

EXHIBIT NO. ____ (RG-18C)
DOCKET NO. UE-07 ____
2007 PSE PCORC
WITNESS: ROGER GARRATT

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY, INC.,

Respondent.

Docket No. UE-07 ____

**SEVENTEENTH EXHIBIT (CONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF
ROGER GARRATT
ON BEHALF OF PUGET SOUND ENERGY, INC.**

**REDACTED
VERSION**

MARCH 20, 2007

Goldendale Costs Summary - Excluding Fuel Costs

Days		30	31	30	31	31	29	31	30	31	30	31	31	9/07 - 8/08
Fixed Gas Transport Costs		Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Rate Year
NWP Capacity	Dth	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
DF Capacity	Dth	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	2,272	
XXXXXXXXXXXXXXXXXXXX	\$/Dth	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
Demand Charge on DF (NWP)	\$/Dth	\$ 0.3798	\$ 0.3798	\$ 0.3798	\$ 0.3798	\$ 0.3881	\$ 0.3881	\$ 0.3881	\$ 0.3881	\$ 0.3881	\$ 0.3881	\$ 0.3881	\$ 0.3881	
XXXXXXXXXXXXXXXXXXXX	\$	\$ 237,614	\$ 245,534	\$ 237,614	\$ 245,534	\$ 245,534	\$ 229,693	\$ 245,534	\$ 237,614	\$ 245,534	\$ 237,614	\$ 245,534	\$ 245,534	\$ 2,898,885
Demand Costs DF (NWP)	\$	\$ 2,562	\$ 2,648	\$ 2,562	\$ 2,648	\$ 2,046	\$ 2,531	\$ 2,705	\$ 2,618	\$ 2,705	\$ 2,618	\$ 2,705	\$ 2,705	\$ 31,056
Exchange Fee PSEE to PSEG	\$	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 20,833	\$ 250,000
Local Lateral Charge	\$	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 10,781	\$ 129,372
Total Fixed Costs	\$	\$ 271,790	\$ 279,796	\$ 271,790	\$ 279,796	\$ 279,194	\$ 263,838	\$ 279,854	\$ 271,846	\$ 279,854	\$ 271,846	\$ 279,854	\$ 279,854	\$ 3,309,313
Fixed Power Transmission		Sep-07	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Rate Year
BPA PTP	\$/kw-mo	1.216	1.298	1.298	1.298	1.298	1.298	1.298	1.298	1.298	1.298	1.298	1.298	
BPA Scheduled	\$/kw-mo	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	0.203	
BPA Reactive	\$/kw-mo	0.085	-	-	-	-	-	-	-	-	-	-	-	
Short-Term Firm Harvalum-Mid C	\$/kw-mo	1.680	1.860	1.800	1.860	1.860	1.740	1.860	1.800	1.860	1.800	1.860	1.860	
Short-Term Firm Scheduled	\$/kw-mo	0.303	0.310	0.300	0.310	0.310	0.290	0.310	0.300	0.310	0.300	0.310	0.310	
Short-Term Firm Reactive	\$/kw-mo	0.120	-	-	-	-	-	-	-	-	-	-	-	
PTP Capacity	MW	250	250	250	250	250	250	250	250	250	250	250	250	250
Extra Primary Capacity	MW	2	2	2	2	2	2	2	2	2	2	2	2	2
DF Capacity	MW	25	25	25	25	25	25	25	25	25	25	25	25	25
DF Capacity Factor	%	25.6%	11.5%	18.9%	3.1%	2.4%	10.0%	6.1%	3.0%	1.0%	0.6%	10.0%	10.9%	8.5%
Primary Firing CF	%	76.8%	72.5%	75.4%	64.9%	63.4%	69.2%	66.7%	63.7%	62.3%	16.9%	67.9%	69.2%	64.1%
Total BPA Charge	\$	\$ 376,000	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 375,250	\$ 4,503,750
Total Short-Term Firm	\$	\$ 16,665	\$ 9,386	\$ 13,113	\$ 4,513	\$ 4,082	\$ 7,859	\$ 6,196	\$ 4,265	\$ 3,262	\$ 1,018	\$ 8,377	\$ 8,902	\$ 87,638
Total KPUD Fee	\$	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 120,026	\$ 1,440,310
BPA Payment to PSE Reactive	\$	\$ (31,845)												\$ (31,845)
Total Fixed Costs	\$	\$ 480,846	\$ 504,662	\$ 508,389	\$ 499,789	\$ 499,357	\$ 503,135	\$ 501,472	\$ 499,540	\$ 498,537	\$ 496,294	\$ 503,653	\$ 504,178	\$ 5,999,853
Variable Power Transmission														
AURORA Generation Primary	MWh	139,396	135,853	136,849	121,683	118,936	121,303	125,015	115,497	116,854	30,727	127,274	129,809	1,419,195
AURORA Generation DF	MWh	4,599	2,140	3,410	582	455	1,732	1,132	545	191	105	1,862	2,022	18,776
Spinning Variable	\$/MWh	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	
Supplemental Variable	\$/MWh	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	0.278	
Variable Transmission	\$	\$ 79,932	\$ 76,600	\$ 77,858	\$ 67,869	\$ 66,274	\$ 68,297	\$ 70,024	\$ 64,415	\$ 64,972	\$ 17,115	\$ 71,683	\$ 73,180	\$ 798,218
Total Var Costs	\$	\$ 79,932	\$ 76,600	\$ 77,858	\$ 67,869	\$ 66,274	\$ 68,297	\$ 70,024	\$ 64,415	\$ 64,972	\$ 17,115	\$ 71,683	\$ 73,180	\$ 798,218
Total Transmission Costs	\$	\$ 560,777	\$ 581,262	\$ 586,247	\$ 567,658	\$ 565,632	\$ 571,431	\$ 571,496	\$ 563,956	\$ 563,509	\$ 513,409	\$ 575,337	\$ 577,358	\$ 6,798,070
Production O&M														
Fixed Production O&M	\$	\$ 386,136	\$ 386,136	\$ 386,136	\$ 386,136	\$ 452,013	\$ 452,013	\$ 452,013	\$ 452,013	\$ 452,013	\$ 452,013	\$ 452,013	\$ 452,013	\$ 5,160,648
Var Production O&M	\$/MWh	\$ 2.90	\$ 2.90	\$ 2.90	\$ 2.90	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91	\$ 2.91
Total Generation	MWh	143,995	137,993	140,259	122,264	119,392	123,035	126,147	116,043	117,045	30,832	129,136	131,831	1,437,971
Total Var Production O&M	\$	\$ 417,210	\$ 399,819	\$ 406,386	\$ 354,248	\$ 347,980	\$ 358,599	\$ 367,669	\$ 338,219	\$ 341,140	\$ 89,863	\$ 376,380	\$ 384,237	\$ 4,181,748
Total Production O&M	\$	\$ 803,346	\$ 785,955	\$ 792,522	\$ 740,384	\$ 799,993	\$ 810,612	\$ 819,682	\$ 790,232	\$ 793,153	\$ 541,876	\$ 828,393	\$ 836,250	\$ 9,342,396
Variable Fuel Costs														
Total Generation	MWh	143,995	137,993	140,259	122,264	119,392	123,035	126,147	116,043	117,045	30,832	129,136	131,831	1,437,971
AURORA Variable Fuel Costs	\$	\$ 7,411,802	\$ 7,247,431	\$ 8,371,508	\$ 7,806,025	\$ 7,551,704	\$ 7,801,287	\$ 7,731,031	\$ 5,890,525	\$ 5,890,004	\$ 1,584,035	\$ 6,785,735	\$ 7,100,821	\$ 81,171,908
Avg Cost	\$/MWh	\$ 51.47	\$ 52.52	\$ 59.69	\$ 63.85	\$ 63.25	\$ 63.41	\$ 61.29	\$ 50.76	\$ 50.32	\$ 51.38	\$ 52.55	\$ 53.86	\$ 56.45
Goldendale Cost Summary:														
Fixed Gas Transport Costs	\$	\$ 271,790	\$ 279,796	\$ 271,790	\$ 279,796	\$ 279,194	\$ 263,838	\$ 279,854	\$ 271,846	\$ 279,854	\$ 271,846	\$ 279,854	\$ 279,854	\$ 3,309,313
Fixed Power Transmission	\$	\$ 480,846	\$ 504,662	\$ 508,389	\$ 499,789	\$ 499,357	\$ 503,135	\$ 501,472	\$ 499,540	\$ 498,537	\$ 496,294	\$ 503,653	\$ 504,178	\$ 5,999,853
Variable Power Transmission	\$	\$ 79,932	\$ 76,600	\$ 77,858	\$ 67,869	\$ 66,274	\$ 68,297	\$ 70,024	\$ 64,415	\$ 64,972	\$ 17,115	\$ 71,683	\$ 73,180	\$ 798,218
Production O&M	\$	\$ 803,346	\$ 785,955	\$ 792,522	\$ 740,384	\$ 799,993	\$ 810,612	\$ 819,682	\$ 790,232	\$ 793,153	\$ 541,876	\$ 828,393	\$ 836,250	\$ 9,342,396
Variable Fuel Costs	\$	\$ 7,411,802	\$ 7,247,431	\$ 8,371,508	\$ 7,806,025	\$ 7,551,704	\$ 7,801,287	\$ 7,731,031	\$ 5,890,525	\$ 5,890,004	\$ 1,584,035	\$ 6,785,735	\$ 7,100,821	\$ 81,171,908
Total Goldendale Power Costs	\$	\$ 9,047,715	\$ 8,894,444	\$ 10,022,067	\$ 9,393,863	\$ 9,196,523	\$ 9,447,168	\$ 9,402,063	\$ 7,516,558	\$ 7,526,519	\$ 2,911,166	\$ 8,469,319	\$ 8,794,282	\$ 100,621,686

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