

**EXH. SEF-32
DOCKETS UE-190529/UG-190530
UE-190274/UG-190275
2019 PSE GENERAL RATE CASE
WITNESS: SUSAN E. FREE**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-190529
Docket UG-190530 (*Consolidated*)**

In the Matter of the Petition of

PUGET SOUND ENERGY

**For an Order Authorizing Deferral
Accounting and Ratemaking Treatment
for Short-life IT/Technology Investment**

**Docket UE-190274
Docket UG-190275 (*Consolidated*)**

**FIFTEENTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED REBUTTAL TESTIMONY OF**

SUSAN E. FREE

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 15, 2020

ATTACHMENT B TO PSE'S RESPONSE TO WUTC STAFF DATA REQUEST NO. 227
EXAMPLE SCHEDULE B REFLECTING PROPOSED GREEN DIRECT PROGRAM REPORTING WHEN USAGE EXCEEDS GENERATION- UTILIZING SCHEDULE B FILED IN UE-190324.

Current Row	Row	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Period to Date	
1	Total Variable Component Actua														
2	Steam Operating Fuel	\$ 7,465,493	\$ 5,529,480	\$ 7,578,249	\$ 3,572,343	\$ 3,955,994	\$ 4,844,305	\$ 7,111,385	\$ 8,016,072	\$ 7,814,447	\$ 8,911,566	\$ 7,823,334	\$ 7,670,634	\$ 79,934,192	
3	Net Power Generation Fuel	\$ 48,599,383	\$ 39,279,982	\$ 52,924,682	\$ 27,176,662	\$ 27,176,662	\$ 29,816,192	\$ 45,489,372	\$ 41,635,009	\$ 47,098,446	\$ 46,190,327	\$ 42,905,482	\$ 68,631,090	\$ 64,233,957	\$ 683,903,381
4	Purchased & Interchange	\$ 1,743,799	\$ 473,656	\$ 601,940	\$ 1,057,400	\$ 1,163,559	\$ 1,801,241	\$ 1,019,238	\$ 1,253,009	\$ 834,012	\$ 1,570,366	\$ 38,142,340	\$ 19,181,380	\$ 569,154,811	
5	Purchased Sales of Non-Core Gas	\$ 31,295	\$ 61,045	\$ 24,569	\$ 33,508	\$ 38,958	\$ 33,720	\$ 18,378	\$ 35,164	\$ 45,333	\$ 51,916	\$ 37,804	\$ 34,974	\$ 19,181,380	
6	Breaker Fees	\$ 2,689,153	\$ 3,954,384	\$ 4,363,962	\$ 2,828,175	\$ 1,650,704	\$ 2,922,238	\$ 13,113,901	\$ 13,214,374	\$ 15,504,103	\$ 15,504,103	\$ 12,739,441	\$ 12,348,843	\$ 89,270,813	
7	Sales to Others	\$ 9,742,317	\$ 9,688,270	\$ 9,531,005	\$ 9,472,832	\$ 9,156,580	\$ 9,392,381	\$ 9,285,812	\$ 10,038,659	\$ 9,786,187	\$ 9,970,355	\$ 9,839,390	\$ 9,944,030	\$ 89,270,813	
8	Wheeling	\$ 111,694	\$ 127,402	\$ 127,402	\$ 178,554	\$ 127,402	\$ 127,402	\$ 127,402	\$ 127,402	\$ 127,402	\$ 127,402	\$ 127,402	\$ 127,402	\$ 1,346,488	
9	Subtotal Electric Energy Tax	\$ 65,638,964	\$ 59,131,288	\$ 58,565,925	\$ 50,197,217	\$ 46,845,436	\$ 44,820,031	\$ 63,469,923	\$ 63,254,783	\$ 45,504,843	\$ 58,200,403	\$ 45,403,891	\$ 71,318,034	\$ 672,198,708	
10	Subtotal Variable Components														
11															
12															
13	Adjustments														
14	Centralia PPA ROR Equity Adjustment	\$ 421,253	\$ 380,486	\$ 420,687	\$ 407,664	\$ 421,253	\$ 407,664	\$ 421,253	\$ 407,664	\$ 421,253	\$ 408,230	\$ 421,253	\$ 421,253	\$ 4,958,989	
15	N/A Energy Imbalance Market Fixed Cost Adjustment	\$ -	\$ 1,409,878	\$ 704,939	\$ 704,939	\$ 704,939	\$ 176,267	\$ 616,827	\$ 616,827	\$ 616,827	\$ 616,827	\$ 616,827	\$ 616,827	\$ 7,401,924	
16	Total allowable costs	\$ 66,058,217	\$ 60,921,662	\$ 59,711,451	\$ 51,309,820	\$ 47,771,688	\$ 45,403,962	\$ 64,507,079	\$ 64,322,663	\$ 46,529,334	\$ 59,238,483	\$ 46,428,948	\$ 72,356,114	\$ 684,559,621	
17															
18															
19															
20	13 PCA period delivered load (Kwh)	2,043,401,774	1,899,158,579	1,870,588,174	1,653,902,980	1,504,372,645	1,471,897,731	1,637,601,475	1,561,173,442	1,431,797,979	1,652,765,986	1,804,882,931	2,082,786,340	20,704,280,036	
21															
22															
23	Variable Baseline Rate														
24	Dec 19, 2017 - \$0.022895	\$ 67,217,701	\$ 65,433,371	\$ 61,532,011	\$ 54,405,139	\$ 49,486,338	\$ 48,418,076	\$ 53,888,901	\$ 51,354,800	\$ 47,098,995	\$ 54,367,737	\$ 59,371,624	\$ 68,512,599	\$ 681,067,292	
25	Baseline Variable Power Costs	\$ 67,217,701	\$ 65,433,371	\$ 61,532,011	\$ 54,405,139	\$ 49,486,338	\$ 48,418,076	\$ 53,888,901	\$ 51,354,800	\$ 47,098,995	\$ 54,367,737	\$ 59,371,624	\$ 68,512,599	\$ 681,067,292	
26															
27	Imbalance for Sharing	\$ (1,159,484)	\$ (4,511,709)	\$ (1,820,560)	\$ (3,095,319)	\$ (1,714,650)	\$ (3,014,114)	\$ 10,638,178	\$ 12,968,063	\$ (569,661)	\$ 4,870,746	\$ (12,942,676)	\$ 3,843,515	\$ 3,492,329	
28	Surcharge or underrecovery/(refund or overrecovery)	\$ (1,159,484)	\$ (4,511,709)	\$ (1,820,560)	\$ (3,095,319)	\$ (1,714,650)	\$ (3,014,114)	\$ 10,638,178	\$ 12,968,063	\$ (569,661)	\$ 4,870,746	\$ (12,942,676)	\$ 3,843,515	\$ 3,492,329	
29															
30	Less Firm Wholesale														
31	Dec 19, 2017 - 0.03344%	\$ (1,159,097)	\$ (4,510,201)	\$ (1,819,951)	\$ (3,094,283)	\$ (1,714,077)	\$ (3,013,106)	\$ 10,634,621	\$ 12,963,726	\$ (569,470)	\$ 4,869,117	\$ (12,938,348)	\$ 3,842,230	\$ 3,491,161	
32		\$ (1,159,097)	\$ (4,510,201)	\$ (1,819,951)	\$ (3,094,283)	\$ (1,714,077)	\$ (3,013,106)	\$ 10,634,621	\$ 12,963,726	\$ (569,470)	\$ 4,869,117	\$ (12,938,348)	\$ 3,842,230	\$ 3,491,161	
33	Gross PCA	\$ (1,159,097)	\$ (4,510,201)	\$ (1,819,951)	\$ (3,094,283)	\$ (1,714,077)	\$ (3,013,106)	\$ 10,634,621	\$ 12,963,726	\$ (569,470)	\$ 4,869,117	\$ (12,938,348)	\$ 3,842,230	\$ 3,491,161	
34	Gross PCA Contra	\$ 1,159,097	\$ 4,510,201	\$ 1,819,951	\$ 3,094,283	\$ 1,714,077	\$ 3,013,106	\$ (10,634,621)	\$ (12,963,726)	\$ 569,470	\$ (4,869,117)	\$ 12,938,348	\$ (3,842,230)	\$ (3,491,161)	
35		\$ 1,159,097	\$ 4,510,201	\$ 1,819,951	\$ 3,094,283	\$ 1,714,077	\$ 3,013,106	\$ (10,634,621)	\$ (12,963,726)	\$ 569,470	\$ (4,869,117)	\$ 12,938,348	\$ (3,842,230)	\$ (3,491,161)	
36	Cumulative Gross PCA	\$ (5,689,297)	\$ (7,489,249)	\$ (7,489,249)	\$ (10,588,532)	\$ (12,297,609)	\$ (15,310,715)	\$ (4,678,094)	\$ 8,287,632	\$ 7,718,162	\$ 12,587,279	\$ (351,069)	\$ 3,491,161	\$ 3,491,161	
37	Cumulative Gross PCA Contra	\$ 1,159,097	\$ 5,689,297	\$ 7,489,249	\$ 10,588,532	\$ 12,297,609	\$ 15,310,715	\$ 4,678,094	\$ (8,287,632)	\$ (7,718,162)	\$ (12,587,279)	\$ 351,069	\$ (3,491,161)	\$ (3,491,161)	
38		\$ 1,159,097	\$ 5,689,297	\$ 7,489,249	\$ 10,588,532	\$ 12,297,609	\$ 15,310,715	\$ 4,678,094	\$ (8,287,632)	\$ (7,718,162)	\$ (12,587,279)	\$ 351,069	\$ (3,491,161)	\$ (3,491,161)	
39															
40	Schedule 139 Revenue & Energy Costs														
41	PCA period Schedule 139 delivered load (Kwh)	2,000,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	2,000,000	3,000,000	20,500,000	
42	Renewable Energy PPA (Generated Kwhs)	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	20,000,000	
43	(Short)/Excess Renewable Energy Generated (Kwh) (Note 2)	(333,333)	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	166,667	(333,333)	(1,333,333)	(500,000)	
44	PPA REC's for Schedule 139 Customers	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	1,666,667	20,000,000	
45	RECs purchased for Schedule 139 customers													500,000	
46	RECs for PSE optimization														
47															
48	Baseline Power Cost														
49	Schedule 139 Resource Option Energy Charge	\$ 91,500	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 91,500	\$ 137,250	\$ 937,875	
50	Schedule 139 Revenue for PPAs	\$ 91,500	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 91,500	\$ 137,250	\$ 937,875	
51		\$ 91,500	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 68,625	\$ 91,500	\$ 137,250	\$ 937,875	
52	Allowable Renewable Energy Power Cost for Sch 1	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 915,000	
53	REC Purchases	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000	
54	Total Allowable Power Costs for Schedule 139	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 77,250	\$ 916,000	
55		\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 76,250	\$ 77,250	\$ 916,000	
56	Schedule 139 Imbalance	\$ (15,250)	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ (15,250)	\$ (60,000)	\$ (21,875)	
57	Underrecovery/overrecovery	\$ (15,250)	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ (15,250)	\$ (60,000)	\$ (21,875)	
58		\$ (15,250)	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ 7,625	\$ (15,250)	\$ (60,000)	\$ (21,875)	
59	Excess REC Value	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
60		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
61	(Note 1) 1st year Skookumchuck PPA cost, which is also the basis used in														
62	(Note 2) If Schedule 139 customers usage exceeds PPA output in a given year, the energy used by Schedule 139 customer in excess of the PPA output is provided by the overall energy supply portfolio.														
63	(Note 3) Amounts recorded will be based on actual PPA costs per the invoices, but estimated costs have been calculated for this example														
64															
65															
66															