

**EXH. JKP-3
DOCKETS UE-22 ___/UG-22 ___
2022 PSE GENERAL RATE CASE
WITNESS: JANET K. PHELPS**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-22 ___
Docket UG-22 ___**

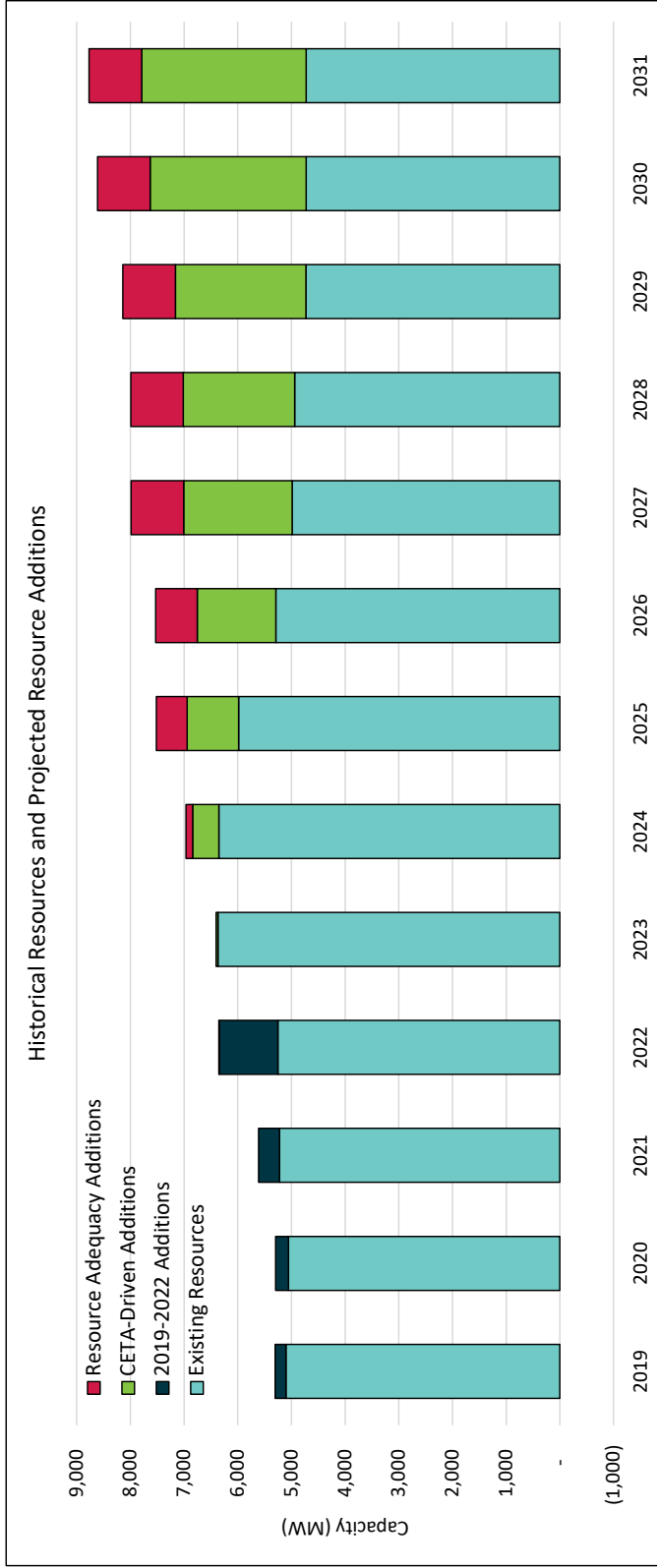
**SECOND EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF**

JANET K. PHELPS

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 31, 2022

Puget Sound Energy
PSE Historical and Projected Portfolio Capacity 2019-2031
2022 GRC Exhibit JKP 3



	Historical				Projected								
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Existing Resources Net of Known Retirements	5,104	5,054	5,221	5,250	6,367	6,350	5,986	5,289	4,987	4,938	4,732	4,725	4,726
2019-2022 Additions	200	240	390	1,095	-	-	-	-	-	-	-	-	-
CETA-Driven Additions ^{1,2}	-	-	-	7	35	492	955	1,465	2,020	2,075	2,430	2,908	3,064
Resource Adequacy Additions ³	-	-	-	-	-	122	574	776	979	979	979	979	979
Total	5,304	5,294	5,611	6,353	6,402	6,964	7,515	7,530	7,986	7,992	8,141	8,612	8,769

Cumulative Additions as a Factor of 2021 Additions

	1.0	2.8	0.1	1.6	3.9	5.7	7.7	7.8	8.7	10.0	10.4
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¹2023-2025 incremental resource assumptions from Final 2021 PSE Clean Energy Implementation Plan, December 2021, Figure 1-4 (page 7) and Table 2-8 (page 28)

²2026-2030 incremental resource assumptions from 2021 Integrated Resource Plan, Chapter 2 "Clean Energy Action Plan", Figure 2-1 (page 2-6)

³Resource adequacy assumptions from 2021 Integrated Resource Plan, Chapter 2 "Clean Energy Action Plan", Figure 2-1 (page 2-6) less 250 MW capacity from Powerex Summer Peak PPA in 2022-2024

**Puget Sound Energy
PSE Historical and Projected Portfolio Capacity 2019-2031
2022 GRC Exhibit JKP 3**

Type	Current resource capacity												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Coal	677	370	370	370	370	370	370	-	-	-	-	-	-
Combined Cycle	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308
Peaker	617	617	617	617	617	617	617	617	617	617	617	617	617
Battery	2	2	2	2	2	2	2	2	2	2	2	2	2
Hydro	263	263	263	263	263	263	263	263	263	263	263	263	263
Mid-C Hydro	684	741	805	910	936	918	882	878	779	780	574	574	574
Wind	772	772	772	772	772	772	772	772	772	772	772	772	772
Contract	982	1,222	1,475	2,104	2,099	2,100	1,772	1,450	1,247	1,197	1,197	1,190	1,191
Total	5,304	5,294	5,611	6,346	6,367	6,350	5,986	5,289	4,987	4,938	4,732	4,725	4,726
2019-2022 Additions	200	240	390	1,095	-	-	-	-	-	-	-	-	-

Type	Cumulative capacity of incremental resources ^{1,2}												
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Wind	-	-	-	-	-	200	500	700	1,100	1,100	1,300	1,500	1,600
Solar	-	-	-	-	-	200	300	300	400	400	500	698	698
DER Solar	-	-	-	7	30	55	80	110	140	170	200	230	260
Battery	-	-	-	-	-	25	50	50	50	50	50	50	50
DER Battery	-	-	-	-	5	12	25	50	75	100	125	175	201
Peaker	-	-	-	-	-	-	-	255	255	255	255	255	255
Total CETA-driven	-	-	0%	7	35	492	955	1,465	2,020	2,075	2,430	2,908	3,064
% of 2023 capacity	0%	0%	0%	0%	1%	8%	16%	28%	41%	42%	51%	62%	65%
Resource Adequacy ³	-	-	-	-	-	122	574	776	979	979	979	979	979
Total incremental	-	-	-	7	35	614	1,529	2,241	2,999	3,054	3,409	3,887	4,043
% of 2023 capacity	0%	0%	0%	0%	1%	10%	26%	42%	60%	62%	72%	82%	86%

¹ 2023-2025 incremental resource assumptions from Final 2021 PSE Clean Energy Implementation Plan, December 2021, Figure 1-4 (page 7) and Table 2-8 (page 28)

² 2026-2030 incremental resource assumptions from 2021 Integrated Resource Plan, Chapter 2 "Clean Energy Action Plan", Figure 2-1 (page 2-6)

³ Resource adequacy assumptions from 2021 Integrated Resource Plan, Chapter 2 "Clean Energy Action Plan", Figure 2-1 (page 2-6) less 250 MW capacity from Powerex Summer Peak PPA in 2022-2024