

EXHIBIT NO. ___(JAP-28)
DOCKETS UE-17 ___/UG-17 ___
2017 PSE GENERAL RATE CASE
WITNESS: JON A. PILIARIS

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

Docket UE-17 ___

Docket UG-17 ___

TWENTY-SEVENTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF

JON A. PILIARIS

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 13, 2017

Puget Sound Energy
2017 Gas General Rate Case Proposed Rates
Estimated Combined Impact on Total Bills

Rate Class	Rate Schedule	Proforma Volume (Therms) ⁽¹⁾	Proforma Margin Revenue ⁽²⁾	Sched 101 Revenue	Sched 106 Revenue	Sched 120 Revenue	Sched 129 Revenue	Sched 132 Revenue	Sched 140 Revenue	Sched 141 ERF Revenue	Sched 142 Rate Plan 12 M Sep 2016 Revenue	Sched 142 Decoupling 12 M Sep 2016 Revenue	Sched 142 Decoupling 2017 K factor Revenue	Sched J-09 Revenue	Total Proforma Rider Revenue	Proforma Total Revenue Q = D + P
Residential	23,53	577,777,493	\$ 304,378,517	\$ 241,106,444	\$ (9,417,769)	\$ 10,428,884	\$ 4,645,331	\$ (2,195,554)	\$ 16,865,225	\$ (1,440,301)	\$ -	\$ 41,351,535	\$ 7,415,261	\$ 8,323,774	\$ 317,084,929	\$ 621,463,446
Residential Gas Lights	16	9,690	\$ 5,023	\$ 4,044	\$ (158)	\$ 175	\$ -	\$ (37)	\$ 283	\$ (26)	\$ 581	\$ -	\$ -	\$ 140	\$ 5,002	\$ 10,026
Commercial & Industrial	31	214,570,890	\$ 88,429,327	\$ 88,113,336	\$ (3,720,659)	\$ 3,873,005	\$ 1,351,797	\$ (609,381)	\$ 5,817,017	\$ (419,866)	\$ -	\$ 10,569,762	\$ 2,536,039	\$ 2,879,541	\$ 110,390,790	\$ 198,820,117
Large Volume	41	49,642,742	\$ 12,133,761	\$ 19,524,443	\$ (1,092,637)	\$ 896,051	\$ 170,275	\$ (81,414)	\$ 517,774	\$ (58,735)	\$ -	\$ 1,338,636	\$ 59,389	\$ 359,413	\$ 21,833,195	\$ 33,766,956
Interruptible	85	33,867,439	\$ 4,241,106	\$ 12,590,151	\$ (837,880)	\$ 539,508	\$ 57,122	\$ (22,353)	\$ 150,033	\$ (22,386)	\$ 380,773	\$ -	\$ -	\$ 106,005	\$ 13,280,973	\$ 17,522,078
Limited Interruptible	86	9,606,000	\$ 2,088,976	\$ 3,583,116	\$ (224,204)	\$ 153,024	\$ 31,795	\$ (21,517)	\$ 116,809	\$ (10,026)	\$ -	\$ -	\$ 11,172	\$ 66,281	\$ 3,970,641	\$ 6,059,617
Non-exclusive interruptible	87	22,998,910	\$ 1,144,144	\$ 8,308,126	\$ (577,733)	\$ 366,373	\$ 15,940	\$ (9,430)	\$ 77,276	\$ (6,254)	\$ 121,217	\$ -	\$ -	\$ 62,327	\$ 8,357,842	\$ 9,501,986
Commercial & Industrial Transportation	31T	22,881	\$ 15,339	\$ -	\$ -	\$ -	\$ 144	\$ (65)	\$ 620	\$ (73)	\$ -	\$ -	\$ 95	\$ 307	\$ 2,136	\$ 17,475
Large Volume Transportation	41T	4,915,969	\$ 1,371,623	\$ -	\$ -	\$ -	\$ 16,862	\$ (8,062)	\$ 51,274	\$ (6,633)	\$ -	\$ -	\$ 3,025	\$ 35,592	\$ 238,043	\$ 1,609,667
Interruptible Transportation	85T	93,502,691	\$ 9,585,212	\$ -	\$ -	\$ -	\$ 145,395	\$ (61,052)	\$ 409,787	\$ (49,018)	\$ 916,775	\$ -	\$ -	\$ 288,533	\$ 1,651,432	\$ 11,236,634
Limited Interruptible Transportation	86T	372,634	\$ 86,353	\$ -	\$ -	\$ -	\$ 1,233	\$ (635)	\$ 4,531	\$ (442)	\$ -	\$ -	\$ 144	\$ 2,571	\$ 17,439	\$ 105,792
Non-exclusive interruptible Transportation	87T	99,254,510	\$ 3,644,730	\$ -	\$ -	\$ -	\$ 57,366	\$ (40,694)	\$ 333,495	\$ (22,490)	\$ 374,413	\$ -	\$ -	\$ 268,380	\$ 971,110	\$ 4,615,639
Contracts		37,008,902	\$ 1,369,462	\$ -	\$ -	\$ -	\$ -	\$ (9,992)	\$ 169,871	\$ (8,976)	\$ -	\$ -	\$ -	\$ 120,649	\$ 271,552	\$ 1,641,014
Total		1,142,550,752	\$ 428,493,575	\$ 241,106,444	\$ (9,417,769)	\$ 10,428,884	\$ 4,645,331	\$ (2,195,554)	\$ 16,865,225	\$ (1,440,301)	\$ -	\$ 41,351,535	\$ 7,415,261	\$ 8,323,774	\$ 477,875,073	\$ 906,368,648
Rentals		397,262	\$ 6,041,548	\$ -	\$ -	\$ -	\$ -	\$ (55,617)	\$ 258,220	\$ (28,637)	\$ 692,701	\$ -	\$ -	\$ -	\$ 866,667	\$ 6,908,216
Total		1,142,527,871	\$ 434,535,123	\$ 241,106,444	\$ (9,417,769)	\$ 10,428,884	\$ 4,645,331	\$ (2,195,554)	\$ 16,865,225	\$ (1,440,301)	\$ 692,701	\$ 41,351,535	\$ 7,415,261	\$ 8,323,774	\$ 478,741,741	\$ 913,276,864

By Customer Class	Volume (Therms)	Margin Revenue	Total Proforma Revenue
Residential (16,23,53)	577,787,383	\$ 304,383,541	\$ 621,473,472
Commercial & Industrial (31,31T)	214,570,890	\$ 88,429,327	\$ 198,837,592
Large volume (41,41T)	54,558,711	\$ 13,505,385	\$ 35,376,623
Interruptible (85,85T)	126,370,330	\$ 13,826,318	\$ 28,758,713
Limited interruptible (86,86T)	9,978,634	\$ 2,175,339	\$ 6,163,409
Non-exclusive interruptible (87,87T)	122,253,420	\$ 4,788,674	\$ 14,117,826
Contracts	37,008,902	\$ 1,369,462	\$ 1,641,014
Subtotal	1,142,527,871	\$ 428,478,236	\$ 906,368,648
Rentals		\$ 6,041,548	\$ 6,908,216
Total	1,142,527,871	\$ 434,519,784	\$ 913,276,864

⁽¹⁾ Weather normalized volume and margin for 12 months ending September, 2016, at approved rates from UG-130138 Exempted Rate Filing (ERF) compliance filing. The rates do not include schedules 140, 141 and 142.

⁽²⁾ The amount GNM deficiency included in the base revenue deficiency.

Puget Sound Energy
2017 Gas General Rate Case Proposed Rates
Estimated Combined Impact on Total Bills

Rate Class	Rate Schedule	Proposed Margin Revenue	Total Proforma Rider Revenue	Sched 141 ERF Revenue Removal	Sched 142 Rate Plan, Decoupling 12 ME Sep 2016 Revenue Removal	Sched 142 Decoupling 2017 K-factor Revenue Removal	Sched 149 CRM Deficiency Removal ⁽²⁾	Proposed Total Revenue	Total Revenue Z=Y-Q	Total Margin Changes AA=T-D	Total Rev Percent Change AB=Z/Q	Total Margin Percent Change AC=AA/Q
A	B	R	S=P	T=K	U=L-M	V=N	X	Y	Z=Y-Q	AA=T-D	AB=Z/Q	AC=AA/Q
Residential Gas Lights	23.53	\$ 319,131,117	\$ 317,084,929	\$ 1,440,301	\$ (41,351,535)	\$ (7,415,261)	\$ (7,960,156)	\$ 603,347,162	\$ (18,116,284)	\$ 14,752,600	-2.9%	2.4%
Commercial & Industrial	31	\$ 94,857,037	\$ 110,350,790	\$ 419,866	\$ (10,569,762)	\$ (2,536,039)	\$ (2,796,738)	\$ 196,779,476	\$ (2,040,617)	\$ (450)	-4.5%	2.4%
Large Volume	41	\$ 12,731,212	\$ 21,633,195	\$ 58,735	\$ (1,338,636)	\$ (59,389)	\$ (438,344)	\$ 34,776,775	\$ (2,900,181)	\$ 597,451	-0.9%	3.2%
Interruptible	85	\$ 4,412,253	\$ 13,280,973	\$ 22,386	\$ (380,773)	\$ -	\$ (60,393)	\$ 17,274,447	\$ (247,632)	\$ 171,148	-1.4%	1.8%
Non-exclusive Interruptible	86	\$ 2,140,331	\$ 3,970,641	\$ 10,026	\$ (264,190)	\$ (11,172)	\$ (47,282)	\$ 5,973,724	\$ (85,893)	\$ 51,354	-1.4%	0.8%
Commercial & Industrial Transportation	31T	\$ 1,216,942	\$ 8,357,842	\$ 6,254	\$ (121,217)	\$ -	\$ (37,965)	\$ 9,421,857	\$ (80,129)	\$ 72,798	-0.8%	0.8%
Large Volume Transportation	41T	\$ 1,428,633	\$ 238,043	\$ 6,633	\$ (145,887)	\$ (3,025)	\$ (43,408)	\$ 1,577,993	\$ (31,674)	\$ 57,009	-2.0%	3.5%
Interruptible Transportation	85T	\$ 10,084,061	\$ 1,651,422	\$ 49,018	\$ (916,775)	\$ -	\$ (164,963)	\$ 10,702,772	\$ (513,862)	\$ 498,848	-4.8%	4.4%
Limited Interruptible Transportation	86T	\$ 87,741	\$ 37,439	\$ 442	\$ (10,233)	\$ (144)	\$ (1,894)	\$ 180,205	\$ (3,387)	\$ 1,388	-3.5%	1.3%
Non-exclusive Interruptible Transportation	87T	\$ 3,920,091	\$ 971,110	\$ 22,450	\$ (374,413)	\$ -	\$ (163,842)	\$ 4,375,395	\$ (240,444)	\$ 275,361	-5.2%	6.0%
Contracts		\$ 1,455,355	\$ 271,552	\$ 8,976	\$ -	\$ -	\$ (83,357)	\$ 1,652,525	\$ 11,511	\$ 85,893	0.7%	5.2%
Total		\$ 451,486,291	\$ 477,875,073	\$ 2,045,186	\$ (55,475,213)	\$ (10,025,125)	\$ (11,798,704)	\$ 884,709,606	\$ (21,659,042)	\$ 22,992,716	-2.4%	2.5%
Rentals		\$ 6,041,548	\$ 866,667	\$ 28,637	\$ (692,701)	\$ -	\$ -	\$ 6,244,152	\$ (664,064)	\$ -	-10%	0.0%
Total		\$ 457,527,839	\$ 478,741,741	\$ 2,073,823	\$ (56,167,914)	\$ (10,025,125)	\$ (11,798,704)	\$ 890,953,759	\$ (22,323,105)	\$ 22,992,716	-2.4%	2.5%
By Customer Class												
Residential 16,23,53		\$ 319,136,380						\$ 603,356,738	\$ (18,116,734)	\$ 14,752,839	-2.9%	2.4%
Commercial & Industrial (31, 31T)		\$ 94,874,292						\$ 196,779,175	\$ (2,040,417)	\$ 6,428,626	-1.0%	3.2%
Large volume (41, 41T)		\$ 14,159,845						\$ 35,054,768	\$ (321,855)	\$ 654,460	-0.9%	1.8%
Interruptible (85, 85T)		\$ 14,496,314						\$ 27,977,219	\$ (781,493)	\$ 669,996	-2.7%	2.3%
Limited interruptible (86, 86T)		\$ 2,228,071						\$ 6,073,929	\$ (89,480)	\$ 52,742	-1.5%	0.9%
Non-exclusive interruptible (87, 87T)		\$ 5,137,033						\$ 13,797,353	\$ (320,373)	\$ 348,159	-2.3%	2.5%
Contracts		\$ 1,455,355						\$ 1,652,525	\$ 11,511	\$ 85,893	0.7%	5.2%
Subtotal		\$ 451,486,291						\$ 884,709,606	\$ (21,659,042)	\$ 22,992,716	-2.4%	2.5%
Rentals		\$ 6,041,548						\$ 6,244,152	\$ (664,064)	\$ -	-9.6%	0.0%
Total		\$ 457,527,839						\$ 890,953,759	\$ (22,323,105)	\$ 22,992,716	-2.4%	2.5%

⁽¹⁾ Weather normalized volume and margin for 12 months ending September, 2016, at approved rates from UC-130138 Expedited Rate Filing (ERF) compliance filing. The rates do not include schedules 140, 141 and 142.

⁽²⁾ The amount CRM deficiency included in the base revenue deficiency.

Puget Sound Energy
Proposed Rates Effective January 1, 2018
Typical Residential Bill Impacts of Proposed Rate Changes

	Current Rates		Rate Change	
	Rates ⁽¹⁾	Charges	Rates	Charges
Volume (therms)	64		64	
Customer charge (\$/month)				
Basic charge	\$ 10.34	\$ 10.34	\$ 11.00	\$ 11.00
ERF ⁽²⁾ adjusting charge (Schedule 141)	\$ (0.05)	\$ (0.05)	\$ -	\$ -
Subtotal	\$ 10.29	\$ 10.29	\$ 11.00	\$ 11.00
Volumetric charges (\$/therm)				
Delivery charge (Schedule 23)	\$ 0.36492		\$ 0.38012	
Property tax charge (Schedule 140)	\$ 0.02919		\$ 0.02919	
ERF ⁽²⁾ adjusting charge (Schedule 141)	\$ (0.00171)		\$ -	
Decoupling charge (Schedule 142)	\$ 0.07157		\$ 0.03880	
Decoupling charge (Schedule 142 K-factor 2017) ⁽³⁾	\$ 0.01283		\$ -	
Low income charge (Schedule 129)	\$ 0.00804		\$ 0.00804	
CRM Charge (Schedule 149) ⁽⁴⁾	\$ 0.01441		\$ 0.00063	
Subtotal	\$ 0.49925	\$ 31.95	\$ 0.45678	\$ 29.23
Conservation charge (Schedule 120)	\$ 0.01805	\$ 1.16	\$ 0.01805	\$ 1.16
Merger rate credit (Schedule 132)	\$ (0.00380)	\$ (0.24)	\$ (0.00380)	\$ (0.24)
Cost of gas (Schedule 101)	\$ 0.41730		\$ 0.41730	
Deferral amortization (Schedule 106)	\$ (0.01630)		\$ (0.01630)	
Subtotal	\$ 0.40100	\$ 25.66	\$ 0.40100	\$ 25.66
Total volumetric charges	\$ 0.91450	\$ 58.53	\$ 0.87203	\$ 55.81
Total monthly bill		\$ 68.82		\$ 66.81
Change from bill under current rates				\$ (2.01)
Percent change from bill under current rates				-2.9%
Total volumetric rates less gas costs	\$ 0.51350		\$ 0.47103	

⁽¹⁾ Rates for Schedule 23 customers in effect January 1, 2018

⁽²⁾ Expedited Rate Filing

⁽³⁾ Estimated schedule 142 K-factor 2017 rate, it is subject to change based on the actual balance.

⁽⁴⁾ Estimated schedule 149 CRM rate, it is subject to change based on the actual balance.