

**EXH. PKW-28C  
DOCKET UE-200980  
2020 PSE PCORC  
WITNESS: PAUL K. WETHERBEE**

**BEFORE THE  
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY,**

**Respondent**

**Docket UE-200980**

**THIRD EXHIBIT TO THE PREFILED SUPPLEMENTAL DIRECT  
TESTIMONY (CONFIDENTIAL) OF**

**PAUL K. WETHERBEE**

**ON BEHALF OF PUGET SOUND ENERGY**

**REDACTED  
VERSION**

**FEBRUARY 2, 2021**

Puget Sound Energy  
Aurora Cost and Energy Outputs

2020 PCORC Supplemental

Shaded information is designated as confidential per Protective Order in Docket UE-200980

		2020 PCORC Supplemental														
Average	Units	Acct.	(\$ in thousands)	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Rate Year Total
	\$	555H	Lower Baker	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Upper Baker	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Snoqualmie	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Canadian Entitlement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Mid C Priest Rapids Project	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Mid C Rock Island	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Mid C Rocky Reach	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555H	Mid C Wells	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	501	Colstrip 3&4													
	\$	547	Goldendale													
	\$	547	Mint Farm													
	\$	547	Sumas													
	\$	547	Freddy 1													
	\$	547	Encogen													
	\$	547	Fredonia 1&2													
	\$	547	Fredonia 3&4													
	\$	547	Frederickson 1&2													
	\$	547	Whitehorn 2&3													
	\$	547	Ferndale													
	\$	548	Crystal Mountain													
	\$	555	Centralia coal PPA													
	\$	555	Colstrip 4 PPA													
	\$	555WS	Lund Hill													
	\$	555WS	Skookumchuck													
	\$	555WS	Hopkins Ridge													
	\$	555WS	Wild Horse													
	\$	555WS	Wild Horse Expansion													
	\$	555WS	Lower Snake River													
	\$	555WS	Klondike III													
	\$	555WS	Golden Hills													
	\$	555H	Electron													
	\$	555H	Energy Keepers													
	\$	555	SPI Biomass													
	\$	555	Morgan Stanley PPA													
	\$	555	Baker Replacement													
	\$	555	Glacier Battery Storage													
	\$	555	PG&E Exchange	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$	555	Point Roberts	\$64	\$71	\$70	\$66	\$79	\$110	\$136	\$133	\$107	\$108	\$85	\$72	\$1,103
	\$	555H	Koma Kulshan	\$544	\$370	\$168	\$167	\$308	\$313	\$179	\$257	\$148	\$145	\$292	\$385	\$3,477
	\$	555H	Twin Falls	\$531	\$155	\$7	\$90	\$312	\$528	\$471	\$595	\$520	\$555	\$806	\$832	\$5,399
	\$	555H	Weeks Falls	\$102	\$29	\$1	\$4	\$48	\$96	\$86	\$110	\$95	\$103	\$155	\$164	\$993
	\$	555	Schedule 91	\$1,381	\$1,441	\$1,391	\$1,218	\$1,146	\$1,075	\$1,011	\$556	\$541	\$687	\$747	\$834	\$12,030
	\$	447	PSE hedges sale													
	\$	555	PSE hedges purchase													
	\$	555MP	Market purchase													
	\$	447	Market sale													
	\$	555MP	Green Direct replacemen													
	\$	555MP	80-year hydro adjustmen													
	\$		<b>Tota</b>													\$493,208
	\$		Subtotal AURORA cost													\$493,208

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**Puget Sound Energy  
Aurora Cost and Energy Outputs**

**2020 PCORC Supplemental**

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		2020 PCORC Supplemental												Rate Year Total	
Average	Units	Acc'l	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	
		<b>Energy (Mwh)</b>													
MWh	555H	Lower Baker	(17,660)	(18,340)	(17,660)	(16,811)	(15,873)	(15,877)	(15,691)	(15,037)	(13,802)	(16,335)	(16,585)	(16,585)	(196,257)
MWh	555H	Upper Baker	36,477	35,485	38,134	27,986	27,912	34,738	37,628	38,489	33,334	33,220	32,501	35,493	411,337
MWh	555H	Snoqualimi	52,599	51,126	53,221	40,366	40,684	50,204	54,046	58,652	51,217	48,496	48,403	54,521	603,534
MWh	555H	Canadian Entitlement	154,900	142,041	134,935	88,789	89,460	114,823	126,687	145,425	125,027	112,610	121,826	157,848	1,514,371
MWh	555H	Mid C Priest Rapids Project	136,082	132,053	124,190	72,548	58,283	72,328	63,064	69,368	60,526	68,637	86,517	104,887	1,048,484
MWh	501	Mid C Rocky Reach													
MWh	501	Mid C Wells													
MWh	501	Colstrip 3&													
MWh	547	Goldendale													
MWh	547	Mint Farm													
MWh	547	Mint Farm													
MWh	547	Sumas													
MWh	547	Freddy 1													
MWh	547	Encoge													
MWh	547	Fredonia 1&2													
MWh	547	Fredonia 3&4													
MWh	547	Frederickson 1&2													
MWh	547	Whitehorn 2&													
MWh	547	Ferdale													
MWh	548	Crystal Mountai													
MWh	555	Centralia coal PPA													
MWh	555	Colstrip 4 PPA													
MWh	555WS	Lund Hill													
MWh	555WS	Skookumchuc													
MWh	555WS	Hopkins Ridg													
MWh	555WS	Wild Hors													
MWh	555WS	Wild Horse Expansio													
MWh	555WS	Lower Snake Rive													
MWh	555WS	Klondike II													
MWh	555WS	Golden Hill													
MWh	555H	Electro													
MWh	555	Energy Keeper													
MWh	555	SPI Biomas													
MWh	555	Morgan Stanley PPA													
MWh	555	Baker Replacement													
MWh	555	Glacier Battery Stora													
MWh	555	PG&E Exchange	(56,224)	(105,486)	(136,797)	(114,493)	-	129,936	185,059	52,526	45,479	-	-	-	7,000
MWh	555	Point Roberts	1,202	1,324	1,317	1,238	1,481	2,066	2,544	2,500	2,009	2,031	1,584	1,354	20,652
MWh	555H	Koma Kulislan	6,480	4,378	1,992	1,976	3,644	3,704	2,121	3,037	1,745	1,718	3,454	6,914	41,164
MWh	555H	Twin Falls	7,075	2,061	87	1,194	4,154	7,043	6,274	7,930	6,936	7,406	10,740	11,090	71,991
MWh	555H	Weeks Falls	1,353	393	13	60	642	1,277	1,141	1,467	1,270	1,377	2,067	2,180	13,240
MWh	555	Schedule 911	17,186	17,804	17,090	14,962	13,987	13,111	12,172	7,946	7,647	9,739	10,735	12,083	154,462
MWh	447	PSE Hedges Sale													
MWh	555	PSE Hedges Purchase													
MWh	555MP	Market Purchase													
MWh	447	Market Sale													
MWh	555MP	Green Direct replacemen													
MWh	555MP	80-year hydro adjustmen													
<b>MWh</b>		<b>Totals</b>	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	20,803,205
		Subtotal AURORA Energy	0	(0)	(0)	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)	0

Rate year: June 2021 through May 2022  
Gas price date: 1/12/2021

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Puget Sound Energy  
Aurora Cost and Energy Outputs

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2020 PCORC Supplemental

		2020 PCORC Initial Filing												Increase / (Decrease)		
Average	Units	Account	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Rate Year Total	
		Energy (Mwh)														
		Lower Bake	(17,660)	(18,340)	(17,660)	(16,811)	(15,873)	(15,877)	(15,691)	(15,037)	(13,802)	(16,335)	(16,585)	(16,585)	(196,257)	0
		Upper Bake	36,044	35,558	38,034	27,980	28,025	35,141	37,894	38,705	33,662	33,496	32,929	35,884	413,350	(2,013)
		Snoqualmie	51,785	51,260	53,187	40,380	40,770	50,056	54,051	58,861	51,482	48,431	48,620	54,462	603,345	189
		Canadian Entitlement	155,971	142,758	134,932	88,777	89,491	115,245	126,371	145,443	125,380	112,742	122,072	158,122	1,517,305	(2,934)
		Mid C Priest Rapids Project	134,389	131,145	124,178	72,536	58,388	72,776	63,144	69,510	60,594	68,942	86,247	104,393	1,046,241	2,243
		Mid C Rocky Reach														
		Mid C Wells														
		Colstrip 3&4														
		Goldendale														
		Mwh 547														
		Mint Farm														
		Sumas														
		Freddy 1														
		Encogen														
		Fredonia 1&2														
		Fredonia 3&4														
		Frederickson 1&2														
		Whitehorn 2&3														
		Ferndale														
		Crystal Mountain														
		Centralia coal PPA														
		Colstrip 4 PPA														
		Lund Hill														
		Skookumchuck														
		Hopkins Ridge														
		Wild Horse														
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		Lower Snake River														
		Klondike II														
		Golden Hills														
		Electron														
		Energy Keepers														
		SPI Biomass														
		Morgan Stanley PPA														
		Baker Replacement														
		Glacier Battery Storage														
		PG&E Exchange	(56,224)	(105,486)	(136,797)	(114,493)	-	129,936	185,059	52,526	45,479	-	-	-	(0)	0
		Point Roberts	1,202	1,324	1,317	1,238	1,481	2,066	2,544	2,500	2,009	2,031	1,584	1,354	20,652	0
		Koma Kulshah	6,480	4,378	1,992	1,976	3,644	3,704	2,121	3,037	1,745	1,718	3,454	6,914	41,164	0
		Twin Falls	7,075	2,061	87	1,194	4,154	7,043	6,274	7,930	6,936	7,406	10,740	11,090	71,991	0
		Weeks Falls	1,353	393	13	60	642	1,277	1,141	1,467	1,270	1,377	2,067	2,180	13,240	0
		Schedule 91	17,186	17,804	17,090	14,952	13,987	13,111	12,172	7,946	7,647	9,739	10,735	12,083	154,462	0
		PSE Hedges Sales														
		PSE Hedges Purchases														
		Market Purchases														
		Market Sales														
		Green Direct replacement														
		80-year hydro adjustment														
		<b>Total</b>	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	20,803,205	0
		Subtotal AURORA Energy	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	20,803,205	(0)

Rate year: June 2021 through May 2022  
Gas price date: 1/12/2021

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