

**EXH. JAP-44  
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**

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

**JON A. PILIARIS**

**ON BEHALF OF PUGET SOUND ENERGY**

**APRIL 3, 2017**

Puget Sound Energy  
GRC Rate Impacts  
Test Year ended September 2016  
\$ x 1000

Line No.	Tariff	Annual mWh Delivered Sales YE 9-2016	Estimated Annual Revenue	Schedule										Annual Estimated Revenue @ Rates Effective 12/31/2016			
				95A Federal Incentive Credit	95 PCORC	95 Schedule Base Revenue	120 Conservatio	129 Low Income	132 Merger Credit	140 Property Tax	141 ERF	142 Rate Plan, Deferral & K-Factor	194 BPA Res & Farm Credit		Subtotal Rider Rates	∑(c...k)	m = b+1
1	7	10,442,426	\$ 1,066,627	\$ (28,894)	\$ (34,802)	\$ 63,438	\$ 9,534	\$ 16,991	\$ 96,112	\$ (69,308)	\$ 86,320	\$ 1,152,947					
2	Residential	10,442,426	\$ 1,066,627	\$ (28,894)	\$ (34,802)	\$ 63,438	\$ 9,534	\$ 16,991	\$ 96,112	\$ (69,308)	\$ 86,320	\$ 1,152,947					
3																	
4	24 (8)	2,787,459	\$ 266,944	\$ (8,568)	\$ (5,915)	\$ 12,937	\$ 2,328	\$ 4,339	\$ 14,372	\$ (1,738)	\$ 23,999	\$ 290,943					
5	25 (11, 7A)	2,830,899	\$ 251,785	\$ (8,670)	\$ (5,826)	\$ 12,736	\$ 2,200	\$ 3,524	\$ 14,596	\$ (1,030)	\$ 23,311	\$ 275,096					
6	26 (12,26P)	1,867,682	\$ 151,835	\$ (5,900)	\$ (4,072)	\$ 8,965	\$ 1,326	\$ 1,962	\$ 5,275	\$ (117)	\$ 11,104	\$ 162,939					
7	29	14,327	\$ 1,138	\$ (41)	\$ (30)	\$ 66	\$ 10	\$ 19	\$ 74	\$ (98)	\$ 30	\$ 1,168					
8	Total Secondary	7,500,367	\$ 671,702	\$ (23,179)	\$ (15,843)	\$ 34,704	\$ 5,864	\$ 9,844	\$ 34,317	\$ (2,983)	\$ 58,444	\$ 730,146					
9																	
10	31 (10)	1,264,534	\$ 101,395	\$ (3,618)	\$ (2,611)	\$ 5,756	\$ 891	\$ 1,345	\$ 3,655	\$ (218)	\$ 7,639	\$ 109,034					
11	35	4,453	\$ 248	\$ (11)	\$ (6)	\$ 14	\$ 4	\$ -	\$ 23	\$ (30)	\$ 3	\$ 251					
12	43	119,660	\$ 10,338	\$ (336)	\$ (232)	\$ 509	\$ 93	\$ 206	\$ 617	\$ -	\$ 1,272	\$ 11,610					
13	Total Primary	1,388,647	\$ 111,981	\$ (3,965)	\$ (2,849)	\$ 6,279	\$ 988	\$ 1,551	\$ 4,295	\$ (248)	\$ 8,914	\$ 120,895					
14																	
15	40	674,604	\$ 47,837	\$ (2,137)	\$ (1,579)	\$ 3,469	\$ 414	\$ 319	\$ 3,479	\$ -	\$ 5,438	\$ 53,275					
16																	
17	46	64,275	\$ 4,202	\$ (172)	\$ (85)	\$ 187	\$ 39	\$ 20	\$ 332	\$ -	\$ 410	\$ 4,612					
18	49	567,984	\$ 36,158	\$ (1,325)	\$ (1,143)	\$ 2,514	\$ 318	\$ 201	\$ 2,928	\$ -	\$ 4,275	\$ 40,433					
19	Total High Voltage	632,259	\$ 40,360	\$ (1,497)	\$ (1,228)	\$ 2,701	\$ 357	\$ 221	\$ 3,260	\$ -	\$ 4,685	\$ 45,045					
20																	
21	50-59	77,972	\$ 17,167	\$ (241)	\$ (220)	\$ 489	\$ 154	\$ 611	\$ 1,738	\$ (13)	\$ 3,182	\$ 20,349					
22																	
23	449-459	2,098,104	\$ 7,513	\$ -	\$ 2,270	\$ 67	\$ 67	\$ 209	\$ 179	\$ -	\$ 3,279	\$ 10,792					
24																	
25	Total	22,814,379	\$ 1,963,187	\$ (65,821)	\$ (50,613)	\$ 113,350	\$ 17,378	\$ 29,746	\$ 143,380	\$ (72,552)	\$ 170,262	\$ 2,133,449					
26																	
27	5	6,930	\$ 316	\$ (22)	\$ (18)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (40)	\$ 276					
28																	
29	All Sales	22,821,309	\$ 1,963,503	\$ (65,843)	\$ (50,631)	\$ 113,350	\$ 17,378	\$ 29,746	\$ 143,380	\$ (72,552)	\$ 170,222	\$ 2,133,725					

Puget Sound Energy  
GRC Rate Impacts  
Test Year ended September 2016  
\$ x 1000

Line No.	Tariff	Estimated Annual Proposed Base Revenue	Subtotal Rider Rates	Remove:				Add:			Total Proposed Rates	Base Revenue Change	Net Revenue Change	% Change (Base)	% Change (Net)
				Schedule 95 PCORC	Schedule 141 ERF	Schedule 142 Rate Plan, Deferral & K-Factor	Schedule 142 Decoupling (Deferral)	Schedule 149 Electric CRM	Schedule 149 Electric CRM						
n	o = l	p = c	q = i	r = j	s	t	u = $\sum (n...t)$	v = m - b	w = u - m	x = v / b	y = w / m				
1	7	\$ 1,153,702	\$ 86,320	\$ 34,802	\$ (16,991)	\$ (96,112)	\$ 8,396	\$ 8,396	\$ 1,182,658	\$ 87,075	\$ 29,711	8.2%	2.6%		
2	Residential	\$ 1,153,702	\$ 86,320	\$ 34,802	\$ (16,991)	\$ (96,112)	\$ 8,396	\$ 8,396	\$ 1,182,658	\$ 87,075	\$ 29,711	8.2%	2.6%		
3															
4	24 (8)	\$ 283,287	\$ 23,999	\$ 8,568	\$ (4,339)	\$ (14,372)	\$ 3,721	\$ 1,143	\$ 302,007	\$ 16,343	\$ 11,064	6.1%	3.8%		
5	25 (11, 7A)	\$ 267,201	\$ 23,311	\$ 8,670	\$ (3,524)	\$ (14,596)	\$ 3,779	\$ 564	\$ 285,405	\$ 15,416	\$ 10,309	6.1%	3.7%		
6	26 (12,26P)	\$ 161,130	\$ 11,104	\$ 5,900	\$ (1,962)	\$ (5,275)	\$ (767)	\$ 172	\$ 170,302	\$ 9,295	\$ 7,363	6.1%	4.5%		
7	29	\$ 1,207	\$ 30	\$ 41	\$ (19)	\$ (74)	\$ 19	\$ -	\$ 1,204	\$ 69	\$ 36	6.1%	3.1%		
8	Total Secondary	\$ 712,825	\$ 58,444	\$ 23,179	\$ (9,844)	\$ (34,317)	\$ 6,752	\$ 1,879	\$ 758,918	\$ 41,123	\$ 28,772	6.1%	3.9%		
9															
10	31 (10)	\$ 107,602	\$ 7,659	\$ 3,618	\$ (1,345)	\$ (3,655)	\$ (129)	\$ 78	\$ 113,808	\$ 6,207	\$ 4,774	6.1%	4.4%		
11	35	\$ 263	\$ 3	\$ 11	\$ -	\$ (23)	\$ 6	\$ -	\$ 260	\$ 15	\$ 9	6.0%	3.6%		
12	43	\$ 11,182	\$ 1,272	\$ 336	\$ (206)	\$ (617)	\$ 160	\$ 121	\$ 12,248	\$ 844	\$ 638	8.2%	5.5%		
13	Total Primary	\$ 119,047	\$ 8,914	\$ 3,965	\$ (1,551)	\$ (4,295)	\$ 37	\$ 199	\$ 126,316	\$ 7,066	\$ 5,421	6.3%	4.5%		
14															
15	40	\$ 51,873	\$ 5,438	\$ 2,137	\$ (319)	\$ (3,479)	\$ 901	\$ -	\$ 56,551	\$ 4,036	\$ 3,276	8.4%	6.1%		
16															
17	46	\$ 4,460	\$ 410	\$ 172	\$ (20)	\$ (332)	\$ 86	\$ -	\$ 4,776	\$ 258	\$ 164	6.1%	3.6%		
18	49	\$ 38,371	\$ 4,275	\$ 1,325	\$ (201)	\$ (2,928)	\$ 758	\$ -	\$ 41,600	\$ 2,213	\$ 1,167	6.1%	2.9%		
19	Total High Voltage	\$ 42,831	\$ 4,685	\$ 1,497	\$ (221)	\$ (3,260)	\$ 844	\$ -	\$ 46,376	\$ 2,471	\$ 1,331	6.1%	3.0%		
20															
21	50-59	\$ 18,569	\$ 3,182	\$ 241	\$ (611)	\$ (1,738)	\$ -	\$ 5	\$ 19,648	\$ 1,402	\$ (701)	8.2%	-3.4%		
22															
23	449-459	\$ 7,964	\$ 3,279	\$ -	\$ (209)	\$ (179)	\$ -	\$ -	\$ 10,855	\$ 451	\$ 63	6.0%	0.6%		
24															
25	Total	\$ 2,106,811	\$ 170,262	\$ 65,821	\$ (29,746)	\$ (143,380)	\$ 21,075	\$ 10,479	\$ 2,201,322	\$ 143,624	\$ 67,873	7.3%	3.2%		
26															
27	5	\$ 722	\$ (40)	\$ 22	\$ -	\$ -	\$ -	\$ -	\$ 704	\$ 406	\$ 428	128.5%	155.1%		
28															
29	All Sales	\$ 2,107,533	\$ 170,222	\$ 65,843	\$ (29,746)	\$ (143,380)	\$ 21,075	\$ 10,479	\$ 2,202,026	\$ 144,030	\$ 68,301	7.3%	3.2%		

**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 7  
Residential Service**

kWh	Customers	Monthly Energy Charge <sup>1</sup>			%
		Present	Proposed	Change	
0	0.57%	\$7.87	\$9.00	\$1.13	14.36%
50	0.82%	\$12.53	\$13.71	\$1.18	9.42%
100	1.10%	\$17.19	\$18.42	\$1.23	7.16%
150	1.49%	\$21.85	\$23.14	\$1.29	5.90%
200	2.05%	\$26.50	\$27.85	\$1.35	5.09%
300	6.34%	\$35.82	\$37.27	\$1.45	4.05%
400	8.94%	\$45.14	\$46.70	\$1.56	3.46%
500	10.26%	\$54.46	\$56.12	\$1.66	3.05%
600	10.26%	\$63.77	\$65.54	\$1.77	2.78%
700	9.35%	\$74.97	\$76.96	\$1.99	2.65%
800	8.08%	\$86.17	\$88.37	\$2.20	2.55%
900 *	6.76%	\$97.37	\$99.78	\$2.41	2.48%
1,000	5.61%	\$108.57	\$111.19	\$2.62	2.41%
1,100	4.61%	\$119.77	\$122.61	\$2.84	2.37%
1,200	3.78%	\$130.97	\$134.02	\$3.05	2.33%
1,300	3.09%	\$142.17	\$145.43	\$3.26	2.29%
1,400	2.55%	\$153.37	\$156.85	\$3.48	2.27%
1,600	3.88%	\$175.77	\$179.67	\$3.90	2.22%
2,000	4.66%	\$220.57	\$225.32	\$4.75	2.15%
2,500	2.85%	\$276.57	\$282.39	\$5.82	2.10%
3,000	1.36%	\$332.57	\$339.45	\$6.88	2.07%
4,000	1.02%	\$444.56	\$453.58	\$9.02	2.03%
5,000	0.30%	\$556.56	\$567.71	\$11.15	2.00%
>5000	0.26%				

Notes:

\* Average PSE Customer

<sup>1</sup> Includes Rider Schedules 95, 95A, 120, 129, 132, 137, 140, 141, 142 and 194

	Present Price (Net)	Proposed Price (Net)	
Basic 1 Phase	\$ 7.87	\$ 9.00	14.4%
Energy - First 600	\$ 0.093175	\$ 0.094238	1.1%
Energy - Over 600	\$ 0.111997	\$ 0.114129	1.9%

Basic 1 Phase	\$ 7.490000	\$ 9.000000
Energy - First 600	\$ 0.085578	\$ 0.091622
Energy - Over 600	\$ 0.104157	\$ 0.111513

Schedule 95 - PCA	\$ (0.003333)	\$ -
Schedule 95A - Fed Inc Credit	\$ (0.002767)	\$ (0.002767)
Schedule 120 - Conservation	\$ 0.006075	\$ 0.006075
Schedule 129 - Low Income	\$ 0.000913	\$ 0.000913
Schedule 132 - Merger Credit	\$ (0.000366)	\$ (0.000366)
Schedule 137 - REC	\$ -	\$ -
Schedule 140 - Property Tax	\$ 0.003550	\$ 0.003550
Schedule 141 - ERF - Basic Charge	\$ 0.380000	\$ -
Schedule 141 - ERF - First 600 kWh	\$ 0.001114	\$ -
Schedule 141 - ERF - Over 600 kWh	\$ 0.001357	\$ -
Schedule 142 - Decoupling	\$ 0.009204	\$ 0.001201
Schedule 149 - CRM	\$ -	\$ 0.000804
Schedule 194 - BPA Exch Credit	\$ (0.006794)	\$ (0.006794)

Residential Overall: 8.16%

**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 24**

**Secondary Voltage General Service, Demand < 50 kW**

kWh	Monthly Billing <sup>1,2</sup>						Percent Difference		
	Present Price Schedule 24		Proposed Price Schedule 24		Dollar Difference		Percent Difference		
	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	1 Phase	3 Phase	3 Phase
500	\$59	\$74	\$61	\$76	\$2	\$2	3.47%	2.94%	
1,000	\$107	\$123	\$111	\$127	\$4	\$4	3.70%	3.35%	
1,500	\$155	\$171	\$161	\$177	\$6	\$6	3.80%	3.54%	
2,500	\$252	\$268	\$262	\$278	\$10	\$10	3.88%	3.71%	
3,000	\$301	\$316	\$312	\$328	\$12	\$12	3.89%	3.75%	
3,500	\$349	\$365	\$363	\$379	\$14	\$14	3.91%	3.78%	
4,000	\$398	\$413	\$413	\$429	\$16	\$16	3.92%	3.81%	
4,500	\$446	\$462	\$463	\$479	\$18	\$18	3.93%	3.83%	
5,000	\$494	\$510	\$514	\$530	\$19	\$20	3.94%	3.85%	
6,000	\$591	\$607	\$615	\$630	\$23	\$24	3.95%	3.87%	
7,000	\$688	\$704	\$715	\$731	\$27	\$27	3.96%	3.89%	
8,000	\$785	\$801	\$816	\$832	\$31	\$31	3.96%	3.90%	
9,000	\$882	\$897	\$917	\$933	\$35	\$35	3.97%	3.91%	
10,000	\$979	\$994	\$1,017	\$1,033	\$39	\$39	3.97%	3.92%	
11,000	\$1,075	\$1,091	\$1,118	\$1,134	\$43	\$43	3.97%	3.93%	
12,000	\$1,172	\$1,188	\$1,219	\$1,235	\$47	\$47	3.98%	3.94%	
13,000	\$1,269	\$1,285	\$1,320	\$1,335	\$50	\$51	3.98%	3.94%	
14,000	\$1,366	\$1,382	\$1,420	\$1,436	\$54	\$55	3.98%	3.94%	
15,000	\$1,463	\$1,478	\$1,521	\$1,537	\$58	\$58	3.98%	3.95%	
16,000	\$1,560	\$1,575	\$1,622	\$1,638	\$62	\$62	3.98%	3.95%	
17,000	\$1,657	\$1,672	\$1,723	\$1,738	\$66	\$66	3.98%	3.95%	
18,000	\$1,753	\$1,769	\$1,823	\$1,839	\$70	\$70	3.98%	3.96%	
19,000	\$1,850	\$1,866	\$1,924	\$1,940	\$74	\$74	3.98%	3.96%	
20,000	\$1,947	\$1,963	\$2,025	\$2,040	\$78	\$78	3.99%	3.96%	
									Overall: 6.12%

	Net Present Price			Net Proposed Price		
	Single Phase	Three Phase	Three Phase	Single Phase	Three Phase	Three Phase
Basic Charge	\$ 10.16	\$ 25.81	\$ 25.81	\$ 10.25	\$ 26.05	\$ 26.05
Winter kWh	\$ 0.098330	\$ 0.098330	\$ 0.098330	\$ 0.102275	\$ 0.102275	\$ 0.102275
Summer kWh	\$ 0.095189	\$ 0.095189	\$ 0.095189	\$ 0.098985	\$ 0.098985	\$ 0.098985
Average kWh	\$ 0.096845	\$ 0.096845	\$ 0.096845	\$ 0.100721	\$ 0.100721	\$ 0.100721
Basic Charge	\$ 9.660000	\$ 24.550000	\$ 24.550000	\$ 10.25	\$ 26.05	\$ 26.05
Winter kWh	\$ 0.089457	\$ 0.089457	\$ 0.089457	\$ 0.094936	\$ 0.094936	\$ 0.094936
Summer kWh	\$ 0.086359	\$ 0.086359	\$ 0.086359	\$ 0.091646	\$ 0.091646	\$ 0.091646
Average kWh	\$ 0.087993	\$ 0.087993	\$ 0.087993	\$ 0.093382	\$ 0.093382	\$ 0.093382
Schedule 95 - PCA			\$ (0.003074)			\$ -
Schedule 95A - Fed Inc Credit			\$ (0.002122)			\$ (0.002122)
Schedule 120 - Conservation			\$ 0.004641			\$ 0.004641
Schedule 129 - Low Income			\$ 0.000835			\$ 0.000835
Schedule 132 - Merger Credit			\$ (0.000266)			\$ (0.000266)
Schedule 137 - REC			\$ -			\$ -
Schedule 140 - Property Tax			\$ 0.002506			\$ 0.002506
Schedule 141 - ERF - Basic 1 Phase			\$ 0.50			\$ -
Schedule 141 - ERF - Basic 3 Phase			\$ 1.26			\$ -
Schedule 141 - ERF - Winter			\$ 0.001197			\$ -
Schedule 141 - ERF - Summer			\$ 0.001154			\$ -
Schedule 142 - Decoupling			\$ 0.005156			\$ 0.005156
Schedule 149 - CRM			\$ -			\$ 0.000410

Notes:  
<sup>1</sup> Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142  
<sup>2</sup> Average Non-Seasonal Energy Rate

**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 25**

**Secondary Voltage General Service, Small Demand Between 50 & 350 kW**

kW Load Size/ Demand	kWh per kW (Equiv Hours)	kWh	Monthly Billing <sup>1,2</sup>		Percent Difference
			Present Schedule 25	Proposed Schedule 25	
50	300	15,000	\$1,468	\$1,519	3.5%
50	500	25,000	\$2,302	\$2,381	3.5%
50	700	35,000	\$3,026	\$3,129	3.4%
100	300	30,000	\$3,041	\$3,155	3.7%
100	500	50,000	\$4,489	\$4,651	3.6%
100	700	70,000	\$5,938	\$6,146	3.5%
150	300	45,000	\$4,504	\$4,676	3.8%
150	500	75,000	\$6,677	\$6,920	3.6%
150	700	105,000	\$8,849	\$9,163	3.6%
200	300	60,000	\$5,967	\$6,197	3.9%
200	500	100,000	\$8,864	\$9,189	3.7%
200	700	140,000	\$11,761	\$12,181	3.6%
250	300	75,000	\$7,431	\$7,719	3.9%
250	500	125,000	\$11,051	\$11,458	3.7%
250	700	175,000	\$14,672	\$15,198	3.6%
300	300	90,000	\$8,894	\$9,240	3.9%
300	500	150,000	\$13,239	\$13,727	3.7%
300	700	210,000	\$17,584	\$18,215	3.6%
350	300	105,000	\$10,357	\$10,761	3.9%
350	500	175,000	\$15,426	\$15,997	3.7%
350	700	245,000	\$20,495	\$21,232	3.6%

**Notes:**

<sup>1</sup>Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142  
<sup>2</sup> Average Non-Seasonal Energy and Demand Rates

Net Present Price		Net Proposed Price	
Basic Charge	\$	54.27	\$ 54.83
Winter kWh - First 20,000	\$	0.098330	Winter kWh - First 20,000 \$ 0.101864
Summer kWh - First 20,000	\$	0.090043	Summer kWh - First 20,000 \$ 0.093210
Average kWh - First 20,000	\$	0.094271	Average kWh - First 20,000 \$ 0.097626
kWh - All Over 20,000	\$	0.072416	kWh - All Over 20,000 \$ 0.074789
kW - First 50	\$	-	kW - First 50 \$ -
Winter kW - Over 50	\$	9.02	Winter kW - Over 50 \$ 9.56
Summer kW - Over 50	\$	6.02	Summer kW - Over 50 \$ 6.38
Average kW - Over 50	\$	7.54	Average kW - Over 50 \$ 7.99
kVarh	\$	0.00283	kVarh \$ 0.00300

Basic Charge	\$	51.670000	\$54.830000
Winter kWh - First 20,000	\$	0.089583	\$ 0.095070
Summer kWh - First 20,000	\$	0.081430	\$ 0.086416
Average kWh - First 20,000	\$	0.085591	\$ 0.090832
kWh - All Over 20,000	\$	0.064072	\$ 0.067995
kW - First 50	\$	-	\$ -
Winter kW - Over 50	\$	9.010000	\$ 9.560000
Summer kW - Over 50	\$	6.010000	\$ 6.380000
Average kW - Over 50	\$	7.530000	\$ 7.990000
kVarh	\$	0.002830	\$ 0.003000

Schedule 95 - PCA	\$	(0.003063)	\$ -
Schedule 95A - Fed Inc Credit	\$	(0.002058)	\$ (0.002058)
Schedule 120 - Conservation	\$	0.004499	\$ 0.004499
Schedule 129 - Low Income	\$	0.000777	\$ 0.000777
Schedule 132 - Merger Credit	\$	(0.000240)	\$ (0.000240)
Schedule 137 - REC	\$	-	\$ -
Schedule 140 - Property Tax	\$	0.002282	\$ 0.002282
Schedule 141 - ERF - Basic	\$	2.600000	\$ -
Schedule 141 - ERF - Demand	\$	0.010000	\$ -
Schedule 141 - ERF - Winter kWh First 20,000	\$	0.001394	\$ -
Schedule 141 - ERF - Summer kWh First 20,000	\$	0.001260	\$ -
Schedule 141 - ERF - kWh Over 20,000	\$	0.000991	\$ -
Schedule 142 - Decoupling	\$	0.005156	\$ 0.001335
Schedule 149 - CRM	\$	-	\$ 0.000199

Overall: 6.12%

**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 26**

**Secondary Voltage General Service, Large Demand Over 350 kW**

kW Load Size/ Demand	kWh per kW (Equiv Hours)	Monthly Billing <sup>1,2</sup>		Percent Difference
		Present Schedule 26	Proposed Schedule 26	
350	300 105,000	\$10,225	\$10,534	3.0%
350	500 175,000	\$14,346	\$15,107	5.3%
350	700 245,000	\$18,467	\$19,681	6.6%
400	300 120,000	\$11,670	\$12,023	3.0%
400	500 200,000	\$16,380	\$17,250	5.3%
400	700 280,000	\$21,089	\$22,477	6.6%
500	300 150,000	\$14,560	\$15,001	3.0%
500	500 250,000	\$20,447	\$21,535	5.3%
500	700 350,000	\$26,334	\$28,068	6.6%
600	300 180,000	\$17,450	\$17,979	3.0%
600	500 300,000	\$24,514	\$25,819	5.3%
600	700 420,000	\$31,578	\$33,660	6.6%
700	300 210,000	\$20,340	\$20,957	3.0%
700	500 350,000	\$28,582	\$30,104	5.3%
700	700 490,000	\$36,823	\$39,251	6.6%
800	300 240,000	\$23,230	\$23,935	3.0%
800	500 400,000	\$32,649	\$34,389	5.3%
800	700 560,000	\$42,067	\$44,842	6.6%
1000	300 300,000	\$29,010	\$29,891	3.0%
1000	500 500,000	\$40,783	\$42,958	5.3%
1000	700 700,000	\$52,557	\$56,025	6.6%

Notes:

<sup>1</sup> Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142

<sup>2</sup> Average Non-Seasonal Energy and Demand Rates

	Net Present Price	Net Proposed Price
Basic Charge	\$ 110.46	Basic Charge \$ 110.86
kWh - All	\$ 0.058866	kWh - All \$ 0.065335
Winter kW	\$ 13.31	Winter kW \$ 12.31
Summer kW	\$ 9.26	Summer kW \$ 8.16
Average kW	\$ 11.24	Average kW \$ 10.18
kVarh	\$ 0.00127	kVarh \$ 0.00132

Basic Charge	\$ 104.460000	\$ 110.860000
kWh - All	\$ 0.056733	\$ 0.059950
Winter kW	\$ 11.650000	\$ 12.480000
Summer kW	\$ 7.760000	\$ 8.330000
Average kW	\$ 9.660000	\$ 10.350000
kVarh	\$ 0.001240	\$ 0.001320
Schedule 95 - PCA	\$ (0.003159)	\$ -
Schedule 95A - Fed Inc Credit	\$ (0.002180)	\$ (0.002180)
Schedule 120 - Conservation	\$ 0.004800	\$ 0.004800
Schedule 129 - Low Income	\$ 0.000710	\$ 0.000710
Schedule 132 - Merger Credit	\$ (0.000209)	\$ (0.000209)
Schedule 137 - REC	\$ -	\$ -
Schedule 140 - Property Tax	\$ 0.002171	\$ 0.002171
Schedule 141 - ERF - Basic	\$ 6.00	\$ -
Schedule 141 - ERF - Demand Winter	\$ 0.49	\$ -
Schedule 141 - ERF - Demand Summer	\$ 0.33	\$ -
Schedule 141 - ERF - Reactive Power	\$ 0.00003	\$ -
Schedule 142 - Decoupling kW	\$ 1.17	\$ (0.17)
Schedule 149 - CRM	\$ -	\$ 0.000093

Overall: 6.12%

**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 29  
Secondary Voltage Irrigation & Pumping Service**

kW Load Size/ Demand	kWh per kW (Equiv. Hours)	kWh	Monthly Billing <sup>1,2</sup>		% Change
			Present Schedule 29	Proposed Schedule 29	
<b>Single Phase</b>					
25	200	5,000	\$348	\$358	2.87%
25	300	7,500	\$533	\$533	2.90%
25	500	12,500	\$856	\$881	2.92%
50	200	10,000	\$687	\$707	2.91%
50	300	15,000	\$1,025	\$1,055	2.93%
50	500	25,000	\$1,641	\$1,689	2.93%
75	200	10,000	\$836	\$865	3.47%
75	300	15,000	\$1,174	\$1,213	3.32%
75	500	25,000	\$1,790	\$1,847	3.18%
<b>Three Phase</b>					
100	200	20,000	\$1,677	\$1,736	3.52%
100	300	30,000	\$2,232	\$2,306	3.32%
100	500	50,000	\$3,342	\$3,446	3.11%
150	200	30,000	\$2,530	\$2,622	3.64%
150	300	45,000	\$3,363	\$3,477	3.39%
150	500	75,000	\$5,028	\$5,188	3.18%
200	200	40,000	\$3,383	\$3,509	3.72%
200	300	60,000	\$4,494	\$4,649	3.45%
200	500	100,000	\$6,714	\$6,929	3.20%
300	200	60,000	\$5,090	\$5,282	3.77%
300	300	90,000	\$6,755	\$6,992	3.51%
300	500	150,000	\$10,086	\$10,413	3.24%

Notes:  
<sup>1</sup>Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141, 142 and 194  
<sup>2</sup>Average Non-Seasonal Energy and Demand Rates

Net Present Price		Net Proposed Price	
Basic Charge (1 Phase)	\$ 10.04	Basic Charge (1 Phase)	\$ 10.15
Basic Charge (3 Phase)	\$ 25.50	Basic Charge (3 Phase)	\$ 25.77
Winter kWh - First 20,000	\$ 0.091600	Winter kWh - First 20,000	\$ 0.094855
Summer kWh - First 20,000	\$ 0.063696	Summer kWh - First 20,000	\$ 0.065664
Average kWh	\$ 0.067666	Average kWh	\$ 0.069667
Winter kWh - Over 20,000	\$ 0.069742	Winter kWh - Over 20,000	\$ 0.071989
Summer kWh - Over 20,000	\$ 0.054681	Summer kWh - Over 20,000	\$ 0.056233
kWh - All Over 20,000	\$ 0.055519	kWh - All Over 20,000	\$ 0.057009
kW - First 50	\$ -	kW - First 50	\$ -
Winter kW - Over 50	\$ 8.83	Winter kW - Over 50	\$ 9.37
Summer kW - Over 50	\$ 4.35	Summer kW - Over 50	\$ 4.62
Average kW - Over 50	\$ 5.96	Average kW - Over 50	\$ 6.33
kVarh	\$ 0.00281	kVarh	\$ 0.00298
<hr/>			
Basic Charge (1 Phase)	\$ 9.560000		\$ 10.150000
Basic Charge (3 Phase)	\$ 24.280000		\$ 25.770000
Winter kWh - First 20,000	\$ 0.089583		\$ 0.095068
Summer kWh - First 20,000	\$ 0.062076		\$ 0.065877
Average kWh	\$ 0.065848		\$ 0.069880
Winter kWh - Over 20,000	\$ 0.068036		\$ 0.072202
Summer kWh - Over 20,000	\$ 0.053189		\$ 0.056446
kWh - All Over 20,000	\$ 0.053920		\$ 0.057222
kW - First 50	\$ -		\$ -
Winter kW - Over 50	\$ 8.830000		\$ 9.370000
Summer kW - Over 50	\$ 4.350000		\$ 4.620000
Average kW - Over 50	\$ 5.960000		\$ 6.330000
kVarh	\$ 0.002810		\$ 0.002980
<hr/>			
Schedule 95 - PCA	\$ (0.002883)		\$ -
Schedule 95A - Fed Inc Credit	\$ (0.002083)		\$ (0.002083)
Schedule 120 - Conservation	\$ 0.004580		\$ 0.004580
Schedule 129 - Low Income	\$ 0.000707		\$ 0.000707
Schedule 132 - Merger Credit	\$ (0.000240)		\$ (0.000240)
Schedule 137 - REC	\$ -		\$ -
Schedule 140 - Property Tax	\$ 0.002282		\$ 0.002282
Schedule 141 - ERF - Basic 1 Phase	\$ 0.48		\$ -
Schedule 141 - ERF - Basic 3 phase	\$ 1.22		\$ -
Schedule 141 - ERF - Winter kWh First 20,000	\$ 0.001291		\$ -
Schedule 141 - ERF - Summer kWh First 20,000	\$ 0.000894		\$ -
Schedule 141 - ERF - Winter kWh Over 20,000	\$ 0.000980		\$ -
Schedule 141 - ERF - Summer kWh Over 20,000	\$ 0.000766		\$ -
Schedule 142 - Decoupling	\$ 0.005156		\$ 0.001335
Schedule 149 - CRM	\$ -		\$ -
Schedule 194 - BPA Exchange Credit	\$ (0.006794)		\$ (0.006794)
		Overall:	6.13%



**Puget Sound Energy  
Monthly Billing Comparison  
Schedule 31  
Primary Voltage General Service**

kW Load Size/ Demand	kWh per kW (Equiv Hours)	kWh	Monthly Billing <sup>1,2</sup>		Percent Difference
			Present Schedule 31	Proposed Schedule 31	
350	300	105,000	\$10,116	\$10,433	3.1%
350	500	175,000	\$14,078	\$14,834	5.4%
350	700	245,000	\$18,041	\$19,234	6.6%
400	300	120,000	\$11,510	\$11,872	3.1%
400	500	200,000	\$16,038	\$16,901	5.4%
400	700	280,000	\$20,567	\$21,931	6.6%
500	300	150,000	\$14,298	\$14,750	3.2%
500	500	250,000	\$19,959	\$21,037	5.4%
500	700	350,000	\$25,619	\$27,323	6.7%
600	300	180,000	\$17,086	\$17,628	3.2%
600	500	300,000	\$23,879	\$25,172	5.4%
600	700	420,000	\$30,672	\$32,716	6.7%
700	300	210,000	\$19,874	\$20,506	3.2%
700	500	350,000	\$27,799	\$29,307	5.4%
700	700	490,000	\$35,724	\$38,108	6.7%
800	300	240,000	\$22,663	\$23,384	3.2%
800	500	400,000	\$31,720	\$33,443	5.4%
800	700	560,000	\$40,777	\$43,501	6.7%
1000	300	300,000	\$28,239	\$29,140	3.2%
1000	500	500,000	\$39,560	\$41,713	5.4%
1000	700	700,000	\$50,882	\$54,286	6.7%

**Notes:**

<sup>1</sup>Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142

<sup>2</sup> Average Non-Seasonal Energy and Demand Rates

	Net Present Price	Net Proposed Price
Basic Charge	\$ 356.91	Basic Charge \$ 360.30
kWh - All	\$ 0.056607	kWh - All \$ 0.062866
Winter kW	\$ 12.90	Winter kW \$ 11.97
Summer kW	\$ 8.98	Summer kW \$ 7.97
Average kW	\$ 10.90	Average kW \$ 9.92
kVarh	\$ 0.00109	kVarh \$ 0.00112

Basic Charge	\$ 339.510000	\$ 360.30
kWh - All	\$ 0.054347	0.057683
Winter kW	\$ 11.320000	\$ 12.01
Summer kW	\$ 7.550000	\$ 8.01
Average kW	\$ 9.390000	9.96
kVarh	\$ 0.001060	0.00112
Schedule 95 - PCA	\$ (0.002861)	\$ -
Schedule 95A - Fed Inc Credit	\$ (0.002065)	\$ (0.002065)
Schedule 120 - Conservation	\$ 0.004552	\$ 0.004552
Schedule 129 - Low Income	\$ 0.000705	\$ 0.000705
Schedule 132 - Merger Credit	\$ (0.000234)	\$ (0.000234)
Schedule 137 - REC	\$ -	\$ -
Schedule 140 - Property Tax	\$ 0.002163	\$ 0.002163
Schedule 141 - ERF - Basic	\$ 17.40	\$ -
Schedule 141 - ERF - Demand Winter	\$ 0.45	\$ -
Schedule 141 - ERF - Demand Summer	\$ 0.30	\$ -
Schedule 141 - ERF - Reactive Power	\$ 0.00003	\$ -
Schedule 142 - Decoupling kW	\$ 1.13	\$ (0.04)
Schedule 149 - CRM	\$ -	\$ 0.000062

Overall: 6.12%

**Puget Sound Energy**  
**Monthly Billing Comparison**  
**Schedule 46 - Interruptible Service - High Voltage**

kVa Load Size/ Demand	kWh per kVa (Equiv Hours)	kWh	Monthly Billing <sup>1</sup>		Percent Difference	Net Present Price	Net Proposed Price
			Present Price Schedule 46	Proposed Price Schedule 46			
1,000	300	300,000	\$27,447	\$27,993	1.99%	\$ 2.09	\$ 2.22
	500	500,000	\$39,614	\$40,525	2.30%	\$ 0.060836	\$ 0.062658
	700	700,000	\$51,781	\$53,057	2.46%		
2,000	300	600,000	\$45,698	\$46,791	2.39%	\$ 2.09	\$ 2.22
	500	1,000,000	\$70,032	\$71,854	2.60%	0.054413	0.057735
	700	1,400,000	\$94,367	\$96,917	2.70%		
4,000	300	1,200,000	\$82,199	\$84,386	2.66%	\$ (0.002677)	\$ -
	500	2,000,000	\$130,868	\$134,512	2.78%	\$ (0.001316)	\$ (0.001316)
	700	2,800,000	\$179,537	\$184,638	2.84%	\$ 0.002917	\$ 0.002917
6,000	300	1,800,000	\$122,045	\$126,104	3.33%	\$ 0.000610	\$ 0.000610
	500	3,000,000	\$195,048	\$201,294	3.20%	\$ (0.000085)	\$ (0.000085)
	700	4,200,000	\$268,052	\$276,484	3.15%	\$ -	\$ -
8,000	300	2,400,000	\$162,727	\$168,139	3.33%	\$ 0.001462	\$ 0.001462
	500	4,000,000	\$260,064	\$268,392	3.20%	\$ 0.000356	\$ 0.000356
	700	5,600,000	\$357,402	\$368,645	3.15%	\$ 0.005156	\$ 0.005156
10,000	300	3,000,000	\$203,408	\$210,174	3.33%		
	500	5,000,000	\$325,081	\$335,490	3.20%		
	700	7,000,000	\$446,753	\$460,806	3.15%		
					Schedule 46 Overall: 6.12%		

Notes:  
<sup>1</sup>Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142

**Puget Sound Energy**  
**Monthly Billing Comparison**  
**Schedule 49 - Large General Service -High Voltage**

kVa	Load Size/ Demand	kWh per kVa (Equiv Hours)	kWh	Monthly Billing <sup>1</sup>		Percent Difference	Net Present Price	Net Proposed Price
				Present Price Schedule 49	Proposed Price Schedule 49			
1,000	300	300,000	\$35,072	\$35,515	1.26%	\$	\$ 3.70	\$ 3.93
	500	500,000	\$47,600	\$48,339	1.55%	\$	0.062640	\$ 0.064117
	700	700,000	\$60,128	\$61,162	1.72%			
2,000	300	600,000	\$53,864	\$54,750	1.64%	\$	3.70	\$ 3.93
	500	1,000,000	\$78,920	\$80,397	1.87%		0.054413	0.057735
	700	1,400,000	\$103,975	\$106,044	1.99%			
4,000	300	1,200,000	\$91,448	\$93,220	1.94%		(0.002332)	-
	500	2,000,000	\$141,559	\$144,514	2.09%		(0.001316)	(0.001316)
	700	2,800,000	\$191,671	\$195,808	2.16%		0.004426	0.004426
6,000	300	1,800,000	\$134,951	\$138,991	2.99%		0.000560	0.000560
	500	3,000,000	\$210,119	\$215,931	2.77%		(0.000085)	(0.000085)
	700	4,200,000	\$285,286	\$292,871	2.66%		-	-
8,000	300	2,400,000	\$179,935	\$185,321	2.99%		0.001462	0.001462
	500	4,000,000	\$280,159	\$287,908	2.77%		0.000356	-
	700	5,600,000	\$380,382	\$390,495	2.66%		0.005156	0.001335
10,000	300	3,000,000	\$224,919	\$231,651	2.99%			
	500	5,000,000	\$350,198	\$359,885	2.77%			
	700	7,000,000	\$475,477	\$488,119	2.66%			
Schedule 49 Overall:							6.12%	

Notes:  
<sup>1</sup> Includes Rider Schedules 95A, 95, 120, 129, 132, 137, 140, 141 and 142