Exh. JL-21 Dockets UE-190529/UG-190530 and UE-190274/UG-190275 (consolidated) Witness: Jing Liu

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,	DOCKETS UE-190529 and UG-190530 (consolidated)
Complainant,	
v.	
PUGET SOUND ENERGY, Respondent.	
In the Matter of the Petition of PUGET SOUND ENERGY	DOCKETS UE-190274 and UG-190275 (consolidated)
For an Order Authorizing Deferral Accounting and Ratemaking Treatment for Short-life UT/Technology Investment	

EXHIBIT TO TESTIMONY OF

Jing Liu

STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

PSE Response to AWEC Data Request 20

November 22, 2019

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BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Dockets UE-190529 & UG-190530 Puget Sound Energy 2019 General Rate Case

AWEC DATA REQUEST NO. 020

"CONFIDENTIAL" Table of Contents

DR NO.	"CONFIDENTIAL" Material
020	Shaded information is designated as CONFIDENTIAL per Protective Order in Dockets UE-190529 and UG-190530 as marked in Attachment A to Puget Sound Energy's Response to AWEC Data Request No. 020.

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BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Dockets UE-190529 & UG-190530 Puget Sound Energy 2019 General Rate Case

AWEC DATA REQUEST NO. 020:

Please identify each error and correction to revenue requirement that PSE has identified since the initial filing in this docket. Please also provide updated natural gas and electric revenue requirement workpapers incorporating all known errors and corrections since the initial filing in this docket.

Response:

Puget Sound Energy ("PSE") discovered errors in its Original and Supplemental filings in this case. Correction of the errors on the Supplemental filing increases the traditional revenue requirement by \$1.3 million for electric and \$0.3 million for gas and decreases the electric revenue requirement deficiency by \$9.9 million after attrition for electric and there was no impact after attrition on gas. The table below lays out the changes to the net revenue change since the Original and Supplemental filings.

		ORGINAL FILING		SUPPLEMENTAL FILING			CORRECTED			
	Description	Elec	Gas	Total	Elec	Gas	Total	Elec	Gas	Total
1.	Revenue Charge Before Attrition and Riders	\$104.5	\$86.1	\$190.6	\$100.2	\$86.1	\$186.4	\$101.5	\$86.4	\$188.0
2.	Changes to Other Price Schedules	\$(3.1)	\$(32.4)	\$(35.5)	\$(3.1)	\$(32.4)	\$(35.5)	\$(3.1)	\$(32.4)	\$(35.5)
3.	Net Revenue Change Before Attrition	\$101.4	\$53.7	\$155.1	\$97.1	\$53.7	\$150.8	\$98.4	\$54.0	\$152.5
4.	Attrition Adjustment	\$44.5	\$22.1	\$66.6	\$48.8	\$22.1	\$70.9	\$31.5	\$21.7	\$53.2
5.	Net Revenue Change After Attrition	\$145.9	\$75.8	\$221.7	\$145.9	\$75.8	\$221.7	\$129.9	\$75.7	\$205.6
6.	Reduction to Supported Amount	\$(6.0)	\$(10.4)	\$(16.4)	\$(6.0)	\$(10.4)	\$(16.4)	\$0.0	\$(10.2)	\$(10.2)
7.	Net Revenue Change Requested	\$139.9	\$65.5	\$205.4	\$139.9	\$65.5	\$205.4	\$129.9	\$65.5	\$195.4
					Change from Orig to Supp			Change from Supp to Corrected		
					Elec	Gas	Total	Elec	Gas	Total
1.	Revenue Charge Before Attrition and Riders				\$(4.3)	\$0.0	\$(4.3)	\$1.3	\$0.3	\$1.6
2.	Changes to Other Price Schedules				\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
3.	Net Revenue Change Before Attrition				\$(4.3)	\$0.0	\$(4.3)	\$1.3	\$0.3	\$1.6
4.	Attrition Adjustment				\$4.3	\$0.0	\$4.3	\$(17.2)	\$(0.4)	\$(17.7)
5.	Net Revenue Change After Attrition				\$0.0	\$0.0	\$0.0	\$(15.9)	\$(0.1)	\$(16.1)
6.	Reduction to Supported Amount				\$0.0	\$0.0	\$0.0	\$6.0	\$0.1	\$6.1
7.	Net Revenue Change Requested				\$0.0	\$0.0	\$0.0	\$(9.9)	\$0.0	\$(9.9)

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Attached as Attachment A to PSE's Response to AWEC Data Request No. 020 is a zip file which contains a full set of the workpapers provided on September 24, 2019, in support of PSE's Supplemental filing updated for the corrections discussed below. Also included in Attachment A in the electric and gas models¹ are tabs titled "Rlfwd" and "Impacts." The "Rlfwd" tabs present the impacts of the corrections on the revenue change before attrition and riders ("traditional deficiency") and the "Impacts" tabs present the impacts on the net revenue change requested ("attrition deficiency").

The primary driver of the decrease in the electric attrition deficiency is related to five proforma adjustments that were inadvertently excluded from the attrition revenue requirement deficiency calculation that was presented in the Second and Third Exhibits to the Prefiled Direct Testimony of Ronald J. Amen, Exh. RJA-3 and Exh. RJA-4. The adjustments are:

- 1. 7.06EP "Regulatory Assets and Liabilities,"
- 2. 7.05EP "Storm Damage,"
- 3. 6.20E&GP "Deferred Gains / Losses,"
- 4. 7.21E&GP "Environmental Remediation," and
- 5. 6.26E&GP "Remove Unprotected DFIT."

The above adjustments were inadvertently excluded from the attrition calculation because they were not included in the attrition base amounts that were calculated in the Eighth Exhibit to the Prefiled Direct Testimony of Susan E. Free, Exh. SEF-9, which is the starting point for the attrition calculation. Because amortizations are specifically calculated amounts that are known for the rate year, the attrition revenue requirement should not calculate amortizations differently than in the traditional revenue requirement. In order to ensure that the amortizations were calculated the same in the traditional and the attrition calculations, the above adjustments should have been included in developing the attrition base amounts in Exh. SEF-9. Their omission was apparent in PSE's Response to AWEC Data Request No. 015. Updating the electric workpapers with these corrected items decreases the attrition deficiency by \$15.9 million (\$4.3 million of which is related to the Shuffleton update made at Supplemental) which is offset by \$6 million for the fact that PSE's request would no longer exceed 6.9% so the reduction to the requested attrition of \$6 million is no longer necessary. These impacts result in a net decrease to the electric attrition deficiency of \$9.9 million. Updating the gas model with these corrected items increases the attrition deficiency by

¹ 190529-30-PSE-WP-SEF-14.00E-ELECTRIC-MODEL-SUPPLEMENTAL-19GRC-09-2019.xlsx and NEW-PSE-WP-SEF-4.00G-GAS-MODEL-19GRC-06-2019.xlsx

\$0.1 million. However, the attrition deficiency still exceeds the 7.9% limit requested for gas in this proceeding and so this change is absorbed by the attrition reduction and results in no change to the gas attrition deficiency.

The remaining corrections impact the traditional revenue requirement but have no impact on the attrition deficiency as the categories to which these adjustments are made are appropriately replaced with an independent determination in the attrition calculation. These include:

- 6. <u>Schedule 139 Green Direct capital project removal from rate base:</u> PSE inadvertently recorded software related to the Green Direct program to a common future use capital order in December 2018. The impact of this correction is a decrease to the traditional revenue requirement of \$20,000 on electric and \$10,000 on gas. There is no impact to the attrition deficiency. Please refer to PSE's Response to WUTC Staff Data Request Nos. 071 and 123 for further detail.
- 7. <u>Carrying charges on Get to Zero ("GTZ") deferral:</u> PSE inadvertently applied the quarterly FERC rate instead of its authorized after-tax allowed return of 6.89 percent when calculating the rate year carrying charges on the GTZ depreciation deferral. The impact of this correction was an increase to the traditional revenue requirement of \$102,000 on electric and \$52,000 on gas. There was no impact to the revenue requirement after attrition. Please see PSE's Response to WUTC Staff Data Request No. 073 for further detail.
- 8. <u>Gas transport:</u> PSE inadvertently used incorrect fixed gas transportation rates for Cascade Natural Gas in the worksheet titled "28C Fixed Gas Transport" in *PSE-Exh-PKW-03C-6-20-19(C).xlsx*. The impact of this power costs correction was an increase to the traditional revenue requirement of \$687,000 on electric. There was no impact to the revenue requirement after attrition. Please refer to PSE's Response to WUTC Staff Data Request No. 159 for further detail.

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The following tables depict the impacts for the corrections to the errors explained above and their impacts on the electric and gas attrition deficiencies:

Electric Impacts			7.62%				1.457807%	
			2.87%				1.0146	
			21%			0.751381	Revenue	
		Rate Base	0.751381		2.51%	0.951115	Growth Factor	Requirement (Deficiency) or
	Impacts				Difference in	Conversion	From Attrition	
Description	Attrition?	In Attrition	ROR & TBPFI	P&L	Escalation	Factor	if applicable	Surplus
Amount Requested in Original Filing:								139,881,759
Certain proforma adjustments that should have been included in attrition:	N	ć (22.204.002)	4 644 470	¢ (44 540 40 A)	¢ (220.247)	¢ (44 640 007)	ć (240.274)	6 (4 4 400 CO
Reg Asset/Liab Adjustment	Yes	\$ (23,391,892)		\$ (11,519,134)				\$ (14,430,627
Storm Amortization	Yes		-	13,521,272	n/a	14,216,232	. ,	14,011,965
Def G/L Amortization	Yes		-	(3,533,964)				(3,880,702
Environmental Amortization	Yes		-	152,048	9,071	169,400	. ,	166,966
Unprotected EDIT Reversals	Yes		-	(9,006,372)	n/a	(11,986,425)	\$ (172,228)	(11,814,197
Error corrections to proforma adjustments that impact traditional								
deficiency but don't impact attrition deficiency:								
Remove Schedule 139 Green Direct Rate Base from Oct 2018	No	\$ (211,404)	14,835		n/a	19,743	n/a	19,743
GTZ interest Rate correction	No		-	(76,439)	n/a	(101,732)	n/a	(101,732
Power Cost Correction per Staff DR 159	No		-	(516,507)	n/a	(687,411)	n/a	(687,411
Reversal of above because attrition eliminates these traditional adjustments:								
Remove Schedule 139 Green Direct Rate Base from Oct 2018	No	211,404	(14,835)	-		(19,743)		(19,743
GTZ interest Rate correction	No	-	-	76,439		101,732		101,732
Power Cost Correction per Staff DR 159	No	-	-	516,507		687,411		687,411
Total Before Attrition Limitation		\$ (23,391,892)	\$ 1,641,479	\$ (10,386,150)	\$ (530,084)	\$ (16,179,066)	\$ (232,471)	\$ (15,946,595
Loss of Attrition Limitation								6,005,578
Total Impact								\$ (9,941,018
Amount per AWEC 020								129,940,741

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Gas Impacts			7.62%					
			2.87%					
			21.00%		1.45%	0.754097		
			0.754097		0.00%	0.954553	1.0143	
							Growth Factor	Requirement
	Impacts	Rate Base			Difference in	Conversion	From Attrition	(Deficiency) or
Description	Attrition?	In Attrition	ROR & TBPFI	P&L	Escalation	Factor	if applicable	Surplus
Amount Requested in Original Filing:								65,472,810
Certain proforma adjustments that should have been included in attrition:								
Def G/L Amortization	Yes		\$-	\$ (91,958) \$ (3,144.13)	\$ (99,630)	\$ (1,406)	\$ (98,224)
Enviornmental Amortization	Yes		-	856,891	29,298	928,381	\$ 13,101	\$ 915,279
Unprotected EDIT Reversals	Yes		-	(722,630) n/a	(958,272)	\$ (13,523)	\$ (944,749)
Error corrections to proforma adjustments that impact traditional								
deficiency but don't impact attrition deficiency:								
Remove Schedule 139 Green Direct Rate Base from Oct 2018	No	\$(105,391)	7,396		n/a	\$ 9,807	n/a	\$ 9,807
GTZ interest Rate correction	No			(39,045) n/a	\$ (51,778)	n/a	\$ (51,778)
Reversal of above because attrition eliminates these traditional adjustments:								
Remove Schedule 139 Green Direct Rate Base from Oct 2018	No	105,391	(7,396)	-		\$ (9,807)		\$ (9,807)
GTZ interest Rate correction	No	-	-	39,045		\$ 51,778		\$ 51,778
Total Before Attrition Limitation		\$-	\$-	\$ 42,302	\$ 26,154	\$ (129,522)	\$ (1,828)	\$ (127,694)
Impact on Attrition Limitation								127,695
Total Impact								\$ 0
Amount per AWEC 020								65,472,810

There are some other items which need correcting but are more administrative in nature and do not impact either the traditional or attrition deficiencies.

The Tenth Exhibit to the Prefiled Direct Testimony of Susan E. Free, Exh. SEF-11, contains the fixed and variable baseline rate that PSE is requesting approval of in this proceeding. In conversations with WUTC Staff, it was brought to PSE's attention that the gross plant and accumulated depreciation amounts associated with the Energy Imbalance Market ("EIM") were inadvertently omitted from amounts on row 6 in tab "Rate Base Summarized" in workpaper *NEW-PSE-WP-SEF-11.01E-Exhibit-A-1-19GRC-06-2019.xlsx*. This omission results in PSE's production rate base reported on line 5 of Exh. SEF-11 being understated by \$4.3 million. The relevant workpaper within Attachment A makes the correction to production rate base by including these EIM amounts in row 6 in the referenced tab.

In PSE's Response to WUTC Staff Data Request No. 006, PSE provided information on an incorrect cell reference in the workpapers of Mr. Amen that had no impact on the revenue requirement. Cell M-128 of the tab named "Electric CBR," in workpaper *NEW-PSE-WP-RJA-3-and-4-Attrition-Study-19GRC-06-2019*, which is related to Advanced Metering Infrastructure electric accumulated deferred income taxes, has been corrected to link to cell H-41 on the tab named "AMI."

Finally, included in Attachment A are the production operations and maintenance workpapers supporting the Prefiled Direct Testimony of Ronald J. Roberts, Exh. RJR-

1T. PSE inadvertently provided an incorrect version of this workpaper and the work paper in Attachment A

(*RJR_WB_C_2019_GRC_Production_OM_WorkPaper_Rvn17Apr(C).xlsx*) now agrees to Exh. RJR-7. This submission has no impact on the revenue requirement in this proceeding as the revenue requirement was calculated by using the amounts in Exh. RJR-7 rather than by using amounts from the incorrect workpaper.

Shaded information is designated as CONFIDENTIAL per Protective Order in Dockets UE-190529 and UG-190530 as marked in Attachment A to PSE's Response to AWEC Data Request No. 020.

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ATTACHMENT A to PSE's Response to AWEC Data Request No. 020