

Exh. GAW-3
UE-240004/UG-240005/UE-230810
Witness: Glenn A. Watkins

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**DOCKETS UE-240004, UG-240005,
UE-230810 (*Consolidated*)**

EXHIBIT TO TESTIMONY OF

GLENN A. WATKINS

**ON BEHALF OF STAFF OF
WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION**

Staff Normalized and Forecasted Monthly Residential Usages Per Customer

August 6, 2024

PUGET SOUND ENERGY
Staff Normalized & Forecasted Monthly
Residential Usages Per Customer

Forecast	Month	Staff	
		Normalized	Forecasted
		HDD65 1/	UPC
2022	7	30.9	18.13
2022	8	25.1	17.23
2022	9	114.7	26.23
2022	10	354.4	55.40
2022	11	543.6	89.08
2022	12	710.7	113.59
2023	1	667.3	115.59
2023	2	590.7	98.71
2023	3	563	91.39
2023	4	416.9	59.60
2023	5	246.8	36.11
2023	6	114.5	22.57

Forecast	Month	Staff	
		Normalized	Forecasted
		HDD65 1/	UPC
2024	1	661.2	115.06
2024	2	606.3	100.07
2024	3	557.3	90.90
2024	4	409.8	58.98
2024	5	244.7	35.93
2024	6	108.9	22.08
2024	7	29.2	17.98
2024	8	22.1	16.97
2024	9	110.5	25.87
2024	10	347.8	54.82
2024	11	539.9	88.75
2024	12	698.2	112.49
2025	1	653.1	114.35
2025	2	579.4	97.72
2025	3	550.4	90.29
2025	4	405.1	58.57
2025	5	239.1	35.44
2025	6	107.1	21.92
2025	7	27.9	17.86
2025	8	21	16.87
2025	9	109.3	25.76
2025	10	344.1	54.50
2025	11	535.3	88.35
2025	12	690.5	111.82
2026	1	658.7	114.84
2026	2	579.7	97.75
2026	3	550.6	90.31
2026	4	402.5	58.34
2026	5	234.8	35.06
2026	6	103	21.56
2026	7	25.2	17.63
2026	8	18.3	16.63
2026	9	108.9	25.73
2026	10	342.6	54.36
2026	11	532.4	88.10
2026	12	687.7	111.58

1/ WUTC DR 88, Attachment C.

PUGET SOUND ENERGY
Staff Residential (Rate 23) Regression Model

<i>Regression Statistics</i>	
Multiple R	99.8139%
R Square	99.6281%
Adjusted R Square	99.5331%
Standard Error	2.617
Observations	60

ANOVA			
	<i>df</i>	<i>SS</i>	<i>MS</i>
Regression	12	86,225.98	7,185.50
Residual	47	321.87	6.85
Total	59	86,547.85	

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>
Intercept	51.4284	4.465	11.518
HDD65	0.0875	0.006	14.590
Jan	5.8013	1.687	3.439
Feb	(4.3819)	1.669	-2.625
Mar	(9.2749)	1.790	-5.182
Apr	(28.2923)	2.338	-12.103
May	(36.9005)	3.234	-11.409
Jun	(38.8769)	3.889	-9.998
Jul	(36.0049)	4.455	-8.082
Aug	(36.3949)	4.489	-8.108
Sep	(35.2268)	4.079	-8.637
Oct	(27.0279)	2.687	-10.059
Nov	(9.8939)	1.891	-5.232