

**EXH. JAP-40
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**

**SIXTH 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 Supplemental
Test Year Ended September 2016
Allocation of Revenue Deficiency to Rate Classes At Existing PGA Allocation**

Rate Class	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Residential (16,23,53)	\$ 545,722,200	\$ 241,394,365	\$ 304,327,835	\$ 304,327,835	577,634,529	70%	100.0%	4.8%	\$ 14,634,156	\$ 318,962,828	\$ 241,394,365	\$ 560,357,193	\$ 14,634,993	2.7%	4.8%	837
Commercial & Industrial (31,31T)	176,698,564	88,248,029	88,450,535	88,450,535	214,612,933	20%	150.0%	7.2%	6,379,957	94,831,332	88,248,029	183,079,361	6,380,797	3.6%	7.2%	840
Large volume (41,41T)	33,114,026	19,594,839	13,519,187	13,519,187	54,682,321	3%	100.0%	4.8%	650,095	14,169,193	19,594,839	33,764,032	650,006	2.0%	4.8%	(88)
Interruptible (85, 85T)	26,814,331	12,593,765	13,820,566	13,820,566	126,258,313	3%	100.0%	4.8%	664,587	14,485,044	12,593,765	27,478,810	664,479	2.5%	4.8%	(108)
Limited interruptible (86, 86T)	5,773,382	3,595,256	2,178,126	2,178,126	9,997,531	1%	50.0%	2.4%	52,370	2,230,504	3,595,256	5,825,760	52,378	0.9%	2.4%	8
Non exclusive interruptible (87, 87T)	13,190,338	8,401,237	4,789,100	4,789,100	122,256,073	1%	150.0%	7.2%	345,439	5,134,530	8,401,237	13,335,768	345,430	2.6%	7.2%	(9)
Rentals	6,041,548	-	6,041,548	6,041,548	0	1%	0.0%	0.0%	-	6,041,548	-	12,083,096	-	0.0%	0.0%	-
Contracts	1,570,309	-	1,570,309	1,570,309	37,109,056	100%	100%	0.0%	-	1,456,396	-	1,456,396	86,087	6.3%	6.3%	1,480
Subtotal revenue from rates	\$ 808,724,698	\$ 374,227,491	\$ 434,497,207	\$ 434,497,207	1,142,550,757	100%			\$ 22,726,603	\$ 457,311,377	\$ 374,227,491	\$ 831,538,868	\$ 22,814,170	2.8%	5.3%	1,480
Other revenue	7,009,594	-	7,009,594	7,009,594	-				-	7,009,594	-	7,009,594	-	0.0%	0.0%	-
Total	\$ 815,734,292	\$ 374,227,491	\$ 441,506,801	\$ 441,506,801	1,142,550,757				\$ 22,726,603	\$ 464,320,971	\$ 374,227,491	\$ 838,548,462	\$ 22,814,170	2.8%	5.2%	1,480

Proposed total increase
Average increase on margin (includes rentals, excludes contracts) 5.27%
Average increase on total (includes rentals, excludes contracts) 2.83%
Average increase on margin after contracts 5.25%
Adjustment to increase for unequal allocation of increase 0.916

Rounding error

(1) Pro forma gas revenue at rates (2016 PGA) in place at the time of filing.
(2) Calculated margin increase (column M) divided by pro forma revenue at existing rates (column B).
(3) Calculated margin increase (column M) divided by pro forma margin at existing rates (column D).

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Allocation of Revenue Deficiency to Rate Classes With Proposed PGA Allocation

Rate Class	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Pro forma Revenue at Existing Rates	Pro forma Gas Revenue at Existing Rates (1)	Pro forma Margin at Existing Rates	Volume (Therms)	Percent of Total Margin Less Contracts	Percent of Uniform Increase	Proposed Margin Increase	Proposed Margin Increase Less Contracts	Calculated Margin Revenue	Pro forma Gas Revenue at Proposed Rates (4)	Calculated Total Revenue	Calculated Change in Margin	Percent Total (2) Increase	Percent Margin (3) Increase	Over (Under) Target Spread	
Residential (16,23,53)	\$ 545,722,200	\$ 241,394,365	\$ 304,327,835	577,634,529	70%	100.0%	4.8%	\$ 14,634,156	\$ 318,962,828	\$ 236,568,944	\$ 555,331,773	\$ 14,634,993	2.6%	4.8%	\$ 837	
Commercial & Industrial (31,31T)	176,698,564	88,248,029	88,450,535	214,612,933	20%	150.0%	7.2%	6,379,957	94,831,332	87,243,748	182,075,079	6,580,797	3.5%	7.2%	\$ 840	
Large volume (41,41T)	33,114,026	19,594,839	13,519,187	54,682,321	3%	100.0%	4.8%	650,095	14,169,193	23,115,014	37,284,207	650,006	1.7%	4.8%	\$ (88)	
Interruptible (85, 85T)	26,814,331	12,993,765	13,820,566	126,258,313	3%	100.0%	4.8%	664,587	14,485,044	14,137,768	28,622,812	664,479	2.3%	4.8%	\$ (108)	
Limited interruptible (86, 86T)	5,773,382	3,595,256	2,178,126	9,997,531	1%	50.0%	2.4%	52,370	2,230,504	3,871,779	6,102,283	52,378	0.9%	2.4%	\$ 8	
Non exclusive interruptible (87,87T)	13,190,338	8,401,237	4,789,100	122,256,073	1%	150.0%	7.2%	345,439	5,134,530	9,063,616	14,198,146	345,430	2.4%	7.2%	\$ (9)	
Rentals	6,041,548	-	6,041,548	0	0%	0.0%	0.0%	-	6,041,548	-	6,041,548	-	0.0%	0.0%	\$ -	
Contracts	1,370,309	-	1,370,309	37,109,056	1%	0.0%	0.0%	-	1,456,396	-	1,456,396	86,087	5.9%	6.3%	\$ 1,480	
Subtotal revenue from rates	\$ 808,724,698	\$ 374,227,491	\$ 434,497,207	1,142,550,757	100%			\$ 22,726,603	\$ 457,311,377	\$ 373,800,869	\$ 831,112,246	\$ 22,814,170	2.7%	5.3%	\$ -	
Other revenue	7,009,594	-	7,009,594	-				7,009,594	7,009,594	-	7,009,594	-	0.0%	5.2%	\$ 1,480	
Total	\$ 815,734,292	\$ 374,227,491	\$ 441,506,801	1,142,550,757				\$ 22,726,603	\$ 464,320,971	\$ 373,800,869	\$ 838,121,840	\$ 22,814,170	2.8%	5.2%	\$ -	
Proposed total increase								\$ 22,812,690								
Average increase on margin (includes rentals, excludes contracts)								5.27%								
Average increase on total (includes rentals, excludes contracts)								2.83%								
Average increase on margin after contracts								5.25%								
Adjustment to increase for unequal allocation of increase								0.916								
Rounding error																\$ 1,480

(1) Pro forma gas revenue at rates (2016 PGA) in place at the time of filing.
(2) Calculated margin increase (column M) divided by pro forma revenue at existing rates (column B).
(3) Calculated margin increase (column M) divided by pro forma margin at existing rates (column D).
(4) Pro forma gas revenue at proposed PGA allocation based on 2016 PGA rates.

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference	Resulting Percent
		Units	Therms	Rates	Revenues	Rates	Revenues		
Schedule 23									
Basic Charge	Bills	9,046,018	\$10.34	\$93,535,822	\$11.00	\$99,506,193	\$5,970,372	6.383%	TARGET 23/53 \$14,633,911 over (under) \$842
Delivery Charge	Therms	577,624,590	\$0.36492	\$210,786,765	\$0.37992	\$219,451,134	\$8,664,369	4.110%	
				\$304,322,587		\$318,957,327	\$14,634,740	4.8%	
Gas Revenue (Schedule 101) (1)	Therms	577,624,590	\$0.41790	\$241,389,316	\$0.40920	\$236,363,982	(\$5,025,334)	-2.1%	4.1110%
Total Revenues				\$545,711,903		\$555,321,310	\$9,609,407	1.8%	
Schedule 53									
Basic Charge	Bills	13	\$10.34	\$134	\$11.00	\$143	\$9	6.383%	6.383% 4.110%
Delivery Charge	Therms	249	\$0.36492	\$91	\$0.37992	\$95	\$4	4.110%	
Total Delivery Charges				\$225		\$238	\$12	5.5%	
Gas Revenue (Schedule 101)	Therms	249	\$4.00641	\$999	\$4.00641	\$999	\$0	0.0%	
Total Revenues				\$1,225		\$1,237	\$12	1.0%	
Schedule 16									
Total Delivery Charge	Maniles	510	\$9.85	\$5,023	\$10.32	\$5,263	\$240	4.8%	TARGET 16 \$245 over (under) (\$6)
Calculated Total Therms		9,690							
Gas Revenue (Schedule 101) (1)		9,690	\$0.41789	\$4,049	\$0.40895	\$3,963	(\$87)	-2.1%	4.8000%
Total Revenues				\$9,073		\$9,226	\$153	1.7%	
Residential Summary									
Total Residential Gas (Schedule 101) Revenues	Therms			Current		Proposed	Change		
Total Residential Margin Revenues				\$241,394,365		\$236,368,944	(\$5,025,421)		
Total Residential Revenues		577,634,529		\$304,327,836		\$318,962,828	\$14,634,992	4.8%	
				\$545,722,201		\$555,331,773	\$9,609,572	1.8%	

(1) Schedule 101 rates at proposed revenue adjustment factor (RAF).

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference	Resulting Percent
		Units	Determinants	Rates	Revenues	Rates	Revenues		
								\$	%
Schedule 31 - Sales									
Basic Charge	Bills	679,614	\$33.42	\$22,712,700	\$35.10	\$23,854,452	\$1,141,752		5.027%
Delivery Charge	Therms	214,590,052	\$0.30627	\$65,722,495	\$0.32170	\$69,033,620	\$3,311,124		5.038%
Procurement Charge		214,590,052	\$0.00000	\$0	\$0.00098	\$1,927,019	\$1,927,019		
Total Delivery Charges				\$88,435,196		\$94,815,091	\$6,379,895		7.2%
Gas Revenue (Schedule 101) (1)	Therms	214,590,052	\$0.41124	\$88,248,013	\$0.40656	\$87,243,732	(\$1,004,281)		-1.1%
Total Revenues				\$176,683,209		\$182,058,822	\$5,375,613		3.0%
Schedule 31 - Transportation									
Basic Charge	Bills	23	\$367.59	\$8,455	\$386.10	\$8,880	\$426		5.036%
Delivery Charge	Therms	22,881	\$0.30627	\$7,008	\$0.32170	\$7,361	\$353		5.038%
Procurement Charge		22,881	(\$0.00539)	(\$123)	\$0.00000	\$0	\$123		
Total Delivery Charges				\$15,339		\$16,241	\$902		
Gas Balancing Service Charge	Therms	22,881	\$0.00070	\$16	\$0.00070	\$16	\$0		
Total Revenues				\$15,355		\$16,257	\$902		
Schedule 31 - Total									
Basic Charge	Bills	679,637		\$22,721,155		\$23,863,332	\$1,142,177		
Delivery Charge	Therms	214,612,933		\$65,729,380		\$70,967,999	\$5,238,620		
Total Delivery Charges				\$88,450,535		\$94,831,332	\$6,380,797		7.2%
Gas Revenue (Schedule 101) (1)	Therms	214,612,933		\$88,248,029		\$87,243,748	(\$1,004,281)		-1.1%
Total Revenues				\$176,698,564		\$182,075,079	\$5,376,515		3.0%

TARGET 31/31T
\$6,379,957 over (under)
\$840
5.0365%

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference	Resulting Percent
		Units	Determinants	Rates	Revenues	Rates	Revenues		
Schedule 41 - Sales									
Basic Charge	Bills	15,596	\$0.11422	\$1,781,387	\$116.81	\$1,821,781	\$40,394	2.268%	TARGET 41/41T \$650,095 over (under) (\$88)
Minimum Bill	Bills	15,596	\$124.36	\$1,939,532	\$127.19	\$1,983,669	\$44,137	2.276%	
Demand Charge	Demand	3,164,797	\$1.15	\$3,639,517	\$1.17	\$3,702,813	\$63,296	1.739%	
Delivery Charge:									
First 900 therms	Therms	12,882,106	\$0.13818		\$0.14132			2.272%	2.2700%
Next 4,100 therms	Therms	25,396,656	\$0.13818	\$3,509,310	\$0.14132	\$3,589,055	\$79,746	2.266%	
All over 5,000 therms	Therms	11,497,474	\$0.11123	\$1,278,864	\$0.11375	\$1,307,838	\$28,974		
Total Volume		49,776,236							
Procurement Charge	Therms	49,776,236	\$ -	\$0	\$ 0.00678	\$337,483	\$337,483		
Total Delivery Charges				\$12,148,610		\$12,742,639	\$594,029	4.9%	
Gas Revenue (Schedule 101) (1)									
Volumetric Charge	Therms	49,776,236	\$0.32683	\$16,268,367	\$0.39755	\$19,788,543	\$3,520,175		
Demand Charge	Demand	3,164,797	\$1.05	\$3,323,037	\$1.05	\$3,323,037	\$0		
Total Gas Revenue				\$19,591,404		\$23,111,580	\$3,520,175	18.0%	
Total Revenues				\$31,740,014		\$35,854,218	\$4,114,204	13.0%	
Schedule 41 - Transportation									
Basic Charge	Bills	803	\$440.55	\$353,820	\$450.55	\$361,851	\$8,031	2.270%	2.272%
Minimum Bill	Bills	803	\$124.36	\$99,878	\$127.19	\$102,150	\$2,273	2.276%	
Demand Charge	Demand	357,499	\$1.15	\$411,123	\$1.17	\$418,273	\$7,150	1.739%	
Delivery Charge:									
First 900 therms	Therms	686,083	\$0.13818		\$0.14132			2.272%	2.272%
Next 4,100 therms	Therms	2,330,592	\$0.13818	\$322,041	\$0.14132	\$329,359	\$7,318	2.272%	
All over 5,000 therms	Therms	1,889,409	\$0.11123	\$210,159	\$0.11375	\$214,920	\$4,761	2.266%	
Total Volume		4,906,085							
Procurement Charge	Therms	4,906,085	\$ (0.00539)	\$(26,444)	\$ -	\$0	\$26,444		
Total Delivery Charges				\$1,370,577		\$1,426,555	\$55,977	4.1%	
Gas Balancing Service Charge	Therms	4,906,085	\$0.00070	\$3,434	\$0.00070	\$3,434	\$0		
Total Revenues				\$1,374,012		\$1,429,989	\$55,977	4.1%	

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference	Target Increase	Resulting Percent
		Determinants	Rates	Revenues	Rates	Revenues	\$			
Schedule 41 - Total										
Basic Charge	Bills	16,399		\$2,135,207		\$2,183,632	\$48,425			
Minimum Bill	Bills	16,399		\$2,039,409		\$2,085,819	\$46,410			
Demand Charge	Demand	3,522,296		\$4,050,640		\$4,121,086	\$70,446			
Delivery Charge:										
First 900 therms	Therms	13,568,189			in minimum bills					
Next 4,100 therms	Therms	27,727,248		\$3,831,351		\$3,918,415	\$87,064			
All over 5,000 therms	Therms	13,386,883		\$1,489,023		\$1,522,758	\$33,735			
Total Volume		54,682,321		(\$26,444)		\$337,483	\$26,444			
Procurement Charge	Therms	4,906,085		\$13,519,187		\$14,169,193	\$312,523	2.3%		
Total Delivery Charges										
Gas Revenue (Schedule 101) (1)										
Volumetric Charge				\$16,268,367		\$19,788,543	\$3,520,175			
Demand Charge				\$3,323,037		\$3,323,037	\$0			
Gas Balancing Service Charge				\$3,434		\$3,434	\$0			
Total Gas Revenue				\$19,594,839		\$23,115,014	\$3,520,175	18.0%		
Total Revenues				\$33,114,026		\$37,284,207	\$3,832,699	11.6%		

Commercial & Industrial Summary

Description	Units	Billing Determinants		Current		Proposed		Change	Target Increase	Resulting Percent
		Determinants	Rates	Revenues	Rates	Revenues	\$			
Total Gas (Schedule 101) Revenues										
Schedules 31, 31T, 61				\$88,248,029		\$87,243,748	-\$1,004,281			
Schedule 41, 41T				\$19,594,839		\$23,115,014	\$3,520,175			
Total				\$107,842,868		\$110,358,762	\$2,515,894			
Total Margin Revenues										
Schedules 31, 31T				\$88,450,535		\$94,831,332	\$6,380,797	7.2%		
Schedule 41, 41T				\$13,519,187		\$14,169,193	\$650,006	4.8%		
Total				\$101,969,722		\$109,000,525	\$7,030,803	6.9%		
Total Revenue										
Schedules 31, 31T			214,612,933	\$176,698,564		\$182,075,079	\$5,376,515	3.0%		
Schedule 41, 41T			54,682,321	\$33,114,026		\$37,284,207	\$4,170,182	12.6%		
Total			269,295,254	\$209,812,590		\$219,359,287	\$9,546,697	4.6%		

(1) Schedule 101 rates at proposed revenue adjustment factor (RAF).

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference	Resulting Percent
		Units	Determinants	Rates	Revenues	Rates	Revenues		
					\$		\$		Percent
Schedule 85 - Sales									
Basic Charge	Bills	970		\$563.45	\$546,391	\$594.29	\$576,297	\$29,906	5.473%
Demand Charge	Demand	764,342		\$1.15	\$878,994	\$1.19	\$909,567	\$30,574	3.478%
Procurement Charge	Therms	33,816,220		\$0.00682	\$230,627	\$0.00601	\$203,235	(\$27,391)	-11.877%
Minimum Bills					\$35,524		\$35,524	\$0	
Delivery Charge:									
First 25,000 Therms	Therms	16,704,881		\$0.10206	\$1,704,900	\$0.10765	\$1,798,280	\$93,380	5.477%
Next 25,000 Therms	Therms	6,984,486		\$0.05050	\$352,717	\$0.05326	\$371,994	\$19,277	5.465%
All over 50,000 Therms	Therms	10,126,853		\$0.04832	\$489,530	\$0.05096	\$516,064	\$26,735	5.464%
Total Delivery Charges		33,816,220			\$4,238,282		\$4,410,763	\$172,481	4.1%
Gas Revenue (Schedule 101) (1)									
Volumetric Charge	Therms	33,816,220		\$0.35860	\$12,126,496	\$0.39243	\$13,270,499	\$1,144,003	
Demand Charge	Demand	764,342		\$1.05	\$802,559	\$1.05	\$802,559	\$0	
Total Gas Revenue					\$12,929,056		\$14,073,059	\$1,144,003	8.8%
Total Revenues					\$17,167,338		\$18,483,821	\$1,316,484	7.7%
Schedule 85 - Transportation									
Basic Charge	Bills	1,640		\$901.50	\$1,478,517	\$950.84	\$1,559,438	\$80,921	5.473%
Demand Charge	Demand	1,347,721		\$1.15	\$1,549,879	\$1.19	\$1,603,787	\$53,909	3.478%
Minimum Bills					\$26,487		\$26,487	\$0	
Delivery Charge:									
First 25,000 Therms	Therms	37,450,452		\$0.10206	\$3,822,193	\$0.10765	\$4,031,541	\$209,348	5.477%
Next 25,000 Therms	Therms	22,023,425		\$0.05050	\$1,112,183	\$0.05326	\$1,172,968	\$60,785	5.465%
Next 50,000 Therms	Therms	32,968,217		\$0.04832	\$1,593,024	\$0.05096	\$1,680,060	\$87,036	5.464%
Total Delivery Charges		92,442,093			\$9,582,283		\$10,074,281	\$491,998	5.1%
Gas Balancing Service Charge	Therms	92,442,093		\$0.00070	\$64,709	\$0.00070	\$64,709	\$0	
Total Revenues					\$9,646,993		\$10,138,991	\$491,998	5.1%

TARGET: \$5,851T
\$664,587
over (under)
(\$107)

5.4730%

Puget Sound Energy
2017 Gas General Rate Case Supplemental
Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing		Current		Proposed		Difference	Resulting
		Determinants	Rates	Revenues	Rates	Revenues	Revenues		
						\$	\$	\$	Percent
Schedule 85 - Total									
Basic Charge	Bills	2,610		\$2,024,908		\$2,135,735	\$110,827		
Demand Charge	Demand	2,112,063		\$2,428,872		\$2,513,355	\$84,483		
Procurement Charge	Therms	33,816,220		\$230,627		\$203,235	(\$27,391)		
Minimum Bills				\$61,811		\$61,811	\$0		
Delivery Charge:									
First 25,000 Therms	Therms	54,155,333		\$5,527,093		\$5,829,822	\$302,728		
Next 25,000 Therms	Therms	29,007,911		\$1,464,900		\$1,544,961	\$80,062		
All over 50,000 Therms	Therms	43,095,069		\$2,082,354		\$2,196,125	\$113,771		
Total Delivery Charges		126,258,313		\$13,820,365		\$14,485,044	\$664,480		4.8%
Gas Revenue (Schedule 101) (1)									
Volumetric Charge		33,816,220		\$12,126,496		\$13,270,499	\$1,144,003		
Demand Charge		764,342		\$802,559		\$802,559	\$0		
Gas Balancing Service Charge	Therms	92,442,093		\$64,709		\$64,709	\$0		
Total Gas Revenue				\$12,993,765		\$14,137,768	\$1,144,003		8.8%
Total Revenues				\$26,814,330		\$28,622,812	\$1,808,482		6.7%
Schedule 86 - Sales									
Basic Charge	Bills	2,859	\$144.01	\$411,712	\$145.47	\$415,886	\$4,174		1.014%
Demand Charge	Demand	84,424	\$1.15	\$97,087	\$1.22	\$102,997	\$5,910		6.087%
Procurement Charge	Therms	9,624,897	\$0.00681	\$65,546	\$0.00950	\$91,437	\$25,891		39.501%
Minimum Bills				\$32,304		\$32,304	\$0		
Delivery Charge:									
First 1,000 therms	Therms	2,175,439	\$0.19916	\$433,261	\$0.20118	\$437,655	\$4,394		1.014%
All over 1,000 therms	Therms	7,449,457	\$0.14120	\$1,051,863	\$0.14263	\$1,062,516	\$10,653		1.013%
Total Delivery Charges	Therms	9,624,897		\$2,091,773		\$2,142,795	\$51,022		2.4%
Gas Revenue (Schedule 101) (1)									
Volumetric Charge	Therms	9,624,897	\$0.36430	\$3,506,350	\$0.39303	\$3,782,873	\$276,523		
Demand Charge	Demand	84,424	\$1.05	\$88,645	\$1.05	\$88,645	\$0		
Total Gas Revenue				\$3,594,995		\$3,871,518	\$276,523		7.7%
Total Revenues				\$5,686,768		\$6,014,313	\$327,545		5.8%

TARGET 86.86T
\$52,370
over (under)
\$9

1.0150%

Puget Sound Energy
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Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference		Resulting Percent
		Determinants	Rates	Rates	Revenues	Rates	Revenues	\$	Percent	
Schedule 86 - Transportation										
Basic Charge	Bills	49	\$458.22	\$22,453	\$462.87	\$22,681	\$228	1.015%		
Demand Charge	Demand	8,250	\$1.15	\$9,488	\$1.22	\$10,065	\$578	6.087%		
Minimum Bills				\$0		\$0	\$0			
Delivery Charge:										
First 1,000 therms	Therms	31,000	\$0.19916	\$6,174	\$0.20118	\$6,237	\$63	1.014%		
All over 1,000 therms	Therms	341,634	\$0.14120	\$48,239	\$0.14263	\$48,727	\$489	1.013%		
Total Delivery Charges	Therms	372,634		\$86,353		\$87,710	\$1,357			
Gas Balancing Service Charge	Therms	372,634	\$0.00070	\$261	\$0.00070	\$261	\$0			
Total Revenues				\$86,614		\$87,970	\$1,357			
Schedule 86 - Total										
Basic Charge	Bills	2,908		\$434,165		\$438,567	\$4,402			
Demand Charge	Demand	92,674		\$106,575		\$113,062	\$6,487			
Procurement Charge	Therms	9,624,897		\$66,546		\$91,437	\$25,891			
Minimum Bills				\$32,304		\$32,304	\$0			
Delivery Charge:										
First 1,000 therms	Therms	2,206,439		\$439,434		\$443,891	\$4,457			
All over 1,000 therms	Therms	7,791,091		\$1,100,102		\$1,111,243	\$11,141			
Total Delivery Charges	Therms	9,997,531		\$2,178,126		\$2,230,504	\$52,378	2.4%		
Gas Revenue (Schedule 101) (1)										
Volumetric Charge	Therms	9,997,531		\$3,506,350		\$3,782,873	\$276,523			
Demand Charge	Demand	92,674		\$88,645		\$88,645	\$0			
Gas Balancing Service Charge	Therms	9,997,531		\$261		\$261	\$0			
Total Gas Revenue				\$3,595,256		\$3,871,779	\$276,523	7.7%		
Total Revenues				\$5,773,382		\$6,102,283	\$328,902	5.7%		

Puget Sound Energy
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Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants		Current		Proposed		Difference		Resulting Percent
		Determinants	Rates	Revenues	Rates	Revenues	\$	%		
Schedule 87 - Sales										
Basic Charge	Bills	60	\$579.19	\$34,628	\$615.10	\$36,775	\$2,147			
Demand Charge	Demand	0	\$1.15	\$0	\$1.38	\$0	\$0			6.200%
Procurement Charge		23,031,236	\$0.00539	\$124,138	\$0.00607	\$139,800	\$15,661			20.000%
Minimum Bills				\$83,384		\$83,384	\$0			12.616%
Delivery Charge:										
First 25,000 Therms	Therms	1,467,944	\$0.14454	\$212,177	\$0.15350	\$225,329	\$13,153			6.199%
Next 25,000 Therms	Therms	1,444,685	\$0.08735	\$126,193	\$0.09277	\$134,023	\$7,830			6.205%
Next 50,000 Therms	Therms	2,610,929	\$0.05558	\$145,115	\$0.05903	\$154,123	\$9,008			6.207%
Next 100,000 Therms	Therms	3,148,639	\$0.03564	\$112,218	\$0.03785	\$119,176	\$6,958			6.201%
Next 300,000 Therms	Therms	3,956,751	\$0.02564	\$101,451	\$0.02723	\$107,742	\$6,291			6.201%
All over 500,000 Therms	Therms	10,402,289	\$0.01977	\$205,653	\$0.02100	\$218,448	\$12,795			6.201%
Total Delivery Charges	Therms	23,031,236		\$1,144,957		\$1,218,801	\$73,843			
Gas Revenue (Schedule 101) (1)										
Volumetric Charge	Therms	23,031,236	\$0.36176	\$8,331,780	\$0.39052	\$8,994,158	\$662,378			
Demand Charge	Demand	0	\$1.05	\$0	\$1.06	\$0	\$0			
Total Gas Revenue				\$8,331,780		\$8,994,158	\$662,378			8.0%
Total Revenues				\$9,476,737		\$10,212,959	\$736,222			7.8%
Schedule 87 - Transportation										
Basic Charge	Bills	129	\$926.71	\$119,576	\$984.17	\$126,991	\$7,414			6.200%
Demand Charge	Demand	295,627	\$1.15	\$339,971	\$1.38	\$407,965	\$67,994			20.000%
Minimum Bills				\$24,438		\$24,438	\$0			
Delivery Charge:										
First 25,000 Therms	Therms	3,241,893	\$0.14454	\$468,383	\$0.15350	\$497,631	\$29,047			6.199%
Next 25,000 Therms	Therms	3,200,834	\$0.08735	\$279,593	\$0.09277	\$296,941	\$17,349			6.205%
Next 50,000 Therms	Therms	6,355,016	\$0.05558	\$353,212	\$0.05903	\$375,137	\$21,925			6.207%
Next 100,000 Therms	Therms	12,008,961	\$0.03564	\$427,999	\$0.03785	\$454,539	\$26,540			6.201%
Next 300,000 Therms	Therms	27,176,210	\$0.02564	\$696,798	\$0.02723	\$740,008	\$43,210			6.201%
All over 500,000 Therms	Therms	47,241,923	\$0.01977	\$933,973	\$0.02100	\$992,080	\$58,108			6.222%
Total Delivery Charges	Therms	99,224,837		\$3,644,143		\$3,915,730	\$271,587			
Gas Balancing Service Charge	Therms	99,224,837	\$0.00070	\$69,457	\$0.00070	\$69,457	\$0			
Total Revenues				\$3,713,600		\$3,985,187	\$271,587			7.3%

TARGET 87,871T
\$345,439
over (under)
(\$9)

6.2000%

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Current and Proposed Rates by Rate Schedule

Description	Units	Billing Determinants	Current		Proposed		Difference	Resulting Percent
			Revenues	Rates	Revenues	Rates		
Schedule 87 - Total								
Basic Charge		189	\$154,205		\$163,766	\$9,561		
Demand Charge		295,627	\$339,971		\$407,965	\$67,994		
Procurement Charge			\$124,138		\$139,800	\$15,661		
Minimum Bills			\$107,822		\$0	\$0		
Delivery Charge:								
First 25,000 Therms	Therms	4,709,837	\$680,760		\$722,960	\$42,200		
Next 25,000 Therms	Therms	4,645,519	\$405,786		\$430,965	\$25,179		
Next 50,000 Therms	Therms	8,965,944	\$498,327		\$529,260	\$30,932		
Next 100,000 Therms	Therms	15,157,600	\$540,217		\$573,715	\$33,498		
Next 300,000 Therms	Therms	31,132,961	\$798,249		\$847,751	\$49,501		
All over 500,000 Therms	Therms	57,644,212	\$1,139,626		\$1,210,528	\$70,902		
Total Delivery Charges	Therms	122,256,073	\$4,789,100		\$5,134,530	\$345,430		7.2%
Gas Revenue (Schedule 101) (1)			\$8,331,780		\$8,994,158	\$662,378		
Volumetric Charge			\$0		\$0	\$0		
Demand Charge			\$69,457		\$69,457	\$0		
Gas Balancing Service Charge	Therms	99,224,837	\$8,401,237		\$9,063,616	\$662,378		7.9%
Total Gas Revenue			\$13,190,338		\$14,198,146	\$1,007,808		7.6%

Interruptible Summary

Total Gas (Schedule 101) Revenues

	Therms	Current	Proposed	Change
Schedules 85, 85T		\$12,993,765	\$14,137,768	\$1,144,003
Schedules 86, 86T		\$3,595,256	\$3,871,779	\$276,523
Schedules 87, 87T		\$8,401,237	\$9,063,616	\$662,378
Total		\$24,990,258	\$27,073,163	\$2,082,904

Total Margin Revenues

Schedules 85, 85T		\$13,820,565	\$14,485,044	\$664,480
Schedules 86, 86T		\$2,178,126	\$2,230,504	\$52,378
Schedules 87, 87T		\$4,789,100	\$5,134,530	\$345,430
Total		\$20,787,791	\$21,850,079	\$1,062,288

Total Revenue

Schedules 85, 85T	126,258,313	\$26,814,330	\$28,622,812	\$1,808,482
Schedules 86, 86T	9,997,531	\$5,773,382	\$6,102,283	\$328,902
Schedules 87, 87T	122,256,073	\$13,190,338	\$14,198,146	\$1,007,808
Total	258,511,917	\$45,778,050	\$48,923,242	\$3,145,192

Total Summary

Total	1,105,441,701	\$801,312,840	\$823,614,301	\$22,301,461	2.8%
Plus Contracts	37,109,056	\$1,370,309	\$1,456,396	\$86,087	6.3%
Plus Rentals		\$6,041,548	\$0	\$0	0.0%
Grand Total	1,142,550,757	\$808,724,698	\$831,112,246	\$22,387,548	2.8%
Pro Forma Total	1,142,550,757	\$808,724,698	\$831,112,246	\$22,387,548	2.8%
Check	0	\$0	\$0	\$0	
Check	0	\$0	\$0	\$0	

(1) Schedule 101 rates at proposed revenue adjustment factor (RAF).

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Test Year Ended September 2016
Current and Proposed Rates by Rate Schedule
Rental Schedules 71, 72 and 74

Line	Schedule	Rate Schedule	Description	Annual Charges	Current Rates	Revenue Under		Proposed Rates	Revenue Under	Proposed Increase
						D	E			
1	71	71G-A	Standard Models	13,837	\$ 7.49	\$ 103,639	\$ 7.49	\$ 103,639	\$ -	
2	71	71G-B	Conservation Models	215,861	\$ 12.29	2,652,932	12.29	2,652,932	-	
3	71	71G-C	Direct Vent Models	40,579	\$ 17.43	707,292	17.43	707,292	-	
4	71	71G-D	High Recovery Models	9,443	\$ 17.06	161,098	17.06	161,098	-	
5	71	71G-E	High Efficiency Standard (Energy Factor ≥ 60)	44,756	\$ 5.93	265,403	5.93	265,403	-	
6	71	71G-F	High Efficiency Direct Vent (Energy Factor ≥ 60)	2,577	\$ 10.74	27,677	10.74	27,677	-	
7	72	72G-F	25 - 40 gallon storage 30,000 to 50,000	1,528	\$ 15.14	23,134	15.14	23,134	-	
8	72	72G-G	45 - 55 gallon storage 70,000 to 79,000	1,127	\$ 19.92	22,450	19.92	22,450	-	
9	72	72G-H	45 - 55 gallon storage 51,000 to 75,000	3,097	\$ 19.92	61,692	19.92	61,692	-	
10	72	72G-I	50 - 65 gallon storage 60,000 to 69,000	169	\$ 31.46	5,317	31.46	5,317	-	
11	72	72G-J	60 - 84 gallon storage 70,000 to 129,000	7,262	\$ 41.18	299,049	41.18	299,049	-	
12	72	72G-K	75 - 90 gallon storage 130,000 to 169,000	4,883	\$ 55.14	269,249	55.14	269,249	-	
13	72	72G-L	75 - 100 gallon storage 170,000 to 200,000	13,877	\$ 64.13	889,932	64.13	889,932	-	
14	74	74G-A	45,000 to 400,000 Standard Models	13,829	\$ 10.33	142,854	10.33	142,854	-	
15	74	74G-B	401,000 to 700,000 Standard Models	909	\$ 28.17	25,607	28.17	25,607	-	
16	74	74G-C	701,000 to 1,300,000 Standard Models	588	\$ 38.20	22,462	38.20	22,462	-	
17	74	74G-D	45,000 to 400,000 Conservation Models	22,940	\$ 15.77	361,764	15.77	361,764	-	
18			Total	397,262		6,041,548		6,041,548	\$ -	

TARGET
\$ -
over (under)
\$ -

0.000%
