

**EXH. PKW-40C  
DOCKETS UE-190529/UG-190530  
UE-190274/UG-190275  
2019 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-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*)**

**SIXTH EXHIBIT (CONFIDENTIAL) TO THE  
PREFILED REBUTTAL TESTIMONY OF**

**PAUL K. WETHERBEE**

**ON BEHALF OF PUGET SOUND ENERGY**

**REDACTED  
VERSION**

**JANUARY 15, 2020**

**Puget Sound Energy  
Market Energy Prices  
2019 GRC Rebuttal Power Cost Update**

REDACTED VERSION

**19GRC Rebuttal Power Cost Update, 12/05/19 gas price date**

	Units	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Rate Year Average
Sumas	\$/MMBtu	\$1.32	\$1.38	\$1.92	\$1.98	\$1.91	\$1.84	\$2.59	\$3.26	\$3.14	\$2.82	\$2.40	\$1.50	\$2.17
Stanfield	\$/MMBtu	\$1.52	\$1.53	\$1.89	\$1.90	\$1.87	\$1.72	\$2.16	\$2.38	\$2.46	\$2.41	\$2.26	\$1.61	\$1.98
AECO	\$/MMBtu	\$1.20	\$1.19	\$1.22	\$1.25	\$1.26	\$1.33	\$1.44	\$1.62	\$1.73	\$1.67	\$1.53	\$1.30	\$1.39
Henry HUB	\$/MMBtu	\$2.30	\$2.34	\$2.39	\$2.39	\$2.38	\$2.41	\$2.47	\$2.64	\$2.76	\$2.71	\$2.59	\$2.31	\$2.47
Mid C On-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Off-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Flat	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Market Heat Rate - On Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Off Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Flat	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX

**19GRC Proposed, 1/31/19 gas price date**

	Units	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Rate Year Average
Sumas	\$/MMBtu	\$1.57	\$1.59	\$1.80	\$1.81	\$1.82	\$1.87	\$2.39	\$2.69	\$2.69	\$2.55	\$2.41	\$1.51	\$2.06
Stanfield	\$/MMBtu	\$1.69	\$1.76	\$1.98	\$1.96	\$1.90	\$1.91	\$2.26	\$2.41	\$2.59	\$2.52	\$2.45	\$1.58	\$2.08
AECO	\$/MMBtu	\$0.90	\$0.95	\$1.01	\$1.02	\$1.02	\$1.06	\$1.24	\$1.46	\$1.64	\$1.55	\$1.40	\$1.12	\$1.20
Henry HUB	\$/MMBtu	\$2.50	\$2.53	\$2.57	\$2.58	\$2.56	\$2.58	\$2.64	\$2.81	\$2.92	\$2.87	\$2.72	\$2.48	\$2.65
Mid C On-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Off-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Flat	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Market Heat Rate - On Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Off Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Flat	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX

**Increase / (Decrease)**

	Units	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Rate Year Average
Sumas	\$/MMBtu	(\$0.25)	(\$0.21)	\$0.12	\$0.17	\$0.09	(\$0.04)	\$0.20	\$0.57	\$0.45	\$0.28	(\$0.01)	(\$0.01)	\$0.11
Stanfield	\$/MMBtu	(\$0.18)	(\$0.23)	(\$0.09)	(\$0.06)	(\$0.03)	(\$0.19)	(\$0.10)	(\$0.03)	(\$0.13)	(\$0.11)	(\$0.19)	(\$0.03)	(\$0.11)
AECO	\$/MMBtu	\$0.30	\$0.23	\$0.21	\$0.23	\$0.24	\$0.28	\$0.20	\$0.16	\$0.09	\$0.13	\$0.13	\$0.19	\$0.20
Henry HUB	\$/MMBtu	(\$0.20)	(\$0.19)	(\$0.19)	(\$0.18)	(\$0.18)	(\$0.17)	(\$0.16)	(\$0.17)	(\$0.17)	(\$0.15)	(\$0.14)	(\$0.17)	(\$0.17)
Mid C On-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Off-Peak	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Mid C Flat	\$/MWh	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX	\$X.XX
Market Heat Rate - On Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Off Peak	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX
Market Heat Rate - Flat	MMBtu/MWh	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX	X.XX

Rate year: May 2020 through April 2021  
Gas price date: 12/05/2019