

**EXH. PKW-12C  
DOCKET UE-20\_\_\_\_  
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-20\_\_\_\_**

**ELEVENTH EXHIBIT (CONFIDENTIAL) TO THE  
PREFILED DIRECT TESTIMONY OF**

**PAUL K. WETHERBEE**

**ON BEHALF OF PUGET SOUND ENERGY**

**REDACTED  
VERSION**

**DECEMBER 9, 2020**

Puget Sound Energy  
Aurora Cost and Energy Outputs  
2020 PCORC

Shaded information is designated as confidential per WAC 480-07-160

Average Units	ACCEL.	(\$ in thousands)	2020 PCORC												Rate Year Total		
			Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22			
\$	555H	Lower Baker	\$0	\$0	\$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	\$0	\$0
\$	555H	Snoqualmie	\$0	\$0	\$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	\$0	\$0
\$	555H	Mid C Priest Rapids Project	\$0	\$0	\$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	\$0	\$0
\$	555H	Mid C Rocky Reach	\$0	\$0	\$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	\$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 II															
\$	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	\$0	\$0
\$	555	Point Roberts	\$64	\$71	\$70	\$66	\$79	\$110	\$110	\$136	\$133	\$107	\$108	\$85	\$72	\$1,108	
\$	555H	Koma Kulshart	\$544	\$370	\$168	\$167	\$308	\$313	\$471	\$257	\$148	\$292	\$145	\$585	\$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	\$989		
\$	555	Schedule 91	\$1,381	\$1,441	\$1,991	\$1,218	\$1,146	\$1,075	\$1,011	\$556	\$541	\$687	\$747	\$834	\$12,030		
\$	447	PSE hedges sales															
\$	555	PSE hedges purchases															
\$	555MP	Market purchases															
\$	447	Market sales															
\$	555MP	Green Direct replacement															
\$	555MP	80-year hydro adjustment															
\$		<b>Total</b>															
\$		Subtotal AURORA cost															\$484,943
		check															\$484,943

REDACTED VERSION



Puget Sound Energy  
**Aurora Cost and Energy Outputs**  
 2020 PCORC

Shaded information is designated as confidential per WAC 480-07-160

		2019 GRC Final Order												Increase / (Decrease)			
Average Units	Acct.	(\$ in thousands)	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Rate Year Total		
\$	555H	Lower Baker	\$0	\$0	\$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	\$0	\$0
\$	555H	Snoqualmie	\$0	\$0	\$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	\$0	\$0
\$	555H	Mid C Priest Rapids Project	\$0	\$0	\$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	\$0	\$0
\$	555H	Mid C Rocky Reach	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555H	Mid C Wellis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	501	Colstrip 3&4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Goldendale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Mint Farm	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Sumas	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Freddy 1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Encogen	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Fredonia 1&2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Fredonia 3&4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Frederickson 1&2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Whitehorn 2&3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	547	Ferrisdale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	548	Crystal Mountain	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	Centralia coal PPA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	Colstrip 4 PPA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Lund Hill	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Skookumchuck	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Hopkins Ridge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Wild Horse	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Wild Horse Expansion	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Lower Snake River	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Klondike III	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555WS	Golden Hills	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555H	Electron	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555H	Energy Keepers	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	SPI Biomass	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	Morgan Stanley PPA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	Baker Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	Glacier Battery Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	PG&E Exchange	\$108	\$96	\$106	\$105	\$99	\$118	\$165	\$203	\$200	\$167	\$163	\$127	\$1,658	(\$555)	
\$	555H	Point Roberts	\$490	\$625	\$452	\$187	\$120	\$241	\$335	\$218	\$200	\$127	\$119	\$188	\$3,302	\$176	
\$	555H	Koma Kulshan	\$874	\$740	\$259	\$28	\$34	\$200	\$509	\$547	\$566	\$463	\$522	\$657	\$5,399	(\$0)	
\$	555H	Twin Falls	\$168	\$155	\$50	\$5	\$5	\$36	\$95	\$98	\$93	\$76	\$82	\$130	\$993	(\$0)	
\$	555	Schedule 91	\$1,643	\$1,608	\$1,659	\$1,577	\$1,383	\$1,292	\$1,233	\$1,169	\$1,174	\$1,073	\$1,311	\$1,400	\$16,522	(\$4,493)	
\$	447	PSE hedges sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555	PSE hedges purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555MP	Market purchases	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	447	Market sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555MP	Green Direct replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$	555MP	80-year hydro adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$		<b>Total</b>	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$523	
\$		<b>Subtotal AURORA cost</b>	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$494,910	\$523	

Puget Sound Energy  
Aurora Cost and Energy Outputs  
2020 PCORC

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		2019 GRC Final Order												Increase / (Decrease)	
Average	Units	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Rate Year Total	
	<b>Energy (MWh)</b>														
	Lower Baker	(12,064)	(12,002)	(12,464)	(12,002)	(11,788)	(12,096)	(11,334)	(10,728)	(9,803)	(9,049)	(11,664)	(11,232)	(136,225)	(60,031)
	MWh 555H	39,599	42,562	41,821	39,629	28,501	29,110	37,891	39,596	2,683	2,199	3,666	3,921	311,176	102,174
	Upper Baker	62,235	62,205	58,822	54,418	40,903	41,869	52,705	57,088	60,541	52,857	50,604	51,248	645,493	(42,147)
	MWh 555H	170,375	171,800	151,935	136,808	89,336	90,894	118,982	129,268	147,919	125,464	116,105	126,774	1,575,658	(58,353)
	Snoqualmie	96,684	99,887	94,792	85,425	54,595	54,997	69,775	40,423	30,438	26,502	55,023	61,147	769,690	276,551
	Mid C Priest Rapids Project														
	Mid C Rock Island														
	Mid C Rocky Reach														
	Mid C Wellis														
	Colstrip 3&4														
	Goldendale														
	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														
	Wild Horse Expansion														
	Lower Snake River														
	Klondike III														
	Golden Hills														
	Electron														
	Energy Keepers														
	SPI Biomass														
	Morgan Stanley PPA														
	Baker Replacement														
	Glacier Battery Storage														
	PG&E Exchange	(49,129)	(110,376)	(110,376)	(134,738)	(118,757)		126,724	181,278	58,801	46,197			0	(0)
	Point Roberts	1,356	1,201	1,327	1,318	1,239	1,479	2,063	2,542	2,499	2,082	2,034	1,585	20,726	(74)
	Koma Kulshan	5,946	7,586	5,469	2,269	1,453	2,919	4,052	2,644	2,418	1,535	1,437	2,279	40,006	1,158
	Twin Falls	11,654	9,860	3,448	378	459	2,670	6,786	7,300	7,551	6,170	6,954	8,761	71,991	(0)
	Weeks Falls	2,243	2,073	671	67	61	478	1,268	1,301	1,243	1,009	1,093	1,737	13,243	(9)
	Schedule 91	20,889	20,609	21,425	20,311	17,665	16,176	14,990	14,162	15,059	14,182	17,199	18,631	211,297	(56,835)
	PSE Hedges Sales														
	PSE Hedges Purchases														
	Market Purchases														
	Market Sales														
	Green Direct replacement														
	80-year hydro adjustment														
	<b>Total</b>														
	Subtotal AURORA Energy														
		23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	23,152,655	(2,349,450)
															(2,349,450)

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Rate year June 2021 through May 2022  
Gas price date 10/21/2020

REDACTED VERSION