

**EXH. PKW-48C  
DOCKETS UE-190529/UG-190530  
UE-190274/UG-190275  
2019 PSE GENERAL RATE CASE  
WITNESS: PAUL K. WETHERBEE**

**BEFORE THE  
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent.**

**Docket UE-190529  
Docket UG-190530 (*Consolidated*)**

**In the Matter of the Petition of**

**PUGET SOUND ENERGY**

**For an Order Authorizing Deferral  
Accounting and Ratemaking Treatment  
for Short-life IT/Technology Investment**

**Docket UE-190274  
Docket UG-190275 (*Consolidated*)**

**FOURTEENTH EXHIBIT (CONFIDENTIAL) TO THE  
PREFILED REBUTTAL TESTIMONY OF**

**PAUL K. WETHERBEE**

**ON BEHALF OF PUGET SOUND ENERGY**

**REDACTED  
VERSION**

**JANUARY 15, 2020**



**Puget Sound Energy  
BPA Transmission Costs  
2019 GRC Rebuttal Power Cost Update**

REDACTED VERSION

RATES	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	2019 GRC Rebuttal Update	2019 GRC Proposed	Increase/ (Decrease)
	\$1,533	\$0,317	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$0,000
Long-term PTP (\$/KW/month)	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$1,533	\$0,000
Scheduling, syst. control, & dispatch (\$/KW/month)	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,317	\$0,000
Energy Imbalance Service (calculated rate, \$/MWh)	\$0,149	\$0,207	\$0,462	\$0,592	\$0,455	\$0,402	\$0,431	\$0,371	\$0,371	\$0,431	\$0,371	\$0,248	\$0,397	\$0,409	(\$0,012)
Spinning Reserve (\$/MWh)	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$9,530	\$0,000
Supplemental Reserve (\$/MWh)	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$8,320	\$0,000
Regulating Reserves (\$/KW/month)	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,100	\$0,000
Following Reserves (\$/KW/month)	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,400	\$0,000
Imbalance Reserves (\$/KW/month)	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,430	\$0,000
Klondike IIR VERBS (\$/KW/month)	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$1,090	\$0,000
<b>CHARGES</b>	744	744	744	744	744	744	744	744	744	744	744	744	\$	\$	\$
<b>Total Douglas/Walk IR charges (\$)</b>	255	255	255	255	255	255	255	255	255	255	255	255	255	255	\$
Priest Rapids / Midway (MW)	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$390,915	\$4,690,980	\$4,690,980	\$0
Long-term PTP charges (\$)	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$80,835	\$970,020	\$970,020	\$0
Scheduling & dispatch charges (\$)	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$471,750	\$5,661,000	\$5,661,000	\$0
<b>Total Priest Rapids / Midway charges (\$)</b>	400	400	400	400	400	400	400	400	400	400	400	400	400	400	\$0
Rock Island (MW)	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$613,200	\$7,358,400	\$7,358,400	\$0
Long-term PTP charges (\$)	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$126,800	\$1,521,600	\$1,521,600	\$0
Scheduling & dispatch charges (\$)	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$740,000	\$8,880,000	\$8,880,000	\$0
<b>Total Rock Island charges (\$)</b>	360	360	360	360	360	360	360	360	360	360	360	360	360	360	\$0
Rocky Reach (MW)	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$551,880	\$6,622,560	\$6,622,560	\$0
Long-term PTP charges (\$)	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$114,120	\$1,369,440	\$1,369,440	\$0
Scheduling & dispatch charges (\$)	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$666,000	\$7,992,000	\$7,992,000	\$0
<b>Total Rocky Reach charges (\$)</b>	520	520	520	520	520	520	520	520	520	520	520	520	520	520	\$0
Wanapum / Vantage (MW)	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$797,160	\$9,565,920	\$9,565,920	\$0
Long-term PTP charges (\$)	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$164,840	\$1,978,080	\$1,978,080	\$0
Scheduling & dispatch charges (\$)	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$962,000	\$11,544,000	\$11,544,000	\$0
<b>Total Wanapum / Vantage charges (\$)</b>	316	316	316	316	316	316	316	316	316	316	316	316	316	316	\$0
Wells / Seckler (MW)	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$484,428	\$5,813,136	\$5,813,136	\$0
Long-term PTP charges (\$)	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$100,172	\$1,202,064	\$1,202,064	\$0
Scheduling & dispatch charges (\$)	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$584,600	\$7,015,200	\$7,015,200	\$0
<b>Total Wells / Seckler charges (\$)</b>	30	30	30	30	30	30	30	30	30	30	30	30	30	30	\$0
Spokane (MW)	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$1,729,224	\$1,729,224	\$0
Long-term PTP charges (\$)	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$357,576	\$357,576	\$0
Scheduling & dispatch charges (\$)	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$2,086,800	\$2,086,800	\$0
<b>Total Spokane charges (\$)</b>	94	94	94	94	94	94	94	94	94	94	94	94	94	94	\$0
Montana / Garrison (MW)	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$144,102	\$1,729,224	\$1,729,224	\$0
Long-term PTP charges (\$)	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$29,798	\$357,576	\$357,576	\$0
Scheduling & dispatch charges (\$)	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$173,900	\$2,086,800	\$2,086,800	\$0
<b>Total Montana / Garrison charges (\$)</b>	30	30	30	30	30	30	30	30	30	30	30	30	30	30	\$0
Klhamie / Newport (MW)	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$45,990	\$551,880	\$551,880	\$0
Long-term PTP charges (\$)	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$9,510	\$114,120	\$114,120	\$0
Scheduling & dispatch charges (\$)	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$55,500	\$666,000	\$666,000	\$0
<b>Total Klhamie / Newport charges (\$)</b>	5	5	5	5	5	5	5	5	5	5	5	5	5	5	\$0
Covington for Clymer (MW)	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$7,665	\$91,980	\$91,980	\$0
Long-term PTP charges (\$)	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$1,585	\$19,020	\$19,020	\$0
Scheduling & dispatch charges (\$)	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$9,250	\$110,000	\$110,000	\$0
<b>Total Covington for Clymer charges (\$)</b>	100	100	100	100	100	100	100	100	100	100	100	100	100	100	\$0
CW Paul / Centralia (MW)	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$153,300	\$1,839,600	\$1,839,600	\$0
Long-term PTP charges (\$)	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$31,700	\$380,400	\$380,400	\$0
Scheduling & dispatch charges (\$)	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$2,220,000	\$2,220,000	\$0
<b>Total CW Paul / Centralia charges (\$)</b>	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$46,176,000	\$46,176,000	\$0

**Puget Sound Energy  
BPA Transmission Costs  
2019 GRC Rebuttal Power Cost Update**

REDACTED VERSION

	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	2019 GRC Rebuttal Update	2019 GRC Proposed	Increase/ (Decrease)
11539		137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	137 (80,41)	-
		\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$153,525	\$1,842,304	\$1,842,304	\$0
		\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$43,429	\$521,148	\$521,148	\$0
		\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$196,954	\$2,363,452	\$2,363,452	\$0
12195		297	297	297	297	297	297	297	297	297	297	297	297	297	-
		\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$455,301	\$5,463,612	\$5,463,612	\$0
		\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$94,149	\$1,129,788	\$1,129,788	\$0
		\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$11,226	\$1,347,334	\$1,347,334	\$0
		\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$660,676	\$7,940,734	\$7,940,734	\$0
12195		328	328	328	328	328	328	328	328	328	328	328	328	328	-
		\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$502,824	\$6,033,888	\$6,033,888	\$0
		\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$103,976	\$1,247,712	\$1,247,712	\$0
		\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$606,800	\$7,281,600	\$7,281,600	\$0
		\$1,464,431	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$17,585,786	\$17,585,786	\$0
<b>Total Gas Fired Generation</b>															
12195		300	300	300	300	300	300	300	300	300	300	300	300	300	-
		\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$919,800	\$11,037,600	\$11,037,600	\$0
		\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$190,200	\$2,282,400	\$2,282,400	\$0
		\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$1,110,000	\$13,320,000	\$13,320,000	\$0
12195		663	663	663	663	663	663	663	663	663	663	663	663	663	-
		\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$1,016,379	\$12,196,548	\$12,196,548	\$0
		\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$210,171	\$2,522,052	\$2,522,052	\$0
		\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$406,844	\$4,882,128	\$4,882,128	\$0
		\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$12,200	\$146,400	\$146,400	\$0
		\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$22,522	\$270,264	\$270,264	\$0
		\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$1,668,116	\$20,017,392	\$20,017,392	\$0
<b>Total Colstrip and PC&amp;E exchange (\$)</b>															
12195		154	154	154	154	154	154	154	154	154	154	154	154	154	-
		\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$236,082	\$2,832,984	\$2,832,984	\$0
		\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$48,818	\$585,816	\$585,816	\$0
		\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$284,900	\$3,418,800	\$3,418,800	\$0
		\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$15,660	\$187,920	\$187,920	\$0
		\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$62,640	\$751,680	\$751,680	\$0
		\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$67,338	\$808,056	\$808,056	\$0
		\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$145,638	\$1,747,636	\$1,747,636	\$0
		XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	-250
		1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	0.00%
		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	\$7,352
		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(\$316)
		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(\$311)
		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(\$7,419)
		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(\$7,419)

**Puget Sound Energy  
BPA Transmission Costs  
2019 GRC Rebuttal Power Cost Update**

REDACTED VERSION

	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	2019 GRC Rebuttal Update	2019 GRC Proposed	Increase/ (Decrease)
Lower Snake River MW	340	340	340	340	340	340	340	340	340	340	340	340	340	340	
Long-term PTP charges (\$)	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$521,220	\$6,254,640	\$6,254,640	\$0
Scheduling & dispatch charges (\$)	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$107,780	\$1,293,360	\$1,293,360	\$0
Subtotal LSR fixed PTP charges (\$)	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$629,000	\$7,548,000	\$7,548,000	\$0
Regulating reserves charges on 342.7 MW (\$)	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$34,270	\$411,240	\$411,240	\$0
Following reserves charges on 342.7 MW (\$)	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$137,080	\$1,644,960	\$1,644,960	\$0
Imbalance reserves charges on 342.7 MW (\$)	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$147,361	\$1,768,332	\$1,768,332	\$0
Subtotal LSR fixed VERBS charges (\$)	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$318,711	\$3,824,532	\$3,824,532	\$0
LSR rate year generation (MWh)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Billing factor for spin & supplemental reserves	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	0.00%
Generator imbalance charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Spinning reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Supplemental reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Subtotal LSR variable charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Customer interest on prepaid LGIA costs (\$)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$188,168)	(\$2,154,470)	(\$2,154,470)	(\$19,437)
<b>Total Lower Snake River transmission charges (\$)</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>
Klondike III MW	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Long-term PTP charges (\$)	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$76,650	\$919,800	\$919,800	\$0
Scheduling & dispatch charges (\$)	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$15,850	\$190,200	\$190,200	\$0
Subtotal Klondike III fixed PTP charges (\$)	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$92,500	\$1,110,000	\$1,110,000	\$0
Klondike III fixed VERBS charges @ 50% (\$)	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$27,250	\$327,000	\$327,000	\$0
LSR rate year generation (MWh)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Billing factor for spin & supplemental reserves	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	2.50%	0.00%
Spinning reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Supplemental reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Subtotal Klondike III variable charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
<b>Total Klondike III transmission charges (\$)</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>
Wild Horse Grant PUD UFT charges (\$)	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$13,246	\$158,952	\$158,952	\$0
<b>Total Wild Horse transmission charges (\$)</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$13,246</b>	<b>\$158,952</b>	<b>\$158,952</b>	<b>\$0</b>
<b>Total Wild</b>	<b>\$1,378,452</b>	<b>\$1,392,919</b>	<b>\$1,401,279</b>	<b>\$1,414,160</b>	<b>\$1,406,074</b>	<b>\$1,400,469</b>	<b>\$1,402,492</b>	<b>\$1,415,176</b>	<b>\$1,404,087</b>	<b>\$1,416,082</b>	<b>\$1,424,671</b>	<b>\$1,408,569</b>	<b>\$16,864,231</b>	<b>\$16,891,087</b>	<b>(\$26,856)</b>
Centralex PPA rate year energy (MWh)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Billing factor for spin & supplemental reserves	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	0.00%
Spinning reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
Supplemental reserves charges (\$)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
<b>Total Centralex PPA transmission charges (\$)</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>
<b>Total Centralex PPA</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>	<b>XXXXXX</b>
O&M and other firm transmission charges															
UFT Maple Valley (\$)	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$12,772	\$153,264	\$153,264	\$0
UFT Sedro Woolley Tap (\$)	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$1,692	\$1,692	\$0
O&M Kitsap (\$)	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$17,424	\$17,424	\$0
O&M Clatsop (\$)	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$7,296	\$7,296	\$0
O&M Harvatum-EE Closure (\$)	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$6,384	\$6,384	\$0
O&M Olympia (\$)	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$1,452	\$17,424	\$17,424	\$0
O&M CW Paul (\$)	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$1,649	\$19,788	\$19,788	\$0
O&M Covington-White River (\$)	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$754	\$9,048	\$9,048	\$0
O&M Bellingham (\$)	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$532	\$6,384	\$6,384	\$0
O&M Covington (\$)	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$66	\$792	\$792	\$0
O&M Covington-Berridge (\$)	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$608	\$7,296	\$7,296	\$0
O&M Kitsap-Bremerton (\$)	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$476	\$5,712	\$5,712	\$0
AC-95 SINT Non Fed O&M, Tid AC Interic (\$)	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$97,600	\$1,171,200	\$1,171,200	\$0
<b>Total other firm transmission charges</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$119,250</b>	<b>\$1,431,000</b>	<b>\$1,431,000</b>	<b>\$0</b>
<b>Non-firm/secondary transmission charges</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$6,499</b>	<b>\$77,985</b>	<b>\$77,985</b>	<b>\$0</b>

End Charges

Puget Sound Energy  
BPA Transmission Costs  
2019 GRC Rebuttal Power Cost Update

REDACTED VERSION

	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	2019 GRC Rebuttal Update	2019 GRC Proposed	Increase/ (Decrease)
<i>Total rate year costs summary</i>															
Total Douglas/Wells IR charges (\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Mid-C and market purchases (\$)	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$3,848,000	\$46,176,000	\$46,176,000	\$0
Total gas-fired generation (\$)	\$1,464,431	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$1,465,692	\$17,585,786	\$17,585,786	\$0
Total gas-fired exchange (\$)	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$2,778,116	\$33,337,392	\$33,337,392	\$0
Total wind (\$)	\$1,378,452	\$1,392,919	\$1,401,279	\$1,414,160	\$1,406,074	\$1,400,469	\$1,402,492	\$1,415,176	\$1,404,087	\$1,416,082	\$1,424,671	\$1,408,369	\$16,864,231	\$16,864,231	(\$26,856)
Total Centralia PPA (\$)	75,698	73,256	75,698	75,698	73,256	75,698	73,256	75,698	75,698	68,373	73,256	73,256	\$891,286	\$891,286	\$0
Total other firm transmission charges (\$)	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$119,250	\$1,431,000	\$1,431,000	\$0
Total non-firm/secondary transmission charges (\$)	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$6,499	\$77,985	\$77,985	\$0
<b>Total BPA transmission costs</b>	<b>\$9,670,446</b>	<b>\$9,682,471</b>	<b>\$9,694,534</b>	<b>\$9,707,415</b>	<b>\$9,696,887</b>	<b>\$9,693,725</b>	<b>\$9,693,306</b>	<b>\$9,708,432</b>	<b>\$9,697,343</b>	<b>\$9,702,012</b>	<b>\$9,717,926</b>	<b>\$9,699,182</b>	<b>\$116,363,681</b>	<b>\$116,390,537</b>	<b>(\$26,856)</b>

Rate year: May 2020 through April 2021