

**EXH. JAP-45  
DOCKETS UE-170033/UG-170034  
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-170033  
Docket UG-170034**

**ELEVENTH EXHIBIT (NONCONFIDENTIAL) TO THE  
PREFILED SUPPLEMENTAL DIRECT TESTIMONY OF**

**JON A. PILIARIS**

**ON BEHALF OF PUGET SOUND ENERGY**

**APRIL 3, 2017**

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

Rate Class	Rate Schedule	Profumo Volume (Therms) <sup>(1)</sup>	Profumo Margin Revenue <sup>(2)</sup>	Sched 101	Sched 106	Sched 120	Sched 129	Sched 132	Sched 140	Sched 141 ERF	Sched 142 Rate Plan 12 ME Sep 2016	Sched 142 Decoupling 12 ME Sep 2016	Sched 149	Total Profumo	Profumo Total
				Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue	Revenue
Residential Gas Lights	23,53	577,624,839	\$ 304,322,811	\$ 241,042,741	\$ (9,415,281)	\$ 9,825,399	\$ 4,644,104	\$ (2,194,974)	\$ 16,479,637	\$ (1,440,040)	\$ -	\$ 58,640,474	\$ 8,323,574	\$ 325,905,633	\$ 630,238,444
Commercial & Industrial	16	9,690	\$ 5,023	\$ 4,044	\$ (158)	\$ 165	\$ -	\$ (37)	\$ 276	\$ (26)	\$ 581	\$ -	\$ 140	\$ 4,986	\$ 10,009
Large Volume	31	214,590,052	\$ 88,435,196	\$ 88,121,405	\$ (3,720,992)	\$ 3,650,177	\$ 1,351,917	\$ (609,436)	\$ 5,457,025	\$ (419,894)	\$ -	\$ 13,774,535	\$ 2,879,799	\$ 110,484,537	\$ 198,919,733
Interruptible	41	49,776,236	\$ 12,148,610	\$ 19,568,010	\$ (1,095,575)	\$ 846,694	\$ 170,732	\$ (81,633)	\$ 501,744	\$ (58,783)	\$ -	\$ 1,764,520	\$ 360,380	\$ 21,976,090	\$ 34,124,699
Limited Interruptible	85	33,816,220	\$ 4,238,282	\$ 12,911,810	\$ (836,613)	\$ 507,243	\$ 57,082	\$ (22,319)	\$ 148,115	\$ (22,374)	\$ 380,449	\$ -	\$ 105,845	\$ 13,229,238	\$ 17,467,520
Non-exclusive Interruptible	86	9,624,897	\$ 2,091,773	\$ 3,589,990	\$ (224,645)	\$ 144,373	\$ 31,858	\$ (21,560)	\$ 121,755	\$ (10,039)	\$ -	\$ 348,332	\$ 66,412	\$ 4,043,477	\$ 6,135,250
Commercial & Industrial Transportation	87	23,031,236	\$ 1,144,957	\$ 8,319,804	\$ (578,545)	\$ 345,469	\$ 15,952	\$ (9,443)	\$ 80,149	\$ (6,259)	\$ 121,309	\$ -	\$ 62,415	\$ 8,350,851	\$ 9,495,808
Large Volume Transportation	31T	22,881	\$ 15,339	\$ -	\$ -	\$ 144	\$ -	\$ (6)	\$ 382	\$ (73)	\$ -	\$ 1,443	\$ 307	\$ 2,338	\$ 17,677
Interruptible Transportation	41T	4,906,085	\$ 1,370,577	\$ -	\$ -	\$ 16,828	\$ (8,046)	\$ (6,630)	\$ 49,453	\$ (6,630)	\$ 191,961	\$ -	\$ 35,520	\$ 279,086	\$ 1,649,663
Limited Interruptible Transportation	86T	92,442,093	\$ 9,582,284	\$ -	\$ -	\$ 145,348	\$ (6,102)	\$ (49,005)	\$ 404,896	\$ (49,005)	\$ 916,440	\$ -	\$ 289,344	\$ 1,646,012	\$ 11,228,296
Non-exclusive Interruptible Transportation	87T	372,634	\$ 86,353	\$ -	\$ -	\$ 1,233	\$ (835)	\$ (442)	\$ 4,714	\$ (442)	\$ -	\$ 13,386	\$ 2,571	\$ 20,628	\$ 106,981
Contracts	87T	99,224,837	\$ 3,644,143	\$ -	\$ -	\$ 57,355	\$ (40,682)	\$ (22,447)	\$ 345,302	\$ (22,447)	\$ 374,346	\$ -	\$ 268,899	\$ 982,774	\$ 4,626,917
Total		1,142,550,737	\$ 428,455,658	\$ 6,492,554	\$ (3,060,060)	\$ 23,749,878	\$ (2,044,986)	\$ (2,073,623)	\$ 24,107,414	\$ (2,073,623)	\$ 692,701	\$ 74,731,652	\$ 12,516,180	\$ 488,149,841	\$ 922,647,048
Rentals		397,262	\$ 6,041,548	\$ -	\$ -	\$ (55,617)	\$ -	\$ -	\$ 357,536	\$ (28,637)	\$ -	\$ -	\$ -	\$ 965,983	\$ 7,007,531
Total			\$ 434,497,207	\$ 6,492,554	\$ (3,115,677)	\$ 24,107,414	\$ (2,485,828)	\$ (2,073,623)	\$ 24,464,950	\$ (2,102,260)	\$ 692,701	\$ 74,731,652	\$ 12,516,180	\$ 488,149,841	\$ 922,647,048
<b>By Customer Class</b>															
Residential (162,353)		577,624,839	\$ 304,322,811	\$ 241,042,741	\$ (9,415,281)	\$ 9,825,399	\$ 4,644,104	\$ (2,194,974)	\$ 16,479,637	\$ (1,440,040)	\$ -	\$ 58,640,474	\$ 8,323,574	\$ 325,905,633	\$ 630,238,444
Commercial & Industrial (31,31T)		214,590,052	\$ 88,435,196	\$ 88,121,405	\$ (3,720,992)	\$ 3,650,177	\$ 1,351,917	\$ (609,436)	\$ 5,457,025	\$ (419,894)	\$ -	\$ 13,774,535	\$ 2,879,799	\$ 110,484,537	\$ 198,919,733
Large volume (41,41T)		49,776,236	\$ 12,148,610	\$ 19,568,010	\$ (1,095,575)	\$ 846,694	\$ 170,732	\$ (81,633)	\$ 501,744	\$ (58,783)	\$ -	\$ 1,764,520	\$ 360,380	\$ 21,976,090	\$ 34,124,699
Interruptible (85,85T)		33,816,220	\$ 4,238,282	\$ 12,911,810	\$ (836,613)	\$ 507,243	\$ 57,082	\$ (22,319)	\$ 148,115	\$ (22,374)	\$ 380,449	\$ -	\$ 105,845	\$ 13,229,238	\$ 17,467,520
Limited interruptible (86,86T)		9,624,897	\$ 2,091,773	\$ 3,589,990	\$ (224,645)	\$ 144,373	\$ 31,858	\$ (21,560)	\$ 121,755	\$ (10,039)	\$ -	\$ 348,332	\$ 66,412	\$ 4,043,477	\$ 6,135,250
Non exclusive interruptible (87,87T)		37,109,056	\$ 1,370,309	\$ -	\$ -	\$ 144	\$ -	\$ (6)	\$ 382	\$ (73)	\$ -	\$ 1,443	\$ 307	\$ 2,338	\$ 17,677
Subtotal		1,142,550,737	\$ 428,455,658	\$ 6,492,554	\$ (3,060,060)	\$ 23,749,878	\$ (2,044,986)	\$ (2,073,623)	\$ 24,107,414	\$ (2,073,623)	\$ 692,701	\$ 74,731,652	\$ 12,516,180	\$ 488,149,841	\$ 922,647,048
Rentals			\$ 6,041,548	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 357,536	\$ (28,637)	\$ -	\$ -	\$ -	\$ 965,983	\$ 7,007,531
Total			\$ 434,497,207	\$ 6,492,554	\$ (3,115,677)	\$ 24,107,414	\$ (2,485,828)	\$ (2,073,623)	\$ 24,464,950	\$ (2,102,260)	\$ 692,701	\$ 74,731,652	\$ 12,516,180	\$ 488,149,841	\$ 922,647,048

<sup>(1)</sup> Weather normalized volume and margin for 12 months ending September, 2016, at approved rates from UG-15038 Expedited Rate Filing (ERF) compliance filing. The rates do not include schedules 140, 141 and 142.  
<sup>(2)</sup> The amount CRM 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	Schedule	Rate	Sched 141 ERF		Sched 142		Sched 143		Sched 144		Sched 145		Sched 146		Sched 147		Sched 148		Sched 149		Sched 150			
			Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal	Revenue	Removal
Residential	23,53	\$	318,957,565	\$	325,905,633	\$	1,440,040	\$	58,640,474	\$	24,150,495	\$	(7,960,156)	\$	603,853,103	\$	(26,375,341)	\$	14,634,754	\$	603,853,103	\$	(26,375,341)	\$
Residential Gas Lights	16	\$	5,263	\$	4,986	\$	26	\$	(581)	\$	9,152,266	\$	(134)	\$	9,559	\$	(450)	\$	9,559	\$	9,559	\$	(450)	\$
Commercial & Industrial	31	\$	94,815,091	\$	110,484,537	\$	419,894	\$	(13,774,535)	\$	1,174,087	\$	(2,796,738)	\$	198,300,514	\$	(6,192,191)	\$	6,379,895	\$	198,300,514	\$	(6,192,191)	\$
Large Volume	41	\$	12,742,639	\$	21,976,090	\$	58,783	\$	(1,764,520)	\$	1,174,087	\$	(438,529)	\$	33,748,549	\$	(3,761,511)	\$	594,029	\$	33,748,549	\$	(3,761,511)	\$
Interruptible	85	\$	4,410,763	\$	13,229,238	\$	22,374	\$	(380,449)	\$	229,433	\$	(60,355)	\$	17,221,570	\$	(245,950)	\$	172,481	\$	17,221,570	\$	(245,950)	\$
Limited Interruptible	86	\$	2,145,795	\$	4,043,477	\$	10,039	\$	(345,332)	\$	229,433	\$	(47,286)	\$	6,033,126	\$	(102,125)	\$	51,022	\$	6,033,126	\$	(102,125)	\$
Non-exclusive Interruptible	87	\$	1,218,801	\$	8,350,851	\$	6,359	\$	(121,309)	\$	229,433	\$	(38,018)	\$	9,416,584	\$	(79,224)	\$	73,843	\$	9,416,584	\$	(79,224)	\$
Commercial & Industrial Transportation	31T	\$	16,241	\$	2,338	\$	73	\$	(1,445)	\$	959	\$	(298)	\$	17,870	\$	(192)	\$	17,870	\$	17,870	\$	(192)	\$
Large Volume Transportation	41T	\$	1,426,555	\$	279,086	\$	6,630	\$	(191,961)	\$	127,735	\$	(43,223)	\$	1,604,823	\$	(44,840)	\$	55,977	\$	1,604,823	\$	(44,840)	\$
Limited Interruptible Transportation	85T	\$	10,074,281	\$	1,646,012	\$	49,003	\$	(916,440)	\$	8,896	\$	(1,831)	\$	10,687,867	\$	(540,429)	\$	491,997	\$	10,687,867	\$	(540,429)	\$
Interruptible (85,85T)	86T	\$	87,710	\$	20,628	\$	442	\$	(13,386)	\$	8,896	\$	(1,831)	\$	102,459	\$	(4,522)	\$	1,357	\$	102,459	\$	(4,522)	\$
Limited interruptible (86,86T)	87T	\$	3,915,730	\$	982,774	\$	22,447	\$	(374,346)	\$	34,843,870	\$	(163,790)	\$	4,382,814	\$	(244,103)	\$	271,587	\$	4,382,814	\$	(244,103)	\$
Non-exclusive interruptible (87,87T)	88T	\$	1,456,396	\$	258,210	\$	8,976	\$	-	\$	-	\$	(83,357)	\$	1,640,224	\$	(11,705)	\$	86,087	\$	1,640,224	\$	(11,705)	\$
Contracts		\$	451,269,829	\$	487,183,858	\$	2,044,986	\$	(76,524,778)	\$	34,843,870	\$	(11,798,704)	\$	887,019,060	\$	(28,020,456)	\$	22,814,170	\$	887,019,060	\$	(28,020,456)	\$
Total		\$	6,041,548	\$	965,983	\$	28,637	\$	(692,701)	\$	34,843,870	\$	-	\$	6,343,468	\$	(664,064)	\$	22,814,170	\$	6,343,468	\$	(664,064)	\$
Removals		\$	457,311,377	\$	488,149,841	\$	2,073,623	\$	(77,217,479)	\$	34,843,870	\$	(11,798,704)	\$	893,362,528	\$	(29,284,520)	\$	22,814,170	\$	893,362,528	\$	(29,284,520)	\$
Total		\$	318,962,828	\$	318,962,828	\$	-	\$	-	\$	-	\$	-	\$	603,862,662	\$	(26,375,791)	\$	14,634,993	\$	603,862,662	\$	(26,375,791)	\$
By Customer Class		\$	94,831,332	\$	94,831,332	\$	-	\$	-	\$	-	\$	-	\$	198,318,383	\$	(6,192,027)	\$	6,380,797	\$	198,318,383	\$	(6,192,027)	\$
Commercial & Industrial (31,31T)		\$	14,169,193	\$	14,169,193	\$	-	\$	-	\$	-	\$	-	\$	35,333,371	\$	(420,991)	\$	650,006	\$	35,333,371	\$	(420,991)	\$
Large volume (41,41T)		\$	14,485,044	\$	14,485,044	\$	-	\$	-	\$	-	\$	-	\$	27,909,437	\$	(786,379)	\$	664,479	\$	27,909,437	\$	(786,379)	\$
Interruptible (85,85T)		\$	2,230,504	\$	2,230,504	\$	-	\$	-	\$	-	\$	-	\$	6,135,584	\$	(106,647)	\$	52,378	\$	6,135,584	\$	(106,647)	\$
Limited interruptible (86,86T)		\$	5,134,530	\$	5,134,530	\$	-	\$	-	\$	-	\$	-	\$	13,799,398	\$	(323,327)	\$	345,430	\$	13,799,398	\$	(323,327)	\$
Non-exclusive interruptible (87,87T)		\$	1,456,396	\$	1,456,396	\$	-	\$	-	\$	-	\$	-	\$	1,640,224	\$	(11,705)	\$	86,087	\$	1,640,224	\$	(11,705)	\$
Contracts		\$	451,269,829	\$	451,269,829	\$	-	\$	-	\$	-	\$	-	\$	887,019,060	\$	(28,020,456)	\$	22,814,170	\$	887,019,060	\$	(28,020,456)	\$
Subtotal		\$	6,041,548	\$	6,041,548	\$	-	\$	-	\$	-	\$	-	\$	6,343,468	\$	(664,064)	\$	22,814,170	\$	6,343,468	\$	(664,064)	\$
Removals		\$	457,311,377	\$	457,311,377	\$	-	\$	-	\$	-	\$	-	\$	893,362,528	\$	(29,284,520)	\$	22,814,170	\$	893,362,528	\$	(29,284,520)	\$
Total		\$	318,962,828	\$	318,962,828	\$	-	\$	-	\$	-	\$	-	\$	603,862,662	\$	(26,375,791)	\$	14,634,993	\$	603,862,662	\$	(26,375,791)	\$

(1) Weather normalized volume and margin for 12 months er  
(2) The amount CRM deficiency included in the base revenue

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

	Current Rates		Rate Change	
	Rates <sup>(1)</sup>	Charges	Rates	Charges
Volume (therms)		64		64
Customer charge (\$/month)				
Basic charge	\$ 10.34	\$ 10.34	\$ 11.00	\$ 11.00
ERF <sup>(2)</sup> adjusting charge (Schedule 141)	\$ (0.05)	\$ (0.05)	\$ -	\$ -
Subtotal	\$ 10.29	\$ 10.29	\$ 11.00	\$ 11.00
	\$ 0.16		\$ 0.17	
Volumetric charges (\$/therm)				
Delivery charge (Schedule 23)	\$ 0.36492		\$ 0.37992	
Property tax charge (Schedule 140)	\$ 0.02853		\$ 0.02853	
ERF <sup>(2)</sup> adjusting charge (Schedule 141)	\$ (0.00171)		\$ -	
Decoupling charge (Schedule 142)	\$ 0.10152		\$ 0.04181	
Low income charge (Schedule 129)	\$ 0.00804		\$ 0.00804	
CRM Charge (Schedule 149) <sup>(3)</sup>	\$ 0.01441		\$ 0.00063	
Subtotal	\$ 0.51571	\$ 33.01	\$ 0.45893	\$ 29.37
Conservation charge (Schedule 120)	\$ 0.01701	\$ 1.09	\$ 0.01701	\$ 1.09
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	\$ 0.92992	\$ 59.52	\$ 0.87314	\$ 55.88
Total monthly bill		\$ 69.81		\$ 66.88
Change from bill under current rates				\$ (2.93)
Percent change from bill under current rates				-4.2%
Total volumetric rates less gas costs	\$ 0.52892		\$ 0.47214	

<sup>(1)</sup> Rates for Schedule 23 customers in effect May 1, 2017

<sup>(2)</sup> Expedited Rate Filing

<sup>(3)</sup> Estimated schedule 149 CRM rate, it is subject to change based on the actual balance.