

Exhibit ___ (JRS-4)
Docket No. UG-040640, et al.
Witness: Joelle R. Steward

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND ENERGY, INC.

Respondent.

DOCKET NO. UG-040640
DOCKET NO. UE-040641
(consolidated)

EXHIBIT TO TESTIMONY OF

JOELLE R. STEWARD

**STAFF OF THE WASHINGTON UTILITIES
AND TRANSPORTATION COMMISSION**

Public Counsel Data Request No. PC-114

September 23, 2004

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

**Docket Nos. UG-040640 and UE-040641
Puget Sound Energy, Inc.'s General Rate Case
for Gas and Electric Operations**

PUBLIC COUNSEL DATA REQUEST NO. PC-114

PUBLIC COUNSEL DATA REQUEST NO. PC-114:

Out of the line transformers allocated to the residential sector, provide a breakdown by the number of customers served per transformer. For example, indicate how many of these transformers serve a single customer, how many serve two to four customers, how many serve five to ten customers, and how many serve more than ten customers.

Response:

Attached as Attachment A to Puget Sound Energy, Inc.'s ("PSE") Response to Public Counsel Data Request No. PC-114, please find a breakdown by the number of customers served per transformer out of the line transformers allocated to the residential sector.

# of Res Customers on Transformer	# of Non-Res Customers on Transformer	Transformers	# of Residential Customers	Cumulative % of Customers	Cumulative % of Transformers
1	0	51943	51,943	6.0%	25.1% ←-----
1	1	7,932	7,932	6.9%	28.9%
1	2	1,240	1,240	7.1%	29.5%
1	3	310	310	7.1%	29.7%
1	4	134	134	7.1%	29.7%
1	5	86	86	7.1%	29.8%
1	6	41	41	7.1%	29.8%
1	7	26	26	7.1%	29.8%
1	8	22	22	7.1%	29.8%
1	9	16	16	7.1%	29.8%
1	10	15	15	7.1%	29.8%
1 >10		40	40	7.1%	29.8%
2	0	30,798	61,596	14.2%	44.7%
2	1	5,408	10,816	15.5%	47.3%
2	2	766	1,532	15.7%	47.7%
2	3	190	380	15.7%	47.8%
2	4	83	166	15.7%	47.8%
2	5	43	86	15.7%	47.8%
2	6	25	50	15.7%	47.8%
2	7	13	26	15.7%	47.9%
2	8	15	30	15.7%	47.9%
2	9	7	14	15.7%	47.9%
2	10	3	6	15.7%	47.9%
2 >10		21	42	15.8%	47.9%
3	0	19,959	59,877	22.7%	57.5%
3	1	3,091	9,273	23.7%	59.0%
3	2	499	1,497	23.9%	59.2%
3	3	149	447	24.0%	59.3%
3	4	45	135	24.0%	59.3%
3	5	20	60	24.0%	59.3%
3	6	16	48	24.0%	59.4%
3	7	11	33	24.0%	59.4%
3	8	6	18	24.0%	59.4%
3	9	4	12	24.0%	59.4%
3	10	3	9	24.0%	59.4%
3 >10		16	48	24.0%	59.4%
4	0	17,471	69,884	32.1%	67.8%
4	1	2,288	9,152	33.1%	68.9%
4	2	370	1,480	33.3%	69.1%
4	3	97	388	33.3%	69.1%
4	4	38	152	33.3%	69.2%
4	5	17	68	33.4%	69.2%
4	6	8	32	33.4%	69.2%
4	7	9	36	33.4%	69.2%
4	8	4	16	33.4%	69.2%
4	9	6	24	33.4%	69.2%
4	10	2	8	33.4%	69.2%
4 >10		13	52	33.4%	69.2%
5	0	12,253	61,265	40.4%	75.1%
5	1	1,413	7,065	41.3%	75.8%
5	2	242	1,210	41.4%	75.9%
5	3	58	290	41.4%	75.9%
5	4	15	75	41.4%	75.9%
5	5	14	70	41.4%	75.9%
5	6	2	10	41.4%	75.9%
5	7	8	40	41.5%	75.9%
5	8	2	10	41.5%	75.9%
5	9	4	20	41.5%	75.9%

# of Res Customers on Transformer	# of Non-Res Customers on Transformer	Transformers	# of Residential Customers	Cumulative % of Customers	Cumulative % of Transformers
5	10	1	5	41.5%	75.9%
5 >10		6	30	41.5%	76.0%
6	0	10,833	64,998	49.0%	81.2%
6	1	1,164	6,984	49.8%	81.7%
6	2	155	930	49.9%	81.8%
6	3	60	360	49.9%	81.8%
6	4	18	108	49.9%	81.9%
6	5	15	90	49.9%	81.9%
6	6	5	30	49.9%	81.9%
6	7	4	24	49.9%	81.9%
6	8	4	24	49.9%	81.9%
6	9	1	6	49.9%	81.9%
6	10	1	6	49.9%	81.9%
6 >10		7	42	49.9%	81.9%
7	0	7,800	54,600	56.2%	85.6%
7	1	757	5,299	56.9%	86.0%
7	2	132	924	57.0%	86.1%
7	3	35	245	57.0%	86.1%
7	4	11	77	57.0%	86.1%
7	5	4	28	57.0%	86.1%
7	6	5	35	57.0%	86.1%
7	7	5	35	57.0%	86.1%
7	8	1	7	57.0%	86.1%
7	9	1	7	57.0%	86.1%
7 > 10		4	28	57.0%	86.1%
8	0	7,028	56,224	63.5%	89.5%
8	1	1,024	8,192	64.4%	90.0%
8	2	269	2,152	64.7%	90.1%
8	3	47	376	64.7%	90.1%
8	4	22	176	64.8%	90.1%
8	5	10	80	64.8%	90.2%
8	6	6	48	64.8%	90.2%
8	7	2	16	64.8%	90.2%
8	8	1	8	64.8%	90.2%
8	9	2	16	64.8%	90.2%
8	10	2	16	64.8%	90.2%
8 > 10		5	40	64.8%	90.2%
9	0	3,555	31,995	68.5%	91.9%
9	1	479	4,311	69.0%	92.1%
9	2	115	1,035	69.1%	92.2%
9	3	20	180	69.1%	92.2%
9	4	15	135	69.1%	92.2%
9	5	4	36	69.1%	92.2%
9	6	3	27	69.1%	92.2%
9	7	1	9	69.1%	92.2%
9	8	1	9	69.1%	92.2%
9	9	2	18	69.1%	92.2%
9	10	1	9	69.1%	92.2%
9 > 10		2	18	69.1%	92.2%
10	0	2,540	25,400	72.1%	93.4%
10	1	520	5,200	72.7%	93.7%
10	2	103	1,030	72.8%	93.7%
10	3	40	400	72.8%	93.7%
10	4	13	130	72.9%	93.7%
10	5	6	60	72.9%	93.7%
10	6	2	20	72.9%	93.7%
10	7	3	30	72.9%	93.7%
10	8	1	10	72.9%	93.7%

# of Res Customers on Transformer	# of Non-Res Customers on Transformer	Transformers	# of Residential Customers	Cumulative % of Customers	Cumulative % of Transformers
10	9	4	40	72.9%	93.7%
10 > 10		4	40	72.9%	93.8%
11	0	1,459	16,049	74.7%	94.5%
11	1	305	3,355	75.1%	94.6%
11	2	101	1,111	75.2%	94.7%
11	3	25	275	75.3%	94.7%
11	4	8	88	75.3%	94.7%
11	5	5	55	75.3%	94.7%
11	6	5	55	75.3%	94.7%
11	7	1	11	75.3%	94.7%
11 > 10		1	11	75.3%	94.7%
12	0	1,686	20,232	77.6%	95.5%
12	1	746	8,952	78.7%	95.8%
12	2	184	2,208	78.9%	95.9%
12	3	76	912	79.0%	96.0%
12	4	12	144	79.0%	96.0%
12	5	8	96	79.1%	96.0%
12	6	3	36	79.1%	96.0%
12	7	4	48	79.1%	96.0%
12	8	1	12	79.1%	96.0%
12	9	1	12	79.1%	96.0%
13	0	676	8,788	80.1%	96.3%
13	1	220	2,860	80.4%	96.4%
13	2	71	923	80.5%	96.5%
13	3	14	182	80.5%	96.5%
13	4	11	143	80.6%	96.5%
13	5	2	26	80.6%	96.5%
13	6	3	39	80.6%	96.5%
13	7	4	52	80.6%	96.5%
13	8	1	13	80.6%	96.5%
13 > 10		6	78	80.6%	96.5%
14	0	456	6,384	81.3%	96.7%
14	1	231	3,234	81.7%	96.8%
14	2	78	1,092	81.8%	96.8%
14	3	20	280	81.8%	96.9%
14	4	15	210	81.9%	96.9%
14	5	3	42	81.9%	96.9%
14	9	1	14	81.9%	96.9%
15	0	344	5,160	82.5%	97.0%
15	1	176	2,640	82.8%	97.1%
15	2	92	1,380	82.9%	97.2%
15	3	24	360	83.0%	97.2%
15	4	10	150	83.0%	97.2%
15	5	3	45	83.0%	97.2%
15	8	2	30	83.0%	97.2%
15	10	1	15	83.0%	97.2%
16	0	450	7,200	83.8%	97.4%
16	1	375	6,000	84.5%	97.6%
16	2	170	2,720	84.8%	97.7%
16	3	37	592	84.9%	97.7%
16	4	50	800	85.0%	97.7%
16	5	7	112	85.0%	97.7%
16	6	5	80	85.0%	97.7%
16	7	2	32	85.0%	97.7%
16	8	1	16	85.0%	97.7%
16	9	1	16	85.0%	97.7%
16 > 10		1	16	85.0%	97.7%
17	0	143	2,431	85.3%	97.8%

# of Res Customers on Transformer	# of Non-Res Customers on Transformer	Transformers	# of Residential Customers	Cumulative % of Customers	Cumulative % of Transformers
17	1	114	1,938	85.5%	97.8%
17	2	56	952	85.6%	97.9%
17	3	20	340	85.7%	97.9%
17	4	12	204	85.7%	97.9%
17	5	3	51	85.7%	97.9%
17	6	1	17	85.7%	97.9%
17	7	1	17	85.7%	97.9%
17	8	1	17	85.7%	97.9%
17	10	1	17	85.7%	97.9%
17 > 10		1	17	85.7%	97.9%
18	0	297	5,346	86.3%	98.0%
18	1	299	5,382	87.0%	98.2%
18	2	72	1,296	87.1%	98.2%
18	3	24	432	87.2%	98.2%
18	4	11	198	87.2%	98.2%
18	5	5	90	87.2%	98.2%
18	6	6	108	87.2%	98.2%
18	7	1	18	87.2%	98.2%
18	8	1	18	87.2%	98.2%
18 > 10		1	18	87.2%	98.2%
19	0	85	1,615	87.4%	98.3%
19	1	77	1,463	87.6%	98.3%
19	2	44	836	87.7%	98.3%
19	3	13	247	87.7%	98.3%
19	4	4	76	87.7%	98.3%
19	5	2	38	87.7%	98.3%
19	6	2	38	87.7%	98.3%
19	10	1	19	87.7%	98.3%
20	0	153	3,060	88.1%	98.4%
20	1	229	4,580	88.6%	98.5%
20	2	101	2,020	88.8%	98.6%
20	3	37	740	88.9%	98.6%
20	4	17	340	89.0%	98.6%
20	5	9	180	89.0%	98.6%
20	6	1	20	89.0%	98.6%
20	7	2	40	89.0%	98.6%
20	8	1	20	89.0%	98.6%
20	9	2	40	89.0%	98.6%
> 20	0	2,903	95,444	100.0%	100.0%
Total		207,158	866,870		