

**Puget Sound Energy
2019 Gas Cost of Service Study
External Allocators**

Name	Description	Classifier	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
CUSTOMER EXTERNAL ALLOCATORS											
CUST	Average Customers	CUS	830,647	92.96%	6.82%	0.17%	0.02%	0.03%	0.00%	0.00%	0.00%
				772,130	56,691	1,442	131	228	15	10	-
CUSTXT	Customers (excl. transport)	CUS	830,413	92.98%	6.83%	0.16%	0.00%	0.03%	0.00%	0.00%	0.00%
				772,130	56,689	1,335	28	226	5	-	-
DIR_CUSTXT	Customers (excl. transport)	DIRS	830,413	92.98%	6.83%	0.16%	0.00%	0.03%	0.00%	0.00%	0.00%
				772,130	56,689	1,335	28	226	5	-	-
MTRS_CUS	Customer Meters - Acc 381	CUS	195,367,311	79.18%	20.41%	0.40%	0.00%	0.00%	0.00%	0.00%	0.00%
				154,698,917	39,869,459	790,343	4,486	2,611	-	1,495	-
MTRS_INST	Meters Installation - Acc 382	CUS	39,708,917	92.80%	7.14%	0.06%	0.00%	0.00%	0.00%	0.00%	0.00%
				36,849,217	2,834,486	24,898	135	135	-	45	-
MTRS_385	Regulators - Acc 385	CUS	37,545,090	0.45%	52.42%	28.40%	11.33%	2.65%	2.86%	1.89%	0.00%
				168,220	19,681,849	10,663,385	4,253,190	995,119	1,073,225	710,101	-
SERV	Services	CUS	1,329,019	58.10%	41.06%	0.73%	0.00%	0.12%	0.00%	0.00%	0.00%
				772,130	545,661	9,694	-	1,534	-	-	-
DIR_380	Distr. Plant - Services	CUS	11,129,875	0.00%	0.00%	0.00%	76.66%	0.00%	9.87%	13.47%	0.00%
				-	-	-	8,532,534	-	1,098,093	1,499,248	-
DIR_252	Cust. Adv. in Aid of Construction (# cust)	CUS	830,263	93.00%	6.83%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%
				772,130	56,691	1,442	-	-	-	-	-
DIR_386	Rental Property	CUS	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
				-	-	-	-	-	-	-	1
DIR_908	Direct Cust. Service Assignment to Rentals_908	CUS	127,084	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
				-	-	-	-	-	-	-	127,084
DIR_DSALES	Direct Distr. Assignment to Sales	DIRS	1,455,992	0.63%	56.22%	17.18%	0.90%	2.74%	0.14%	0.00%	22.18%
				9,184	818,607	250,154	13,136	39,889	2,036	-	322,986
DIR_DTRNSP	Direct Distr. Assignment to Transport	DIRT	108,369	0.00%	0.73%	38.55%	47.03%	1.36%	5.12%	7.20%	0.00%
				-	791	41,780	50,963	1,478	5,550	7,806	-
DIR_CASALES	Direct Cust. Acct. Assignment to Sales	DIRS	5,789,977	87.96%	8.61%	1.04%	0.40%	0.15%	0.82%	0.00%	1.02%
				5,093,078	498,300	60,181	22,961	8,739	47,581	-	59,136
DIR_CATRNSP	Direct Cust. Acct. Assignment to Transport	DIRT	281,428	0.00%	0.02%	4.73%	16.55%	0.17%	52.14%	26.40%	0.00%
				-	55	13,318	46,569	480	146,723	74,283	-

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TRANSCUS	Transport Customers	DIRT	234	0.00%	1.11%	45.67%	43.77%	0.89%	4.28%	4.28%	0.00%
				-	3	107	102	2	10	10	-
SALES_902	Sales Meter Reading Costs	DIRS	8,016,465	92.09%	7.69%	0.19%	0.00%	0.04%	0.00%	0.00%	0.00%
				7,382,032	616,457	15,054	54	2,850	18	-	-
TRANS_902	Transport Meter Reading Costs	DIRT	3,473	0.00%	0.78%	37.92%	46.75%	1.82%	4.94%	7.79%	0.00%
				-	27	1,317	1,624	63	171	271	-
DIR_904	Uncollectibles	CUS	4,878,337	84.95%	9.49%	0.00%	0.00%	0.00%	0.00%	0.00%	5.56%
				4,143,916	462,923	-	-	166	-	-	271,331
DIR_235	Customer Deposit	CUS	5,209,602	76.23%	21.24%	1.09%	0.00%	0.19%	0.00%	0.00%	1.24%
				3,971,538	1,106,739	56,993	-	9,923	-	-	64,409
DIR920_TRNSPT	Acct. 920 Direct Assignment to Transport	DIRT	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
				-	-	-	-	-	-	-	-
DIR921_TRNSPT	Acct. 921 Direct Assignment to Transport	DIRT	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
				-	-	-	-	-	-	-	-
DIR926_SALES	Acct. 926 Direct Assignment to Sales	DIRS	799,286	57.96%	29.44%	8.68%	1.07%	1.37%	1.48%	0.00%	0.00%
				463,247	235,342	69,371	8,546	10,932	11,849	-	-
DIR926_TRNSPT	Acct. 926 Direct Assignment to Transport	DIRT	92,481	0.00%	0.21%	13.95%	24.86%	0.49%	39.32%	21.17%	0.00%
				-	196	12,902	22,988	455	36,363	19,577	-
DIR408_SALES	Acct. 408 Direct Assignment to Sales	DIRS	213,765	57.99%	29.42%	8.67%	1.07%	1.37%	1.48%	0.00%	0.00%
				123,965	62,897	18,532	2,283	2,921	3,167	-	-
DIR408_TRNSPT	Acct. 408 Direct Assignment to Transport	DIRT	24,712	0.00%	0.21%	13.94%	24.85%	0.49%	39.33%	21.17%	0.00%
				-	52	3,445	6,140	121	9,720	5,233	-

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COMMODITY EXTERNAL ALLOCATORS											
OTHREV	Other Operating Revenue	COM	3,546,060	95.45%	3.81%	-0.35%	-2.83%	0.00%	0.00%	0.00%	3.93%
				3,384,584	135,038	(12,257)	(100,504)	(113)	-	-	139,311
SALESREV	Sales Margin Revenue	COM	429,044,947	73.53%	21.83%	3.58%	0.36%	0.45%	0.25%	0.00%	0.00%
				315,481,526	93,641,987	15,377,701	1,552,344	1,918,324	1,073,066	-	-
STRREV	Sales, Transportation and Rental Margin Revenue	COM	451,489,295	69.88%	20.75%	4.32%	1.88%	0.44%	1.02%	0.38%	1.34%
				315,481,526	93,663,669	19,499,458	8,489,398	1,989,280	4,605,200	1,719,216	6,041,548
TRANSREV	Margin Revenue from Transportation for Others	COM	16,402,799	0.00%	0.13%	25.13%	42.29%	0.43%	21.53%	10.48%	0.00%
				-	21,682	4,121,757	6,937,054	70,956	3,532,134	1,719,216	-
STREV	Sales & Transportation Margin Revenue	COM	445,447,746	70.82%	21.03%	4.38%	1.91%	0.45%	1.03%	0.39%	0.00%
				315,481,526	93,663,669	19,499,458	8,489,398	1,989,280	4,605,200	1,719,216	-
COM_1	Weather Normalized Volumes	COM	1,194,623,705	51.30%	19.68%	7.24%	7.58%	0.77%	10.32%	3.10%	0.00%
				612,852,104	235,132,259	86,514,963	90,548,323	9,247,991	123,237,198	37,090,867	-
COM1XT_COM	Weather Normalized Volumes (excl. Transportation)	COM	961,440,520	63.74%	24.45%	6.87%	1.64%	0.93%	2.37%	0.00%	0.00%
				612,852,104	235,095,904	66,021,726	15,775,106	8,896,703	22,798,976	-	-
COM1GS	Weather Normalized Volumes	COM	1,194,623,705	51.30%	19.68%	7.24%	7.58%	0.77%	10.32%	3.10%	0.00%
				612,852,104	235,132,259	86,514,963	90,548,323	9,247,991	123,237,198	37,090,867	-
A_MAINS	Average for Mains	COM	631,663,138	56.70%	21.75%	8.00%	6.81%	0.70%	5.91%	0.13%	0.00%
				358,129,796	137,403,245	50,556,383	42,992,223	4,390,934	37,353,081	837,476	-

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DEMAND EXTERNAL ALLOCATORS											
PAVG	Peak and Average	DEM	1.0000	63.80%	23.19%	5.01%	2.88%	0.30%	3.50%	1.34%	0.00%
				0.6380	0.2319	0.0501	0.0288	0.0030	0.0350	0.0134	-
P_MAINS	Peak for Mains	DEM	1,323,590,102	70.17%	25.01%	3.97%	0.53%	0.06%	0.13%	0.13%	0.00%
				928,784,210	331,045,436	52,501,859	6,984,102	774,181	1,745,463	1,754,851	-
PDAY	Peak Day (Design Day)	DEM	10,131,080	69.76%	24.86%	3.94%	0.63%	0.07%	0.24%	0.50%	0.00%
				7,067,585	2,519,091	399,513	63,532	7,042	23,934	50,383	-
PDAYXT	Peak Day (excl. transport)	DEM	9,901,108	71.38%	25.44%	3.04%	0.07%	0.06%	0.00%	0.00%	0.00%
				7,067,585	2,519,091	301,359	6,781	6,292	-	-	-
SEAS3_DEM	Seasonal 3	DEM	1.0000	70.45%	22.65%	4.26%	0.62%	0.80%	1.21%	0.00%	0.00%
				0.70	0.23	0.04	0.01	0.01	0.01	-	-
LNGMAINS	Peak Day (excl. transport)	DIRS	9,901,108	71.38%	25.44%	3.04%	0.07%	0.06%	0.00%	0.00%	0.00%
				7,067,585	2,519,091	301,359	6,781	6,292	-	-	-
COM1XT_DEM	Weather Normalized Volumes x Transport	DEM	961,440,520	63.74%	24.45%	6.87%	1.64%	0.93%	2.37%	0.00%	0.00%
				612,852,104	235,095,904	66,021,726	15,775,106	8,896,703	22,798,976	-	-