

**BEFORE THE WASHINGTON  
UTILITIES & TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND ENERGY, INC.

Respondent.

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DOCKETS UE-240004 & UG-240005 (*Consolidated*)

**DAVID J. GARRETT  
ON BEHALF OF THE  
WASHINGTON STATE OFFICE OF THE ATTORNEY GENERAL  
PUBLIC COUNSEL UNIT**

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**EXHIBIT DJG-12**

Account 382.00 – Meter Installations

**August 6, 2024**

# Account 382.00 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	PSE R3-35	PC S1.5-47	PSE SSD	PC SSD
0.0	235,058,659	100.00%	100.00%	100.00%	0.0000	0.0000
0.5	228,803,068	99.91%	99.98%	100.00%	0.0000	0.0000
1.5	206,033,323	99.82%	99.92%	100.00%	0.0000	0.0000
2.5	193,340,382	99.76%	99.86%	99.99%	0.0000	0.0000
3.5	174,276,930	99.71%	99.77%	99.96%	0.0000	0.0000
4.5	166,501,937	99.65%	99.67%	99.93%	0.0000	0.0000
5.5	160,275,642	99.61%	99.54%	99.87%	0.0000	0.0000
6.5	153,575,512	99.59%	99.39%	99.80%	0.0000	0.0000
7.5	149,729,436	99.57%	99.20%	99.69%	0.0000	0.0000
8.5	144,914,853	99.55%	98.98%	99.56%	0.0000	0.0000
9.5	139,691,389	99.53%	98.72%	99.40%	0.0001	0.0000
10.5	137,295,837	99.16%	98.41%	99.20%	0.0001	0.0000
11.5	136,161,725	99.10%	98.06%	98.96%	0.0001	0.0000
12.5	132,250,832	99.05%	97.64%	98.67%	0.0002	0.0000
13.5	127,831,311	98.98%	97.16%	98.34%	0.0003	0.0000
14.5	123,849,440	98.83%	96.61%	97.96%	0.0005	0.0001
15.5	114,810,189	98.72%	95.98%	97.52%	0.0007	0.0001
16.5	102,830,631	98.50%	95.27%	97.03%	0.0010	0.0002
17.5	87,444,576	98.29%	94.47%	96.48%	0.0015	0.0003
18.5	73,099,934	98.06%	93.56%	95.86%	0.0020	0.0005
19.5	59,207,817	97.81%	92.54%	95.17%	0.0028	0.0007
20.5	43,435,422	97.51%	91.41%	94.42%	0.0037	0.0010
21.5	28,200,791	97.06%	90.15%	93.60%	0.0048	0.0012
22.5	20,788,430	96.25%	88.75%	92.70%	0.0056	0.0013
23.5	16,792,036	94.95%	87.20%	91.73%	0.0060	0.0010
24.5	15,491,783	93.68%	85.49%	90.69%	0.0067	0.0009
25.5	14,177,252	92.40%	83.60%	89.56%	0.0077	0.0008
26.5	12,995,027	91.05%	81.53%	88.36%	0.0091	0.0007
27.5	11,604,244	89.51%	79.25%	87.09%	0.0105	0.0006
28.5	10,686,605	87.94%	76.75%	85.74%	0.0125	0.0005
29.5	9,989,606	86.14%	74.02%	84.31%	0.0147	0.0003
30.5	8,686,064	84.34%	71.05%	82.81%	0.0177	0.0002
31.5	7,790,937	82.54%	67.84%	81.24%	0.0216	0.0002
32.5	6,717,676	80.70%	64.38%	79.59%	0.0266	0.0001
33.5	5,920,297	78.73%	60.69%	77.88%	0.0326	0.0001
34.5	5,117,909	76.69%	56.77%	76.10%	0.0397	0.0000
35.5	4,660,803	74.65%	52.66%	74.26%	0.0483	0.0000
36.5	4,176,073	72.45%	48.40%	72.36%	0.0578	0.0000
37.5	3,809,109	70.61%	44.03%	70.40%	0.0706	0.0000
38.5	3,643,580	68.72%	39.62%	68.40%	0.0847	0.0000
39.5	3,352,838	67.12%	35.22%	66.34%	0.1017	0.0001
40.5	2,932,102	65.61%	30.92%	64.25%	0.1203	0.0002
41.5	2,674,968	63.87%	26.78%	62.12%	0.1376	0.0003
42.5	2,203,758	62.36%	22.86%	59.96%	0.1561	0.0006
43.5	1,898,455	60.83%	19.21%	57.77%	0.1732	0.0009
44.5	1,636,947	59.48%	15.90%	55.57%	0.1900	0.0015
45.5	1,409,586	58.25%	12.92%	53.35%	0.2054	0.0024
46.5	1,291,897	56.32%	10.32%	51.12%	0.2116	0.0027

# Account 382.00 Curve Fitting

[1]	[2]	[3]	[4]	[5]	[6]	[7]
Age (Years)	Exposures (Dollars)	Observed Life Table (OLT)	PSE R3-35	PC S1.5-47	PSE SSD	PC SSD
47.5	1,205,727	55.29%	8.07%	48.88%	0.2229	0.0041
48.5	1,068,918	53.75%	6.17%	46.65%	0.2264	0.0050
49.5	981,616	52.13%	4.58%	44.43%	0.2261	0.0059
50.5	859,665	50.39%	3.29%	42.23%	0.2218	0.0067
51.5	770,884	48.66%	2.26%	40.04%	0.2153	0.0074
52.5	723,676	47.42%	1.47%	37.88%	0.2112	0.0091
53.5	585,618	46.17%	0.88%	35.75%	0.2051	0.0109
54.5	366,915	44.58%	0.48%	33.66%	0.1945	0.0119
55.5	233,465	43.18%	0.22%	31.60%	0.1845	0.0134
56.5	223,111	41.37%	0.08%	29.60%	0.1705	0.0139
57.5	152,648	40.02%	0.02%	27.64%	0.1600	0.0153
58.5	146,277	38.86%	0.00%	25.74%	0.1510	0.0172
59.5	72,600	37.57%	0.00%	23.90%	0.1412	0.0187
60.5	17,771	35.82%	0.00%	22.12%	0.1283	0.0188
61.5	8,550	34.06%	0.00%	20.41%	0.1160	0.0186
62.5	2,998	31.82%	0.00%	18.76%	0.1013	0.0170
63.5	751	27.23%	0.00%	17.19%	0.0741	0.0101
64.5	579	22.85%	0.00%	15.69%	0.0522	0.0051
65.5	430	18.76%	0.00%	14.26%	0.0352	0.0020
66.5	100	17.60%	0.00%	12.91%	0.0310	0.0022
67.5			0.00%	11.64%		
Sum of Squared Differences				[8]	4.8548	0.2331
SSD for Truncated OLT Curve (Up to 1% of Beginning Exposures)				[9]	2.8988	0.0488

[1] Age in years using half-year convention

[2] Dollars exposed to retirement at the beginning of each age interval

[3] Observed life table based on the Company's property records. These numbers form the original survivor curve.

[4] The Company's selected Iowa curve to be fitted to the OLT.

[5] My selected Iowa curve to be fitted to the OLT.

[6] =  $([4] - [3])^2$ . This is the squared difference between each point on the Company's curve and the observed survivor curve.

[7] =  $([5] - [3])^2$ . This is the squared difference between each point on my curve and the observed survivor curve.

[8] = Sum of squared differences. The smallest SSD represents the best mathematical fit.