generation and actual generation for each Simulator Project. For each month of the test period, a Simulator Project will have passed the energy test if: (1) for each day of the month the daily generation difference is no greater than 5 percent of the associated Simulator Project’s actual daily generation; and, (2) the monthly generation difference is no greater than 3 percent of the associated Simulator Project’s actual monthly generation. The overall energy test will be deemed to have failed if one or more of the following occurs:

(1) Grand Coulee fails the test in one or more of the 9 months;

(2) More than 25 percent of the 54 monthly tests fail;

(3) Four or more Simulator Projects fail the monthly test in any single month; or

(4) Any of the Simulator Projects fail the test in all 9 months.

3.5.2.3 **Peaking Test**

BPA shall produce a separate Simulated Operating Scenario as specified below, for the hottest consecutive 3‑day period and the coldest consecutive 3‑day period that occurred during the period January through September 2025

The 3‑day test periods shall be determined by BPA based on the weighted-average temperatures for three major load centers: Portland, Seattle, and Spokane. The weighted-average temperatures for these load centers will be determined as follows:

(1) Each city’s daily maximum and daily minimum temperature will be averaged;

(2) The resulting day-average temperature from each city will be weighted by applying load center percentage weightings, which will be determined by BPA and will sum to 100 percent for the three cities; and

(3) The resulting weighted day-average temperatures for each city will then be combined to determine each day’s weighted-average load center temperature.

The daily weighted-average load center temperatures will be averaged for each consecutive 3‑day period for the January 2025 through September 2025 period. The lowest such average will establish the coldest 3‑day period, and the highest such average will establish the hottest 3‑day period.

The Simulated Operating Scenarios will be developed using actual stream flows (including calculated Incremental Side Flows), operating constraints, and initial Simulator Project forebay elevations from the 3‑day test periods as input parameters. Each Simulator Project’s hourly generation request will be set equal to such Simulator Project’s actual generation value from the representative test periods. BPA will compare each of the Simulator Project’s simulated hourly generation values to such Simulator Project’s actual hourly generation values for each of the 6 peak hours on any of the test days. The 6 peak hours shall be established as the 6 hours with the largest combined actual Simulator Project generation each day. The peaking test will be deemed to have failed if either of the following occurs:

(1) The Simulator Projects’ combined simulated generation value deviates from the Simulator Projects’ combined actual generation value by more than 200 aMW over the 6 peak hours on any of the test days; or

(2) The Simulator Projects’ combined simulated generation value deviates from the Simulator Projects’ combined actual generation value by more than 400 MW on any of the 6 peak hours on any of the test days.

3.5.2.4 **Ramp Down Test**

Using actual stream flows (including calculated Incremental Side Flows), operating constraints, initial Simulator Project forebay elevations, and Simulator Project generation values from the dates specified below as input parameters, BPA shall develop a separate Simulated Operating Scenario for each specified date. BPA shall calculate the difference between the simulated Grand Coulee generation change and the actual Grand Coulee generation change for each two consecutive hours between Scheduling Hour 20 and Scheduling Hour 02 for each study day. The ramp down test will be deemed to have failed if one or more of the following occurs:

(1) The difference between the simulated and actual Grand Coulee generation change is greater than 300 MW on any two consecutive hours between Scheduling Hour 20 and Scheduling Hour 02, on any ramp down test date.

(2) The average difference between the simulated and actual Grand Coulee generation change is greater than 100 MW for each two consecutive hours between Scheduling Hour 20 and Scheduling Hour 02 on any ramp down test date.

(3) BPA shall determine the ramp down test dates and provide such dates to «Customer Name» no later than October 31, 2027.

3.5.2.5 **Changes to Simulator Performance Test Criteria**

If the Simulator Performance Test fails, and after BPA discusses the results of the test with «Customer Name», and the Parties agree the test criteria is unreasonable, inappropriate, or unattainable, then the Parties may mutually agree to either deem the Simulator Performance Test as having passed, or alter the test criteria prior to conducting subsequent Simulator Performance Tests.

3.5.3 **Simulator Accuracy**

«Customer Name» and BPA acknowledge that model errors are inevitable. No cumulative accounting of model error impacts shall be required or established.

3.5.3.1 To minimize such errors BPA shall ensure Simulator Parameters established for the Simulator reasonably reflect the expected values for forecasted inflows and Operating Constraints and that the Simulator reasonably represents the operational attributes of the Simulator Projects. BPA shall develop a process to account and correct for differences between forecasted and measured inflows and H/k values reflected in the Simulator in an effort to minimize cumulative deviations. «Customer Name» shall accept such inputs and corrections, and shall ensure that Customer Inputs established for the Simulator reasonably reflect «Customer Name»’s intended use of hourly scheduling flexibility within the established Delivery Limits.

3.5.3.2 As an ongoing check of the Simulator’s accuracy, BPA shall run a retrospective Simulator Performance Test, as described in section 3.5.2 of this exhibit, after major changes to the Simulator have occurred, at BPA discretion. The Simulator accuracy criteria for each Simulator Performance Test shall be set equal to actual Simulator accuracy associated with the preceding Simulator Performance Test results, unless the Parties agree otherwise through the SOF process. The test criteria for each Simulator Performance Test may be modified as agreed by the Parties through the SOF process pursuant to section 5 in the body of this Agreement. BPA shall provide the results of each such test to «Customer Name» within a reasonable timeframe.

3.5.3.3 If any Simulator Performance Test results are not within the accuracy criteria established pursuant to section 3.5.3.2 of this exhibit, BPA, in consultation with «Customer Name» and other members of the SOF, shall make a plan to promptly implement modifications necessary to bring the Simulator output in compliance with such accuracy criteria pursuant to section 5.12 of this Agreement.

3.5.4 **Documentation of** **Simulator Updates, Upgrades, or Replacements and Required Actions**

At least 30 days prior to BPA implementing any major updates, upgrades, or replacements to the Simulator, the Simulator specifications manual described in section 3.5.1 of this exhibit shall be revised by BPA, with «Customer Name»’s input, and distributed to «Customer Name»’s SOF representative. Within such 30 day period «Customer Name» shall test its systems and provide sufficient training to its staff to allow it to prudently manage the changes resulting from the updates, upgrades, or replacements.

3.6 **Forecasted H/k, Corrected H/k, Bypass Spill, and Fish Spill**

3.6.1 The POCSA shall automatically calculate forecasted H/k values for each Simulator Project for use as H/k Simulator Parameters. Forecasted H/k values shall be calculated using observed turbine discharge and gross generation amounts associated with the most recent contiguous periods that include hours ending 2300 through 0600 and hours ending 0700 through 2200, separately. The forecast H/k values shall be applied to all hours of each future, like, contiguous period within the Simulator Modeling Period. Such applied forecasted H/k values shall be adjusted for each Scheduling Hour based upon the ratio of «Customer Name»’s hourly simulated head associated with the prior Scheduling Hour and the observed head associated with the applicable observed contiguous period.

3.6.2 The POCSA shall automatically calculate observed hourly H/k values for each Simulator Project for use in deviation accounting. Observed hourly H/k values shall be based on observed turbine discharge and gross generation amounts for each hour and shall be adjusted based upon the ratio of «Customer Name»’s simulated head and the observed head for each hour. Observed hourly H/k values shall be applied to «Customer Name»’s final simulated turbine discharge values associated with the same hour to determine corrected SOES amounts and H/k correction return amounts («Customer Name»’s Slice Percentage of the corrected SOES minus «Customer Name»’s Slice Percentage of the final SOES). The sum of «Customer Name»’s H/k correction return amounts for each hour shall be applied to «Customer Name»’s SOER for the Scheduling Hour that occurs 168 hours after the applicable observed hour.

3.6.3 The POCSA shall automatically apply forecasted Bypass Spill amounts to «Customer Name»’s simulations for the entire Simulation Modeling Period. The POCSA shall calculate hourly observed Bypass Spill amounts as soon as practicable following each hour. Such hourly observed Bypass Spill amounts shall replace the forecasted Bypass Spill amounts for the Scheduling Hour that occurs 24 hours after the applicable observed hour.

3.7 **Calculation and Application of the Hydraulic Link Adjustment**

3.7.1 «Customer Name»’s Hydraulic Link Adjustment values shall be determined for each hour of this Agreement, beginning October 1, 2028.

3.7.2 «Customer Name»’s Hydraulic Link Adjustment values shall be equal to «Customer Name»’s Chief Joseph simulated discharge for each hour, minus the Chief Joseph measured discharge for the same hour.

3.7.3 «Customer Name»’s Hydraulic Link Adjustment values shall be applied as a component of «Customer Name»’s simulated inflow to McNary after considering appropriate lag times and smoothing functions.

**4.** **BALANCE OF SYSTEM (BOS) MODULE**

The BOS Module calculates: (1) the BOS Base amounts, (2) the BOS Flex amounts, and (3) «Customer Name»’s BOS Deviation Return amounts, all as specified below.

4.1 **BOS Base Amount**

Consistent with the following provisions, the BOS Base amount shall be determined by Power Services and provided to «Customer Name».

4.1.1 The BOS Base amount, for each Scheduling Hour, shall be equal to the sum of: (1) BPA’s latest planned or scheduled generation amounts associated with the BOS Complex projects, (2) the amount of Elective Spill BPA implements on the BOS Complex projects, (3) the amount of CHWM Modeled Augmentation, and (4) the forecast amount of energy associated with Designated System Obligations. Energy associated with CHWM Modeled Augmentation included in the BOS Base amount shall be applied in equal amounts each hour of each Fiscal Year.

4.1.2 «Customer Name»’s hourly BOS Base schedules shall be equal to the hourly BOS Base amounts multiplied by «Customer Name»’s Slice Percentage.

4.1.3 BPA shall have the right to revise BOS Base amounts to reflect changes in items listed in section 4.1.1(1) – (4) affecting each Scheduling Hour up to 75 minutes prior to the Customer Inputs submission deadline in section 4.1 of Exhibit F.

4.2 **BOS Flex Amount**

Consistent with the following provisions, the BOS Flex amount shall be determined by BPA and made available to «Customer Name» on an as-available basis.

4.2.1 The BOS Module will: (1) determine if there is sufficient flexibility to reshape the hourly generation associated with the Lower Snake Complex that is included in the BOS Base amount, and if so, (2) provide as output the resulting amount by which the BOS Base amount can be increased or decreased on any given hour. The BOS Module will specify the BOS Flex amounts that are available for the current calendar day and the subsequent calendar day.

4.2.2 Such BOS Flex amounts shall reflect, in the judgment of BPA, the amount by which the BOS Base amount can reasonably be reshaped using the flexibility available in the Lower Snake Complex, taking into account the Operating Constraints and stream flow conditions.

4.2.3 «Customer Name» shall determine its planned hourly use of the BOS Flex and submit to BPA, positive and negative hourly BOS Flex schedules that sum to zero for each day. A positive hourly BOS Flex schedule shall reflect an increase relative to the BOS Base amount and a negative hourly BOS Flex schedule shall reflect a decrease relative to the BOS Base amount.

4.2.4 «Customer Name» shall update its hourly BOS Flex schedules to comply with revised BOS Flex amounts.

4.2.5 The BOS Flex available to «Customer Name» shall be equal to the BOS Flex amounts determined pursuant to this section 4.2 multiplied by «Customer Name»’s Slice Percentage.

4.2.6 If «Customer Name» determines it has a significant risk of not meeting its firm load service at any time, then «Customer Name» may request that BPA assess the ability to modify the established BOS Flex amounts within applicable Operating Constraints. If BPA, as time permits and in its sole discretion, alters such BOS Flex amounts, then such updated values shall apply to all Slice Customers. «Customer Name» acknowledges that such assessment by BPA may result in an increase, decrease or no change to any of the remaining hourly BOS Flex amounts.

4.2.7 BPA shall have the right to revise BOS Flex amounts to reflect changes in items listed in sections 4.2.1(1) and 4.2.1(2) and section 4.2.6 affecting each Scheduling Hour up to 75 minutes prior to Customer Inputs submission deadline in section 4.1 of Exhibit F.

4.3 **BOS Deviation Return Amounts**

The BOS Module will calculate and establish «Customer Name»’s BOS Deviation Return amounts as established in section 4.2.1 of Exhibit M.

4.4 **Total BOS Amounts**

«Customer Name»’s total BOS amount shall be equal to the sum the following components:

(1) the BOS Base schedule as established pursuant to section 4.1 of this exhibit;

(2) the BOS Flex schedule as established pursuant to section 4.2 of this exhibit; and

(3) the BOS Deviation Return amount described in section 4.3 of this exhibit.

**5.** **DEFAULT USER INTERFACE**

5.1 BPA shall maintain a Default User Interface (DUI) for «Customer Name» to access the POCSA. «Customer Name» may utilize the DUI as its primary interface for the POCSA or may use an alternate interface, provided that such alternate interface shall be reviewed and approved by BPA prior to usage. Any alternative interface shall be compliant with BPA’s system standards and cyber security requirements as determined by BPA. «Customer Name» shall provide BPA all information, data, and documentation that BPA determines to be necessary for testing and validation of the alternative interface, including but not limited to cyber security requirements. BPA does not guarantee that an alternative interface will be compatible with BPA’s systems and requirements, nor does it guarantee that it will be approved for use by «Customer Name». If «Customer Name»’s primary interface is not the DUI, then «Customer Name» shall maintain back-up functionality through, and staff capability to operate, the DUI in the event «Customer Name»’s alternate interface is unavailable. The DUI shall include the functional capabilities listed below:

(1) Provide «Customer Name» access to the Simulator for submittal of Customer Inputs and to run Simulated Operating Scenarios.

(2) Provide «Customer Name» feedback and reports from the Simulator and BOS Module as set forth in sections 3.4 and 4.2.1 of this exhibit.

(3) Provide «Customer Name» input/output displays related to the Simulator and BOS Module.

5.2 **Customer Unable to Utilize DUI**

If, as of the POCSA Deployment Date, «Customer Name» is not functionally ready to access and utilize the DUI, then beginning on the POCSA Deployment Date and continuing until 30 calendar days after «Customer Name» provides BPA with written notice that it is functionally ready to utilize the DUI, then BPA shall use the POCSA to determine «Customer Name»’s hourly SOERsin accordance with the following procedures:

5.2.1 **BPA Actions - Customer Inputs**

(1) BPA shall set «Customer Name»’s Customer Inputs (generation requests) for Grand Coulee and Chief Joseph equal to Power Services’ planned Grand Coulee and Chief Joseph’s respective generation.

(2) BPA shall set «Customer Name»’s Customer Inputs (elevation requests) for the LCOL Complex projects such that those projects pass inflow on an hourly basis.

(3) BPA shall set «Customer Name»’s hourly BOS amount equal to «Customer Name»’s Slice Percentage multiplied by the BOS Base amount (no BOS Flex allowed).

(4) BPA shall communicate «Customer Name»’s SOERs to «Customer Name» via a mutually agreed upon delivery method as determined by the Parties.

5.2.2 BPA shall revise «Customer Name»’s Customer Inputs applying the same criteria in section 5.2.1 of this exhibit. BPA shall provide «Customer Name» its revised SOERs, as needed to reflect BPA’s latest estimated generation, inflow and BOS Base values no later than one hour prior to the Customer Input submission deadline in section 4 of Exhibit F.

5.2.3 **Submission of Electronic Tags**

«Customer Name» shall submit electronic tags to Power Services on day ahead timeframe, pursuant to Exhibit F, which shall indicate energy amounts equal to «Customer Name»’s hourly SOERs established under this section 5.2

(1) If energy amounts indicated on «Customer Name»’s electronic tags are greater than its hourly SOERs, then «Customer Name» shall receive the electronic tag amounts and shall incur additional charges or penalty charges as established in the Wholesale Power Rate Schedules and GRSPs, including the Unauthorized Increase Charge, or its successor, for the energy that is in excess of the Slice Output Energy amount.

(2) If energy amounts indicated on «Customer Name»’s electronic tags are less than its hourly SOERs, then «Customer Name» shall receive the electronic tag amounts and shallforfeit the remaining Slice Output Energy amount.

5.2.4 **Delivery Limit Penalties**

Except as described in section 5.2.3, Delivery Limit penalties established in Exhibit M shall not be assessed for the first 90 days that the circumstances described in this section 5.2 are in effect.

**6. POCSA REPORTS**

6.1 As soon as practicable, but no later than 30 minutes past the end of each Scheduling Hour, the POCSA shall provide «Customer Name» a detailed automated report that specifies: (1) «Customer Name»’s hourly Storage Offset Adjustment (SOA) amounts as defined in section 2.2 of Exhibit M, and as specified in section 4 of Exhibit M, and (2) the after-the-fact Simulator Project data used to calculated hourly SOA amounts. The POCSA shall apply the SOA amounts to each Simulator Project 48 hours after the difference in streamflows occurred.

6.2 The POCSA shall provide «Customer Name» a report that specifies all changes to Simulator Parameters that have been made by BPA between a user specified start date/time and end date/time. The report shall include brief, concise explanatory statements coincidental with significant Simulator Parameter changes.

6.3 The POCSA shall provide «Customer Name» a report that specifies all Prudent Operating Decisions implemented by BPA in the Simulator, between a user-specified start date/time and end date/time. The report shall include the reason for imposing the Prudent Operating Decision and the manner in which BPA incorporated the Prudent Operating Decision into the Simulator Parameters.

**7. SOER FOR EACH SCHEDULING HOUR**

«Customer Name»’s for SOER in each Scheduling Hour shall be equal to the sum of the following components, rounded to a whole number:

(1) the sum of «Customer Name»’s final Simulated Output Energy Schedules established per section 3.3.7 of this exhibit for each of the Simulator Projects multiplied by «Customer Name»’s Slice Percentage;

(2) «Customer Name»’s total BOS amount, established pursuant to section 4.4 of this exhibit;

(3) «Customer Name»’s reduction penalty amount established per section 5.1.4 of Exhibit M, multiplied by -1; and

(4) «Customer Name»’s H/k correction return established per section 3.6.2 of this exhibit.

Any revision to «Customer Name»’s SOER shall conform to the requirements of section 3 of Exhibit F and the scheduling deadline in section 4.1 of Exhibit F.

8. POCSA TEST VERSIONS AND TRIAL PERIODS

8.1 BPA shall facilitate at least four week-long POCSA trial periods. During these trial periods, BPA shall maintain and provide «Customer Name» with access to a single test version of the POCSA in a form as near to production status as possible, including the functionality for «Customer Name» to submit Customer Inputs and run the Simulator to produce Simulated Operating Scenarios and final Simulated Operating Scenarios through the DUI and through the secure network protocols, and to receive results from the submittal processes.

8.2 In this test version of the POCSA «Customer Name» shall have the ability to modify Simulator Parameters. The test version of the POCSA availability shall be no less than 90% uptime. The test version of the POCSA shall use production data from the most recent two-year period.

8.3 The selection of specific weeks for such trial periods will be coordinated through the SOF, but shall begin no earlier than April 1, 2027 and shall end no later than 14 days prior to the date when the POCSA is revised with the day-ahead functionality on October 1, 2028. Results and feedback of the trial periods will be reported to the SOF at which time any suggestions for improving the SCA, the Simulator, or the processes necessary to support and maintain the POCSA will be discussed and considered by the Parties.

9. REVISIONS

9.1 BPA may unilaterally revise the deadline for BPA to update Simulator Parameters in section 3.2.1 of this exhibit as necessary to comply with BPA’s obligations as stated in the Western Power Pool Western Resource Adequacy Program tariff, or its successor. BPA shall provide «Customer Name» notice of the revised deadline in section 3.2.1 at least 60 days prior to the effective date of such revision.

9.2 BPA may unilaterally revise Forecasted H/k, Corrected H/k, Bypass Spill, and Fish Spill in section 3.6.1 of this exhibit if such changes are approved by the SOF pursuant to section 5.12 of the body of this Agreement. BPA shall provide «Customer Name» notice of such revision at least 30 days prior to the effective date of such revision.

9.3 All other revisions to this Exhibit L shall be by mutual agreement of the Parties.

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Exhibit M *(11/13/24 Version)*

**SLICE OPERATING PROCEDURES**

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*Drafter’s Note: When the Signatures clause is included at the end of the revision, list it in the Table of Contents.*

**13. Signatures**

**1. SLICE OPERATING PROCEDURES – GENERAL DESCRIPTION**

The procedures established in this Exhibit M shall be used by BPA and «Customer Name» in conjunction with Exhibit L to implement deliveries of Slice Output Energy sold to «Customer Name» under the Slice Product.

**2. DEFINITIONS**

The following definitions apply only to this Exhibit M.

2.1 “Multiyear Hydroregulation Study” means a hydroregulation study that simulates the prospective monthly operation of the Tier 1 System, typically for a 12‑month period, given a range of stream flow sequences.

2.2 “Storage Offset Adjustment” or “SOA” means the hourly difference between forecasted and observed inflows for each Simulator Project that are to be applied 48 hours after its calculation, pursuant to section 4 of this exhibit.

**3. DATA PROVIDED BY POWER SERVICES**

In addition to information exchanged and provided through provisions of Exhibit L, and to assist «Customer Name» in managing and planning the use of its Slice Output, BPA shall provide «Customer Name» the following information.

3.1 Tier 1 System operational information pursuant to sections 7, 8 and 9 of this exhibit.

3.2 «Customer Name»’s SOA amounts and BOS Deviation Account balance pursuant to section 4 of this exhibit.

**4. STORAGE OFFSET ADJUSTMENT AND DEVIATION ACCOUNTING**

As described below, , BPA shall calculate and apply to «Customer Name»’s Provider of Choice Slice Application (POCSA) a separate Storage Offset Adjustment (SOA) for each Simulator Project that represents simulated water deviation accounting 48 hours after the difference in inflow occurred. BPA shall also calculate and apply to «Customer Name» a BOS Deviation Account balance that represents energy deviation accounting.

4.1 «Customer Name»’s SOAs shall be established for each Simulator Project each Scheduling Hour and shall account for the differences between forecasted and observed stream flow values. SOAs shall be applied as adjustments to «Customer Name»’s associated Simulator Project inflows 48 hours after the hour for which the SOA is calculated. For example, an SOA that is calculated for Grand Coulee for hour 14 shall be applied to Grand Coulee’s simulated inflow for Scheduling Hour 14 two calendar days later.

4.2 Beginning on October 1, 2028 and ending on «Customer Name»’s Slice Product End Date, «Customer Name»’s BOS Deviation Account, expressed in MWh, shall be equal to the sum of (1) the cumulative difference between (A) «Customer Name»’s BOS Base amount for each Scheduling Hour and (B) Actual BOS Generation multiplied by «Customer Name»’s Slice Percentage for each such hour, (2) the mathematical remainder resulting from rounding «Customer Name»’s hourly Slice Output Energy Request(SOER) to whole numbers, and (3) miscellaneous deviation adjustments, such as those related to fish spill discrepancies. «Customer Name»’s BOS Deviation Account balance shall be adjusted based on the following procedures:

4.2.1 Beginning on October 1, 2028 and ending on «Customer Name»’s Slice Product End Date, when the absolute value of «Customer Name»’s BOS Deviation Account balance, as of 2400 hours Pacific Prevailing Time on any calendar day, is greater than «Customer Name»’s Slice Percentage multiplied by 2400 MWh (Slice Percentage \*  2400 MWh), a BOS Deviation Return will be triggered 24 hours later for the next available scheduling day starting at HE 01 Pacific Prevailing Time. When a BOS Deviation Return is triggered, the following shall occur:

(1) «Customer Name»’s BOS Deviation Account balance shall be adjusted toward zero by an amount equal to «Customer Name»’s Slice Percentage multiplied by 2400 MWh (Slice Percentage \* 2400 MWh); and

(2) BOS Deviation Return amounts shall be applied to «Customer Name»’s total BOS amount, as described in section 4.5 of Exhibit L, for each hour of the next Slice Operating Day that «Customer Name» is preparing Customer Inputs for submission. For example, if «Customer Name»’s BOS Deviation Account balance associated with 2400 hours on a Monday, as determined the following Tuesday, triggers a BOS Deviation Return, then «Customer Name»’s total BOS amounts for the following Wednesday shall include BOS Deviation Return amounts. BOS Deviation Return amounts shall be rounded to the nearest tenth of a megawatt. BOS Deviation Return amounts shall be applied in equal amounts for each hour of the associated calendar day. Such BOS Deviation Return amounts shall be applied as positive or negative values in accordance with the sign of «Customer Name»’s BOS Deviation Balance that triggers the associated BOS Deviation Return.

4.2.2 Each calendar day the POCSA shall calculate the hourly deviation of observed and forecast BOS between hour ending 2300 of the previous day and hour ending 2200 Pacific Prevailing Time of the current day as well as any observed value that has changed in the previous 45 calendar days. The POCSA will apply this BOS deviation, expressed in MWh, to «Customer Name»’s BOS Deviation Account balance by an amount equal to «Customer Name»’s Slice Percentage multiplied by the BOS deviation calculated for each 45-day period.

4.3 «Customer Name» shall make all reasonable efforts to adjust its Simulated Operating Scenario to make its simulated forebay elevations equal to Power Services forecasted forebay elevations on «Customer Name»’s Slice Product End Date. Any differences between «Customer Name»’s simulated project forebays and the measured project forebays as of the Slice Product End Date shall be converted to energy amounts by multiplying such differences (simulated minus actual) by the associated federal downstream H/ks. The resulting energy amounts shall be summed with «Customer Name»’s BOS Deviation Account balance as of one month after the Slice Product End Date. The resulting amount of energy, expressed in MWh, if positive, shall be delivered by Power Services to «Customer Name», or if negative, delivered by «Customer Name» to Power Services, within the next 60 days after «Customer Name Slice Product End Date.

**5. OPERATING CONSTRAINT VIOLATIONS AND BOS FLEX VALIDATIONS**

5.1 **Operating Constraint Violations**

The Simulator is designed such that «Customer Name»’s Simulated Operating Scenario maintains compliance with all Hard and Absolute Operating Constraints that BPA can accurately model in the POCSA. BPA shall notify Slice Customers of any Hard or Absolute Operating Constraints that cannot be accurately modeled in the POCSA. «Customer Name» shall comply with such constraints in its Simulated Operating Scenario. However, BPA and «Customer Name» recognize there may be occasions where one or more Hard or Absolute Operating Constraints are violated within a Simulated Operating Scenario. In the event the Customer Inputs submitted by «Customer Name» result in the violation of one or more Hard or Absolute Operating Constraints in a final Simulated Operating Scenario, as established per section 3.3.7 of Exhibit L, BPA shall establish operating guidelines based upon its determination of how BPA would operate the system under similar conditions, such as operating to a minimum flow constraint, that «Customer Name» shall follow until such time as «Customer Name»’s final Simulated Operating Scenario is in compliance with all Operating Constraints. BPA may also, upon its determination that «Customer Name» could have reasonably avoided such Operating Constraint violation, apply a penalty pursuant to section 5.1.4 of this exhibit for as long as such Hard or Absolute Operating Constraint is violated based upon «Customer Name»’s final Simulated Operating Scenarios.

5.1.1 «Customer Name» shall be responsible for monitoring and anticipating potential Operating Constraint violations on a prospective basis and adjusting Customer Inputs as needed to maintain compliance.

5.1.2 Hourly Operating Constraint validations and violations associated with the Simulator Projects shall be based on Customer Inputs established by «Customer Name» in the SCA and submitted to BPA no later than the Customer Inputs submission deadline pursuant to section 4.1 of Exhibit F.

5.1.3 Grand Coulee’s Project Storage Bound (PSB) validations and «Customer Name»’s actions for associated violations shall be determined pursuant to section 6 of this exhibit.

5.1.4 BPA shall have the right to reduce «Customer Name»’s SOER by up to 100% of «Customer Name»’s total Simulated Output Energy Schedule for the Lower Columbia (LCOL) Complex for lower Columbia Simulator Project violations, or the Coulee-Chief Complex for Grand Coulee or Chief Joseph Simulator Project violations, on any Scheduling Hour, taking into account the extent to which BPA determines it would face consequences under similar conditions, subject to the following provisions:

5.1.4.1 Only for each Scheduling Hour in which «Customer Name»’s final Simulated Operating Scenarios are in violation of a Hard or Absolute Operating Constraint at one or more Simulator Projects, which includes instances where there is a Soft Constraint of the same value applicable to the same Simulator Project as the Hard or Absolute Operating Constraint that is violated;

5.1.4.2 Only to the extent BPA notifies «Customer Name» , pursuant to section 3.2.1 of Exhibit M, of the reduction at least 75 minutes prior to the Customer Input submission deadline pursuant to section 4.1. of Exhibit F for the applicable Slice Scheduling Day, and;

5.1.4.3 Only to the extent «Customer Name» fails to remedy the Operating Constraint violation prior to the Customer Input submission deadline pursuant to section 4.1 of Exhibit F.

5.2 **BOS Flex Validations**

Delivery Limit validations associated with BOS Flex amounts shall be based on «Customer Name»’s BOS Flex requests submitted to BPA as of the BOX Flex submission deadline pursuant to section 4.1 of Exhibit F. «Customer Name»’s BOS Flex schedules shall be limited to «Customer Name»’s Slice Percentage multiplied by such BOS Flex amounts.

**6. GRAND COULEE PROJECT STORAGE BOUNDS**

When Grand Coulee’s upper or lower PSB is established as either a Soft or Hard Operating Constraint, «Customer Name»’s simulated Grand Coulee forebay elevation shall be validated against such Grand Coulee’s PSB at least once each day pursuant to section 3.3.8 of Exhibit M. When Grand Coulee’s upper or lower PSB is established as an Absolute Operating Constraint, «Customer Name»’s simulated Grand Coulee forebay elevation shall be validated against such Grand Coulee’s PSB in each Shour in each day.

6.1 **Determination of Grand Coulee PSB**

Power Services shall estimate the upper and lower Grand Coulee PSB associated with the end of month requirement, and/or within month requirement, of the following three months as part of each 3‑month forecast submitted pursuant to section 8 of this exhibit and shall update such Grand Coulee PSB as conditions change and as needed to reflect updated Operating Constraints. To determine Grand Coulee’s PSBs, Power Services shall calculate the Storage Content associated with the Grand Coulee upper and lower ORCs as established by Operating Constraints in effect. Power Services shall apply a Storage Content difference between the upper and lower Grand Coulee PSB equivalent to at least ½‑foot at all times except when Grand Coulee is required to fill to 1290.0 feet for verification of refill or another specific elevation. Power Services may specify other conditions under which this ½‑foot difference does not apply.

6.2 **Application of the Grand Coulee PSB**

Power Services shall designate each Grand Coulee PSB that does not represent an Absolute Operating Constraint as either a Hard Operating Constraint or a Soft Operating Constraint. Unless designated otherwise by Power Services, Grand Coulee PSB associated with date-specific required forebay elevations shall be designated as Hard Operating Constraints and Grand Coulee PSB associated with interpolated points in effect on days between such date-specific required forebay elevations shall be designated as Soft Operating Constraints. «Customer Name» shall maintain its simulated Grand Coulee forebay elevation within the upper and lower Grand Coulee PSB that are designated as Hard Operating Constraints, or be subject to penalties as pursuant to section 5.1.4 of this exhibit. «Customer Name»’s simulated Grand Coulee forebay may exceed the upper or lower Grand Coulee PSB designated as Soft Operating Constraints without penalties. However, «Customer Name» recognizes that simulating Grand Coulee’s forebay outside of the upper or lower Grand Coulee PSB designated as Soft Operating Constraints increases «Customer Name»’s risk of violating the Grand Coulee PSB designated as Hard Operating Constraints and incurring the associated penalties.

**7. COMMUNICATIONS**

7.1 «Customer Name» shall be able to utilize the DUI, pursuant to section 5 of Exhibit L, to review the Simulator Parameters established by BPA.

7.2 BPA shall make reasonable efforts to promptly notify «Customer Name» of potential and significant system conditions or operational changes via e‑mail, XML messaging, and/or the daily conference call pursuant to section 7.4 of this exhibit.

7.3 BPA shall communicate Federal Operating Decisions and Prudent Operating Decisions to «Customer Name» in the following manner:

7.3.1 An initial listing and description of Federal Operating Decisions and Prudent Operating Decisions that affect the Simulator Projects and are in effect as of September 30, 2028;

7.3.2 A publication via the POCSA as soon as practicable after BPA is informed of Federal Operating Decisions, or BPA makes either Federal Operating Decisions or Prudent Operating Decisions affecting the Simulator Projects; and

7.3.3 A verbal report to the attendees during the next scheduled daily conference call pursuant to section 7.4 of this exhibit regarding Federal Operating Decisions or Prudent Operating Decisions that have a material impact on the operation of the Simulator Projects, BOS Complex, or Designated System Obligations.

7.4 Beginning September 28, 2028, and on each Business Day thereafter, BPA shall initiate an informational conference call with «Customer Name» and the other Slice Customers promptly at 1240 PM Pacific Prevailing Time to discuss current and upcoming operating parameters and other related matters. The time and frequency of the call may be changed upon the mutual agreement of BPA, «Customer Name», and the other Slice Operations Forum (SOF) members. «Customer Name» shall receive notice from BPA via e‑mail at least three Business Days prior to any such change.

**8. 3-MONTH FORECAST OF SLICE OUTPUT**

8.1 Prior to September 24, 2028 and prior to the 24th day of each month thereafter, BPA shall provide «Customer Name» with the results of a 3‑month forecast, pursuant to section 8.2 of this exhibit. BPA shall revise such forecast during the month in the event conditions change significantly and shall make such revised forecast available to «Customer Name» in a timely manner.

8.2 BPA, consistent with its internal study processes, shall perform two single-trace hydroregulation studies that incorporate the expected stream flow condition for the upcoming 3‑month period in weekly time periods. One study shall operate Grand Coulee as needed to satisfy the minimum Simulator Project flow constraint to attain the highest reservoir elevations possible at Grand Coulee, limited by its upper Operating Rule Curves, and one study shall operate Grand Coulee as needed to satisfy the Simulator Project maximum flow constraint in order to attain the lowest reservoir elevations possible at Grand Coulee, limited to its lower ORC. Both studies shall reflect a pass-inflow operation at all other Simulator Projects and the expected operation at all other Tier 1 System Resources and non-federal projects that are represented in the study, such as Brownlee,Seli’š Ksanka Qlispe’ Dam (SKQ), and the mid-Columbia projects. BPA shall initialize the starting reservoir Storage Content for each study equal to the Storage Contents projected to occur at midnight on the study initialization date. Based on the results of these studies, Power Services shall provide to «Customer Name» the weekly natural inflow, turbine discharge, generation, spill discharge, and ending elevation for each of the Simulator Projects, the Snake Complex projects, Libby, Hungry Horse, Dworshak, and Keenleyside (Arrow); the weekly generation forecasts for the sum of the remaining BOS projects, excluding CGS; the weekly CGS generation forecast; and the weekly forecast of the individual Designated System Obligations. BPA shall also provide a summary of weekly aggregated planned generator maintenance outages for all Tier 1 System Resources, expressed in total MW, as well as the estimated Grand Coulee upper and lower PSB associated with the end of month requirement and/or within month requirement for the study period.

**9. 12-MONTH FORECAST OF SLICE OUTPUT**

9.1 Prior to June 30, 2027, and prior to each June 30 thereafter during the term of this Agreement, BPA shall initiate a conference call with Slice Customers to discuss and review inputs, assumptions, and content of the Multiyear Hydroregulation Study used to develop the 12‑month forecast pursuant to section 9.4 of this exhibit.

9.2 Prior to July 31, 2027, and prior to each July 31 thereafter during the term of this Agreement, BPA shall provide «Customer Name» with results from the 12‑month forecast, pursuant to section 9.4 of this exhibit.

9.3 Prior to August 31, 2027, and prior to each August 31 thereafter during the term of this Agreement, BPA, «Customer Name», and other Slice Customers shall meet to discuss the results of the 12‑month forecast pursuant to section 9.4 of this exhibit.

9.4 BPA, consistent with its internal study processes, shall perform a single Multiyear Hydroregulation Study for the upcoming October through September period during the term of this Agreement that represents a range of potential stream flow traces, using the number of traces used by BPA for its internal study purposes. The study shall reflect Grand Coulee operating to its ORC at times when its upper and lower ORC are equal. At times when Grand Coulee’s upper and lower ORC are not equal, the study shall reflect Coulee operating in a manner that achieves all Simulator Project flow constraints when possible. The study shall represent a pass-inflow operation at all other Simulator Projects and the expected operation at all other Tier 1 System Resources and non-federal projects that are represented in the study, such as Brownlee, SKQ, and the mid-Columbia projects. BPA shall initialize the starting reservoir Storage Contents for this study at the Storage Contents projected to occur at midnight on the study initialization date. Based on the results of this study, BPA shall provide to «Customer Name» the monthly natural inflow, turbine discharge, generation, spill discharge, and ending elevation for each of the Simulator Projects, the Snake Complex projects, Libby, Hungry Horse, Dworshak, and Keenleyside (Arrow); the monthly generation forecasts for the sum of the remaining BOS projects, excluding CGS; the monthly CGS generation forecast; and the monthly forecast of the individual Designated System Obligations. Power Services shall also provide a summary of monthly aggregated planned generator maintenance outages, expressed in total MW, for all Tier 1 System Resources.

9.5 Any updates or revisions to the Multiyear Hydroregulation Study shall be completed at BPA’s sole discretion, including the decision to perform a subsequent Multiyear Hydroregulation Study to incorporate changes in operations.

**10. CONFIDENTIALITY**

BPA considers all prospective operational information associated with the Tier 1 System or any Tier 1 System Resource to be proprietary and business sensitive. Such information that is provided by BPA to «Customer Name» or its scheduling agent pursuant to Exhibit L or this Exhibit M shall be treated as confidential by «Customer Name». «Customer Name» and any third parties it has designated to use the POCSA shall execute a POCSA Access and Use Agreement with BPA pursuant to section 5.10 in the body of this Agreement. «Customer Name» shall limit its use of such information to its employees solely for the implementation of the terms of this Agreement. BPA reserves the right to withhold such operational information from scheduling agents that BPA determines are significant, active participants in WECC footprint wholesale power or transmission markets and that are not Slice Customers. If «Customer Name» enlists the services of a scheduling agent that is not a Slice Customer, then «Customer Name» shall require its scheduling agent to develop systems or procedures that create functional separation between Slice related operational information and the scheduling agent’s marketing functions.

**11. REVISIONS**

Revisions to this Exhibit M shall be by mutual agreement of the Parties**.**

(PS«X/LOC»- «File Name with Path».docx) «mm/dd/yy» *{Drafter’s Note: Insert date of finalized contract here}*