

**EXHIBIT NO. ___(JAP-8)
DOCKETS UE-17___/UG-17___
2017 PSE GENERAL RATE CASE
WITNESS: JON A. PILIARIS**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

Docket UE-17___

Docket UG-17___

**SEVENTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF**

JON A. PILIARIS

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 13, 2017

Puget Sound Energy - 2017 Gas Cost of Service Study
Proposed Test Year Without Gas
Summary

Line No.	Description	Total Company	Residential (16,23,53)	Comm. & Indus. (31,31T)	Large Volume (41,41T)	Interruptible (85, 85T)	Limited Interruptible (86, 86T)	Non-Exclusive Interruptible (87, 87T)	Contracts	Rentals
	(a)	(b)	(c)	(d)	(e)	(g)	(h)	(i)	(j)	(k)
Rate Base										
1	Plant in Service	\$ 3,588,211,730	\$ 2,300,492,525	\$ 969,895,180	\$ 103,744,506	\$ 100,953,487	\$ 11,276,016	\$ 53,646,676	\$ 19,867,051	\$ 28,336,289
2	Accumulated Reserve	(1,372,435,514)	(869,743,796)	(381,294,307)	(34,472,640)	(34,332,340)	(3,649,371)	(18,502,354)	(6,742,281)	(23,698,426)
3	Other Rate Base Items	(455,082,583)	(297,099,665)	(120,252,974)	(13,164,802)	(12,850,033)	(1,269,143)	(7,017,312)	(2,660,147)	(768,507)
4	TOTAL RATE BASE	\$ 1,760,693,633	\$ 1,133,649,065	\$ 468,347,899	\$ 56,107,064	\$ 53,771,115	\$ 6,357,502	\$ 28,127,010	\$ 10,464,623	\$ 3,869,356
Revenue at Current Rates										
5	Gas Revenues	-	-	-	-	-	-	-	-	-
6	Base Rate Revenues	434,535,123	304,383,541	88,444,666	13,505,385	13,826,318	2,175,329	4,788,874	1,369,462	6,041,548
7	Other Revenues	7,009,594	6,572,761	318,759	8,226	(153,799)	2,147	12,526	10	248,964
8	TOTAL REVENUE	\$ 441,544,717	\$ 310,956,302	\$ 88,763,425	\$ 13,513,611	\$ 13,672,519	\$ 2,177,476	\$ 4,801,400	\$ 1,369,472	\$ 6,290,512
Expenses at Current Rates										
9	Operation and Maintenance	139,584,053	92,758,504	33,388,166	4,909,746	4,481,475	714,576	1,731,406	668,553	931,628
10	Depreciation Expense	121,950,123	78,347,869	31,775,752	3,559,894	3,397,989	414,377	1,789,911	624,797	2,039,535
11	Taxes Other Than Income	20,010,660	13,908,440	4,127,265	642,943	644,162	102,872	237,454	72,050	275,474
12	Income Taxes	37,987,932	24,459,101	10,104,863	1,210,541	1,160,141	137,167	606,856	225,780	83,483
13	TOTAL EXPENSES - Current	\$ 319,532,768	\$ 209,473,914	\$ 79,396,046	\$ 10,323,123	\$ 9,683,768	\$ 1,368,991	\$ 4,365,627	\$ 1,591,180	\$ 3,330,120
14	Operating Income - Current	\$ 122,011,949	\$ 101,482,389	\$ 9,367,379	\$ 3,190,488	\$ 3,988,751	\$ 808,485	\$ 435,773	\$ (221,708)	\$ 2,960,392
15	Current Rate of Return	6.93%	8.95%	2.00%	5.69%	7.42%	12.72%	1.55%	-2.12%	76.51%
Calculation of Rate Schedule Revenue Requirement at Equal Rates of Return										
16	Required Return	7.74%	7.74%	7.74%	7.74%	7.74%	7.74%	7.74%	7.74%	7.74%
17	Required Operating Income	\$ 136,277,687	\$ 87,744,438	\$ 36,250,127	\$ 4,342,687	\$ 4,161,884	\$ 492,071	\$ 2,177,031	\$ 809,962	\$ 299,488
18	Operating Income (Deficiency)/Surplus	(14,265,738)	13,737,951	(26,882,748)	(1,152,199)	(173,133)	316,415	(1,741,257)	(1,031,669)	2,660,904
19	Revenue Conversion Factor	0.620450								
20	Revenue (Deficiency) / Surplus	\$ (22,992,568)	\$ 8,045,840	\$ (29,130,203)	\$ (1,426,269)	\$ (440,775)	\$ 284,037	\$ (1,874,187)	\$ (1,080,246)	\$ 2,629,236
21	Revenue Requirement	\$ 464,537,285	\$ 302,910,462	\$ 117,893,628	\$ 14,939,880	\$ 14,113,294	\$ 1,893,439	\$ 6,675,587	\$ 2,449,719	\$ 3,661,276
22	Revenues Other Than Rate Sch. Rev.	7,009,594	6,572,761	318,759	8,226	(153,799)	2,147	12,526	10	248,964
23	Rate Schedule Revenue Requirement	457,527,691	296,337,701	117,574,869	14,931,654	14,267,093	1,891,292	6,663,061	2,449,708	3,412,312
24	Deficiency / (Surplus) as % of Rate Rev	5.29%	-2.64%	32.94%	10.56%	3.19%	-13.06%	39.14%	78.88%	-43.52%
Expenses at Required Return										
25	Operation and Maintenance	\$ 139,748,220	\$ 92,887,530	\$ 33,412,974	\$ 4,911,647	\$ 4,486,488	\$ 714,806	\$ 1,731,913	\$ 668,698	\$ 934,164
26	Depreciation Expense	121,950,123	78,347,869	31,775,752	3,559,894	3,397,989	414,377	1,789,911	624,797	2,039,535
27	Taxes Other Than Income	20,891,781	14,525,649	4,306,607	670,328	672,198	107,283	247,165	74,827	287,724
28	Income Taxes	45,669,474	29,404,977	12,148,168	1,455,324	1,394,734	164,903	729,568	271,435	100,365
29	TOTAL EXPENSES - Required	\$ 328,259,598	\$ 215,166,024	\$ 81,643,501	\$ 10,597,193	\$ 9,951,410	\$ 1,401,368	\$ 4,498,557	\$ 1,639,757	\$ 3,361,788
30	Rate Schedule Revenue as Proposed	\$ 457,527,797	\$ 319,136,380	\$ 94,873,292	\$ 14,159,803	\$ 14,496,314	\$ 2,228,071	\$ 5,137,033	\$ 1,455,355	\$ 6,041,548
31	Other Revenue	7,009,594	6,572,761	318,759	8,226	(153,799)	2,147	12,526	10	248,964
32	Revenue as Proposed	\$ 464,537,391	\$ 325,709,141	\$ 95,192,051	\$ 14,168,028	\$ 14,342,515	\$ 2,230,218	\$ 5,149,559	\$ 1,455,365	\$ 6,290,512
33	Proposed Revenue Increase	\$ 22,992,673	\$ 14,752,839	\$ 6,428,626	\$ 654,418	\$ 669,996	\$ 52,742	\$ 348,159	\$ 85,893	\$ -
34	Proposed Revenue - Revenue Requirement	\$ 464,537,391	\$ 325,709,141	\$ 95,192,051	\$ 14,168,028	\$ 14,342,515	\$ 2,230,218	\$ 5,149,559	\$ 1,455,365	\$ 6,290,512
35	Current Revenue to Cost Ratio	0.95	1.03	0.75	0.90	0.97	1.15	0.72	0.56	1.77
36	Parity Ratio	1.00	1.08	0.79	0.95	1.02	1.21	0.76	0.59	1.86
37	Proposed Revenue to Cost Ratio	1.00	1.08	0.81	0.95	1.02	1.18	0.77	0.59	1.77

Puget Sound Energy - 2017 Gas Cost of Service Study
Proposed Test Year Without Gas
Functional Rate Base

	System Total	Residential (16,23,53)	Comm. & Indus. (31,31T)	Large Volume (41,41T)	Interruptible (85, 85T)	Limited Interruptible (86, 86T)	Non-Exclusive Interruptible (87, 87T)	Contracts	Rentals
Gas Supply									
Demand	\$ 879,380	\$ 632,682	\$ 215,433	\$ 29,727	\$ 887	\$ 652	\$ -	\$ -	\$ -
Commodity	\$ 1,276,469	\$ 717,605	\$ 266,509	\$ 64,767	\$ 100,611	\$ 12,166	\$ 91,386	\$ 23,424	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 2,155,850	\$ 1,350,287	\$ 481,942	\$ 94,494	\$ 101,498	\$ 12,819	\$ 91,386	\$ 23,424	\$ -
Storage									
Demand	\$ 33,728,236	\$ 23,816,222	\$ 7,241,670	\$ 1,247,982	\$ 645,915	\$ 366,974	\$ 409,473	\$ -	\$ -
Commodity	\$ 5,010,600	\$ 2,533,857	\$ 941,090	\$ 239,265	\$ 554,190	\$ 43,761	\$ 536,136	\$ 162,301	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 38,738,836	\$ 26,350,079	\$ 8,182,760	\$ 1,487,247	\$ 1,200,105	\$ 410,735	\$ 945,609	\$ 162,301	\$ -
Transmission									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution									
Demand	\$ 673,875,827	\$ 474,001,393	\$ 161,444,509	\$ 24,672,060	\$ 9,337,304	\$ 564,764	\$ 1,995,157	\$ 1,860,640	\$ -
Commodity	\$ 332,288,037	\$ 181,649,396	\$ 67,465,721	\$ 17,152,608	\$ 32,338,643	\$ 3,137,163	\$ 23,446,665	\$ 7,097,841	\$ -
Customer	\$ 702,702,099	\$ 450,231,013	\$ 224,621,167	\$ 10,729,832	\$ 9,264,035	\$ 1,889,813	\$ 1,454,322	\$ 1,200,365	\$ 3,311,552
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 1,708,865,963	\$ 1,105,881,802	\$ 453,531,397	\$ 52,554,500	\$ 50,939,982	\$ 5,591,740	\$ 26,896,144	\$ 10,158,846	\$ 3,311,552
Gas Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sales Specific Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ 9,367,095	\$ 66,897	\$ 6,133,923	\$ 1,596,133	\$ 577,393	\$ 334,607	\$ 100,339	\$ -	\$ 557,804
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 9,367,095	\$ 66,897	\$ 6,133,923	\$ 1,596,133	\$ 577,393	\$ 334,607	\$ 100,339	\$ -	\$ 557,804
Transport Specific Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ 1,565,889	\$ -	\$ 17,877	\$ 374,691	\$ 952,137	\$ 7,601	\$ 93,532	\$ 120,052	\$ -
Sub-total	\$ 1,565,889	\$ -	\$ 17,877	\$ 374,691	\$ 952,137	\$ 7,601	\$ 93,532	\$ 120,052	\$ -
TOTAL									
Demand	\$ 708,483,443	\$ 498,450,296	\$ 168,901,611	\$ 25,949,769	\$ 9,984,106	\$ 932,391	\$ 2,404,630	\$ 1,860,640	\$ -
Commodity	\$ 338,575,106	\$ 184,900,858	\$ 68,673,320	\$ 17,456,639	\$ 32,993,444	\$ 3,193,091	\$ 24,074,187	\$ 7,283,566	\$ -
Customer	\$ 702,702,099	\$ 450,231,013	\$ 224,621,167	\$ 10,729,832	\$ 9,264,035	\$ 1,889,813	\$ 1,454,322	\$ 1,200,365	\$ 3,311,552
Direct Sales	\$ 9,367,095	\$ 66,897	\$ 6,133,923	\$ 1,596,133	\$ 577,393	\$ 334,607	\$ 100,339	\$ -	\$ 557,804
Direct Transport	\$ 1,565,889	\$ -	\$ 17,877	\$ 374,691	\$ 952,137	\$ 7,601	\$ 93,532	\$ 120,052	\$ -
TOTAL RATE BASE	\$ 1,760,693,633	\$ 1,133,649,065	\$ 468,347,899	\$ 56,107,064	\$ 53,771,115	\$ 6,357,502	\$ 28,127,010	\$ 10,464,623	\$ 3,869,356

Puget Sound Energy - 2017 Gas Cost of Service Study
Proposed Test Year Without Gas
Functional Revenue Requirement

	System Total	Residential (16,23,53)	Comm. & Indus. (31,31T)	Large Volume (41,41T)	Interruptible (85, 85T)	Limited Interruptible (86, 86T)	Non-Exclusive Interruptible (87, 87T)	Contracts	Rentals
Gas Supply									
Demand	\$ 457,316	\$ 329,022	\$ 112,034	\$ 15,459	\$ 461	\$ 339	\$ -	\$ -	\$ -
Commodity	\$ 1,106,298	\$ 615,547	\$ 228,607	\$ 55,795	\$ 90,795	\$ 10,454	\$ 83,210	\$ 21,890	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 1,563,614	\$ 944,569	\$ 340,642	\$ 71,254	\$ 91,256	\$ 10,793	\$ 83,210	\$ 21,890	\$ -
Storage									
Demand	\$ 7,680,859	\$ 5,423,617	\$ 1,649,130	\$ 284,200	\$ 147,093	\$ 83,570	\$ 93,248	\$ -	\$ -
Commodity	\$ 888,064	\$ 449,093	\$ 166,796	\$ 42,407	\$ 98,223	\$ 7,756	\$ 95,023	\$ 28,766	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 8,568,923	\$ 5,872,711	\$ 1,815,926	\$ 326,607	\$ 245,316	\$ 91,326	\$ 188,272	\$ 28,766	\$ -
Transmission									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution									
Demand	\$ 139,713,036	\$ 97,920,711	\$ 33,379,335	\$ 5,134,770	\$ 2,108,975	\$ 131,124	\$ 599,517	\$ 438,603	\$ -
Commodity	\$ 95,841,480	\$ 56,292,778	\$ 19,582,594	\$ 4,471,632	\$ 7,598,882	\$ 802,350	\$ 5,271,764	\$ 1,564,656	\$ 256,825
Customer	\$ 202,831,949	\$ 141,434,662	\$ 53,925,884	\$ 2,111,926	\$ 1,860,269	\$ 373,685	\$ 264,005	\$ 220,307	\$ 2,641,210
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 438,386,465	\$ 295,648,152	\$ 106,887,814	\$ 11,718,327	\$ 11,568,126	\$ 1,307,159	\$ 6,135,286	\$ 2,223,566	\$ 2,898,035
Gas Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sales Specific Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ 13,708,487	\$ 445,031	\$ 8,822,857	\$ 2,272,813	\$ 799,356	\$ 473,396	\$ 131,793	\$ -	\$ 763,241
Direct Transport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub-total	\$ 13,708,487	\$ 445,031	\$ 8,822,857	\$ 2,272,813	\$ 799,356	\$ 473,396	\$ 131,793	\$ -	\$ 763,241
Transport Specific Costs									
Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport	\$ 2,309,797	\$ -	\$ 26,390	\$ 550,879	\$ 1,409,240	\$ 10,764	\$ 137,027	\$ 175,497	\$ -
Sub-total	\$ 2,309,797	\$ -	\$ 26,390	\$ 550,879	\$ 1,409,240	\$ 10,764	\$ 137,027	\$ 175,497	\$ -
TOTAL									
Demand	\$ 147,851,211	\$ 103,673,350	\$ 35,140,500	\$ 5,434,429	\$ 2,256,530	\$ 215,034	\$ 692,766	\$ 438,603	\$ -
Commodity	\$ 97,835,842	\$ 57,357,418	\$ 19,977,997	\$ 4,569,833	\$ 7,787,900	\$ 820,560	\$ 5,449,997	\$ 1,615,312	\$ 256,825
Customer	\$ 202,831,949	\$ 141,434,662	\$ 53,925,884	\$ 2,111,926	\$ 1,860,269	\$ 373,685	\$ 264,005	\$ 220,307	\$ 2,641,210
Direct Sales	\$ 13,708,487	\$ 445,031	\$ 8,822,857	\$ 2,272,813	\$ 799,356	\$ 473,396	\$ 131,793	\$ -	\$ 763,241
Direct Transport	\$ 2,309,797	\$ -	\$ 26,390	\$ 550,879	\$ 1,409,240	\$ 10,764	\$ 137,027	\$ 175,497	\$ -
TOTAL REVENUE REQUIREMENT	\$ 464,537,285	\$ 302,910,462	\$ 117,893,628	\$ 14,939,880	\$ 14,113,294	\$ 1,893,439	\$ 6,675,587	\$ 2,449,719	\$ 3,661,276
TOTAL FIXED COSTS	\$ 366,701,443	\$ 245,553,044	\$ 97,915,631	\$ 10,370,047	\$ 6,325,394	\$ 1,072,879	\$ 1,225,590	\$ 834,406	\$ 3,404,451

Puget Sound Energy - 2017 Gas Cost of Service Study
Proposed Test Year Without Gas
Unit Costs

	System Total	Residential (16,23,53)	Comm. & Indus. (31,31T)	Large Volume (41,41T)	Interruptible (85, 85T)	Limited Interruptible (86, 86T)	Non-Exclusive Interruptible (87, 87T)	Contracts	Rentals
Gas Supply									
Demand (per Peak Day therm per month)	\$ 0.0040	\$ 0.0041	\$ 0.0041	\$ 0.0037	\$ 0.0003	\$ 0.0037	\$ -	\$ -	\$ -
Commodity (per therm)	\$ 0.0010	\$ 0.0011	\$ 0.0011	\$ 0.0010	\$ 0.0007	\$ 0.0010	\$ 0.0007	\$ 0.0006	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand and Commodity (per therm)	\$ 0.0014	\$ 0.0016	\$ 0.0016	\$ 0.0013	\$ 0.0007	\$ 0.0011	\$ 0.0007	\$ 0.0006	\$ -
Storage									
Demand (per Peak Day therm per month)	\$ 0.0676	\$ 0.0678	\$ 0.0605	\$ 0.0684	\$ 0.0962	\$ 0.9130	\$ 0.3247	\$ -	\$ -
Commodity (per therm)	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ 0.0008	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand and Commodity (per therm)	\$ 0.0075	\$ 0.0102	\$ 0.0085	\$ 0.0060	\$ 0.0019	\$ 0.0092	\$ 0.0015	\$ 0.0008	\$ -
Transmission									
Demand (per Peak Day therm per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand and Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution									
Demand (per Peak Day therm per month)	\$ 1.2293	\$ 1.2234	\$ 1.2248	\$ 1.2355	\$ 1.3794	\$ 1.4326	\$ 2.0874	\$ 1.4630	\$ -
Commodity (per therm)	\$ 0.0839	\$ 0.0974	\$ 0.0913	\$ 0.0820	\$ 0.0601	\$ 0.0804	\$ 0.0431	\$ 0.0423	\$ -
Customer (per customer per month)	\$ 21.0291	\$ 15.7991	\$ 80.3920	\$ 127.9335	\$ 714.3890	\$ 124.8530	\$ 1,389.4975	\$ 1,835.8905	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand and Commodity (per therm)	\$ 0.2062	\$ 0.2669	\$ 0.2468	\$ 0.1761	\$ 0.0768	\$ 0.0935	\$ 0.0480	\$ 0.0541	\$ -
Gas Costs									
Demand (per Peak Day therm per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demand and Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sales Specific Costs									
Demand (per Peak Day therm per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ 1.422	\$ 0.050	\$ 13.153	\$ 144.691	\$ 801.761	\$ 160.202	\$ 2,196.546	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transport Specific Costs									
Demand (per Peak Day therm per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity (per therm)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Customer (per customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Sales (per sales customer per month)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ 849.190	\$ -	\$ 1,055.601	\$ 688.598	\$ 876.939	\$ 283.259	\$ 1,054.053	\$ 1,462.475	\$ -
TOTAL									
Demand (per Peak Day therm per month)	\$ 1.3009	\$ 1.2953	\$ 1.2894	\$ 1.3076	\$ 1.4759	\$ 2.3493	\$ 2.4121	\$ 1.4630	\$ -
Commodity (per therm)	\$ 0.0856	\$ 0.0993	\$ 0.0931	\$ 0.0838	\$ 0.0616	\$ 0.0822	\$ 0.0446	\$ 0.0436	\$ -
Customer (per customer per month)	\$ 21.0291	\$ 15.7991	\$ 80.3920	\$ 127.9335	\$ 714.3890	\$ 124.8530	\$ 1,389.4975	\$ 1,835.8905	\$ -
Direct Sales (per sales customer per month)	\$ 1.4217	\$ 0.0497	\$ 13.1535	\$ 144.6915	\$ 801.7608	\$ 160.2017	\$ 2,196.5458	\$ -	\$ -
Direct Transport (per transp. cust. per month)	\$ 849.1899	\$ -	\$ 1,055.6012	\$ 688.5982	\$ 876.9385	\$ 283.2593	\$ 1,054.0532	\$ 1,462.4745	\$ -
Demand and Commodity (per therm)	\$ 0.2150	\$ 0.2787	\$ 0.2569	\$ 0.1834	\$ 0.0795	\$ 0.1038	\$ 0.0502	\$ 0.0555	\$ -
All Customer (per customer per month)	\$ 22.6898	\$ 15.8488	\$ 93.5843	\$ 298.9834	\$ 1,562.5440	\$ 286.6171	\$ 2,804.3378	\$ 3,298.3650	\$ -
PDAY	113,653,153	80,036,710	27,253,119	4,155,899	1,528,891	91,530	287,208	299,796	0
COM1	1,142,550,752	577,787,183	214,593,771	54,558,711	126,370,130	9,978,634	122,253,420	37,008,902	0
CUST	9,645,293	8,952,091	670,787	16,508	2,604	2,993	190	120	0
CUSTXT	9,642,573	8,952,091	670,762	15,708	997	2,955	60	0	0
TRANSCUS	2,720	0	25	800	1,607	38	130	120	0