

**EXH. PKW-14C
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**

**SIXTH 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 Contingent Calculation vs 2017 GRC Supplemental Power Costs Comparison
(dollars in thousands)

REDACTED VERSION

A/C	Contract/Resource	2017 GRC Suppl Contingent Calc (Jan18-Dec18)		2017 GRC Suppl (Jan18-Dec18)		Increase / (Decrease) Costs		Contingent Calc		Change Incr/(Decr) MWH		
		AURORA	NIM	Total	AURORA	NIM	Total	AURORA	Other		Total	2017 GRC Supplemental MWH
555H	Lower Baker	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Upper Baker	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Snoqualmie Falls	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Canadian EA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Rock Island	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Rocky Reach	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Priest Rapids Project	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Mid-C Douglas Wells	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Wells PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
501	Colstrip 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
501	Colstrip 3&4	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Goldendale	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Mint Farm	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Sumas	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Freddy I	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Encogen	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Fredonia 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Fredonia 3&4	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Frederickson 1&2	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Whitehorn 2&3	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Ferndale	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	KlamathPeaker	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Hopkins Ridge	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wild Horse	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wild Horse Expansion	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	LSRI	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Klondike Wind PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Baker Replacement	-	-	-	-	-	-	-	-	-	7,009	-
555	Barclays PPA	-	-	-	-	-	-	-	-	-	-	-
555	PG&E Exchange	-	-	(0)	(0)	-	-	-	-	-	(8)	-
555	Point Roberts BC Hydro	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Centralia PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Electron PPA	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	QF Hutchinson Hydro	-	-	-	-	-	-	-	-	-	-	-
555	QF Koma Kulshan	3,252	-	3,252	-	3,252	-	-	-	-	39,681	-
555	QF Twin Falls	5,408	-	5,408	-	5,408	-	-	-	-	72,109	-
555	QF Weeks Falls	993	-	993	-	993	-	-	-	-	13,246	-
555	WNP-3 Exchange BPA Firm	-	-	-	-	-	-	-	-	-	-	-
555	WNP-3 Return	-	-	-	-	-	-	-	-	-	-	-

**REDACTED
VERSION**

PUGET SOUND ENERGY
2017 GRC Supplemental Contingent Calculation vs 2017 GRC Supplemental Power Costs Comparison
(dollars in thousands)

REDACTED VERSION

A/C	Contract/Resource	2017 GRC Suppl Contingent Calc (Jan18- Dec18) Prices = 2.3.17		2017 GRC Suppl (Jan18- Dec18) Prices = 2.3.17		Increase / (Decrease) Costs		Contingent Calc		Change Incr/(Decr) MWH		
		AURORA	NIM	Total	AURORA	NIM	Total	AURORA	Other		Total	2017 GRC Supplemental MWH
555	Sch91Contracts	11,395	-	11,395	11,395	-	-	-	-	119,031	119,031	-
447	Market Sale PSE's	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Market Purchase PSE's	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555MP	Market Purchase	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
447	Market Sale	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Peak Planning	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	BEP Amortization	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Douglas Settlement Pymt	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
557	Other Power Costs	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
565	Transmission	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Chelan Amort	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
456	MTM & Sales of Excess Gas	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wind Integration Costs	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Gas Transportation & Oil	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Major Maintenance Adj	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
557	Balancing & Contingency Reserves	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
447	EIM Power Costs	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
447	EIM Benefit	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
	Total	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
	ck s/b zero					\$250,979	\$737,710				23,272,547	
						\$486,732						
501	Coal	XXXXXX	XXXXXX	XXXXXX	XXXXXX	16,977	80,938	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
547	Natural Gas	XXXXXX	XXXXXX	XXXXXX	XXXXXX	83,902	131,807	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555	Purchased Power	XXXXXX	XXXXXX	XXXXXX	XXXXXX	209,392	209,444	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555W	Wind	XXXXXX	XXXXXX	XXXXXX	XXXXXX	8,539	11,819	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555H	Hydro	XXXXXX	XXXXXX	XXXXXX	XXXXXX	8,637	93,022	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
557	Other Power Costs	XXXXXX	XXXXXX	XXXXXX	XXXXXX	-	11,489	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
565	Transmission	XXXXXX	XXXXXX	XXXXXX	XXXXXX	112,895	112,895	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
555MP	Market Purchases	XXXXXX	XXXXXX	XXXXXX	XXXXXX	135,179	135,179	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
447	Secondary Sales	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(22,877)	(31,348)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
456	Non-Core Gas	XXXXXX	XXXXXX	XXXXXX	XXXXXX	(17,535)	(17,535)	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
	Total	XXXXXX	XXXXXX	XXXXXX	XXXXXX	\$250,979	\$737,710	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
		\$0	\$0	\$0	\$0	0	0	0	0	Avg \$/MWh	Avg \$/MWh	31.70
										XXXXXX	XXXXXX	XXXXXX

**REDACTED
VERSION**