

EXHIBIT NO. ___(JAH-4)
DOCKET NO. UE-04___/UG-04___
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-04___
Docket No. UG-04___

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

APRIL 5, 2004

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

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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	\$ 770,153,730	\$ 826,754,644	\$ 56,600,914	\$ 56,599,830	\$ (1,085)	7.3%
Total Residential		9,756,700,657	\$ 770,153,730	\$ 826,754,644	\$ 56,600,914	\$ 56,599,830	\$ (1,085)	7.3%
Secondary Voltage								
Demand <= 50 kW	24	2,383,338,106	\$ 175,072,412	\$ 181,708,283	\$ 6,635,871	\$ 6,636,229	\$ 358	3.8%
Demand > 50 kW but <= 350 kW	25	2,848,998,293	\$ 204,858,084	\$ 210,722,480	\$ 5,864,396	\$ 5,864,508	\$ 111	2.9%
Demand > 350 kW	26	1,886,822,194	\$ 120,803,753	\$ 123,268,618	\$ 2,464,865	\$ 2,464,199	\$ (666)	2.0%
Seasonal Irrigation & Drainage Pumping	29	15,065,067	\$ 920,104	\$ 946,443	\$ 26,338	\$ 26,340	\$ 2	2.9%
Total Secondary Voltage		7,134,223,660	\$ 501,654,353	\$ 516,645,824	\$ 14,991,471	\$ 14,991,276	\$ (195)	3.0%
Primary Voltage								
General Service	31	1,657,531,591	\$ 97,635,591	\$ 103,224,377	\$ 5,588,786	\$ 5,589,426	\$ 640	5.7%
Seasonal Irrigation & Drainage Pumping	35	4,966,200	\$ 202,269	\$ 213,848	\$ 11,578	\$ 11,579	\$ 1	5.7%
Interruptible Total Electric Schools	43	189,692,765	\$ 12,090,736	\$ 13,129,167	\$ 1,038,431	\$ 1,038,371	\$ (60)	8.6%
Total Primary Voltage		1,852,190,556	\$ 109,928,597	\$ 116,567,392	\$ 6,638,795	\$ 6,639,376	\$ 581	6.0%
High Voltage								
Interruptible	46	51,109,000	\$ 2,239,141	\$ 2,488,351	\$ 249,210			11.1%
General Service	49	424,545,212	\$ 20,192,636	\$ 21,870,028	\$ 1,677,393			8.3%
Total High Voltage		475,654,212	\$ 22,431,777	\$ 24,358,380	\$ 1,926,602	\$ 1,926,475	\$ (127)	8.6%
Lighting								
	50-59	82,428,542	\$ 12,888,320	\$ 13,995,191	\$ 1,106,871	\$ 1,106,869	\$ (2)	8.6%
Total Retail Sales to Customers		19,301,197,628	\$ 1,417,056,777	\$ 1,498,321,430	\$ 81,264,653	\$ 81,263,825	\$ (828)	5.7%
Small Firm Resale								
Small Firm Resale	005	7,678,078	\$ 457,443	\$ 496,729				
Special Contract	001	128,379,640	\$ 1,339,667	\$ 1,454,719				
Total Firm Resale		136,057,718	\$ 1,797,109	\$ 1,951,448	\$ 154,338	\$ 154,338	\$ -	8.6%
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	\$ 182,613	\$ (412)	2.9%
Total Sales to Customers		21,483,173,826	\$ 1,425,232,901	\$ 1,506,834,918	\$ 81,602,017	\$ 81,600,777	\$ (1,240)	5.7%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Residential
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	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	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	<u>10,498,289</u>	<u>10,498,289</u>		<u>\$ 57,766,640</u>		<u>\$ 68,269,753</u>	<u>\$ 10,503,113</u>	<u>18.2%</u>	
First 600 kWh	5,357,297,988	5,357,297,988	\$ 0.062727	\$ 336,047,231	\$ 0.073464	\$ 393,568,539	\$ 57,521,308	17.1%	
Next 200 kWh	943,012,109	943,012,109	\$ 0.079144	\$ 74,633,750	\$ 0.073464	\$ 69,277,442	\$ (5,356,309)	-7.2%	
All Over 600 kWh	<u>3,369,509,320</u>	<u>86,881,239</u>	<u>3,456,390,560</u>	<u>\$ 0.079144</u>	<u>\$ 273,552,574</u>	<u>\$ 0.085534</u>	<u>\$ 295,638,910</u>	<u>\$ 22,086,336</u>	<u>8.1%</u>
Total kWh	<u>9,669,819,418</u>	<u>86,881,239</u>	<u>9,756,700,657</u>		<u>\$ 684,233,556</u>		<u>\$ 758,484,891</u>	<u>\$ 74,251,335</u>	<u>10.9%</u>
Schedule 95		<u>9,756,700,657</u>	\$ 0.002886	<u>\$ 28,153,534</u>	\$ -	<u>\$ -</u>	<u>\$ (28,153,534)</u>	<u>-100.0%</u>	
Total Revenue				<u>\$ 770,153,730</u>		<u>\$ 826,754,644</u>	<u>\$ 56,600,914</u>	<u>7.3%</u>	

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

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	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	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	\$ 0.072561	\$ 91,831,809	\$ 6,348,153	7.4%
Summer Energy	1,125,586,300	(7,829,005)	1,117,757,296	\$ 0.064967	\$ 72,617,338	\$ 0.069792	\$ 78,010,517	\$ 5,393,179	7.4%
Total kWh	2,382,776,165	561,942	2,383,338,106		\$ 158,100,994		\$ 169,842,326	\$ 11,741,332	7.4%
Schedule 95		<u>2,383,338,106</u>	\$ 0.002912	<u>\$ 6,939,113</u>	\$ -	<u>\$ -</u>	<u>\$ (6,939,113)</u>	<u>-100.0%</u>	
Total Revenue Schedule 24				<u><u>\$ 175,072,412</u></u>		<u><u>\$ 181,708,283</u></u>	<u><u>\$ 6,635,871</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
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	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03 Charge	Revenue	Rates Effective 2005 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	\$ 0.074298	\$ 53,887,447	\$ 3,395,798	6.7%
Summer- First 20,000 kWh	718,403,628	718,403,628	\$ 0.062652	\$ 45,009,424	\$ 0.067162	\$ 48,249,424	\$ 3,240,000	7.2%
All Over 20,000 kWh	1,408,084,336	(2,777,653) 1,405,306,683	\$ 0.052260	\$ 73,441,327	\$ 0.056513	\$ 79,418,097	\$ 5,976,769	8.1%
Total kWh Energy	2,851,775,946	(2,777,653) 2,848,998,293		\$ 168,942,400		\$ 181,554,968	\$12,612,568	7.5%
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	\$ 0.00239	\$ 1,781,744	\$ 44,730	2.6%
Schedule 95		2,848,998,293	\$ 0.002890	\$ 8,234,083	\$ -	\$ -	\$ (8,234,083)	-100.0%
Total Revenue				\$ 204,858,084		\$ 210,722,480	\$ 5,864,396	2.9%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Demand Greater than 350 kW
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	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03	Revenue	Rates Effective 2005	Revenue	\$	%
			Charge		Charge			
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	\$ 0.050972	\$ 96,175,101	\$ 6,890,675	7.7%
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	\$ 0.002706	\$ 5,106,074	\$ -	\$ -	\$ (5,106,074)	-100.0%
Total Revenue				\$ 120,803,753		\$ 123,268,618	\$ 2,464,865	2.0%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Secondary Voltage, Seasonal Irrigation & Drainage Pumping Service
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	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	\$0.074298	\$ 125,746	\$ 7,924	6.7%	
Winter - All Over 20,000 kWh	66,057	151,247	\$ 0.054357	\$ 11,812	\$0.056513	\$ 12,281	\$ 469	4.0%	
Summer- First 20,000 kWh	12,111,557	12,111,557	\$ 0.047359	\$ 573,591	\$0.049413	\$ 598,468	\$ 24,877	4.3%	
Summer- All Over 20,000 kWh	853,168	190,587	\$ 0.041171	\$ 42,972	\$0.042350	\$ 44,203	\$ 1,231	2.9%	
Total kWh Energy	14,723,233	341,834 15,065,067		\$ 746,197		\$ 780,698	\$ 34,500	4.6%	
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>	\$ 0.001884	\$ 28,377	\$ -	\$ -	\$(28,377)	-100.0%	
Total Revenue				<u>\$ 920,104</u>		<u>\$ 946,443</u>	<u>\$ 26,338</u>	<u>2.9%</u>	

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage General Service
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	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03 Charge	Revenue	Rates Effective 2005 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	\$ 0.048210	\$ 79,909,598	\$ 9,398,204	13.3%
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	\$ 0.002526	\$ 4,186,792	\$ -	\$ -	\$ (4,186,792)	-100.0%
Total Revenue				\$ 97,635,591		\$ 103,224,377	\$ 5,588,786	5.7%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage Seasonal Irrigation & Drainage Pumping Service
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	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	0.037563	\$ 186,545	\$ 21,931	13.3%
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	\$ 0.00087	\$ 2,039	\$ 94	4.8%
Schedule 95	4,966,200	\$ 0.00241	\$ 11,983	\$ -	\$ -	\$ (11,983)	-100.0%
Total Revenue			\$ 202,269		\$ 213,848	\$ 11,578	5.7%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 Primary Voltage Interruptible Total Electric School Service
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	Bill Determinants		Proforma		Proposed		Differences	
	Temperature Adjustment	Total	Rates Effective 10-1-03 Charge	Revenue	Rates Effective 2005 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	\$ 0.048802	\$ 9,257,386	\$ 1,499,332	19.3%
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	\$ 0.002745	\$ 520,711	\$ -	\$ -	\$ (520,711)	-100.0%
Total Revenue				\$ 12,090,736		\$ 13,129,167	\$ 1,038,431	8.6%

Puget Sound Energy
 Proforma and Proposed Revenue
 Twelve Months ended September 30, 2003
 High Voltage, Interruptible Service
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	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences		
	Charge	Revenue	Charge	Revenue	\$	%	
Total kWh Energy	51,109,000	\$ 0.037259	\$ 1,904,270	\$ 0.043810	\$ 2,239,085	\$ 334,815	17.6%
Total kVa Demand	168,423	\$ 1.58	\$ 266,108	\$ 1.48	\$ 249,266	\$ (16,842)	-6.3%
Schedule 95	51,109,000	\$ 0.001345	\$ 68,763	\$ -	\$ -	\$ (68,763)	-100.0%
Total Revenue			\$ 2,239,141		\$ 2,488,351	\$ 249,210	11.1%

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

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	Proforma Rates Effective 10-1-03		Proposed Rates Effective 2005		Differences		
	Charge	Revenue	Charge	Revenue	\$	%	
Total kWh Energy	424,545,212	\$ 0.037259	\$ 15,818,130	\$ 0.043810	\$ 18,599,326	\$ 2,781,196	17.6%
Total kVa Demand	1,172,295	\$ 2.79	\$ 3,270,703	\$ 2.79	\$ 3,270,703	\$ -	0.0%
Schedule 95	424,545,212	\$ 0.002600	\$ 1,103,803	\$ -	\$ -	\$ (1,103,803)	-100.0%
Total Revenue			\$ 20,192,636		\$ 21,870,028	\$ 1,677,393	8.3%

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

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Schedule	kWh	Annual Proforma Revenue	Annual Proposed Revenue	Revenue Change	% Change
03E	7,057	\$ 454	\$ 493	\$ 39	8.6%
50E-A	211,602	\$ 21,014	\$ 22,819	\$ 1,805	8.6%
50E-B	301,836	\$ 24,045	\$ 26,109	\$ 2,064	8.6%
52 O&M	-	\$ 334,444	\$ 363,167	\$ 28,723	8.6%
52E	3,807,497	\$ 323,857	\$ 351,671	\$ 27,814	8.6%
53E	45,792,662	\$ 9,150,748	\$ 9,936,630	\$ 785,882	8.6%
54E	16,064,011	\$ 935,533	\$ 1,015,878	\$ 80,345	8.6%
55E & 56E (No Res Exch)	4,274,893	\$ 967,433	\$ 1,050,518	\$ 83,085	8.6%
57E	10,032,758	\$ 769,086	\$ 835,136	\$ 66,050	8.6%
58E & 59E (No Res Exch)	1,936,225	\$ 312,831	\$ 339,697	\$ 26,866	8.6%
Old Pole Revenue	-	\$ 30,645	\$ 33,277	\$ 2,632	8.6%
New Pole Revenue	-	\$ 18,231	\$ 19,797	\$ 1,566	8.6%
	82,428,542	\$ 12,888,320	\$ 13,995,191	\$ 1,106,871	8.6%

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

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	Bill Determinants		Proforma		Proposed		Differences		
	Temperature Adjustment	Total	Rates Effective 10-1-03 Charge	Revenue	Rates Effective 2005 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-04xxxx Revenue Increase						\$ 39,286			
Total Revenue				\$ 457,443		\$ 496,729	\$ 39,286	8.6%	

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

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	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

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	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

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	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-04xxxx Revenue Increase					<u>\$ 115,053</u>		
Total Revenue			<u>\$ 1,339,667</u>		<u>\$ 1,454,719</u>	<u>\$ 115,053</u>	<u>8.6%</u>

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

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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	Service at Proposed Revenues			Revenue % to Total	
		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	\$ 852,250,624	\$ 770,153,730	\$ 803,836,549	\$ 818,567,805	0.564337	\$ 850,361,810	0.540370	(0.023966)	(0.011983)	0.552354	\$ 832,305,094
Secondary Voltage												
Demand <= 50 kW	24	\$ 181,294,062	\$ 175,072,412	\$ 182,363,420	\$ 174,003,054	0.119961	\$ 180,761,509	0.122838	0.002877	0.001438	0.121399	\$ 182,928,789
Demand > 50 kW but <= 350 kW	25 / 29	\$ 190,089,735	\$ 205,778,188	\$ 211,986,770	\$ 183,881,153	0.126771	\$ 191,023,284	0.144382	0.017611	0.008805	0.135577	\$ 204,291,584
Demand > 350 kW	26	\$ 118,089,031	\$ 120,803,753	\$ 124,612,067	\$ 114,280,717	0.078787	\$ 118,719,496	0.084761	0.005973	0.002987	0.081774	\$ 123,219,894
Total Secondary Voltage		\$ 489,472,828	\$ 501,654,353	\$ 518,962,257	\$ 472,164,923	0.325520	\$ 490,504,289	0.351981	0.026461	0.013230	0.338750	\$ 510,440,267
Primary Voltage												
General Service	31	\$ 102,415,900	\$ 97,635,591	\$ 101,277,520	\$ 98,773,972	0.068097	\$ 102,610,453	0.068505	0.000408	0.000204	0.068301	\$ 102,918,053
Seasonal Irrigation & Drainage Pumping	35	\$ 325,462	\$ 202,269	\$ 211,331	\$ 316,400	0.000218	\$ 328,689	0.000142	(0.000076)	(0.000038)	0.000180	\$ 271,269
Interruptible Total Electric Schools	43	\$ 14,745,651	\$ 12,090,736	\$ 12,515,348	\$ 14,321,039	0.009873	\$ 14,877,283	0.008483	(0.001390)	(0.000695)	0.009178	\$ 13,830,133
Total Primary Voltage		\$ 117,487,013	\$ 109,928,597	\$ 114,004,200	\$ 113,411,410	0.078188	\$ 117,816,425	0.077130	(0.001058)	(0.000529)	0.077659	\$ 117,019,456
Total High Voltage	46 / 49	\$ 26,423,145	\$ 22,431,777	\$ 23,805,117	\$ 25,049,806	0.017270	\$ 26,022,766	0.015739	(0.001531)	(0.000765)	0.016504	\$ 24,869,430
Schedule 449	449	\$ 7,143,964	\$ 6,379,015	\$ 9,798,310	\$ 3,724,668	0.002568	\$ 3,869,338	0.004476	0.001908	0.000954	0.003522	\$ 5,306,790
Lighting	50-59	\$ 15,839,437	\$ 12,888,320	\$ 13,139,987	\$ 15,587,771	0.010747	\$ 16,193,216	0.009043	(0.001704)	(0.000852)	0.009895	\$ 14,909,724
Firm Resale	005	\$ 2,030,604	\$ 1,797,109	\$ 1,839,118	\$ 1,988,595	0.001371	\$ 2,065,834	0.001261	(0.000110)	(0.000055)	0.001316	\$ 1,982,918
Total Sales		\$ 1,510,647,615	\$ 1,425,232,901	\$ 1,485,385,537	\$ 1,450,494,980	1.000000	\$ 1,506,833,678	1.000000	0.000000	0.000000	1.000000	\$ 1,506,833,678

Proposed Revenue = \$ 1,506,833,678

% 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

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Voltage Level	Schedule	Revenue	% Increase	Constrained	Respread	Final Revenue	Final %	26/31	Really Final %	
		Increase		Increase	Increase	Increase	Increase	Adjustment	Increase	
		L =	M =	N	O	P	Q =	R	S	
		K - B	L / B				P / B			
Total Residential	7	\$ 62,151,364	8.07%	8.07%	\$ -	\$ 56,599,830	7.35%	\$ 56,599,830	7.35%	
Secondary Voltage										
Demand <= 50 kW	24	\$ 7,856,377	4.49%	4.49%	\$ -	\$ 6,636,229	3.79%	\$ 6,636,229	3.79%	
Demand > 50 kW but <= 350 kW	25 / 29	\$ (1,486,604)	-0.72%	2.86%	\$ 7,377,452	\$ 5,890,848	2.86%	\$ 5,890,848	2.86%	
Demand > 350 kW	26	\$ 2,416,141	2.00%	2.86%	\$ 1,042,128	\$ 3,458,270	2.86%	\$ 2,464,199	2.04%	
Total Secondary Voltage		\$ 8,785,914	1.75%	2.86%	\$ 8,419,581	\$ 15,985,346	3.19%	\$ 14,991,276	2.99%	
Primary Voltage										
General Service	31	\$ 5,282,462	5.41%	5.41%	\$ -	\$ 4,595,991	4.71%	\$ 5,590,062	5.73%	
Seasonal Irrigation & Drainage Pumping	35	\$ 69,000	34.11%	5.41%	\$ (58,057)	\$ 10,944	5.41%	\$ 10,944	5.41%	
Interruptible Total Electric Schools	43	\$ 1,739,397	14.39%	8.59%	\$ (701,026)	\$ 1,038,371	8.59%	\$ 1,038,371	8.59%	
Total Primary Voltage		\$ 7,090,859	6.45%	6.45%	\$ (759,083)	\$ 5,645,305	5.14%	\$ 6,639,376	6.04%	
Total High Voltage	46 / 49	\$ 2,437,653	10.87%	8.59%	\$ (511,178)	\$ 1,926,475	8.59%	\$ 1,926,475	8.59%	
Schedule 449	449	\$ (1,072,225)	-16.81%	2.86%	\$ 1,254,838	\$ 182,613	2.86%	\$ 182,613	2.86%	
Lighting	50-59	\$ 2,021,404	15.68%	8.59%	\$ (914,536)	\$ 1,106,869	8.59%	\$ 1,106,869	8.59%	
Firm Resale	005	\$ 185,809	10.34%	8.59%	\$ (31,470)	\$ 154,338	8.59%	\$ 154,338	8.59%	
Total Sales		\$ 81,600,777	5.73%		\$ 7,458,153	\$ 81,600,777	5.73%	\$ 81,600,777	5.73%	

Proposed Revenue =

% Move to Parity

Max Increase	8.59%
Min Increase	2.86%

Puget Sound Energy
Rate Design Workpapers
Residential Schedule 7 Rate

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Line No.		Total	Temperature Adjustment	
1	Basic Charges:			
2	1 Phase	10,495,072		
3	3 Phase	3,216		
4		<u>10,498,289</u>		
5				
6	kWh:			
7	First 600	5,357,297,988	-	5,357,297,988
8	All Over 600	4,399,402,669	86,881,239	4,312,521,430
9		<u>9,756,700,657</u>	<u>86,881,239</u>	<u>9,669,819,418</u>
10				
11	Current Base Rates Effective 10-1-03			
12	Basic Charge:			
13	1 Phase	\$ 5.50		
14	3 Phase	\$ 13.60		
15				
16	Energy Charge:			
17	First 600	\$ 0.062727		
18	All Over 600	\$ 0.079144		
19	Schedule 95	\$ 0.002886		
20	Basic Charge Revenue:			
21	1 Phase	\$ 57,722,896		
22	3 Phase	\$ 43,744		
23	Subtotal Basic Charge \$	<u>\$ 57,766,640</u>		
24	Energy Charge Revenue:			
25	First 600	\$ 336,047,231		
26	All Over 600	\$ 348,186,325		
27	Schedule 95	\$ 28,153,534		
28	Total Proforma Revenue	\$ 770,153,730		
29				
30	Proposed Rates Effective 2005			
31				
32	kWh:			
33	600 - 800	943,012,109	-	943,012,109
34	All Over 800	3,456,390,560	86,881,239	3,369,509,320
35		<u>4,399,402,669</u>	<u>86,881,239</u>	<u>4,312,521,430</u>
36				
37				
38				
39	Basic Charge:			
40	1 Phase	\$ 6.50		From COS Basic Charge Worksheet
41	3 Phase	\$ 16.10		= ratio of \$13.60 / \$5.50 * \$x.xx
42				
43	Target Proposed \$ Increase	\$ 56,599,830		= From COS Ratespread Document
44	Target Proposed Revenue	\$ 826,753,560		
45	Target Proposed % Increase (Pre-Interim)	7.35%		
46				
47	Basic Charge Revenue:			
48	1 Phase	\$ 68,217,968		
49	3 Phase	\$ 51,785		
50	Subtotal Basic Charge \$	<u>\$ 68,269,753</u>		
51				
52	Remaining Revenue Requirement To Spread	\$ 758,483,807		
53				
54	Energy Charge:			
55	First 800 (Flat)	\$ 0.073464		Spread remaining revenue to first block
56	All Over 800 (Flat)	\$ 0.085534		16.43% <= Resulting Differential
57				
58	Energy Charge Revenue:			
59	First 800	\$ 462,845,981	\$ 462,845,981	
60	All Over 800	\$ 295,638,910		
61				
62	Total Proposed Revenue	\$ 826,754,644		
63	Difference due to rounding	\$ (1,085)		

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 24

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Line No.	Total	Total Winter	Total Summer
1	Basic Charges:		
2	954,004		
3	351,859		
4	1,305,863		
5	kWh:		
6	2,382,776,165	1,257,189,864	1,125,586,300
	Temperature Adjustment	8,390,946	(7,829,005)
7	2,383,338,106	1,265,580,810	1,117,757,296
8			
9			
10	Current Base Rates Effective 10-1-03		
11	Basic Charge:		
12	\$ 5.50		
13	\$ 13.60		
14			
15	Energy Charge:		
16		\$ 0.067545	\$ 0.064967
17	\$ 0.002912		
18	Basic Charge Revenue:		
19	\$ 5,247,023		
20	\$ 4,785,281		
21	\$ 10,032,305		
22	Energy Charge Revenue:		
23	\$ 158,100,994	\$ 85,483,656	\$ 72,617,338
24	\$ 6,939,113		
25	\$ 175,072,412		
26			
27	Proposed Rates Effective 2005		
28			
29	Basic Charge:		
30	\$6.50		Same as Residential Basic Charge
31	\$16.10		Same as Residential Basic Charge
32			
34	\$ 6,636,229		= From COS Ratespread Document
33	\$ 181,708,641		
35	3.79%		
36			
37	Basic Charge Revenue:		
38	\$ 6,201,027		
39	\$ 5,664,929		
40	\$ 11,865,956		
41			
42	\$ 169,842,684		
43			
44	Energy Charge:		
45	\$ 0.072561		Retain Current Seasonal Percentage Differential
46	\$ 0.069792		104%
47			
48	Energy Charge Revenue:		
49			
50	\$ 169,842,326		
51			
52	\$ 181,708,283		
53	\$ (358)		

Line No.	Total	Winter	Summer	
1	Basic Charges:			
		87,940		
2	kWh:			
3	First 20,000 kWh	1,443,691,610	725,287,983	718,403,628
4	All over 20,000 kWh	1,408,084,336		
5	All over 20,000 kWh - Temperature Adjustment	(2,777,653)		
6		2,848,998,293		
7	kW:			
8	First 50 kW	4,082,201	2,023,408	2,058,794
9	All over 50 kW	4,287,494	2,125,411	2,162,083
10		8,369,695		
11	kVarh			
12	All kVarh	745,499,708		
13		745,499,708		\$ 46,371,822.03
14				
15	Current Base Rates Effective 10-1-03			
16	Rates:			
17	Basic Charge:			
18	All Phases	\$ 24.90		
19	Energy Charge:			
20	First 20,000 kWh		\$ 0.069616	\$ 0.062652
21	All over 20,000 kWh	\$ 0.052260		
22	Schedule 95	\$ 0.002890		
23	Demand Charge:			
24	First 50 kW		\$ -	\$ -
25	All over 50 kW	\$ 5.54	\$ 6.66	\$ 4.44
26	Reactive Power Charge:	\$ 0.00233		
27	Revenue:			
28	Basic Charge Revenue:	\$ 2,189,703		
29	Energy Charge Revenue:			
30	First 20,000 kWh	\$ 95,501,072	\$ 50,491,648	\$ 45,009,424
31	All over 20,000 kWh	\$ 73,441,327		
32	Energy Revenue	\$ 168,942,400		
33	Schedule 95	\$ 8,234,083		
34	Demand Charge Revenue - Over 50 kW	\$ 23,754,884	\$ 14,155,237	\$ 9,599,647
35	Reactive Power Revenue	\$ 1,737,014		
36	Total Proforma Revenue	\$ 204,858,084		
37	Proposed Rates Effective 2005			
38				
39	Total Proposed Increase Sch 25 & Sch 29	\$ 5,890,848		= From COS Ratespread Document
40	Total Proforma Revenue Sch 25 & 29	\$ 205,778,188		
41				
42	Target Proposed \$ Increase	\$ 5,864,508		
43	Target Proposed Revenue 25	\$ 210,722,592		
44	Target Proposed % Increase	2.86%		
45				
46	Basic Charge:			
47	All Basic Charges	\$ 33.50		From COS Basic Charge Worksheet
48				
49	Basic Charge Revenue:			
50	Subtotal Basic Charge \$	\$ 2,945,986		
51				
52	Target Demand Revenue to Spread	\$ 38,854,993	Winter	Summer
53	Up to 50 kW	\$ -	\$ -	\$ -
54	All over 50 kW	\$ 5.54	6.85	4.57
55				Apply average increase
56	Demand Revenue:			
57	All over 50 kW	\$ 24,439,783		
58				
59	Target Reactive Power Revenue to Spread	\$ 1,785,318		
60	All kVarh	\$ 0.00239		From Demand Revenue Allocation Spreadsheet
61				
62	Reactive Power Revenue:	\$ 1,781,744		
63				
64	Remaining Revenue Requirement To Spread	\$ 181,555,079		
65	Proforma Energy Revenue	\$ 177,176,483		
66	Revenue Increase	\$ 4,378,596		
67	% Increase	2.47%		
68	Increase to Other Blocks			
69				
70	Energy Charge:		Winter	Summer
71	First 20,000 kWh		\$ 0.074298	\$ 0.067162
72	All Over 20,000 kWh		\$ 0.056513	\$ 0.056513
73				Spread remaining on equal percent increase
74	Energy Charge Revenue:			
75	First 20,000 kWh	\$ 102,136,871		
76	Over 20,000 kWh	\$ 79,418,097		
77	All kWh	\$ 181,554,968		
78				
79	Total Proposed Revenue	\$ 210,722,480		
80	Difference due to rounding	\$ (111)		

Puget Sound Energy
Rate Design Workpapers
Secondary Voltage
Schedule 29

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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	\$ 0.001884	\$ 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>			
39	Demand Charge Over 50 kW	\$ 40,445	\$ 13,487	\$ 26,957	
40	Reactive Power Revenue	\$ 945			
41	Total Proforma Revenue	<u>\$ 920,104</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	2.86%			
50	Target Proposed Revenue 29	\$ 946,444			
51	Target Proposed \$ Increase	\$ 26,340			
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	\$ 65,014	Winter	Summer	
58	All over 50 kW	\$ 4.07	6.85	3.38	
59					
60	Demand Revenue:				
61	All over 50 kW	\$ 41,651			
62					
63	Target Reactive Power Revenue to Spread	\$ 971			
64	All kVarh	\$ 0.00247			
65					
66	Reactive Power Revenue:				
67	All kVarh	\$ 973			
68					
69	Remaining Revenue Requirement To Spread	\$ 780,699			
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	\$	0.074298	\$ 0.049413	
76	All Over 20,000 kWh	\$	0.056513	\$ 0.042350	
77					
78	Energy Charge Revenue:				
79	All kWh	\$ 780,698			
80					
81	Total Proposed Revenue	\$ 946,443			
82	Difference due to rounding	\$ 2			

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 increas
Spread remainder to summer last block

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	\$ 0.002706		
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	\$ 5,106,074		
21	Demand Charge	\$ 25,132,641	\$ 14,768,248	\$ 10,364,394
22	Reactive Power	\$ 1,027,477		
23	Total Proforma Revenue	\$ 120,803,753		
24				
25	Proposed Rates Effective 2005			
26				
27	Target Proposed Revenue 26	\$ 123,267,952		
28	Target Proposed \$ Increase	\$ 2,464,199		
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	\$ 25,365,040	Winter	Summer
38	All Demand	\$ 5.78	6.98	4.64
39				
40	Demand Revenue:			
41	All kW	\$ 25,350,815		
42				
43	Target Reactive Power Revenue to Spread	\$ 1,056,049		
44	All kVarh	\$ 0.00113		
45				
46	Reactive Power Revenue:			
47	All kVarh	\$ 1,055,499		
48				
49	Remaining Revenue Requirement To Spread	\$ 96,174,435		
50				
51	Energy Charge:			
52	All kWh	\$ 0.050972		
53				
54	Energy Charge Revenue:			
55	All kWh	\$ 96,175,101		
56				
57	Total Proposed Revenue	\$ 123,268,618		
58	Difference due to rounding	\$ 666		

= 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

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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	\$ 0.002526			
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	\$ 4,186,792			
22	Demand Charge	\$ 20,977,169	\$ 12,353,538	\$ 8,623,631	
23	Reactive Power	\$ 744,731			
24	Total Proforma	\$ 97,635,591			
25					
26	Proposed Rates Effective 2005				
27					
28	Proposed Revenue Increase 31, 35	\$5,601,005			
29	Proforma Revenue 31, 35	\$ 97,837,860			
30	% Increase	5.72%			
31					
32	Target Proposed \$ Increase	\$ 5,589,426			
33	Target Proposed Revenue 31	\$ 103,225,017			
34	Target Proposed % Increase	5.72%			
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	\$ 21,267,813	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	\$ 822,885			
50		\$ 0.00090			
51	Reactive Power Revenue:				
52	All kVarh	\$ 827,479			
53					
54	Remaining Revenue Requirement To Spread	\$ 79,910,238			
55					
56	Energy Charge:				
57	All kWh	\$ 0.048210			
58					
59	Energy Charge Revenue:				
60	All kWh	\$ 79,909,598			
61					
62	Total Proposed Revenue	\$ 103,224,377			
63	Difference due to rounding	\$ (640)			

= From COS Ratespread Document

Leave unchanged (transformers already included in

From Demand Revenue Allocation Spreadsheet

From Demand Revenue Allocation Spreadsheet

Average Cents

Puget Sound Energy
Rate Design Workpapers
Primary Voltage
Schedule 35

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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 Schedule 95	\$ 0.033147 \$ 0.002413		
13	Demand Charge		\$ 3.33	\$ 2.22
14	Reactive Power Charge	\$ 0.00083		
15				
16	Revenue:			
17	Basic Charge	\$ 2,400		
18	Energy Charge Schedule 95	\$ 164,615 \$ 11,983		
19	Demand Charge	\$ 21,326	\$ 3,546	\$ 17,780
20	Reactive Power	\$ 1,946		
21	Total Proforma	\$ 202,269		
22				
23	Proposed Rates Effective 2005			
24				
25	Target Proposed % Increase	5.72%		
26	Target Proposed \$ Increase	\$ 11,579		
27	Target Proposed Revenue 35	\$ 213,849		
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	\$ 21,619		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	\$ 2,048		From Demand Revenue Allocation Spreadsheet
45	All kVarh	\$ 0.00087		
46				
47	Reactive Power Revenue:			
48	All kVarh	\$ 2,039		
49				
50	Remaining Revenue Requirement To Spread	\$ 186,546		
51				
52	Energy Charge:			
53	All kWh	\$ 0.037563		Average Cents
54				
55	Energy Charge Revenue:			
56	All kWh	\$ 186,545		
57				
58	Total Proposed Revenue	\$ 213,848		
59	Difference due to rounding	\$ (1)		

Puget Sound Energy
Rate Design Workpapers
Primary Voltage
Schedule 43

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Line No.		Total	
1	Basic Charges:	<u>2,388</u>	
2			
3	kWh	175,656,470	
4	Temperature Adjustment	<u>14,036,294</u>	
5	kWh:	<u>189,692,765</u>	
6			
7	kW:	<u>864,945</u>	
8			
9	kVarh	<u>82,811,957</u>	
10			
11	Current Base Rates Effective 10-1-03		
12	Rates:		
13	Basic Charge	\$ 200.00	
14	Energy Charge	\$ 0.040898	
	Schedule 95	\$ 0.002745	
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	\$ 520,711	
21	Demand Charge	\$ 3,139,749	
22	Reactive Power	\$ 194,608	
23	Total Proforma	<u>\$ 12,090,736</u>	
24			
25	Proposed Rates Effective 2005		
26			
27	Target Proposed % Increase	8.59%	
28	Target Proposed \$ Increase	\$ 1,038,371	
27	Target Proposed Revenue 43	\$ 13,129,107	
28			
29	Basic Charge:		
30	All Basic Charges	\$ 200.00	Same as Sch 31
31			
32	Basic Charge Revenue:		
33	Subtotal Basic Charge \$	<u>\$ 477,613</u>	
34			
35	Target Demand Revenue to Spread	\$ 3,180,125	From Demand Revenue Allocation Spreadsheet
36	All kW	\$ 3.68	
37			
38	Demand Revenue:		
39	All kW	<u>\$ 3,182,997</u>	
40			
41	Target Reactive Power Revenue to Spread	\$ 210,843	From Demand Revenue Allocation Spreadsheet
42	All kVarh	\$ 0.00255	
43			
44	Reactive Power Revenue:		
45	All kVarh	<u>\$ 211,170</u>	
46			
47	Remaining Revenue Requirement To Spread	\$ 9,257,326	
48			
49	Energy Charge:		
50	All kWh	\$ 0.048802	Average Cents
51			
52	Energy Charge Revenue:		
53	All kWh	<u>\$ 9,257,386</u>	
54			
55	Total Proposed Revenue	\$ 13,129,167	
56	Difference due to rounding	\$ 60	

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	\$ 0.001345
8	Demand Charge	\$ 1.58
9		
10	Revenue:	
11	Energy Charge	\$ 1,904,270
	Schedule 95	\$ 68,763
12	Demand Charge	\$ 266,108
13	Total Proforma	\$ 2,239,141
14		
15	Proposed Rates Effective 2005	
16		
18	Target Proposed \$ Increase Sch 46 & 49	\$ 1,926,475
17	Target Proposed Revenue 46 & 49	\$ 24,358,252
19	Target Proposed % Increase Sch 46 & 49	8.59%
20		
21	Target Demand Revenue to Spread	\$ 248,605
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	\$ 0.043810
31		
32	Energy Charge Revenue:	
33	All kWh	\$ 2,239,085
34		
35	Total Proposed Revenue Schedule 46	\$ 2,488,351

= From COS Ratespread Document

From Demand Revenue Allocation Spreadsheet

From Schedule 49

Puget Sound Energy
Rate Design Workpapers
High Voltage
Schedule 49

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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
8 Schedule 95	\$ 0.002600
8 Demand Charge	\$ 2.79
9	
10 Revenue:	
11 Energy Charge	\$ 15,818,130
11 Schedule 95	\$ 1,103,803
12 Demand Charge	\$ 3,270,703
13 Total Proforma	\$ 20,192,636
14	
Proposed Rates Effective 2005	
16	
17 Target Proposed Revenue 46 & 49	\$ 24,358,252
18 Target Proposed \$ Increase Sch 46 & 49	\$ 1,926,475
19 Target Proposed % Increase Sch 46 & 49	8.59%
20	
Target Demand Revenue to Spread	
21	\$ 3,055,574
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	\$ 20,838,284
29 Total Sch 46 & 49 kWh	475,654,212
30	
31	
Energy Charge Schedules 46 & 49:	
32	
33 All kWh	\$ 0.043810
34	
35 Energy Charge Revenue:	
36 All kWh	\$ 18,599,326
37	
38 Total Proposed Revenue Sch 49	\$ 21,870,028
39 Total Proposed Revenue Sch 46	\$ 2,488,351
40	
41 Difference due to rounding	\$ 127

= 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

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Line No.	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	<u>\$ 6,379,015</u>	<u>\$ 881,240</u>	<u>\$ 4,503,128</u>	<u>\$ 994,647</u>
12					
13	Proposed Rates Effective 2005				
14					
16	Target Proposed \$ Increase	\$ 182,613			= From COS Ratespread Document
15	Target Proposed Revenue 449 (PV & HV)	\$ 6,561,628			
17	Target Proposed % Increase	2.86%			
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	\$ 6,382,960			
26					
27	Target Demand Revenue to Spread				Adjust Primary Voltage Rate to reduce rounding residual
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	<u>\$ 6,562,040</u>	<u>\$ 889,882</u>	<u>\$ 4,646,397</u>	<u>\$ 1,025,761</u>
34					
35	Difference due to rounding	\$ 412			

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

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	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%		\$ 40,672,692		\$ 1,786,740	\$ 38,885,952	
Schedule 29	27,301	\$ 40,445	\$ 945	\$ 41,390	0.162%		\$ 66,038		\$ 972	\$ 65,066	
Subtotal Schedules 11, 25 & 29	8,396,996	\$ 23,795,328	\$ 1,737,959	\$ 25,533,288		\$ 40,738,730	\$ 40,738,730	2.9%	\$ 1,787,712	\$ 38,951,017	
Schedule 26 ¹	4,387,269	\$ 25,132,641	\$ 1,027,477	\$ 26,160,118	100.000%	\$ 26,446,324	\$ 26,446,324	2.9%	\$ 1,056,891	\$ 25,389,433	
Schedule 31 ²	3,946,815	\$ 20,977,169	\$ 744,731	\$ 21,721,900	86.612%		\$ 22,126,753	10.8%	\$ 825,317	\$ 21,301,436	5.397121
Schedule 35	9,074	\$ 21,326	\$ 1,946	\$ 23,271	0.093%		\$ 23,705	5.4%	\$ 2,051	\$ 21,654	
Schedule 43	864,945	\$ 3,139,749	\$ 194,608	\$ 3,334,358	13.295%		\$ 3,396,503	8.6%	\$ 211,321	\$ 3,185,182	
Subtotal Schedules 31, 35, & 43	4,820,833	\$ 24,138,244	\$ 941,285	\$ 25,079,529		\$ 25,546,961	\$ 25,546,961		\$ 1,038,689	\$ 24,508,272	
Schedule 46	168,423	\$ 266,108	\$ -	\$ 266,108	7.524%		\$ 249,169		\$ -	\$ 249,169	
Schedule 49	1,172,295	\$ 3,270,703	\$ -	\$ 3,270,703	92.476%		\$ 3,062,503		\$ -	\$ 3,062,503	
Subtotal Schedules 46 & 49	1,340,718	\$ 3,536,811	\$ -	\$ 3,536,811		\$ 3,311,672	\$ 3,311,672	8.6%	\$ -	\$ 3,311,672	
Schedule 449 Primary Voltage	216,056	\$ 864,224	\$ -	\$ 864,224	13.938%		\$ 641,724		\$ -	\$ 641,724	
Schedule 449 High Voltage Voltage	2,865,370	\$ 4,384,016	\$ -	\$ 4,384,016	70.706%		\$ 3,255,322		\$ -	\$ 3,255,322	
Schedule 459 High Voltage Voltage	622,292	\$ 952,107	\$ -	\$ 952,107	15.356%		\$ 706,981		\$ -	\$ 706,981	
Subtotal Schedule 449	3,703,718	\$ 6,200,347	\$ -	\$ 6,200,347		\$ 4,604,027	\$ 3,897,046	2.9%	\$ -	\$ 3,897,046	
Total Related Demand	22,649,533	\$ 82,803,371	\$ 3,706,721	\$ 86,510,093		\$ 100,647,714	\$ 99,940,733		\$ 3,883,292	\$ 96,057,441	

(1) No increase to the demand charge since above target and trying to move towards line-up with Schedule 31

(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

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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	\$ 52,713,330	\$ 26,108,420	\$ 24,926,616	\$ 3,000,429	\$ 3,880,713
2	Total Cost of Service Revenue	COS TMP2, Line 6	\$ 202,085,273	\$ 122,842,208	\$ 118,599,401	\$ 26,263,326	\$ 8,997,145
3	Ratio Cost of Service Demand to Total Revenue	Line 1 / Line 2	0.26085	0.21254	0.21017	0.11424	0.43133
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	\$ 205,778,188	\$ 120,803,753	\$ 109,928,597	\$ 22,431,777	\$ 6,379,015
6	Ratio Proforma Demand Revenue to Total Revenue	Line 4 / Line 5	0.12408	0.21655	0.22814	0.15767	0.97199
7	Move 1/2 Distance toward Parity	Line 6 + 1/2 * (Line 3 - Line 6)	0.19246	0.21454	0.21916	0.13596	0.70166
8	Total Proposed Revenue	Target Proposed Revenue, Column (Last - 3)	\$ 211,669,036	\$ 123,267,952	\$ 116,567,973	\$ 24,358,252	\$ 6,561,628
9	Proposed Demand Revenue	Line 7 * Line 8	\$ 40,738,730	\$ 26,446,324	\$ 25,546,961	\$ 3,311,672	\$ 4,604,027