

Exhibit No. \_\_\_\_ (JOINT-4)  
Docket Nos. UE-060266/UG-060267  
Witness: Joelle R. Steward  
Jim Lazar  
Donald W. Schoenbeck

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION  
COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**PUGET SOUND ENERGY, INC.**

**Respondent.**

**DOCKET NO. UE-060266**

**DOCKET NO. UG-060267**

**EXHIBIT TO JOINT TESTIMONY OF**

**JOELLE R. STEWARD  
JIM LAZAR AND  
DONALD W. SCHOENBECK**

*PSE Response to Public Counsel Data Request No. PC-005*

**July 25, 2006**

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Docket Nos. UE-060266 & UG-060267  
Puget Sound Energy, Inc.'s  
2006 General Rate Case**

**PUBLIC COUNSEL DATA REQUEST NO. PC-005**

**PUBLIC COUNSEL DATA REQUEST NO. PC-005:**

Provide a complete copy of the Commission-Basis cost of service study included in the Phelps workpapers.

**Response:**

Attached as Attachments A and B to Puget Sound Energy, Inc.'s ("PSE") Response to Public Counsel Data Request No. PC-005, please find copies of the Commission Basis cost of service study. Attachment A corresponds to the third exhibit to the prefiled direct testimony of Janet K. Phelps, Exhibit No. \_\_\_(JKP-4) and Attachment B corresponds to the fourth exhibit to Ms. Phelps' prefiled direct testimony, Exhibit No. \_\_\_(JKP-5). Please note that the cost of service study has been revised to reflect changes discussed in PSE's Response to WUTC Staff Data Request No. 145.

Attached as Attachments C and D to PSE's Response to Public Counsel Data Request No. PC-005, please find copies of Version 2 of PSE's proposed cost of service study, which has been revised to reflect changes discussed in PSE's Response to WUTC Staff Data Request No. 145. Attachment C corresponds to the third exhibit to the prefiled direct testimony of Janet K. Phelps, Exhibit No. \_\_\_(JKP-4) and Attachment D corresponds to the fourth exhibit to Ms. Phelps' prefiled direct testimony, Exhibit No. \_\_\_(JKP-5).

PSE' Response to Public Counsel Data Request No. PC-005  
Date of Response: May 8, 2006  
Person who Prepared the Response: Janet K. Phelps  
Witness Knowledgeable About the Response: Janet K. Phelps

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**ATTACHMENT A to PSE's Response to  
PUBLIC COUNSEL Data Request No. PC-005**

Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Excluding Gas Costs and Revenues  
 Summary

Line No.	Description (a)	Total Company (b)	Residential (23,16,53,94) (c)	Comm. & Indus. (31,36,51,61,97) (d)	Large Volume (41) (e)	Interruptible (f5) (f)	Limited Interruptible (f6) (g)	Non-Exclusive Interruptible (f7) (h)	Transportation (57) (i)	Transport Contracts (59,199,299) (k)	CNG Service (50) (l)	Rentals (m)
1	Rate Base											
2	Plant in Service	2,007,824,275	1,333,655,743	446,341,958	58,353,240	8,589,219	19,980,088	14,825,542	58,957,426	14,582,044	3,814,519	48,734,517
3	Accumulated Reserve	(650,209,813)	(437,942,287)	(147,086,306)	(17,237,703)	(2,628,365)	(6,980,073)	(4,274,894)	(17,065,473)	(4,111,797)	(1,407,829)	(12,515,087)
4	Other Rate Base Items	(177,262,719)	(111,819,265)	(45,225,333)	(9,178,127)	(669,957)	(1,684,334)	(1,218,597)	(5,225,078)	(1,299,500)	5,394	(4,947,993)
	<b>TOTAL RATE BASE</b>	<b>\$ 1,180,351,744</b>	<b>\$ 784,904,291</b>	<b>\$ 294,090,319</b>	<b>\$ 39,977,411</b>	<b>\$ 5,270,898</b>	<b>\$ 12,315,661</b>	<b>\$ 9,332,051</b>	<b>\$ 36,668,875</b>	<b>\$ 9,170,748</b>	<b>\$ 2,412,083</b>	<b>\$ 31,271,496</b>
5	Revenue											
6	Base Rates	\$ 283,275,750	\$ 193,547,555	\$ 59,906,061	\$ 9,928,869	\$ 1,790,679	\$ 3,944,864	\$ 2,079,199	\$ 11,449,845	\$ 1,615,763	\$ 12,806	\$ -
7	Other Revenues	\$ 17,339,147	\$ 6,689,573	\$ 1,629,892	\$ 201,442	\$ 123,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ -	\$ -
8	<b>TOTAL REVENUE</b>	<b>\$ 300,614,897</b>	<b>\$ 200,237,128</b>	<b>\$ 60,535,943</b>	<b>\$ 10,130,311</b>	<b>\$ 1,920,377</b>	<b>\$ 4,056,671</b>	<b>\$ 2,211,043</b>	<b>\$ 11,951,555</b>	<b>\$ 1,712,506</b>	<b>\$ 12,801</b>	<b>\$ 7,846,352</b>
9	Expenses											
10	Gas Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	Other Operation and Maintenance	\$ 99,817,010	\$ 71,020,241	\$ 18,487,661	\$ 2,139,998	\$ 567,237	\$ 829,583	\$ 904,363	\$ 3,843,398	\$ 928,476	\$ 376,646	\$ 719,409
12	Depreciation Expense	\$ 77,130,217	\$ 46,340,183	\$ 15,757,083	\$ 2,108,236	\$ 306,463	\$ 721,488	\$ 540,941	\$ 1,956,480	\$ 480,095	\$ 66,116	\$ 8,853,141
13	Taxes Other Than Income	\$ 26,278,451	\$ 17,181,110	\$ 5,978,919	\$ 792,558	\$ 118,317	\$ 272,953	\$ 200,389	\$ 816,134	\$ 202,126	\$ 3,661	\$ 713,367
14	Deferred Income Taxes & ITC	\$ 8,180,050	\$ 5,355,578	\$ 1,826,796	\$ 255,470	\$ 35,629	\$ 86,438	\$ 64,245	\$ 256,036	\$ 63,826	\$ 123	\$ 236,010
15	Income Taxes	\$ 10,947,849	\$ 7,385,061	\$ 2,283,371	\$ 572,132	\$ 104,360	\$ 250,979	\$ 83,552	\$ 599,910	\$ 11,445	\$ (48,722)	\$ (274,240)
	<b>TOTAL EXPENSES</b>	<b>\$ 222,353,577</b>	<b>\$ 141,282,182</b>	<b>\$ 44,333,831</b>	<b>\$ 5,868,983</b>	<b>\$ 1,131,907</b>	<b>\$ 2,161,431</b>	<b>\$ 1,773,486</b>	<b>\$ 7,470,958</b>	<b>\$ 1,685,967</b>	<b>\$ 397,724</b>	<b>\$ 10,247,667</b>
16	Operating Income	\$ 78,261,320	\$ 59,954,946	\$ 16,207,112	\$ 4,261,637	\$ 788,471	\$ 1,895,229	\$ 437,547	\$ 4,480,697	\$ 26,539	\$ (384,823)	\$ (2,401,335)
17	Present Rate of Return	6.9303%	6.7544%	6.3780%	11.8792%	14.9589%	15.3686%	4.6885%	12.2209%	0.2894%	-15.9340%	-7.6790%
18	Revenue/Cost Ratio	0.881	0.886	0.885	1.097	1.196	1.244	0.809	1.097	0.639	0.018	0.562
19	Cost of Service Requirement Given Equal Rates of Return											
20	Required Return	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
21	Operating Income (Deficiency)/Surplus	\$ (25,137,482)	\$ 88,678,768	\$ 22,253,056	\$ 3,142,861	\$ 461,731	\$ 1,078,852	\$ 817,488	\$ 3,212,018	\$ 803,357	\$ 211,286	\$ 2,739,383
			\$ (16,723,622)	\$ (6,050,944)	\$ 1,119,076	\$ 326,740	\$ 816,374	\$ (379,941)	\$ 1,268,679	\$ (776,819)	\$ (596,121)	\$ (5,140,719)
22	Expenses											
23	Gas Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24	Other Operation and Maintenance	\$ 100,031,457	\$ 71,173,357	\$ 18,540,632	\$ 2,142,691	\$ 567,723	\$ 830,653	\$ 904,927	\$ 3,846,503	\$ 928,914	\$ 376,649	\$ 719,409
25	Depreciation Expense	\$ 77,130,217	\$ 46,340,193	\$ 15,757,083	\$ 2,108,236	\$ 306,463	\$ 721,488	\$ 540,941	\$ 1,956,480	\$ 480,095	\$ 66,116	\$ 8,853,141
26	Taxes Other Than Income	\$ 27,830,917	\$ 18,203,519	\$ 6,329,850	\$ 839,287	\$ 124,655	\$ 288,822	\$ 211,926	\$ 861,140	\$ 213,456	\$ 3,584	\$ 754,478
27	Deferred Income Taxes & ITC	\$ 8,180,050	\$ 5,355,578	\$ 1,826,796	\$ 255,470	\$ 35,629	\$ 86,438	\$ 64,245	\$ 256,036	\$ 63,826	\$ 123	\$ 236,010
28	Income Taxes	\$ 24,483,422	\$ 16,282,191	\$ 5,269,219	\$ 744,186	\$ 109,331	\$ 255,457	\$ 83,552	\$ 599,910	\$ 11,445	\$ (48,722)	\$ (274,240)
	<b>TOTAL EXPENSES</b>	<b>\$ 237,656,063</b>	<b>\$ 157,334,837</b>	<b>\$ 47,723,960</b>	<b>\$ 6,089,870</b>	<b>\$ 1,143,902</b>	<b>\$ 2,162,838</b>	<b>\$ 1,915,608</b>	<b>\$ 7,680,721</b>	<b>\$ 1,876,515</b>	<b>\$ 496,803</b>	<b>\$ 11,211,686</b>
29	REVENUE REQUIREMENT	\$ 341,054,875	\$ 226,013,605	\$ 69,976,636	\$ 9,232,731	\$ 1,605,633	\$ 3,261,690	\$ 2,733,096	\$ 10,882,739	\$ 2,679,872	\$ 707,803	\$ 13,951,069
30	Other Revenues	\$ 9,524,424	\$ 6,689,573	\$ 1,629,892	\$ 201,442	\$ 123,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ 95	\$ -
31	<b>RATE SCHEDULE REVENUE REQUIREMENT</b>	<b>\$ 331,530,452</b>	<b>\$ 219,324,032</b>	<b>\$ 68,346,754</b>	<b>\$ 9,031,289</b>	<b>\$ 1,729,331</b>	<b>\$ 3,149,883</b>	<b>\$ 2,601,251</b>	<b>\$ 10,391,030</b>	<b>\$ 2,583,129</b>	<b>\$ 707,708</b>	<b>\$ 13,919,440</b>
	Revenue (Deficiency)/Surplus	\$ (40,436,978)	\$ (25,776,477)	\$ (9,440,663)	\$ 897,600	\$ 314,744	\$ 794,971	\$ (522,053)	\$ 1,058,915	\$ (967,366)	\$ (684,902)	\$ (6,104,717)
32	Proposed Revenue Requirement											
33	Proposed Return	8.7623%	8.1504%	8.6196%	11.7888%	14.3493%	14.3999%	4.6830%	11.4594%	0.2311%	-14.4443%	-4.0743%
34	Proposed Operating Income	\$ 103,429,375	\$ 71,739,681	\$ 21,896,283	\$ 4,229,617	\$ 756,317	\$ 1,766,054	\$ 437,023	\$ 4,201,801	\$ 21,196	\$ (348,408)	\$ (1,274,089)
35	Income Taxes	\$ 24,483,422	\$ 16,986,973	\$ 5,184,740	\$ 1,001,492	\$ 179,086	\$ 418,177	\$ 103,481	\$ 994,929	\$ 5,019	\$ (82,498)	\$ (301,687)
36	Expenses Other Than Income Taxes	\$ 213,172,641	\$ 141,072,646	\$ 42,545,362	\$ 5,345,683	\$ 1,034,571	\$ 1,927,361	\$ 1,722,039	\$ 6,920,159	\$ 1,688,291	\$ 446,472	\$ 10,563,037
37	<b>RATE SCHEDULE REVENUE REQUIREMENT</b>	<b>\$ 331,563,304</b>	<b>\$ 223,109,727</b>	<b>\$ 67,905,802</b>	<b>\$ 10,375,250</b>	<b>\$ 1,840,276</b>	<b>\$ 3,999,806</b>	<b>\$ 2,130,697</b>	<b>\$ 11,615,180</b>	<b>\$ 1,615,763</b>	<b>\$ 15,471</b>	<b>\$ 8,955,633</b>
38	Other Revenues	\$ 9,524,424	\$ 6,689,573	\$ 1,629,892	\$ 201,442	\$ 123,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ 95	\$ -
	<b>REVENUE REQUIREMENT</b>	<b>\$ 341,087,728</b>	<b>\$ 229,799,300</b>	<b>\$ 69,535,694</b>	<b>\$ 10,576,692</b>	<b>\$ 1,969,973</b>	<b>\$ 4,111,613</b>	<b>\$ 2,262,542</b>	<b>\$ 12,116,890</b>	<b>\$ 1,712,506</b>	<b>\$ 15,566</b>	<b>\$ 8,967,262</b>
39	Revenue/Cost Ratio	1.000	1.017	0.994	1.146	1.227	1.261	0.828	1.112	0.639	0.022	0.644

Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Excluding Gas Costs and Revenues  
 Functional Rate Base

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (86)	Non-Exclusive Interruptible (87)	Transportation (97)	Transport Contracts (99,199,299)	CNG Service (50)	Rentals
<b>Production</b>											
Demand	\$ 2,222,887	\$ 1,492,037	\$ 564,996	\$ 95,780	\$ 15,796	\$ 22,820	\$ 31,527	\$ -	\$ -	\$ -	\$ -
Commodity	\$ 1,538,908	\$ 887,279	\$ 356,940	\$ 68,478	\$ 26,929	\$ 32,130	\$ 66,309	\$ 65,244	\$ 14,544	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41	\$ -
Sub-total	\$ 3,761,894	\$ 2,379,316	\$ 921,936	\$ 165,257	\$ 42,724	\$ 54,949	\$ 97,836	\$ 65,244	\$ 14,544	\$ -	\$ -
<b>Storage</b>											
Demand	\$ 23,671,803	\$ 16,401,894	\$ 5,614,117	\$ 437,870	\$ 227,638	\$ 471,006	\$ 519,579	\$ -	\$ -	\$ (301)	\$ -
Commodity	\$ 2,480,273	\$ 1,216,196	\$ 480,083	\$ 122,849	\$ 36,972	\$ 44,113	\$ 91,039	\$ 390,021	\$ 86,944	\$ 76	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 26,152,076	\$ 17,620,090	\$ 6,104,181	\$ 560,719	\$ 264,610	\$ 515,118	\$ 610,618	\$ 390,021	\$ 86,944	\$ (225)	\$ -
<b>Transmission</b>											
Demand	\$ 100,428,762	\$ 57,538,645	\$ 22,249,733	\$ 4,410,273	\$ 995,723	\$ 1,289,205	\$ 2,264,109	\$ 9,309,679	\$ 2,369,144	\$ 2,251	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 100,428,762	\$ 57,538,645	\$ 22,249,733	\$ 4,410,273	\$ 995,723	\$ 1,289,205	\$ 2,264,109	\$ 9,309,679	\$ 2,369,144	\$ 2,251	\$ -
<b>Distribution</b>											
Demand	\$ 553,451,705	\$ 329,879,352	\$ 128,191,701	\$ 25,601,685	\$ 3,024,704	\$ 7,608,238	\$ 5,978,086	\$ 24,610,704	\$ 6,202,535	\$ 2,354,702	\$ -
Commodity	\$ 489,554	\$ 225,712	\$ 90,801	\$ 22,762	\$ 6,850	\$ 8,173	\$ 16,868	\$ 72,264	\$ 16,109	\$ 14	\$ -
Customer	\$ 516,097,752	\$ 376,361,086	\$ 98,471,978	\$ 5,086,715	\$ 936,285	\$ 2,839,976	\$ 354,537	\$ 2,218,962	\$ 481,470	\$ 55,244	\$ 31,271,498
Sub-total	\$ 1,050,009,011	\$ 706,466,150	\$ 224,754,479	\$ 30,721,182	\$ 3,967,840	\$ 10,456,388	\$ 6,359,489	\$ 26,901,930	\$ 6,700,114	\$ 2,409,961	\$ 31,271,498
<b>Gas Costs</b>											
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>											
Demand	\$ 659,776,257	\$ 405,311,928	\$ 166,620,637	\$ 30,545,607	\$ 4,263,961	\$ 9,391,269	\$ 8,793,299	\$ 33,920,383	\$ 6,571,680	\$ 2,386,693	\$ -
Commodity	\$ 4,478,735	\$ 2,331,187	\$ 937,804	\$ 235,088	\$ 70,752	\$ 84,415	\$ 174,216	\$ 527,530	\$ 117,598	\$ 145	\$ -
Customer	\$ 516,097,752	\$ 376,361,086	\$ 98,471,978	\$ 5,086,715	\$ 936,285	\$ 2,839,976	\$ 364,537	\$ 2,218,962	\$ 481,470	\$ 55,244	\$ 31,271,498
<b>TOTAL RATE BASE</b>	\$ 1,180,351,744	\$ 784,004,201	\$ 264,030,319	\$ 35,877,411	\$ 5,270,998	\$ 12,315,661	\$ 9,332,051	\$ 35,666,875	\$ 9,170,748	\$ 2,412,083	\$ 31,271,498

**Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2**  
**Excluding Gas Costs and Revenues**  
**Functional Revenue Requirement**

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (88)	Non-Exclusive Interruptible (87)	Transportation (57)	Transport Contracts (89,195,299)	CNG Service (50)	Rentals
<b>Production</b>											
Demand	\$ 980,755	\$ 658,269	\$ 249,265	\$ 42,257	\$ 6,969	\$ 10,688	\$ 13,909	\$ -	\$ -	\$ 18	\$ -
Commodity	\$ 874,975	\$ 507,016	\$ 203,966	\$ 51,130	\$ 15,388	\$ 18,360	\$ 37,891	\$ 33,684	\$ 7,509	\$ 32	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 1,855,729	\$ 1,165,285	\$ 453,231	\$ 93,387	\$ 22,357	\$ 28,428	\$ 51,800	\$ 33,684	\$ 7,509	\$ 50	\$ -
<b>Storage</b>											
Demand	\$ 5,658,203	\$ 3,920,498	\$ 1,341,926	\$ 104,663	\$ 54,412	\$ 112,583	\$ 124,194	\$ -	\$ -	\$ (72)	\$ -
Commodity	\$ 457,910	\$ 224,904	\$ 90,478	\$ 22,880	\$ 6,826	\$ 8,144	\$ 16,808	\$ 72,006	\$ 16,052	\$ 14	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 6,116,113	\$ 4,145,402	\$ 1,432,402	\$ 127,543	\$ 61,237	\$ 120,727	\$ 141,001	\$ 72,006	\$ 16,052	\$ (58)	\$ -
<b>Transmission</b>											
Demand	\$ 18,478,536	\$ 10,586,907	\$ 4,093,872	\$ 811,475	\$ 183,210	\$ 237,209	\$ 416,588	\$ 1,712,948	\$ 435,914	\$ 414	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 18,478,536	\$ 10,586,907	\$ 4,093,872	\$ 811,475	\$ 183,210	\$ 237,209	\$ 416,588	\$ 1,712,948	\$ 435,914	\$ 414	\$ -
<b>Distribution</b>											
Demand	\$ 125,811,486	\$ 77,272,490	\$ 30,350,609	\$ 6,030,055	\$ 752,176	\$ 1,811,878	\$ 1,439,788	\$ 5,984,010	\$ 1,502,826	\$ 865,008	\$ 22,646
Commodity	\$ 14,616,125	\$ 7,897,126	\$ 3,004,226	\$ 710,547	\$ 202,812	\$ 258,025	\$ 476,084	\$ 1,660,651	\$ 406,356	\$ 496	\$ -
Customer	\$ 173,976,886	\$ 124,946,394	\$ 30,642,286	\$ 1,459,924	\$ 384,041	\$ 805,423	\$ 207,935	\$ 3,249,440	\$ 311,216	\$ 41,893	\$ 13,928,423
Sub-total	\$ 314,604,497	\$ 210,116,011	\$ 63,997,131	\$ 8,200,526	\$ 1,338,829	\$ 2,875,326	\$ 2,123,707	\$ 9,074,102	\$ 2,220,397	\$ 707,397	\$ 13,951,069
<b>Gas Costs</b>											
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>											
Demand	\$ 150,928,960	\$ 92,438,163	\$ 36,035,672	\$ 6,988,449	\$ 998,766	\$ 2,171,738	\$ 1,994,479	\$ 7,676,988	\$ 1,938,740	\$ 865,388	\$ 22,646
Commodity	\$ 16,148,009	\$ 8,629,047	\$ 3,298,668	\$ 784,558	\$ 224,926	\$ 284,529	\$ 530,782	\$ 1,666,341	\$ 429,917	\$ 542	\$ -
Customer	\$ 173,976,886	\$ 124,946,394	\$ 30,642,286	\$ 1,459,924	\$ 384,041	\$ 805,423	\$ 207,935	\$ 3,249,440	\$ 311,216	\$ 41,893	\$ 13,928,423
<b>TOTAL REVENUE REQUIREMENT</b>	\$ 341,054,875	\$ 226,013,605	\$ 69,976,638	\$ 9,232,731	\$ 1,695,633	\$ 3,261,690	\$ 2,733,096	\$ 10,692,739	\$ 2,679,872	\$ 707,803	\$ 13,951,069
<b>TOTAL FIXED COSTS</b>	\$ 324,905,866	\$ 217,384,558	\$ 66,877,969	\$ 8,448,373	\$ 1,390,807	\$ 2,977,161	\$ 2,202,314	\$ 6,926,398	\$ 2,249,956	\$ 707,261	\$ 13,951,069

Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Excluding Gas Costs and Revenues  
 Unit Costs

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (86)	Non-Exclusive Interruptible (87)	Transportation (87)	Transport Contracts (99,199,289)	CNG Service (50)	Rentals
<b>Production</b>											
Demand (per Peak Day therm per month)	\$ 0.011	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ -	\$ -	\$ 0.012	\$ -
Commodity (per therm)	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ -	\$ -	\$ 0.001	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Storage</b>											
Demand (per Peak Day therm per month)	\$ 0.068	\$ 0.073	\$ 0.086	\$ 0.030	\$ 0.095	\$ 0.136	\$ 0.109	\$ -	\$ -	\$ (0.048)	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Transmission</b>											
Demand (per Peak Day therm per month)	\$ 0.215	\$ 0.186	\$ 0.200	\$ 0.234	\$ 0.321	\$ 0.287	\$ 0.365	\$ 0.395	\$ 0.315	\$ 0.276	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Distribution</b>											
Demand (per Peak Day therm per month)	\$ 1.461	\$ 1.432	\$ 1.465	\$ 1.741	\$ 1.317	\$ 2.195	\$ 1.263	\$ 1.377	\$ 1.086	\$ 443.339	\$ -
Commodity (per therm)	\$ 0.014	\$ 0.015	\$ 0.015	\$ 0.014	\$ 0.013	\$ 0.014	\$ 0.012	\$ 0.011	\$ 0.011	\$ 0.011	\$ -
Customer (per customer per month)	\$ 21.387	\$ 16.665	\$ 49.866	\$ 99.538	\$ 932.139	\$ 136.953	\$ 1,161.092	\$ 916.031	\$ 1,620.915	\$ 734.968	\$ -
<b>Gas Costs</b>											
Demand (per Peak Day therm per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>											
Demand (per Peak Day therm per month)	\$ 1.762	\$ 1.713	\$ 1.763	\$ 2.017	\$ 1.745	\$ 2.631	\$ 1.749	\$ 1.772	\$ 1.401	\$ 443.379	\$ -
Commodity (per therm)	\$ 0.016	\$ 0.017	\$ 0.016	\$ 0.015	\$ 0.015	\$ 0.015	\$ 0.014	\$ 0.012	\$ 0.012	\$ 0.012	\$ -
Customer (per customer per month)	\$ 21.387	\$ 16.665	\$ 49.866	\$ 99.538	\$ 932.139	\$ 136.953	\$ 1,161.092	\$ 916.031	\$ 1,620.915	\$ 734.968	\$ -
TDAY	86,124,324	53,865,944	20,436,300	3,464,472	571,344	825,420	1,140,372	4,332,466	1,363,504	1,500	0
COM1	1,038,450,901	510,039,280	205,181,707	51,434,876	15,479,708	18,469,221	38,116,540	163,295,477	36,402,261	31,831	0
CUST	8,134,612	7,497,375	614,488	14,667	412	5,881	179	1,361	192	57	0

Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Including Gas Costs and Revenues  
 Summary

Line No.	Description	Total Company (b)	Residential (23,16,53,94) (c)	Comm. & Indus. (31,36,51,61,97) (d)	Large Volume (41) (e)	Interruptible (85) (f)	Limited Interruptible (86) (g)	Non-Exclusive Interruptible (87) (h)	Transportation (57) (i)	Transport Contracts (99,199,299) (k)	CMG Service (50) (l)	Rentals (m)
1	Rate Base											
2	Plant in Service	2,007,824,275	1,333,665,743	446,341,958	58,363,240	8,589,219	19,980,088	14,925,542	59,957,426	14,582,044	3,814,519	48,734,517
3	Accumulated Reserve	(650,209,813)	(437,842,287)	(147,086,306)	(17,297,703)	(2,628,365)	(5,980,073)	(4,274,894)	(17,065,473)	(4,111,797)	(1,407,829)	(12,515,087)
4	Other Rate Base Items	(177,262,719)	(111,819,265)	(45,225,333)	(6,178,127)	(669,957)	(1,684,334)	(1,218,597)	(5,225,078)	(1,299,500)	5,304	(4,947,933)
	TOTAL RATE BASE	\$ 1,160,351,744	\$ 784,004,201	\$ 254,030,319	\$ 35,877,411	\$ 5,270,898	\$ 12,315,681	\$ 9,332,051	\$ 35,666,875	\$ 9,179,748	\$ 2,412,083	\$ 31,271,498
5	Revenue											
6	Gas Revenues	\$ 660,266,805	\$ 404,002,845	\$ 160,790,645	\$ 40,776,395	\$ 11,968,165	\$ 14,330,944	\$ 28,299,738	\$ 94,711	\$ -	\$ -	\$ -
7	Base Rate Revenues	\$ 283,275,750	\$ 193,547,565	\$ 58,908,061	\$ 9,928,899	\$ 1,790,679	\$ 3,944,864	\$ 2,079,198	\$ 11,449,945	\$ 1,615,763	\$ 12,806	\$ -
8	Other Revenues	\$ 17,339,147	\$ 6,889,573	\$ 1,629,852	\$ 201,442	\$ 129,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ 95	\$ 7,846,352
	TOTAL REVENUE	\$ 960,901,702	\$ 604,239,973	\$ 221,326,558	\$ 50,906,717	\$ 13,898,542	\$ 16,387,605	\$ 30,510,781	\$ 12,046,366	\$ 1,712,506	\$ 36,272	\$ 7,846,352
9	Expenses											
10	Gas Expenses	\$ 631,255,371	\$ 387,224,014	\$ 154,194,060	\$ 37,060,024	\$ 11,254,149	\$ 13,737,644	\$ 27,626,833	\$ 111,377	\$ 24,828	\$ 22,441	\$ -
11	Other Operation and Maintenance	\$ 103,316,710	\$ 73,162,790	\$ 19,340,382	\$ 2,356,247	\$ 630,708	\$ 905,584	\$ 1,054,445	\$ 3,643,900	\$ 928,476	\$ 376,770	\$ 719,409
12	Depreciation Expense	\$ 77,130,217	\$ 46,340,193	\$ 15,757,083	\$ 2,108,236	\$ 306,463	\$ 721,458	\$ 540,941	\$ 1,956,480	\$ 480,095	\$ 66,116	\$ 8,863,141
13	Taxes Other Than Income	\$ 51,893,185	\$ 32,801,723	\$ 12,195,827	\$ 2,389,161	\$ 691,061	\$ 827,064	\$ 1,294,594	\$ 818,796	\$ 202,126	\$ 4,464	\$ 713,367
14	Deferred Income Taxes & ITC	\$ 8,180,050	\$ 5,355,578	\$ 1,826,796	\$ 255,470	\$ 35,529	\$ 66,438	\$ 64,245	\$ 256,036	\$ 63,826	\$ 123	\$ 236,010
15	Income Taxes	\$ 10,947,849	\$ 7,274,409	\$ 2,230,155	\$ 788,360	\$ 125,471	\$ 246,842	\$ (678)	\$ 597,568	\$ 8,654	\$ (48,733)	\$ (274,240)
	TOTAL EXPENSES	\$ 882,640,392	\$ 552,156,707	\$ 205,544,344	\$ 44,957,498	\$ 12,933,382	\$ 16,525,040	\$ 30,580,379	\$ 7,884,158	\$ 1,708,005	\$ 421,181	\$ 10,247,687
16	Operating Income	\$ 78,261,320	\$ 52,081,266	\$ 15,782,243	\$ 5,969,219	\$ 955,160	\$ 1,862,565	\$ (69,598)	\$ 4,462,208	\$ 4,501	\$ (384,909)	\$ (2,401,335)
17	Present Rate of Return	6.630%	6.830%	6.212%	16.637%	18.121%	15.123%	-0.745%	12.165%	0.049%	-15.957%	-7.670%
18	Revenue/Cost Ratio	0.960	0.968	0.957	1.059	1.038	1.043	0.985	1.084	0.633	0.050	0.562
19	Cost of Service Requirement Given Equal Rates of Return											
20	Required Return	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%	8.7600%
21	Operating Income (Deficiency)/Surplus	\$ (25,137,492)	\$ 68,678,768	\$ 22,253,056	\$ 3,142,861	\$ 461,731	\$ 1,078,852	\$ 817,488	\$ 3,212,018	\$ 803,357	\$ 211,238	\$ 2,739,383
	Operating Income (Deficiency)/Surplus	\$ (25,137,492)	\$ (16,597,502)	\$ (6,470,813)	\$ 2,826,358	\$ 493,429	\$ 783,713	\$ (887,086)	\$ 1,250,190	\$ (798,856)	\$ (596,206)	\$ (5,140,719)
22	Expenses											
23	Gas Expenses	\$ 631,255,371	\$ 387,224,014	\$ 154,194,060	\$ 37,060,024	\$ 11,254,149	\$ 13,737,644	\$ 27,626,833	\$ 111,377	\$ 24,828	\$ 22,441	\$ -
24	Other Operation and Maintenance	\$ 103,316,710	\$ 73,162,790	\$ 19,340,382	\$ 2,356,247	\$ 630,708	\$ 905,584	\$ 1,054,445	\$ 3,643,900	\$ 928,476	\$ 376,770	\$ 719,409
25	Depreciation Expense	\$ 77,130,217	\$ 46,340,193	\$ 15,757,083	\$ 2,108,236	\$ 306,463	\$ 721,458	\$ 540,941	\$ 1,956,480	\$ 480,095	\$ 66,116	\$ 8,863,141
26	Taxes Other Than Income	\$ 51,893,185	\$ 32,801,723	\$ 12,195,827	\$ 2,389,161	\$ 691,061	\$ 827,064	\$ 1,294,594	\$ 818,796	\$ 202,126	\$ 4,464	\$ 713,367
27	Deferred Income Taxes & ITC	\$ 8,180,050	\$ 5,355,578	\$ 1,826,796	\$ 255,470	\$ 35,529	\$ 66,438	\$ 64,245	\$ 256,036	\$ 63,826	\$ 123	\$ 236,010
	Income Taxes	\$ 10,947,849	\$ 7,274,409	\$ 2,230,155	\$ 788,360	\$ 125,471	\$ 246,842	\$ (678)	\$ 597,568	\$ 8,654	\$ (48,733)	\$ (274,240)
	TOTAL EXPENSES	\$ 897,942,866	\$ 562,322,014	\$ 208,987,270	\$ 44,942,746	\$ 12,924,267	\$ 16,550,864	\$ 30,786,722	\$ 7,706,263	\$ 1,901,343	\$ 519,974	\$ 11,211,686
28	REVENUE REQUIREMENT	\$ 1,001,341,680	\$ 631,000,782	\$ 231,240,326	\$ 48,085,607	\$ 13,385,997	\$ 17,629,436	\$ 31,604,209	\$ 11,008,281	\$ 2,704,701	\$ 731,272	\$ 13,951,069
29	Other Revenues	\$ 9,524,424	\$ 6,889,573	\$ 1,629,852	\$ 201,442	\$ 129,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ 95	\$ 31,629
30	RATE SCHEDULE REVENUE REQUIREMENT	\$ 991,817,257	\$ 624,311,209	\$ 229,610,444	\$ 47,884,166	\$ 13,256,299	\$ 17,517,629	\$ 31,472,984	\$ 10,306,571	\$ 2,607,958	\$ 731,177	\$ 13,919,440
31	Revenue (Deficiency)/Surplus	\$ (40,433,978)	\$ (26,780,809)	\$ (8,913,738)	\$ 2,621,109	\$ 502,545	\$ 788,169	\$ (1,093,428)	\$ 1,038,085	\$ (932,195)	\$ (695,000)	\$ (6,104,717)
32	Proposed Revenue Requirement											
33	Proposed Return	8.7518%	9.0705%	8.8007%	12.5601%	14.1822%	13.0283%	4.2224%	11.4567%	0.0122%	-14.4206%	-4.0743%
34	Income Taxes	\$ 103,302,138	\$ 71,113,264	\$ 22,356,570	\$ 4,506,226	\$ 747,528	\$ 1,604,518	\$ 394,034	\$ 4,200,802	\$ 1,121	\$ (347,836)	\$ (1,274,089)
35	Expenses Other Than Income Taxes	\$ 24,460,531	\$ 16,838,646	\$ 5,293,729	\$ 1,067,013	\$ 177,004	\$ 379,928	\$ 93,302	\$ 994,892	\$ 266	\$ (82,363)	\$ (301,687)
36	RATE SCHEDULE REVENUE REQUIREMENT	\$ 991,697,691	\$ 627,322,160	\$ 229,738,469	\$ 48,570,357	\$ 13,609,789	\$ 16,255,127	\$ 30,593,152	\$ 7,095,701	\$ 1,711,119	\$ 469,941	\$ 10,563,037
37	Other Revenues	\$ 9,524,424	\$ 6,889,573	\$ 1,629,852	\$ 201,442	\$ 129,698	\$ 111,807	\$ 131,845	\$ 501,710	\$ 96,743	\$ 95	\$ 31,629
	REVENUE REQUIREMENT	\$ 1,001,222,115	\$ 634,011,733	\$ 231,368,321	\$ 49,771,799	\$ 13,739,487	\$ 16,278,572	\$ 31,080,487	\$ 12,231,196	\$ 1,712,506	\$ 39,742	\$ 8,987,262
39	Revenue/Cost Ratio	1.000	1.005	1.001	1.035	1.026	1.037	0.983	1.111	0.633	0.054	0.644



Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Including Gas Costs and Revenues  
 Functional Rate Base

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (86)	Non-Exclusive Interruptible (87)	Transportation (97)	Transport Contracts (89,189,298)	CHG Service (50)	Rentals
<b>Production</b>											
Demand	\$ 2,222,987	\$ 1,492,037	\$ 564,986	\$ 95,780	\$ 15,796	\$ 22,820	\$ 31,527	\$ -	\$ -	\$ -	\$ -
Commodity	\$ 1,538,908	\$ 887,279	\$ 356,940	\$ 89,478	\$ 26,929	\$ 32,130	\$ 66,309	\$ 65,244	\$ 14,544	\$ 41	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55	\$ -
Sub-total	\$ 3,761,894	\$ 2,379,316	\$ 921,926	\$ 185,257	\$ 42,724	\$ 54,949	\$ 97,836	\$ 65,244	\$ 14,544	\$ 97	\$ -
<b>Storage</b>											
Demand	\$ 23,671,803	\$ 16,401,894	\$ 5,614,117	\$ 437,870	\$ 227,638	\$ 471,006	\$ 519,579	\$ -	\$ -	\$ (301)	\$ -
Commodity	\$ 2,480,273	\$ 1,216,196	\$ 490,063	\$ 122,849	\$ 36,972	\$ 44,113	\$ 91,039	\$ 390,021	\$ 86,944	\$ 76	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 26,152,076	\$ 17,620,090	\$ 6,104,181	\$ 560,719	\$ 264,610	\$ 515,118	\$ 610,618	\$ 390,021	\$ 86,944	\$ (225)	\$ -
<b>Transmission</b>											
Demand	\$ 100,428,762	\$ 57,538,645	\$ 22,249,733	\$ 4,410,273	\$ 995,723	\$ 1,289,205	\$ 2,264,109	\$ 9,309,679	\$ 2,369,144	\$ 2,251	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 100,428,762	\$ 57,538,645	\$ 22,249,733	\$ 4,410,273	\$ 995,723	\$ 1,289,205	\$ 2,264,109	\$ 9,309,679	\$ 2,369,144	\$ 2,251	\$ -
<b>Distribution</b>											
Demand	\$ 533,451,705	\$ 329,679,352	\$ 128,191,701	\$ 25,601,695	\$ 3,024,704	\$ 7,608,238	\$ 5,978,085	\$ 24,610,704	\$ 6,202,535	\$ 2,354,702	\$ -
Commodity	\$ 459,564	\$ 225,712	\$ 90,801	\$ 22,762	\$ 6,850	\$ 8,173	\$ 16,868	\$ 72,284	\$ 16,109	\$ 14	\$ -
Customer	\$ 516,097,752	\$ 376,361,066	\$ 95,471,978	\$ 5,096,715	\$ 936,285	\$ 2,839,976	\$ 364,537	\$ 2,218,962	\$ 481,470	\$ 55,244	\$ 31,271,498
Sub-total	\$ 1,050,009,011	\$ 706,466,150	\$ 224,764,479	\$ 30,721,162	\$ 3,967,840	\$ 10,456,388	\$ 6,359,489	\$ 26,901,530	\$ 6,700,114	\$ 2,409,961	\$ 31,271,498
<b>Gas Costs</b>											
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>											
Demand	\$ 659,775,257	\$ 405,311,928	\$ 156,620,537	\$ 30,545,607	\$ 4,263,861	\$ 9,391,269	\$ 8,793,299	\$ 33,920,383	\$ 8,571,680	\$ 2,356,693	\$ -
Commodity	\$ 4,476,735	\$ 2,331,187	\$ 937,804	\$ 235,088	\$ 70,752	\$ 84,415	\$ 174,216	\$ 527,530	\$ 117,598	\$ 145	\$ -
Customer	\$ 516,097,752	\$ 376,361,066	\$ 96,471,978	\$ 5,096,715	\$ 936,285	\$ 2,839,976	\$ 364,537	\$ 2,218,962	\$ 481,470	\$ 55,244	\$ 31,271,498
<b>TOTAL RATE BASE</b>	\$ 1,180,351,744	\$ 784,004,201	\$ 254,030,319	\$ 35,877,411	\$ 5,270,898	\$ 12,315,661	\$ 9,332,051	\$ 36,666,978	\$ 9,170,748	\$ 2,412,093	\$ 31,271,498

**Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2**  
**Including Gas Costs and Revenues**  
**Functional Revenue Requirement**

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (86)	Non-Exclusive Interruptible (87)	Transportation Contracts (57)	Transport Contracts (89,199,239)	CMS Service (50)	Rentals
<b>Production</b>											
Demand	\$ 980,755	\$ 658,269	\$ 249,265	\$ 42,257	\$ 6,969	\$ 10,068	\$ 13,909	\$ -	\$ -	\$ -	\$ 18
Commodity	\$ 874,975	\$ 507,016	\$ 203,966	\$ 51,130	\$ 15,368	\$ 18,360	\$ 37,891	\$ 33,684	\$ 7,509	\$ 32	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 1,855,729	\$ 1,165,285	\$ 453,231	\$ 93,387	\$ 22,357	\$ 28,428	\$ 51,800	\$ 33,684	\$ 7,509	\$ 50	\$ -
<b>Storage</b>											
Demand	\$ 5,659,203	\$ 3,920,488	\$ 1,341,926	\$ 104,663	\$ 54,412	\$ 112,583	\$ 124,194	\$ -	\$ -	\$ -	\$ (72)
Commodity	\$ 487,910	\$ 224,904	\$ 90,476	\$ 22,660	\$ 6,826	\$ 8,144	\$ 16,808	\$ 72,006	\$ 16,052	\$ 14	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 6,116,113	\$ 4,145,402	\$ 1,432,402	\$ 127,343	\$ 61,237	\$ 120,727	\$ 141,001	\$ 72,006	\$ 16,052	\$ (58)	\$ -
<b>Transmission</b>											
Demand	\$ 18,478,536	\$ 10,586,907	\$ 4,093,872	\$ 811,475	\$ 183,210	\$ 237,209	\$ 416,588	\$ 1,712,948	\$ 435,914	\$ 414	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 18,478,536	\$ 10,586,907	\$ 4,093,872	\$ 811,475	\$ 183,210	\$ 237,209	\$ 416,588	\$ 1,712,948	\$ 435,914	\$ 414	\$ -
<b>Distribution</b>											
Demand	\$ 125,811,486	\$ 77,272,490	\$ 30,350,609	\$ 6,030,055	\$ 752,176	\$ 1,811,878	\$ 1,439,788	\$ 5,964,010	\$ 1,502,826	\$ 665,008	\$ 22,646
Commodity	\$ 43,847,569	\$ 25,660,289	\$ 10,073,855	\$ 2,503,400	\$ 728,828	\$ 888,127	\$ 1,720,364	\$ 1,864,818	\$ 406,356	\$ 1,524	\$ -
Customer	\$ 173,976,886	\$ 124,946,384	\$ 30,642,286	\$ 1,459,924	\$ 384,041	\$ 805,423	\$ 207,895	\$ 1,249,440	\$ 311,216	\$ 41,893	\$ 13,928,423
Sub-total	\$ 343,635,931	\$ 227,879,174	\$ 71,066,761	\$ 9,995,379	\$ 1,865,044	\$ 3,505,428	\$ 3,367,988	\$ 9,079,266	\$ 2,220,397	\$ 708,425	\$ 13,951,069
<b>Gas Costs</b>											
Demand	\$ 66,257,873	\$ 45,431,253	\$ 15,972,444	\$ 2,513,518	\$ 882,834	\$ 1,353,067	\$ 2,103,854	\$ -	\$ -	\$ 1,103	\$ -
Commodity	\$ 564,997,466	\$ 343,792,781	\$ 136,221,617	\$ 34,546,506	\$ 10,371,515	\$ 12,394,577	\$ 25,522,979	\$ 111,377	\$ 24,828	\$ 21,358	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 631,255,371	\$ 387,224,034	\$ 154,194,060	\$ 37,060,024	\$ 11,254,149	\$ 13,737,644	\$ 27,626,833	\$ 111,377	\$ 24,828	\$ 22,441	\$ -
<b>TOTAL</b>											
Demand	\$ 217,186,853	\$ 135,889,416	\$ 52,008,116	\$ 9,501,968	\$ 1,879,400	\$ 3,524,805	\$ 4,098,333	\$ 7,676,958	\$ 1,938,740	\$ 666,472	\$ 22,646
Commodity	\$ 610,177,941	\$ 370,184,971	\$ 148,589,914	\$ 37,123,716	\$ 11,122,557	\$ 13,299,208	\$ 27,296,041	\$ 2,081,892	\$ 454,745	\$ 22,907	\$ -
Customer	\$ 173,976,886	\$ 124,946,384	\$ 30,642,286	\$ 1,459,924	\$ 384,041	\$ 805,423	\$ 207,895	\$ 1,249,440	\$ 311,216	\$ 41,893	\$ 13,928,423
<b>TOTAL REVENUE REQUIREMENT</b>	\$ 1,001,341,680	\$ 631,000,782	\$ 231,240,326	\$ 48,085,607	\$ 13,365,897	\$ 17,629,436	\$ 31,604,209	\$ 11,009,281	\$ 2,704,701	\$ 731,272	\$ 13,951,069
<b>TOTAL FIXED COSTS</b>	\$ 391,163,739	\$ 260,915,811	\$ 82,650,412	\$ 10,961,881	\$ 2,263,441	\$ 4,330,208	\$ 4,306,168	\$ 8,826,598	\$ 2,249,956	\$ 708,365	\$ 13,951,069

Puget Sound Energy - Gas Cost of Service Study - Commission Basis Version 2  
 Including Gas Costs and Revenues

Unit Costs

	System Total	Residential (23,16,53,94)	Comm. & Indus. (31,36,51,61,97)	Large Volume (41)	Interruptible (85)	Limited Interruptible (86)	Non-Exclusible Interruptible (87)	Transportation (57)	Transport Contracts (89,189,298)	CMG Service (50)	Rentals
<b>Production</b>											
Demand (per Peak Day therm per month)	\$ 0.011	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ 0.012	\$ -	\$ -	\$ 0.012	\$ -
Commodity (per therm)	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ -	\$ -	\$ 0.001	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Storage</b>											
Demand (per Peak Day therm per month)	\$ 0.066	\$ 0.073	\$ 0.066	\$ 0.030	\$ 0.095	\$ 0.136	\$ 0.109	\$ -	\$ -	\$ (0.048)	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Transmission</b>											
Demand (per Peak Day therm per month)	\$ 0.215	\$ 0.196	\$ 0.200	\$ 0.234	\$ 0.321	\$ 0.287	\$ 0.365	\$ 0.395	\$ 0.315	\$ 0.276	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Distribution</b>											
Demand (per Peak Day therm per month)	\$ 1.461	\$ 1.432	\$ 1.485	\$ 1.741	\$ 1.317	\$ 2.195	\$ 1.263	\$ 1.377	\$ 1.086	\$ 443.339	\$ -
Commodity (per therm)	\$ 0.042	\$ 0.050	\$ 0.049	\$ 0.049	\$ 0.047	\$ 0.048	\$ 0.045	\$ 0.011	\$ 0.011	\$ 0.048	\$ -
Customer (per customer per month)	\$ 21,387	\$ 16,665	\$ 49,866	\$ 99,538	\$ 932,139	\$ 136,953	\$ 1,161,092	\$ 918,031	\$ 1,620,915	\$ 734,968	\$ -
<b>Gas Costs</b>											
Demand (per Peak Day therm per month)	\$ 0.769	\$ 0.805	\$ 0.782	\$ 0.726	\$ 1.545	\$ 1.639	\$ 1.845	\$ -	\$ -	\$ 0.735	\$ -
Commodity (per therm)	\$ 0.544	\$ 0.674	\$ 0.674	\$ 0.672	\$ 0.670	\$ 0.671	\$ 0.670	\$ 0.001	\$ 0.001	\$ 0.670	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>											
Demand (per Peak Day therm per month)	\$ 2,522	\$ 2,518	\$ 2,545	\$ 2,743	\$ 3,289	\$ 4,270	\$ 3,594	\$ 1,772	\$ 1,401	\$ 444,314	\$ -
Commodity (per therm)	\$ 0.588	\$ 0.726	\$ 0.724	\$ 0.722	\$ 0.719	\$ 0.720	\$ 0.716	\$ 0.013	\$ 0.012	\$ 0.720	\$ -
Customer (per customer per month)	\$ 21,387	\$ 16,665	\$ 49,866	\$ 99,538	\$ 932,139	\$ 136,953	\$ 1,161,092	\$ 918,031	\$ 1,620,915	\$ 734,968	\$ -
PDAY	86,124,324	53,868,944	20,436,300	3,464,472	571,344	825,420	1,140,372	4,332,468	1,383,504	1,500	0
CONT	1,039,450,901	510,939,280	205,181,707	51,434,876	15,479,708	18,469,221	38,116,540	163,295,477	35,402,261	31,631	0
CUST	8,134,612	7,487,375	614,468	14,667	412	3,881	179	1,381	192	57	0