

**EXHIBIT NO. ___ (JAH-12)
DOCKET NO. UG-040640/UE-040641
2004 PSE GENERAL RATE CASE
WITNESS: JAMES A. HEIDELL**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY, INC.,

Respondent.

**Docket No. UE-040641
Docket No. UG-040640**

**TENTH EXHIBIT TO PREFILED DIRECT TESTIMONY
OF JAMES A. HEIDELL (NONCONFIDENTIAL)
ON BEHALF OF PUGET SOUND ENERGY, INC.**

JUNE 2, 2004

Puget Sound Energy
Proforma and Proposed Revenue
Twelve Months ended September 30, 2003
Summary

Voltage Level	Schedule	kWh	Proforma Revenue	Proposed Revenue	\$ Increase	Increase as Allocated by Rate Spread	Rounding Differences	% Increase
Residential								
Residential	7	9,756,700,657	\$ 764,791,848	\$ 821,393,084	\$ 56,601,236	\$ 56,601,432	\$ 196	7.4%
Total Residential		9,756,700,657	\$ 764,791,848	\$ 821,393,084	\$ 56,601,236	\$ 56,601,432	\$ 196	7.4%
Secondary Voltage								
Demand <= 50 kW	24	2,383,338,106	\$ 173,750,827	\$ 180,404,236	\$ 6,653,409	\$ 6,654,048	\$ 638	3.8%
Demand > 50 kW but <= 350 kW	25	2,848,998,293	\$ 203,290,657	\$ 209,152,354	\$ 5,861,697	\$ 5,862,208	\$ 510	2.9%
Demand > 350 kW	26	1,886,822,194	\$ 119,831,706	\$ 122,279,923	\$ 2,448,217	\$ 2,447,826	\$ (391)	2.0%
Seasonal Irrigation & Drainage Pumping	29	15,065,067	\$ 914,702	\$ 941,084	\$ 26,383	\$ 26,377	\$ (6)	2.9%
Total Secondary Voltage		7,134,223,660	\$ 497,787,891	\$ 512,777,598	\$ 14,989,707	\$ 14,990,458	\$ 751	3.0%
Primary Voltage								
General Service	31	1,657,531,591	\$ 96,838,452	\$ 102,422,132	\$ 5,583,680	\$ 5,584,314	\$ 633	5.8%
Seasonal Irrigation & Drainage Pumping	35	4,966,200	\$ 199,990	\$ 211,522	\$ 11,532	\$ 11,533	\$ 1	5.8%
Interruptible Total Electric Schools	43	189,692,765	\$ 11,991,713	\$ 13,029,199	\$ 1,037,486	\$ 1,037,400	\$ (86)	8.7%
Total Primary Voltage		1,852,190,556	\$ 109,030,154	\$ 115,662,853	\$ 6,632,698	\$ 6,633,246	\$ 548	6.1%
High Voltage								
Interruptible	46	51,109,000	\$ 2,226,036	\$ 2,463,768	\$ 237,732			10.7%
General Service	49	424,545,212	\$ 19,982,500	\$ 21,665,822	\$ 1,683,322			8.4%
Total High Voltage		475,654,212	\$ 22,208,537	\$ 24,129,590	\$ 1,921,053	\$ 1,921,255	\$ 202	8.7%
Lighting								
	50-59	82,428,542	\$ 12,888,320	\$ 14,003,275	\$ 1,114,954	\$ 1,114,965	\$ 11	8.7%
Total Retail Sales to Customers		19,301,197,628	\$ 1,406,706,751	\$ 1,487,966,399	\$ 81,259,649	\$ 81,261,357	\$ 1,708	5.8%
Small Firm Resale								
Special Contract	005	7,678,078	\$ 457,443	\$ 497,016				
	001	128,379,640	\$ 1,339,667	\$ 1,455,561				
Total Firm Resale		136,057,718	\$ 1,797,109	\$ 1,952,577	\$ 155,467	\$ 155,467	\$ -	8.7%
Transportation Sales								
	449	1,687,987,484	\$ 5,384,368	\$ 5,536,279	\$ 151,911			2.8%
	459	357,930,997	\$ 994,647	\$ 1,025,761	\$ 31,115			3.1%
Total Transportation Sales		2,045,918,481	\$ 6,379,015	\$ 6,562,040	\$ 183,025	\$ 183,949	\$ 924	2.9%
Total Sales to Customers		21,483,173,826	\$ 1,414,882,875	\$ 1,496,481,016	\$ 81,598,142	\$ 81,600,773	\$ 2,632	5.8%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Residential
 Schedule 7

	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005				
			Charge	Revenue	Charge	Revenue	\$	%	
Basic Charge - 1 Phase	10,495,072	10,495,072	\$ 5.50	\$ 57,722,896	\$ 6.50	\$ 68,217,968	\$ 10,495,072	18.2%	
Basic Charge - 3 Phase	3,216	3,216	\$ 13.60	\$ 43,744	\$ 16.10	\$ 51,785	\$ 8,041	18.4%	
Total Basic Charge	10,498,289	10,498,289		\$ 57,766,640		\$ 68,269,753	\$ 10,503,113	18.2%	
First 600 kWh	5,357,297,988	5,357,297,988	\$ 0.062727	\$ 336,047,231	\$ 0.073499	\$ 393,756,045	\$ 57,708,814	17.2%	
Next 200 kWh	943,012,109	943,012,109	\$ 0.079144	\$ 74,633,750	\$ 0.073499	\$ 69,310,447	\$ (5,323,303)	-7.1%	
All Over 800 kWh	3,369,509,320	86,881,239	3,456,390,560	\$ 0.079144	\$ 273,552,574	\$ 0.083919	\$ 290,056,839	\$ 16,504,265	6.0%
Total kWh	9,669,819,418	86,881,239	9,756,700,657		\$ 684,233,556		\$ 753,123,331	\$ 68,889,775	10.1%
Schedule 95		<u>9,756,700,657</u>	\$ 0.002336	<u>\$ 22,791,653</u>	\$ -	<u>\$ -</u>	<u>\$ (22,791,653)</u>	<u>-100.0%</u>	
Total Revenue				<u><u>\$ 764,791,848</u></u>		<u><u>\$ 821,393,084</u></u>	<u><u>\$ 56,601,236</u></u>	<u><u>7.4%</u></u>	

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Demand 50 kW or less
 Schedule 24

	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005		\$	%	
			Charge	Revenue	Charge	Revenue			
Basic Charge - 1 Phase	954,004	954,004	\$ 5.50	\$ 5,247,023	\$6.50	\$ 6,201,027	\$ 954,004	18.2%	
Basic Charge - 3 Phase	351,859	351,859	\$ 13.60	\$ 4,785,281	\$16.10	\$ 5,664,929	\$ 879,647	18.4%	
Total Basic Charge	1,305,863	1,305,863		\$ 10,032,305		\$ 11,865,956	\$ 1,833,652	18.3%	
Winter Energy	1,257,189,864	8,390,946	1,265,580,810	\$ 0.067545	\$ 85,483,656	\$ 0.072004	\$ 91,126,881	\$ 5,643,225	6.6%
Summer Energy	1,125,586,300	(7,829,005)	1,117,757,296	\$ 0.064967	\$ 72,617,338	\$ 0.069256	\$ 77,411,399	\$ 4,794,061	6.6%
Total kWh	2,382,776,165	561,942	2,383,338,106		\$ 158,100,994		\$ 168,538,280	\$ 10,437,286	6.6%
Schedule 95		<u>2,383,338,106</u>	\$ 0.002357	<u>\$ 5,617,528</u>	\$ -	<u>\$ -</u>	<u>\$ (5,617,528)</u>	<u>-100.0%</u>	
Total Revenue Schedule 24				<u><u>\$ 173,750,827</u></u>		<u><u>\$ 180,404,236</u></u>	<u><u>\$ 6,653,409</u></u>	<u><u>3.8%</u></u>	

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Demand Greater than 50 kW but less than or equal to 350 kW
 Schedule 25

	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005			
			Charge	Revenue	Charge	Revenue	\$	%
Total Basic Charge	87,940	87,940	\$ 24.90	\$ 2,189,703	\$33.50	\$ 2,945,986	\$ 756,283	34.5%
Winter - First 20,000 kWh	725,287,983	725,287,983	\$ 0.069616	\$ 50,491,648	\$ 0.073746	\$ 53,487,088	\$ 2,995,439	5.9%
Summer- First 20,000 kWh	718,403,628	718,403,628	\$ 0.062652	\$ 45,009,424	\$ 0.066609	\$ 47,852,147	\$ 2,842,723	6.3%
All Over 20,000 kWh	1,408,084,336	(2,777,653) 1,405,306,683	\$ 0.052260	\$ 73,441,327	\$ 0.055958	\$ 78,638,151	\$ 5,196,824	7.1%
Total kWh Energy	2,851,775,946	(2,777,653) 2,848,998,293		\$ 168,942,400		\$ 179,977,386	\$11,034,987	6.5%
Winter - All Over 50 kW	2,125,411	2,125,411	\$ 6.66	\$ 14,155,237	\$ 6.85	\$ 14,559,065	\$ 403,828	2.9%
Summer- All Over 50 kW	2,162,083	2,162,083	\$ 4.44	\$ 9,599,647	\$ 4.57	\$ 9,880,718	\$ 281,071	2.9%
Total kW Demand	4,287,494	4,287,494		\$ 23,754,884		\$ 24,439,783	\$ 684,899	2.9%
Total kVarh Reactive Power	745,499,708	745,499,708	\$ 0.00233	\$ 1,737,014	\$ 0.00240	\$ 1,789,199	\$ 52,185	3.0%
Schedule 95		2,848,998,293	\$ 0.002340	\$ 6,666,656	\$ -	\$ -	\$ (6,666,656)	-100.0%
Total Revenue				\$ 203,290,657		\$ 209,152,354	\$ 5,861,697	2.9%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Demand Greater than 350 kW
 Schedule 26

	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005		\$	%	
			Charge	Revenue	Charge	Revenue			
Total Basic Charge	8,699	8,699	\$ 29.10	\$ 253,134	\$79.00	\$ 687,203	\$ 434,069	171.5%	
Total kWh Energy	1,890,378,962	(3,556,768)	1,886,822,194	\$ 0.047320	\$ 89,284,426	\$ 0.050448	\$ 95,186,406	\$ 5,901,980	6.6%
Winter - All kW	2,134,140	2,134,140	\$ 6.92	\$ 14,768,248	\$ 6.98	\$ 14,896,296	\$ 128,048	0.9%	
Summer- All kW	2,253,129	2,253,129	\$ 4.60	\$ 10,364,394	\$ 4.64	\$ 10,454,519	\$ 90,125	0.9%	
Total kW Demand	4,387,269	4,387,269		\$ 25,132,641		\$ 25,350,815	\$ 218,174	0.9%	
Total kVarh Reactive Power	934,070,048	934,070,048	\$ 0.00110	\$ 1,027,477	\$ 0.00113	\$ 1,055,499	\$ 28,022	2.7%	
Schedule 95		1,886,822,194	\$ 0.002191	\$ 4,134,027	\$ -	\$ -	\$ (4,134,027)	-100.0%	
Total Revenue				\$ 119,831,706		\$ 122,279,923	\$ 2,448,217	2.0%	

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Seasonal Irrigation & Drainage Pumping Service
 Schedule 29

	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005			
			Charge	Revenue	Charge	Revenue	\$	%
Basic Charge - 1 Phase	2,192	2,192	\$ 5.50	\$ 12,056	\$6.50	\$ 14,248	\$ 2,192	18.2%
Basic Charge - 3 Phase	5,088	5,088	\$ 18.10	\$ 92,085	\$21.40	\$ 108,874	\$ 16,789	18.2%
Total Basic Charge	7,279	7,279		\$ 104,140		\$ 123,121	\$ 18,981	18.2%
Winter - First 20,000 kWh	1,692,451	1,692,451	\$ 0.069616	\$ 117,822	\$0.073746	\$ 124,811	\$ 6,990	5.9%
Winter - All Over 20,000 kWh	66,057	151,247	\$ 0.054357	\$ 11,812	\$0.055958	\$ 12,160	\$ 348	2.9%
Summer- First 20,000 kWh	12,111,557	12,111,557	\$ 0.047359	\$ 573,591	\$0.049057	\$ 594,157	\$ 20,565	3.6%
Summer- All Over 20,000 kWh	853,168	190,587	\$ 0.041171	\$ 42,972	\$0.042358	\$ 44,211	\$ 1,239	2.9%
Total kWh Energy	14,723,233	341,834 15,065,067		\$ 746,197		\$ 775,339	\$ 29,142	3.9%
Winter - All Over 50 kW	2,025	2,025	\$ 6.66	\$ 13,487	\$ 6.85	\$ 13,872	\$ 385	2.9%
Summer- All Over 50 kW	8,219	8,219	\$ 3.28	\$ 26,957	\$ 3.38	\$ 27,779	\$ 822	3.0%
Total kW Demand	10,244	10,244		\$ 40,445		\$ 41,651	\$ 1,207	3.0%
Total kVarh Reactive Power	393,796	393,796	\$ 0.00240	\$ 945	\$ 0.00247	\$ 973	\$ 28	2.9%
Schedule 95		<u>15,065,067</u>	\$ 0.001525	\$ 22,974	\$ -	\$ -	\$(22,974)	-100.0%
Total Revenue				<u>\$ 914,702</u>		<u>\$ 941,084</u>	<u>\$ 26,383</u>	<u>2.9%</u>

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage General Service
 Schedule 31

	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03		Rates Effective 2005			
			Charge	Revenue	Charge	Revenue	\$	%
Total Basic Charge	6,078	6,078	\$ 200.00	\$ 1,215,506	\$ 200.00	\$ 1,215,506	\$ -	0.0%
Total kWh Energy	1,661,414,453	(3,882,862) 1,657,531,591	\$ 0.042540	\$ 70,511,394	\$ 0.047726	\$ 79,107,353	\$ 8,595,959	12.2%
Winter - All kW	1,927,229	1,927,229	\$ 6.41	\$ 12,353,538	\$ 6.50	\$ 12,526,989	\$ 173,451	1.4%
Summer- All kW	2,019,586	2,019,586	\$ 4.27	\$ 8,623,631	\$ 4.33	\$ 8,744,806	\$ 121,175	1.4%
Total kW Demand	3,946,815	3,946,815		\$ 20,977,169		\$ 21,271,794	\$ 294,626	1.4%
Total kVarh Reactive Power	919,421,179	919,421,179	\$ 0.00081	\$ 744,731	\$ 0.00090	\$ 827,479	\$ 82,748	11.1%
Schedule 95		1,657,531,591	\$ 0.002045	\$ 3,389,652	\$ -	\$ -	\$ (3,389,652)	-100.0%
Total Revenue				\$ 96,838,452		\$ 102,422,132	\$ 5,583,680	5.8%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage Seasonal Irrigation & Drainage Pumping Service
 Schedule 35

	Bill Determinants	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences	
		Charge	Revenue	Charge	Revenue	\$	%
Total Basic Charge	12	\$ 200.00	\$ 2,400	\$ 200.00	\$ 2,400	\$ -	0.0%
Total kWh Energy	4,966,200	0.033147	\$ 164,615	0.037090	\$ 184,196	\$ 19,582	11.9%
Winter - All kW	1,065	\$ 3.33	\$ 3,546	\$ 3.57	\$ 3,801	\$ 256	7.2%
Summer- All kW	8,009	\$ 2.22	\$ 17,780	\$ 2.38	\$ 19,061	\$ 1,281	7.2%
Total kW Demand	9,074		\$ 21,326		\$ 22,863	\$ 1,537	7.2%
Total kVarh Reactive Power	2,344,205	\$ 0.00083	\$ 1,946	\$ 0.00088	\$ 2,063	\$ 117	6.0%
Schedule 95	4,966,200	\$ 0.00195	\$ 9,704	\$ -	\$ -	\$ (9,704)	-100.0%
Total Revenue			\$ 199,990		\$ 211,522	\$ 11,532	5.8%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage Interruptible Total Electric School Service
 Schedule 43

	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	Charge	Revenue	Charge	Revenue	\$	%	
Total Basic Charge	2,388	2,388	\$ 200.00	\$ 477,613	\$ 200.00	\$ 477,613	\$ -	0.0%	
Total kWh Energy	175,656,470	14,036,294	189,692,765	\$ 0.040898	\$ 7,758,055	\$ 0.048275	\$ 9,157,418	\$ 1,399,364	18.0%
Total kW Demand	864,945	864,945	\$ 3.63	\$ 3,139,749	\$ 3.68	\$ 3,182,997	\$ 43,247	1.4%	
Total kVarh Reactive Power	82,811,957	82,811,957	\$ 0.00235	\$ 194,608	\$ 0.00255	\$ 211,170	\$ 16,562	8.5%	
Schedule 95		189,692,765	\$ 0.002223	\$ 421,687	\$ -	\$ -	\$ (421,687)	-100.0%	
Total Revenue				\$ 11,991,713		\$ 13,029,199	\$ 1,037,486	8.7%	

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 High Voltage, General Service
 Schedule 49

	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences		
	Charge	Revenue	Charge	Revenue	\$	%	
Total kWh Energy	<u>424,545,212</u>	<u>\$ 0.037259</u>	<u>\$ 15,818,130</u>	<u>\$ 0.043329</u>	<u>\$ 18,395,120</u>	<u>\$ 2,576,989</u>	<u>16.3%</u>
Total kVa Demand	<u>1,172,295</u>	<u>\$ 2.79</u>	<u>\$ 3,270,703</u>	<u>\$ 2.79</u>	<u>\$ 3,270,703</u>	<u>\$ -</u>	<u>0.0%</u>
Schedule 95	<u>424,545,212</u>	<u>\$ 0.002105</u>	<u>\$ 893,668</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (893,668)</u>	<u>-100.0%</u>
Total Revenue		<u>\$ 19,982,500</u>		<u>\$ 21,665,822</u>	<u>\$ 1,683,322</u>	<u>8.4%</u>	

Puget Sound Energy
Lighting Revenues
Proforma & Proposed
Twelve Months ended September 30, 2003

Schedule	kWh	Annual Proforma Revenue	Annual Proposed Revenue	Revenue Change	% Change
03E	7,057	\$ 454	\$ 493	\$ 39	8.7%
50E-A	211,602	\$ 21,014	\$ 22,832	\$ 1,818	8.7%
50E-B	301,836	\$ 24,045	\$ 26,124	\$ 2,079	8.6%
52 O&M	-	\$ 334,444	\$ 363,377	\$ 28,933	8.7%
52E	3,807,497	\$ 323,857	\$ 351,874	\$ 28,017	8.7%
53E	45,792,662	\$ 9,150,748	\$ 9,942,379	\$ 791,631	8.7%
54E	16,064,011	\$ 935,533	\$ 1,016,464	\$ 80,931	8.7%
55E & 56E (No Res Exch)	4,274,893	\$ 967,433	\$ 1,051,126	\$ 83,693	8.7%
57E	10,032,758	\$ 769,086	\$ 835,619	\$ 66,533	8.7%
58E & 59E (No Res Exch)	1,936,225	\$ 312,831	\$ 339,893	\$ 27,062	8.7%
Old Pole Revenue	-	\$ 30,645	\$ 33,296	\$ 2,651	8.7%
New Pole Revenue	-	\$ 18,231	\$ 19,798	\$ 1,567	8.6%
	82,428,542	\$ 12,888,320	\$ 14,003,275	\$ 1,114,954	8.7%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Small Firm Resale

	Bill Determinants			Proforma		Proposed		Differences	
	Temperature Adjustment	Total		Rates Effective 10-1-03		Rates Effective 2005		\$	%
				Charge	Revenue	Charge	Revenue		
Total kWh Energy	7,644,104	33,974	7,678,078	\$ 0.035140	\$ 269,808	\$ 0.035140	\$ 269,808		
Total kW Demand	15,387		15,387	\$ 5.25	\$ 80,782	\$ 5.25	\$ 80,782		
Total kVarh Reactive Power	2,156,640		2,156,640	\$ 0.00025	\$ 539	\$ 0.00025	\$ 539		
Allocation of Docket No. UE-011570 Revenue Increase					\$ 106,314		\$ 106,314		
Allocation of Docket No. UE-040641 Revenue Increase							\$ 39,573		
Total Revenue					\$ 457,443		\$ 497,016	\$ 39,573	8.7%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Transportation
 Schedule 449

	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences	
	Charge	Revenue	Charge	Revenue	\$	%
Primary Voltage:						
kWh	115,803,576					
Customer Charge	24	\$ 709.00	\$ 17,016	\$709.00	\$ 17,016	\$ - 0.0%
Distribution Charge	216,056	\$ 4.00	\$ 864,224	\$ 4.04	\$ 872,866	\$ 8,642 1.0%
Total Primary Voltage Revenue			<u>\$ 881,240</u>		<u>\$ 889,882</u>	<u>\$ 8,642 1.0%</u>
High Voltage:						
kWh	1,572,183,908					
Customer Charge	168	\$ 709.00	\$ 119,112	\$709.00	\$ 119,112	\$ - 0.0%
Distribution Charge	2,865,370	\$ 1.53	\$ 4,384,016	\$ 1.58	\$ 4,527,285	\$ 143,269 3.3%
Total High Voltage Revenue			<u>\$ 4,503,128</u>		<u>\$ 4,646,397</u>	<u>\$ 143,269 3.2%</u>
Total Schedule 449			<u>\$ 5,384,368</u>		<u>\$ 5,536,279</u>	<u>\$ 151,911 2.8%</u>

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Transportation with Back-up Distribution
 Schedule 459

	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences	
	Charge	Revenue	Charge	Revenue	\$	%
High Voltage:						
kWh	357,930,997					
Customer Charge	60	\$ 709.00	\$ 42,540	\$709.00	\$ 42,540	\$ - 0.0%
Back-up Distribution Service	622,292	\$ 1.53	\$ 952,107	\$ 1.58	\$ 983,221	\$ 31,115 3.3%
Total High Voltage Revenue			<u>\$ 994,647</u>		<u>\$ 1,025,761</u>	<u>\$ 31,115 3.1%</u>
Total Schedule 449			<u>\$ 994,647</u>		<u>\$ 1,025,761</u>	<u>\$ 31,115 3.1%</u>

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Transportation Special Contract

	Total	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences	
		Charge	Revenue	Charge	Revenue	\$	%
Total kWh Energy	<u>128,379,640</u>		<u>\$ 909,678</u>		<u>\$ 909,678</u>		
Allocation of Docket No. UE-011570 Revenue Increase			<u>\$ 429,988</u>		<u>\$ 429,988</u>		
Allocation of Docket No. UE-040641 Revenue Increase					<u>\$ 115,894</u>		
Total Revenue			<u>\$ 1,339,667</u>		<u>\$ 1,455,561</u>	<u>\$ 115,894</u>	<u>8.7%</u>

Puget Sound Energy
 Twelve Months ended September 30, 2003
 Summary
 Increase Based on Cost of Service Parity Ratios

Voltage Level	Schedule	Revenue	Proforma	Total Operating	Revenue	% to Total	Parity Cost of	Proforma	Parity	Parity	New Ratio	Proposed
		Required from Rates (COS, TMP2, Line 11)	Tariffed Revenue Effective 6-30-01	Revenue (COS, TMP2, Line 7)	Required from Rates	COS Costs	Service at Proposed Revenues	Revenue % to Total	Difference	Movement	Sales of Electricity to Revenue Requirement	Revenue
		A	B	C	D = A - (C - B)	E = D / Sum(D)	F = E * Proposed Revenue	G = B / Sum(B)	H = G - E	I = H * Parity Movement	J = G - I	K = J * Proposed Revenue
Total Residential	7	\$ 846,842,984	\$ 764,791,848	\$ 798,471,927	\$ 813,162,906	0.564640	\$ 844,973,967	0.540534	(0.024106)	(0.012053)	0.552587	\$ 826,936,891
Secondary Voltage												
Demand <= 50 kW	24	\$ 180,038,248	\$ 173,750,827	\$ 181,072,496	\$ 172,716,579	0.119930	\$ 179,473,279	0.122802	0.002872	0.001436	0.121366	\$ 181,622,433
Demand > 50 kW but <= 350 kW	25 / 29	\$ 188,605,877	\$ 204,205,358	\$ 210,386,855	\$ 182,424,380	0.126671	\$ 189,560,850	0.144327	0.017656	0.008828	0.135499	\$ 202,771,689
Demand > 350 kW	26	\$ 117,087,432	\$ 119,831,706	\$ 123,648,256	\$ 113,270,883	0.078652	\$ 117,702,058	0.084694	0.006041	0.003021	0.081673	\$ 122,222,419
Total Secondary Voltage		\$ 485,731,557	\$ 497,787,891	\$ 515,107,606	\$ 468,411,841	0.325253	\$ 486,736,187	0.351823	0.026569	0.013285	0.338538	\$ 506,616,540
Primary Voltage												
General Service	31	\$ 101,568,115	\$ 96,838,452	\$ 100,461,276	\$ 97,945,290	0.068011	\$ 101,776,926	0.068443	0.000432	0.000216	0.068227	\$ 102,100,179
Seasonal Irrigation & Drainage Pumping	35	\$ 323,266	\$ 199,990	\$ 209,052	\$ 314,204	0.000218	\$ 326,496	0.000141	(0.000077)	(0.000038)	0.000180	\$ 269,010
Interruptible Total Electric Schools	43	\$ 14,661,995	\$ 11,991,713	\$ 12,421,758	\$ 14,231,950	0.009882	\$ 14,788,706	0.008475	(0.001407)	(0.000703)	0.009179	\$ 13,736,009
Total Primary Voltage		\$ 116,553,376	\$ 109,030,154	\$ 113,092,086	\$ 112,491,444	0.078111	\$ 116,892,127	0.077059	(0.001052)	(0.000526)	0.077585	\$ 116,105,198
Total High Voltage	46 / 49	\$ 26,192,231	\$ 22,208,537	\$ 23,581,875	\$ 24,818,893	0.017234	\$ 25,789,812	0.015696	(0.001537)	(0.000769)	0.016465	\$ 24,639,592
Schedule 449	449	\$ 7,141,613	\$ 6,379,015	\$ 9,798,347	\$ 3,722,281	0.002585	\$ 3,867,897	0.004509	0.001924	0.000962	0.003547	\$ 5,307,405
Lighting	50-59	\$ 15,794,090	\$ 12,888,320	\$ 13,100,032	\$ 15,582,378	0.010820	\$ 16,191,963	0.009109	(0.001711)	(0.000855)	0.009965	\$ 14,911,797
Firm Resale	005	\$ 2,016,904	\$ 1,797,109	\$ 1,858,807	\$ 1,955,207	0.001358	\$ 2,031,695	0.001270	(0.000087)	(0.000044)	0.001314	\$ 1,966,225
Total Sales		\$ 1,500,272,756	\$ 1,414,882,875	\$ 1,475,010,681	\$ 1,440,144,950	1.000000	\$ 1,496,483,648	1.000000	(0.000000)	(0.000000)	1.000000	\$ 1,496,483,648

Proposed Revenue = \$ 1,496,483,648

% Move to Parity 50%

Max Increase
 Min Increase

Puget Sound Energy
 Twelve Months ended September 30, 2003
 Summary
 Increase Based on Cost of Service Parity Ratios

Voltage Level	Schedule	Revenue Increase	% Increase	Constrained Increase	Respread Increase	Final Revenue Increase	Final % Increase	26/31 Adjustment	Really Final % Increase
		L = K - B	M = L / B	N	O	P	Q = P / B	R	S
Total Residential	7	\$ 62,145,043	8.13%	8.13%	\$ -	\$ 56,601,432	7.40%	\$ 56,601,432	7.40%
Secondary Voltage									
Demand <= 50 kW	24	\$ 7,871,606	4.53%	4.53%	\$ -	\$ 6,654,048	3.83%	\$ 6,654,048	3.83%
Demand > 50 kW but <= 350 kW	25 / 29	\$ (1,433,669)	-0.70%	2.88%	\$ 7,322,254	\$ 5,888,585	2.88%	\$ 5,888,585	2.88%
Demand > 350 kW	26	\$ 2,390,712	2.00%	2.88%	\$ 1,064,824	\$ 3,455,537	2.88%	\$ 2,447,826	2.04%
Total Secondary Voltage		\$ 8,828,649	1.77%	2.88%	\$ 8,387,078	\$ 15,998,169	3.21%	\$ 14,990,458	3.01%
Primary Voltage									
General Service	31	\$ 5,261,727	5.43%	5.43%	\$ -	\$ 4,577,269	4.73%	\$ 5,584,980	5.77%
Seasonal Irrigation & Drainage Pumping	35	\$ 69,020	34.51%	5.43%	\$ (58,153)	\$ 10,866	5.43%	\$ 10,866	5.43%
Interruptible Total Electric Schools	43	\$ 1,744,297	14.55%	8.65%	\$ (706,897)	\$ 1,037,400	8.65%	\$ 1,037,400	8.65%
Total Primary Voltage		\$ 7,075,044	6.49%	6.49%	\$ (765,050)	\$ 5,625,535	5.16%	\$ 6,633,246	6.08%
Total High Voltage	46 / 49	\$ 2,431,056	10.95%	8.65%	\$ (509,801)	\$ 1,921,255	8.65%	\$ 1,921,255	8.65%
Schedule 449	449	\$ (1,071,610)	-16.80%	2.88%	\$ 1,255,559	\$ 183,949	2.88%	\$ 183,949	2.88%
Lighting	50-59	\$ 2,023,476	15.70%	8.65%	\$ (908,511)	\$ 1,114,965	8.65%	\$ 1,114,965	8.65%
Firm Resale	005	\$ 169,115	9.41%	8.65%	\$ (13,648)	\$ 155,467	8.65%	\$ 155,467	8.65%
Total Sales		\$ 81,600,773	5.77%		\$ 7,445,627	\$ 81,600,773	5.77%	\$ 81,600,773	5.77%

Proposed Revenue =	
% Move to Parity	
Max Increase	8.65%
Min Increase	2.88%

Puget Sound Energy
Rate Design Workpapers
Residential Schedule 7 Rate

Line No.	Total	Temperature Adjustment	
1	Basic Charges:		
2	10,495,072		
3	3,216		
4	10,498,289		
5			
6	kWh:		
7	5,357,297,988	-	5,357,297,988
8	4,399,402,669	86,881,239	4,312,521,430
9	9,756,700,657	86,881,239	9,669,819,418
10			
11	Current Base Rates Effective 10-1-03		
12	Basic Charge:		
13	\$ 5.50		
14	\$ 13.60		
15			
16	Energy Charge:		
17	\$ 0.062727		
18	\$ 0.079144		
19	\$ 0.002336	<= Differential	25%
20	Basic Charge Revenue:		
21	\$ 57,722,896		
22	\$ 43,744		
23	\$ 57,766,640		
24	Energy Charge Revenue:		
25	\$ 336,047,231		
26	\$ 348,186,325		
27	\$ 22,791,653		
28	\$ 764,791,848		
29			
30	Proposed Rates Effective 2005		
31			
32	kWh:		
33	943,012,109	-	943,012,109
34	3,456,390,560	86,881,239	3,369,509,320
35	4,399,402,669	86,881,239	4,312,521,430
36			
37			
38			
39	Basic Charge:		
40	\$ 6.50		From COS Basic Charge Worksheet
41	\$ 16.10		= ratio of \$13.60 / \$5.50 * \$x.xx
42			
43	\$ 56,601,432		= From COS Ratespread Document
44	\$ 821,393,280		
45	7.40%		
46			
47	Basic Charge Revenue:		
48	\$ 68,217,968		
49	\$ 51,785		
50	\$ 68,269,753		
51			
52	\$ 753,123,527		
53			
54	Energy Charge:		
55	\$ 0.073499		Spread remaining revenue to first block
56	\$ 0.083919	14.18% <= Resulting Differential	
57			
58	Energy Charge Revenue:		
59	\$ 463,066,492	\$ 463,066,492	
60	\$ 290,056,839		
61			
62	\$ 821,393,084		
63	\$ 196		

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 24

Line No.		Total	Total Winter	Total Summer
1	Basic Charges:			
2	1 Phase	954,004		
3	3 Phase	351,859		
4		<u>1,305,863</u>		
5	kWh:			
6	All	2,382,776,165	1,257,189,864	1,125,586,300
	Temperature Adjustment	561,942	8,390,946	(7,829,005)
7	Total	<u>2,383,338,106</u>	<u>1,265,580,810</u>	<u>1,117,757,296</u>
8				
9				
10	Current Base Rates Effective 10-1-03			
11	Basic Charge:			
12	1 Phase	\$ 5.50		
13	3 Phase	\$ 13.60		
14				
15	Energy Charge:			
16	All kWh		\$ 0.067545	\$ 0.064967
17	Schedule 95	\$ 0.002357		
18	Basic Charge Revenue:			
19	1 Phase	\$ 5,247,023		
20	3 Phase	\$ 4,785,281		
21	Subtotal Basic Charge \$	<u>\$ 10,032,305</u>		
22	Energy Charge Revenue:			
23	All kWh	\$ 158,100,994	\$ 85,483,656	\$ 72,617,338
24	Schedule 95	\$ 5,617,528		
25	Total Proforma Revenue	\$ 173,750,827		
26				
27	Proposed Rates Effective 2005			
28				
29	Basic Charge:			
30	1 Phase	\$6.50		Same as Residential Basic Charge
31	3 Phase	\$16.10		Same as Residential Basic Charge
32				
34	Target Proposed \$ Increase	\$ 6,654,048		= From COS Ratespread Document
33	Target Proposed Revenue	\$ 180,404,874		
35	Target Proposed % Increase	3.83%		
36				
37	Basic Charge Revenue:			
38	1 Phase	\$ 6,201,027		
39	3 Phase	\$ 5,664,929		
40	Subtotal Basic Charge \$	<u>\$ 11,865,956</u>		
41				
42	Remaining Revenue Requirement To Spread	\$ 168,538,918		
43				
44	Energy Charge:			Retain Current Seasonal Percentage Differential
45	All kWh - October to March	\$ 0.072004		104%
46	All kWh - April to September	\$ 0.069256		
47				
48	Energy Charge Revenue:			
49				
50	All kWh	\$ 168,538,280		
51				
52	Total Proposed Revenue	\$ 180,404,236		
53	Difference due to rounding	\$ (638)		
54				

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 25

Line No.	Total	Winter	Summer	
1	87,940			
2				
3	1,443,691,610	725,287,983	718,403,628	
4	1,408,084,336			
5	(2,777,653)			
6	2,848,998,293			
7				
8	4,082,201	2,023,408	2,058,794	
9	4,287,494	2,125,411	2,162,083	
10	8,369,695			\$ 46,371,822.03
11				
12	745,499,708			
13	745,499,708			
14				
15	Current Base Rates Effective 10-1-03			
16	Rates:			
17	Basic Charge:			
18	\$ 24.90			
19	Energy Charge:			
20		\$ 0.069616	\$ 0.062652	
21	\$ 0.052260			
22	\$ 0.002340			
23	Demand Charge:			
24		\$ -	\$ -	
25	\$ 5.54	\$ 6.66	\$ 4.44	
26	\$ 0.00233			
27	Revenue:			
28	\$ 2,189,703			
29	Energy Charge Revenue:			
30	\$ 95,501,072	\$ 50,491,648	\$ 45,009,424	
31	\$ 73,441,327			
32	\$ 168,942,400			
33	\$ 6,666,656			
34	\$ 23,754,884	\$ 14,155,237	\$ 9,599,647	
35	\$ 1,737,014			
36	\$ 203,290,657			
37	Proposed Rates Effective 2005			
38				
39	\$ 5,888,585			= From COS Ratespread Document
40	\$ 204,205,358			
41				
42	\$ 5,862,208			
43	\$ 209,152,864			
44	2.88%			
45				
46	Basic Charge:			
47	\$ 33.50			From COS Basic Charge Worksheet
48				
49	Basic Charge Revenue:			
50	\$ 2,945,986			
51				
52	\$ 38,798,767	Winter	Summer	
53	\$ -	\$ -	\$ -	
54	\$ 5.54	6.85	4.57	Apply average increase
55				
56	Demand Revenue:			
57	\$ 24,439,783			
58				
59	\$ 1,787,104			From Demand Revenue Allocation Spreadsheet
60	\$ 0.00240			
61				
62	\$ 1,789,199			
63				
64	\$ 179,977,897			
65	\$ 175,609,056			
66	\$ 4,368,841			
67	2.49%			
68	Increase to Other Blocks			
69				
70	Energy Charge:			
71	\$ 0.073746	\$ 0.073746	\$ 0.066609	
72	\$ 0.055958	\$ 0.055958	\$ 0.055958	Spread remaining on equal percent increase
73				
74	Energy Charge Revenue:			
75	\$ 101,339,235			
76	\$ 78,638,151			
77	\$ 179,977,386			
78				
79	\$ 209,152,354			
80	\$ (510)			

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 29

Line No.		Total	Total Winter	Total Summer	
1	Basic Charges:				
2	1 Phase	2,192			
3	3 Phase	5,088			
4		<u>7,279</u>			
5	kWh:				
6	First 20,000 kWh	13,804,007	1,692,451	12,111,557	
7	All over 20,000 kWh	919,226	66,057	853,168	
8	All over 20,000 kWh - Temperature Adjustment	341,834	151,247	190,587	
9		<u>15,065,067</u>	<u>1,909,755</u>	<u>13,155,312</u>	
10	kW:				
11	First 50 kW	17,057	3,396	13,661	
12	All over 50 kW	10,244	2,025	8,219	
13		<u>27,301</u>	<u>5,421</u>	<u>21,880</u>	
14					
15	All kVarh	<u>393,796</u>			
16					
17	Current Base Rates Effective 10-1-03				
18	Rates:				
19	Basic Charge:				
20	1 Phase	\$ 5.50			
21	3 Phase	\$ 18.10			
22	Energy Charge:				
23	First 20,000 kWh		\$ 0.069616	\$ 0.047359	
24	All over 20,000 kWh Schedule 95	\$ 0.001525	\$ 0.054357	\$ 0.041171	
25	Demand Charge:				
26	First 50 kW		\$ -	\$ -	
27	All over 50 kW		\$ 6.66	\$ 3.28	
28	Reactive Power Charge:	\$ 0.00240			
29					
30	Proforma Revenue:				
31	Basic Charge Revenue:				
32	1 Phase	\$ 12,056			
33	3 Phase	\$ 92,085			
34	Subtotal Basic Charge \$	<u>\$ 104,140</u>			
35	Energy Charge Revenue:				
36	First 20,000 kWh	\$ 691,413	\$ 117,822	\$ 573,591	
37	All over 20,000 kWh	\$ 54,784	\$ 11,812	\$ 42,972	
38	Subtotal Energy \$ Schedule 95	<u>\$ 746,197</u> <u>\$ 22,974</u>			
39	Demand Charge Over 50 kW	\$ 40,445	\$ 13,487	\$ 26,957	
40	Reactive Power Revenue	\$ 945			
41	Total Proforma Revenue	<u>\$ 914,702</u>			
42					
43	Proposed Rates Effective 2005				
44					
45	Basic Charge:				
46	1 Phase	\$6.50			
47	3 Phase	\$21.40			
48					
49	Target Proposed % Increase	2.88%			
50	Target Proposed Revenue 29	\$ 941,078			
51	Target Proposed \$ Increase	\$ 26,377			
52	Basic Charge Revenue:				
53	1 Phase	\$ 14,248			
54	3 Phase	\$ 108,874			
55	Subtotal Basic Charge \$	<u>\$ 123,121</u>			
56					
57	Target Demand Revenue to Spread	\$ 64,924	Winter	Summer	
58	All over 50 kW	\$ 4.07	6.85	3.38	
59					
60	Demand Revenue:				
61	All over 50 kW	<u>\$ 41,651</u>			
62					
63	Target Reactive Power Revenue to Spread	\$ 972			
64	All kVarh	\$ 0.00247			
65					
66	Reactive Power Revenue:				
67	All kVarh	<u>\$ 973</u>			
68					
69	Remaining Revenue Requirement To Spread	\$ 775,333			
70					
71	Assumed Load Factor (Current Rates)	66.20%	72.61%	59.79%	
72	Add demand to summer first block as Energy Charge	\$ 0.006994			
73					
74	Energy Charge:		Winter	Summer	
75	First 20,000 kWh	\$	\$ 0.073746	\$ 0.049057	
76	All Over 20,000 kWh	\$	\$ 0.055958	\$ 0.042358	
77					
78	Energy Charge Revenue:				
79	All kWh	<u>\$ 775,339</u>			
80					
81	Total Proposed Revenue	<u>\$ 941,084</u>			
82	Difference due to rounding	<u>\$ (6)</u>			

Single Phase set = Sched 24
= \$18.10 / \$5.50 * \$x.xx

From Demand Revenue Allocation Spreadsheet
Winter Demand = Schedule 25

From Demand Revenue Allocation Spreadsheet

Winter Blocks same as Sch 25
Summer 2nd Block equal average percentage incre
Spread remainder to summer last block

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 26

Line No.		Total	Total Winter	Total Summer
1	Basic Charges	8,699		
2				
3	kWh	1,890,378,962		
4	Temperature Adjustment	(3,556,768)		
5	Total kWh	1,886,822,194		
6				
7	kW:	4,387,269	2,134,140	2,253,129
8				
9	kVarh	934,070,048		
10				
11	Current Base Rates Effective 7-1-05			
12	Rates:			
13	Basic Charge:	\$ 29.10		
14	Energy Charge:	\$ 0.047320		
	Schedule 95	\$ 0.002191		
15	Demand Charge:		\$ 6.92	\$ 4.60
16	Reactive Power Charge:	\$ 0.00110		
17				
18	Revenue:			
19	Basic Charge	\$ 253,134		
20	Energy Charge	\$ 89,284,426		
	Schedule 95	\$ 4,134,027		
21	Demand Charge	\$ 25,132,641	\$ 14,768,248	\$ 10,364,394
22	Reactive Power	\$ 1,027,477		
23	Total Proforma Revenue	\$ 119,831,706		
24				
25	Proposed Rates Effective 2005			
26				
27	Target Proposed Revenue 26	\$ 122,279,532		
28	Target Proposed \$ Increase	\$ 2,447,826		
29	Target Proposed % Increase	2.04%		
30				
31	Basic Charge:			
32	All Basic Charges	\$ 79.00		
33				
34	Basic Charge Revenue:			
35	Subtotal Basic Charge \$	\$ 687,203		
36				
37	Target Demand Revenue to Spread	\$ 25,335,120	Winter	Summer
38	All Demand	\$ 5.77	6.98	4.64
39				
40	Demand Revenue:			
41	All kW	\$ 25,350,815		
42				
43	Target Reactive Power Revenue to Spread	\$ 1,057,106		
44	All kVarh	\$ 0.00113		
45				
46	Reactive Power Revenue:			
47	All kVarh	\$ 1,055,499		
48				
49	Remaining Revenue Requirement To Spread	\$ 95,186,015		
50				
51	Energy Charge:			
52	All kWh	\$ 0.050448		
53				
54	Energy Charge Revenue:			
55	All kWh	\$ 95,186,406		
56				
57	Total Proposed Revenue	\$ 122,279,923		
58	Difference due to rounding	\$ 391		

= From COS Ratespread Document

From COS Basic Charge Worksheet

From Demand Revenue Allocation Spreadsheet

From Demand Revenue Allocation Spreadsheet

Average Cents

Puget Sound Energy
Rate Design Workpapers
Primary Voltage
Schedule 31

Line No.		Total	Total Winter	Total Summer
1	Basic Charges:	6,078		
2				
3	kWh	1,661,414,453		
4	Temperature Adjustment	(3,882,862)		
5	Total kWh	1,657,531,591		
6				
7	kW:	3,946,815	1,927,229	2,019,586
8				
9	kVarh	919,421,179		
10				
11	Current Base Rates Effective 7-1-05			
12	Rates:			
13	Basic Charge	\$ 200.00		
14	Energy Charge	\$ 0.042540		
	Schedule 95	\$ 0.002045		
15	Demand Charge		\$ 6.41	\$ 4.27
16	Reactive Power Charge	\$ 0.00081		
17				
18	Revenue:			
19	Basic Charge	\$ 1,215,506		
20	Energy Charge	\$ 70,511,394		
21	Schedule 95	\$ 3,389,652		
22	Demand Charge	\$ 20,977,169	\$ 12,353,538	\$ 8,623,631
23	Reactive Power	\$ 744,731		
24	Total Proforma	\$ 96,838,452		
25				
26	Proposed Rates Effective 2005			
27				
28	Proposed Revenue Increase 31, 35	\$ 5,595,846		
29	Proforma Revenue 31, 35	\$ 97,038,442		
30	% Increase	5.77%		
31				
32	Target Proposed \$ Increase	\$ 5,584,314		
33	Target Proposed Revenue 31	\$ 102,422,765		
34	Target Proposed % Increase	5.77%		
35				
36	Basic Charge:			
37	All Basic Charges	\$ 200.00		
38				
39	Basic Charge Revenue:			
40	Subtotal Basic Charge \$	\$ 1,215,506		
41				
42	Target Demand Revenue to Spread			
43	kW	\$ 21,267,834	6.50	4.33
44				
45	Demand Revenue:			
46	All kW	\$ 21,271,794		
47				
48	Target Reactive Power Revenue to Spread			
49	All kVarh	\$ 825,661		
50				
51	Reactive Power Revenue:			
52	All kVarh	\$ 827,479		
53				
54	Remaining Revenue Requirement To Spread	\$ 79,107,986		
55				
56	Energy Charge:			
57	All kWh	\$ 0.047726		
58				
59	Energy Charge Revenue:			
60	All kWh	\$ 79,107,353		
61				
62	Total Proposed Revenue	\$ 102,422,132		
63	Difference due to rounding	\$ (633)		

= From COS Ratespread Document

Leave unchanged (transformers already included in rentals)

From Demand Revenue Allocation Spreadsheet

From Demand Revenue Allocation Spreadsheet

Average Cents

Puget Sound Energy
Rate Design Workpapers
Primary Voltage
Schedule 35

Line No.		Total	Total Winter 35	Total Summer 35
1	Basic Charges:	12		
2				
3	kWh:	4,966,200		
4				
5	kW:	9,074	1,065	8,009
6				
7	kVarh	2,344,205		
8				
9	Current Base Rates Effective 10-1-03			
10	Rates:			
11	Basic Charge	\$ 200.00		
12	Energy Charge	\$ 0.033147		
	Schedule 95	\$ 0.001954		
13	Demand Charge		\$ 3.33	\$ 2.22
14	Reactive Power Charge	\$ 0.00083		
15				
16	Revenue:			
17	Basic Charge	\$ 2,400		
18	Energy Charge	\$ 164,615		
	Schedule 95	\$ 9,704		
19	Demand Charge	\$ 21,326	\$ 3,546	\$ 17,780
20	Reactive Power	\$ 1,946		
21	Total Proforma	\$ 199,990		
22				
23	Proposed Rates Effective 2005			
24				
25	Target Proposed % Increase	5.77%		
26	Target Proposed \$ Increase	\$ 11,533		
27	Target Proposed Revenue 35	\$ 211,523		
28				
29	Basic Charge:			
30	All Basic Charges	\$ 200.00		Same as Sch 31
31				
32	Basic Charge Revenue:			
33	Subtotal Basic Charge \$	\$ 2,400		
34				
35	Target Demand Revenue to Spread	\$ 21,618		From Demand Revenue Allocation Spreadsheet
36				
37	All kW - Average Annual	\$ 2.38		
38	Winter Demand Charge	\$ 3.57		150% of Average Demand
39	Summer Demand Charge	\$ 2.38		
40				
41	Demand Revenue:			
42	All kW	\$ 22,863		
43				
44	Target Reactive Power Revenue to Spread	\$ 2,051		From Demand Revenue Allocation Spreadsheet
45	All kVarh	\$ 0.00088		
46				
47	Reactive Power Revenue:			
48	All kVarh	\$ 2,063		
49				
50	Remaining Revenue Requirement To Spread	\$ 184,197		
51				
52	Energy Charge:			
53	All kWh	\$ 0.037090		Average Cents
54				
55	Energy Charge Revenue:			
56	All kWh	\$ 184,196		
57				
58	Total Proposed Revenue	\$ 211,522		
59	Difference due to rounding	\$ (1)		

Puget Sound Energy
Rate Design Workpapers
Primary Voltage
Schedule 43

Line No.	Total
1 Basic Charges:	2,388
2	
3 kWh	175,656,470
4 Temperature Adjustment	14,036,294
5 kWh:	189,692,765
6	
7 kW:	864,945
8	
9 kVarh	82,811,957
10	
Current Base Rates Effective 10-1-03	
12 Rates:	
13 Basic Charge	\$ 200.00
14 Energy Charge	\$ 0.040898
Schedule 95	\$ 0.002223
15 Demand Charge	\$ 3.63
16 Reactive Power Charge	\$ 0.00235
17	
18 Revenue:	
19 Basic Charge	\$ 477,613
20 Energy Charge	\$ 7,758,055
Schedule 95	\$ 421,687
21 Demand Charge	\$ 3,139,749
22 Reactive Power	\$ 194,608
23 Total Proforma	\$ 11,991,713
24	
Proposed Rates Effective 2005	
26	
27 Target Proposed % Increase	8.65%
28 Target Proposed \$ Increase	\$ 1,037,400
27 Target Proposed Revenue 43	\$ 13,029,113
28	
29 Basic Charge:	
30 All Basic Charges	\$ 200.00
31	
32 Basic Charge Revenue:	
33 Subtotal Basic Charge \$	\$ 477,613
34	
35 Target Demand Revenue to Spread	\$ 3,179,955
36 All kW	\$ 3.68
37	
38 Demand Revenue:	
39 All kW	\$ 3,182,997
40	
41 Target Reactive Power Revenue to Spread	\$ 211,444
42 All kVarh	\$ 0.00255
43	
44 Reactive Power Revenue:	
45 All kVarh	\$ 211,170
46	
47 Remaining Revenue Requirement To Spread	\$ 9,157,332
48	
49 Energy Charge:	
50 All kWh	\$ 0.048275
51	
52 Energy Charge Revenue:	
53 All kWh	\$ 9,157,418
54	
55 Total Proposed Revenue	\$ 13,029,199
56 Difference due to rounding	\$ 86

Same as Sch 31

From Demand Revenue Allocation Spreadsheet

From Demand Revenue Allocation Spreadsheet

Average Cents

Puget Sound Energy
Rate Design Workpapers
High Voltage
Schedule 46

Line No.		Total
1	kWh:	51,109,000
2		
3	kVa:	168,423
4		
5	Current Base Rates Effective 10-1-03	
6	Rates:	
7	Energy Charge	\$ 0.037259
	Schedule 95	\$ 0.001089
8	Demand Charge	\$ 1.58
9		
10	Revenue:	
11	Energy Charge	\$ 1,904,270
	Schedule 95	\$ 55,658
12	Demand Charge	\$ 266,108
13	Total Proforma	\$ 2,226,036
14		
15	Proposed Rates Effective 2005	
16		
18	Target Proposed \$ Increase Sch 46 & 49	\$ 1,921,255
17	Target Proposed Revenue 46 & 49	\$ 24,129,792
19	Target Proposed % Increase Sch 46 & 49	8.65%
20		
21	Target Demand Revenue to Spread	\$ 248,505
22	kVa	\$ 1.48
23		
24		
25	Demand Revenue:	
26	All kVa	\$ 249,266
27		
28		
29	Energy Charge Schedules 46 & 49:	
30	All kWh	\$ 0.043329
31		
32	Energy Charge Revenue:	
33	All kWh	\$ 2,214,502
34		
35	Total Proposed Revenue Schedule 46	\$ 2,463,768

= From COS Ratespread Document

From Demand Revenue Allocation Spreadsheet

From Schedule 49

Puget Sound Energy
Rate Design Workpapers
High Voltage
Schedule 49

Line No.	Total
1 kWh:	424,545,212
2	
3 kVa:	1,172,295
4	
Current Base Rates Effective 10-1-03	
6 Rates:	
7 Energy Charge	\$ 0.037259
Schedule 95	\$ 0.002105
8 Demand Charge	\$ 2.79
9	
10 Revenue:	
11 Energy Charge	\$ 15,818,130
Schedule 95	\$ 893,668
12 Demand Charge	\$ 3,270,703
13 Total Proforma	\$ 19,982,500
14	
Proposed Rates Effective 2005	
16	
17 Target Proposed Revenue 46 & 49	\$ 24,129,792
18 Target Proposed \$ Increase Sch 46 & 49	\$ 1,921,255
19 Target Proposed % Increase Sch 46 & 49	8.65%
20	
21 Target Demand Revenue to Spread	\$ 3,054,347
22 kVa	\$ 2.79
23	
24 Demand Revenue:	
25 All kVa	\$ 3,270,703
26	
27 Schedule 46 Demand Revenue	\$ 249,266
28 Remaining Revenue Requirement To Spread	\$ 20,609,823
29 Total Sch 46 & 49 kWh	475,654,212
30	
31	
32 Energy Charge Schedules 46 & 49:	
33 All kWh	\$ 0.043329
34	
35 Energy Charge Revenue:	
36 All kWh	\$ 18,395,120
37	
38 Total Proposed Revenue Sch 49	\$ 21,665,822
39 Total Proposed Revenue Sch 46	\$ 2,463,768
40	
41 Difference due to rounding	\$ (202)

= From COS Ratespread Document

From Demand Revenue Allocation Spreadsheet

Average Cents

Puget Sound Energy
Rate Design Workpapers
High Voltage
Schedule 449 & 459- Primary & High Voltage

Line No.		Primary Voltage all Voltage	Primary Voltage Sch 449	High Voltage Sch 449	High Voltage Sch 459	
1	Basic Charges		24	168	60	
2	Registered kVa		216,056	2,865,370	622,292	
3						
4	Current Base Rates Effective 10-1-03					
5	Customer Charge	\$	709.00	\$ 709.00	\$	709.00
6	Demand Charge:	\$	4.00	\$ 1.53	\$	1.53
7						
8	Customer Revenue	\$	17,016	\$ 119,112	\$	42,540
9	Demand (Distribution) Revenue	\$	864,224	\$ 4,384,016	\$	952,107
10						
11	Total Proforma Revenue	\$	6,379,015	\$ 4,503,128	\$	994,647
12						
13	Proposed Rates Effective 2005					
14						
16	Target Proposed \$ Increase	\$	183,949			= From COS Ratespread Document
15	Target Proposed Revenue 449 (PV & HV)	\$	6,562,964			
17	Target Proposed % Increase		2.88%			
18						
19	Customer Charge		\$709.00	\$709.00	\$709.00	From COS Basic Charge Template
20						
21	Customer Charge	\$	178,668	\$ 17,016	\$ 119,112	\$ 42,540
22						
23	Subtotal Charges Before Demand	\$	178,668			
24						
25	Remaining Revenue to Spread	\$	6,384,296			
26						
27	Target Demand Revenue to Spread					Adjust Primary Voltage Rate to reduce
28	All kVa	\$	4.04	\$ 1.58	\$ 1.58	Equal Percentage Increase
29						
30	Demand Revenue:					
31	All kVa	\$	6,383,372	\$ 872,866	\$ 4,527,285	\$ 983,221
32						
33	Total Proposed Revenue Sch 449	\$	6,562,040	\$ 889,882	\$ 4,646,397	\$ 1,025,761
34						
35	Difference due to rounding	\$	(924)			

Puget Sound Energy
Derivation of Basic Charge

Description	Residential	Secondary Svc less than 50 kW	Secondary Svc 51 kW to 350 kW	Secondary Svc over 350 kW	Primary Svc General Service	Primary Svc Irrigation Service	Primary Svc Interruptible Service	Retail Wheeling Primary Voltage	High Volt Svc GS & Int (46/49)	Retail Wheeling High Voltage	Lighting Street & Area	Firm Resale Large	Firm Resale Small
	All		25 / 29	26	31	35	43	449	49	449	50-59, & 003	005	005
Include 100% of Transformer	\$ 8.30	\$ 11.45	\$ 56.53	\$ 139.28	\$ 313.23	\$ 247.64	\$ 320.59	\$ 2,075.62	\$ 1,968.15	\$ 1,675.97	\$ 1.86	\$ 496.99	\$ 531.31
Exclude Transformer	\$ 5.54	\$ 6.91	\$ 21.16	\$ 46.61	\$ 295.88	\$ 253.39	\$ 323.01	\$ 2,082.10	\$ 1,972.93	\$ 1,680.08	\$ 1.86	\$ 482.39	\$ 491.52
Meter, Service, 35% Transformer & Bill	\$ 6.50	\$ 8.50	\$ 33.54	\$ 79.05	\$ 301.95	\$ 251.38	\$ 322.16	\$ 2,079.83	\$ 1,971.26	\$ 1,678.64	\$ 1.86	\$ 487.50	\$ 505.45
Current Single Phase	\$ 5.50	\$ 5.50	\$ 24.90	\$ 29.10	\$ 200.00	\$ 200.00	\$ 200.00	\$ 709.00	\$ -	\$ 709.00	\$ -	\$ -	\$ -
Current Three Phase	\$ 13.60	\$ 13.60											

Puget Sound Energy
Proforma Demand Revenue
Twelve Months ended September 30, 2003

	All Demand	Proforma Demand Revenue	Proforma Reactive Power Revenue	Total Proforma Demand Revenue	Revenue % to Schedule	Target Revenue	Target Revenue by Schedule	Average Increase	Proposed kVarh Revenue	Target Demand Revenue by Schedule
Schedule 25	8,369,695	\$ 23,754,884	\$ 1,737,014	\$ 25,491,898	99.838%		\$ 40,585,871		\$ 1,787,104	\$ 38,798,767
Schedule 29	27,301	\$ 40,445	\$ 945	\$ 41,390	0.162%		\$ 65,897		\$ 972	\$ 64,924
Subtotal Schedules 11, 25 & 29	8,396,996	\$ 23,795,328	\$ 1,737,959	\$ 25,533,288		\$ 40,651,768	\$ 40,651,768	2.9%	\$ 1,788,076	\$ 38,863,691
Schedule 26 ¹	4,387,269	\$ 25,132,641	\$ 1,027,477	\$ 26,160,118	100.000%	\$ 26,392,226	\$ 26,392,226	2.9%	\$ 1,057,106	\$ 25,335,120
Schedule 31 ²	3,946,815	\$ 20,977,169	\$ 744,731	\$ 21,721,900	86.612%		\$ 22,093,495	10.9%	\$ 825,661	\$ 21,267,834
Schedule 35	9,074	\$ 21,326	\$ 1,946	\$ 23,271	0.093%		\$ 23,670	5.4%	\$ 2,051	\$ 21,618
Schedule 43	864,945	\$ 3,139,749	\$ 194,608	\$ 3,334,358	13.295%		\$ 3,391,398	8.7%	\$ 211,444	\$ 3,179,955
Subtotal Schedules 31, 35, & 43	4,820,833	\$ 24,138,244	\$ 941,285	\$ 25,079,529		\$ 25,508,563	\$ 25,508,563		\$ 1,039,156	\$ 24,469,407
Schedule 46	168,423	\$ 266,108	\$ -	\$ 266,108	7.524%		\$ 248,505		\$ -	\$ 248,505
Schedule 49	1,172,295	\$ 3,270,703	\$ -	\$ 3,270,703	92.476%		\$ 3,054,347		\$ -	\$ 3,054,347
Subtotal Schedules 46 & 49	1,340,718	\$ 3,536,811	\$ -	\$ 3,536,811		\$ 3,302,853	\$ 3,302,853	8.7%	\$ -	\$ 3,302,853
Schedule 449 Primary Voltage	216,056	\$ 864,224	\$ -	\$ 864,224	13.938%		\$ 641,847		\$ -	\$ 641,847
Schedule 449 High Voltage Voltage	2,865,370	\$ 4,384,016	\$ -	\$ 4,384,016	70.706%		\$ 3,255,949		\$ -	\$ 3,255,949
Schedule 459 High Voltage Voltage	622,292	\$ 952,107	\$ -	\$ 952,107	15.356%		\$ 707,117		\$ -	\$ 707,117
Subtotal Schedule 449	3,703,718	\$ 6,200,347	\$ -	\$ 6,200,347		\$ 4,604,913	\$ 3,897,796	2.9%	\$ -	\$ 3,897,796
Total Related Demand	22,649,533	\$ 82,803,371	\$ 3,706,721	\$ 86,510,093		\$ 100,460,322	\$ 99,753,206		\$ 3,884,338	\$ 95,868,867

(2) Give demand twice average increase since below target and trying to line up with Sch 26 Demand

Puget Sound Energy
Allocation of Demand Revenue to Class
Based on Ratios From Electric Cost of Service
Twelve Months ended September 30, 2003

Line No.	Source	Secondary Voltage Schedules 25 & 29	Secondary Voltage Schedule 26	Primary Voltage Schedules 31, 35 & 43	High Voltage Schedules 46 & 49	Transportation Schedules 449 & 459	
1	Total Cost of Service Demand	COS DEM, Line 7	\$ 52,535,844	\$ 25,999,367	\$ 24,836,135	\$ 2,981,115	\$ 3,879,960
2	Total Cost of Service Revenue	COS TMP2, Line 6	\$ 200,557,321	\$ 121,854,962	\$ 117,673,939	\$ 26,035,326	\$ 8,995,724
3	Ratio Cost of Service Demand to Total Revenue	Line 1 / Line 2	0.26195	0.21336	0.21106	0.11450	0.43131
4	Proforma Demand Revenue	Demand Revenue Table	\$ 25,533,288	\$ 26,160,118	\$ 25,079,529	\$ 3,536,811	\$ 6,200,347
5	Total Proforma Revenue	Target Proposed Revenue, Column 1	\$ 204,205,358	\$ 119,831,706	\$ 109,030,154	\$ 22,208,537	\$ 6,379,015
6	Ratio Proforma Demand Revenue to Total Revenue	Line 4 / Line 5	0.12504	0.21831	0.23002	0.15925	0.97199
7	Move 1/2 Distance toward Parity	Line 6 + 1/2 * (Line 3 - Line 6)	0.19349	0.21584	0.22054	0.13688	0.70165
8	Total Proposed Revenue	Target Proposed Revenue, Column (Last - 3)	\$ 210,093,943	\$ 122,279,532	\$ 115,663,401	\$ 24,129,792	\$ 6,562,964
9	Proposed Demand Revenue	Line 7 * Line 8	\$ 40,651,768	\$ 26,392,226	\$ 25,508,563	\$ 3,302,853	\$ 4,604,913