

**EXHIBIT C, REVISION NO. 8**  
**BONNEVILLE MANAGED FACILITIES AND OTHER FACILITIES**

*This Exhibit C, Revision No. 8 (Revision No. 8), incorporates the following: (1) the addition of North of Grizzly (GRZN) to the list of Bonneville Managed Facilities; (2) the removal of Boardman as an EIM Participating Resource for Portland General Electric Company Balancing Authority Area (BAA); (3) the addition of Apex Solar as an EIM Participating Resource for NorthWestern Corporation BAA; and (4) corrections to footnote numbering in section 5. This Revision No. 8 replaces Revision No. 7 in its entirety.*

**1. LIST OF BONNEVILLE MANAGED FACILITIES**

<b>BONNEVILLE MANAGED FACILITY</b>	<b>ACRONYM</b>	<b>STATE ESTIMATOR NAME</b>	<b>DSO</b>
Columbia Injection	COLINJ	COLINJ	336
Northwest – BC <sup>1</sup>	NI	WPTH03	320
North of Echo Lake	NOEL	INTNEL	348
North of Hanford	NOH	INTNH	340
Raver Paul	R-P	INTRP	307
South of Allston <sup>1</sup>	SOA	WPTH71	309
South of Custer	SOC	INTSOC	349
South of Raver	SOR	INTSOR	307
South of Boundary	SOB	INTSOB	308
Wanapum Injection	WANINJ	WANINJ	342
Cross Cascades North	WOCN	WPTH04	322
Cross Cascades South	WOCS	WPTH05	324
West of John Day	WOJD	INTWJD	347
West of McNary	WOM	INTWM	316
West of Slatt	WOS	INTWS	334
Northwest AC Intertie <sup>1,2</sup>	NWACI	NWACI	306
Montana-Northwest	PATH8	WPTH08	319
Satsop Injection	DNE	SATINJ	360
West of Lower Monumental	WOLM	INTWLM	314
West of Hatwai	WOH	WPTH06	325
Pacific DC Intertie <sup>1,3</sup>	PDCI	PDCI	301
North of Grizzly <sup>2</sup>	GRZN	GRZN	362

Each Bonneville Managed Facility is defined in the corresponding Bonneville Dispatch Standing Order (DSO) or its successor. South of Allston is the only Bonneville Managed Facility subject to Section 5.4 of the Agreement.

<sup>1</sup> Facility has bi-directional limits.

<sup>2</sup> Will not have Upper and Lower Rate of Change Limits as described in section 5.1 of the Agreement.

<sup>3</sup> PDCI will become a Bonneville Managed Facility once 15-minute scheduling has been fully enabled.

**2. ADDING OR REMOVING BONNEVILLE MANAGED FACILITIES**  
 Bonneville may add or remove Bonneville Managed Facilities to Section 1 of this Exhibit C by providing the CAISO’s lead representative on the Coordinating Committee with at least 120 days’ written notice. Per Section 6.1 of the Agreement, such additions or removals shall not be considered an amendment to the Agreement.

**3. OTHER FACILITIES WHERE CAISO WILL PROVIDE BONNEVILLE WITH EIM IMPACTS PER SECTION 5.3 OF THE AGREEMENT**

<b>PATH/FACILITY</b>	<b>ACRONYM</b>	<b>STATE ESTIMATOR NAME</b>
California Oregon Intertie	PATH66 (COI)	WPTH66
Alturas Project	PATH76 (RATS)	WPTH76
Idaho-Northwest	PATH14	WPTH14
Hemmingway-Summer Lake	PATH75	WPTH75

Each path or facility listed in this Section 3 of Exhibit C is defined in the WECC Path Rating Catalogue.

**4. ADDING OR REMOVING FACILITIES WHERE CAISO WILL PROVIDE BONNEVILLE WITH EIM IMPACTS PER SECTION 5.3 OF THE AGREEMENT**

The Coordinating Committee may agree to add or remove facilities listed in Section 3 of Exhibit C. These facilities may include facilities where Bonneville is not the Transmission Operator or the Transmission Provider. Per Section 6.1 of the Agreement, such additions or removals shall not be considered an amendment to the Agreement.

**5. LIST OF EIM PARTICIPATING RESOURCES SUBJECT TO UPPER AND LOWER RATE OF CHANGE LIMITS<sup>4</sup>**

The following EIM Participating Resources located in the PacifiCorp (PACW) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Jim Bridger, Chehalis, Goodnoe Hills, Hermiston, Leaning Juniper, Swift, and Yale.

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<sup>4</sup> The resources listed in this section may be part of two BAAs. Only the portion of the resource that is in the BAA specifically listed in Section 5 above is subject to the Upper and Lower Rate of Change Limits. The portion of the resource that is in another BAA is not subject to the Upper and Lower Rate of Change Limits unless otherwise listed in Section 5.

The following EIM Participating Resources located in the Puget Sound Energy, Inc. (PSEI) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Encogen, Ferndale, Frederickson 1 and 2, Fredonia 1 and 2, Fredonia 3 and 4, Goldendale, Mid-C (PSEI share)<sup>5</sup>, Wells (PSEI share), Wild Horse, Mint Farm, Skookumchuck Wind, Sumas, Upper Baker 1 and 2, and Whitehorn 2 and 3.

The following EIM Participating Resources located in the Portland General Electric Company (PGE) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Beaver, Biglow Canyon<sup>6</sup>, Carty, Coyote, Mid-C (PGE's share)<sup>7</sup>, Wells (PGE's share), Port Westward 1, Port Westward 2, Round Butte/Pelton, Wheatridge Wind, and Tucannon<sup>8</sup>.

Powerex's APR, as described in Schedule 1 of the EIM Participating Resource Agreement between CAISO and Powerex, are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits<sup>9</sup>.

The following EIM Participating Resources located in The City of Seattle, City Light Department (SCL) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Boundary, Ross, and Diablo<sup>10</sup>.

The following EIM Participating Resources located in the NorthWestern Corporation (NorthWestern Energy) (NWMT) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Black Eagle Solar, Big Timber Wind, Broadwater Dam, Yellowstone Energy LP, Colstrip 3 and 4, Crooked Falls, Fairfield Wind, Gordon Butte Wind, Green Meadow Solar, Great Divide Solar, Judith Gap Wind, Magpie Solar, Dave Gates, Basin Creek, Musselshell, Mystic, River Bend Solar, South Peak Wind, Spion Kopp Wind, Stillwater Wind, South Mills Solar, Turnbull Hydro, Two Dot Wind, Thompson Falls, and Apex Solar.

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<sup>5</sup> PGE and PSEI each have a share of the output of Mid-C resources owned by Grant and Chelan PUDs. These resources participate in hourly coordination and are modeled as an aggregate generation resource.

<sup>6</sup> Biglow Canyon and Tucannon will be subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits upon their move to PGE's Balancing Authority, which is scheduled to occur on December 14, 2017.

<sup>7</sup> See FN 5.

<sup>8</sup> See FN 6.

<sup>9</sup> CAISO will model Powerex's APR as distributed to physical locations based on hourly generation distribution factors, and using the net EIM transfer at the BC.US Border as indicated by the sum of EIM transfers to or from the BC Hydro BAA.

<sup>10</sup> Diablo may not initially participate in the EIM. However, if or when Diablo does participate, it will be subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits.

The following EIM Participating Resources located in the Avista Corporation Transmission (AVA) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Boulder Park GS, POPD Box Canyon, Cabinet Clearwater, Clearwater Load, Colstrip, Coyote Springs 2, Inland Empire Paper Load, Kaiser Load, Kettle Falls GS CT, Kettle Falls GS Biomass, Lancaster, Solar Select, Little Falls, Long Lake, MIDC (CHPD), MIDC (DOPD), MIDC (GCPD), Monroe Street, Nine Mile, Noxon, Northeast CT, Palouse, PlummerSaw Mill, POPUD Load, Post Falls, Rathdrum, Rattlesnake Flats, Upper Falls, Upriver, and Spokane Waste to Energy.

The following EIM Participating Resources located in the Tacoma Power (TPWR) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Alder, Cushman, and Mossyrock.

The following EIM Participating Resources located in the Bonneville Power Administration Transmission Services (BPAT) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Upper Columbia (an aggregate of Grand Coulee and Chief Joseph), Lower Snake (an aggregate of Ice Harbor, Lower Monumental, Lower Granite, and Little Goose), and Lower Columbia (an aggregate of Bonneville, The Dalles, John Day, and McNary).

The following EIM Participating Resources located in the Avangrid Renewables, LLC (AVRN) Balancing Authority Area are subject to the Upper Rate of Change Limits and the Lower Rate of Change Limits: Big Horn, Big Horn II, Bakeoven, Daybreak, Golden Hills, Hay Canyon, Juniper Canyon, Klondike III, Klondike IIIa, WyEast (Klon III feeder), Klondike I, Klondike II, Leaning Juniper II, Lund Hill, Montague, Montague Solar, Pebble Springs, Grant County PUD Slice, Chelan County PUD Slice, Star Point, Klamath Cogen Unit 1, and Klamath Peaker 901.

**6. ADDING OR REMOVING EIM PARTICIPATING RESOURCES THAT ARE SUBJECT TO UPPER AND LOWER RATE OF CHANGE LIMITS**

Bonneville may determine that certain other EIM Participating Resources not listed in Section 5 of Exhibit C have a non-de minimus impact on the Bonneville transmission system. Upon such a determination, Bonneville may add those EIM Participating Resources to Section 5 of Exhibit C upon 120 days' notice to CAISO. If Bonneville determines that certain EIM Participating Resources listed in Section 5 of Exhibit C no longer have an impact on the Bonneville transmission system, those EIM Participating Resources will be removed from Section 5 of Exhibit C. Per Section 6.1 of the Agreement, such additions or removals shall not be considered an amendment to the Agreement.