

**EXH. PKW-11C  
DOCKETS UE-170033/UG-170034  
2017 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-170033  
Docket UG-170034**

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

**PAUL K. WETHERBEE**

**ON BEHALF OF PUGET SOUND ENERGY**

**REDACTED  
VERSION**

**APRIL 3, 2017**

**PUGET SOUND ENERGY**  
**2017 GRC Supplemental vs 2016 Power Costs Update Power Costs Comparison**  
(dollars in thousands)

**REDACTED VERSION**

A/C	Contract/Resource	17GRC Supplemental (Jan18-Dec18)		2016 Power Costs Update (Dec16-Nov17)		Increase / (Decrease) Costs			2016 Power Cost Update MWH	Change Incr/(Descr) MWH	
		AUORO	NIM	Total	AUORO	NIM	Total	AUORO			Other
		Prices = 2.3.17		Prices = 8.26.16							
555H	Lower Baker	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Upper Baker	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Snoqualmie Falls	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Canadian EA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(188,285)	XXXXXX
555H	Mid-C Rocky Island	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	681,645	XXXXXX
555H	Mid-C Rocky Reach	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	1,632,335	XXXXXX
555H	Mid-C Priest Rapids Project	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	61,440	XXXXXX
555H	Mid-C Douglas Wells	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	932,340	XXXXXX
555H	Wells PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
501	Colstrip 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
501	Colstrip 3&4	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Goldendale	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Mint Farm	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Sumas	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Freddy J	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Enogen	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Fredonia 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Fredonia 3&4	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Fredericksom 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Whitehorn 2&3	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Ferndale	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	KlamathPeak	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Hopkins Ridge	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wild Horse	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wild Horse Expansion	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	LSR1	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Klondike Wind PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Baker Replacement	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Barclays PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	PG&E Exchange	(0)	(0)	5	5	(5)	(5)	(5)	(5)	179	(187)
555	Point Roberts BC Hydro	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Centralia PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Electron PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	QF Hutchinson Hydro	-	-	4	4	(4)	(4)	(4)	(4)	105	(105)
555	QF Koma Kulshan	3,252	-	3,184	-	68	-	68	39,681	39,088	592
555	QF Twin Falls	5,408	-	5,251	-	157	-	157	72,109	70,014	2,095
555	QF Weeks Falls	993	-	961	-	33	-	33	13,246	12,807	439
555	WNP-3 Exchange BPA Firm	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	WNP-3 Return	-	-	-	-	-	-	-	-	-	-

**REDACTED VERSION**

**PUGET SOUND ENERGY**  
**2017 GRC Supplemental vs 2016 Power Costs Update Power Costs Comparison**  
(dollars in thousands)

**REDACTED VERSION**

A/C	Contract/Resource	17GRC Supplemental (Jan18-Dec18)		2016 Power Costs Update (Dec16-Nov17)		Increase / (Decrease) Costs		2017 GRC Supplemental MWh	2016 Power Cost Update MWh	Change Incr/(Descr) MWh
		AUROYA	NIM	Total	AUROYA	Other	Total			
555	Sch91/Contracts	11,395	-	11,395	10,473	922	-	119,031	119,045	(14)
447	Market Sale PSE's	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555	Market Purchase PSE's	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555MP	Market Purchase	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
447	Market Sale	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555	Peak Planning	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555	BEP Amortization	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555	Douglas Settlement Pymt	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
557	Other Power Costs	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
565	Transmission	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555H	Chelan Amort	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
456	MTM & Sales of Excess Gas	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
555W	Wind Integration Costs	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
547	Gas Transportation & Oil	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
547	Major Maintenance Adj	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
547	Balancing & Contingency Reserves	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
557	EIM Power Costs	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
447	EIM Benefits	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
	<b>Total</b>	<b>\$486,732</b>	<b>\$ 250,979</b>	<b>\$737,710</b>	<b>\$714,041</b>	<b>\$23,669</b>	<b>\$10,941</b>	<b>23,272,547</b>	<b>22,932,514</b>	<b>340,034</b>
501	Coal	63,960	16,977	80,938	96,576	(15,639)	(15,458)	4,224,064	4,996,495	(772,431)
547	Natural Gas	83,902	47,905	131,807	182,224	(50,417)	(61,246)	3,767,197	6,554,988	(2,787,791)
555	Purchased Power	209,392	52	209,444	267,221	(57,778)	(52,461)	4,284,736	5,905,392	(1,620,665)
555W	Wind	8,539	3,281	11,819	13,330	(1,511)	(1,068)	2,074,319	2,195,964	(121,645)
555H	Hydro	8,637	84,385	93,022	76,669	16,352	5,822	4,491,055	4,403,114	87,941
565	Other Power Costs	-	11,489	11,489	8,296	3,193	-	-	-	-
555MP	Transmission	135,179	-	135,179	110,460	24,719	-	-	-	-
447	Market Purchases	(22,877)	(8,471)	(31,348)	(76,441)	45,093	81,789	5,248,250	2,052,303	3,195,948
456	Non-Core Gas	(17,535)	(17,535)	(35,070)	(17,685)	17,385	(8,471)	(817,064)	(3,175,742)	2,358,678
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$737,710</b>	<b>\$714,041</b>	<b>\$23,669</b>	<b>\$10,941</b>	<b>23,272,547</b>	<b>22,932,514</b>	<b>340,034</b>
								<b>Avg \$/MWh</b>	<b>Avg \$/MWh</b>	
								<b>\$ 31.70</b>	<b>\$ 31.14</b>	<b>\$ 0.56</b>

Note: Items that changed from the original filing are in bold and italics.

REDACTED  
VERSION