

**EXH. JAK-5
DOCKETS UE-22 ___/UG-22 ___
2022 PSE GENERAL RATE CASE
WITNESS: JOSHUA A. KENSOK**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

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

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

JOSHUA A KENSOK

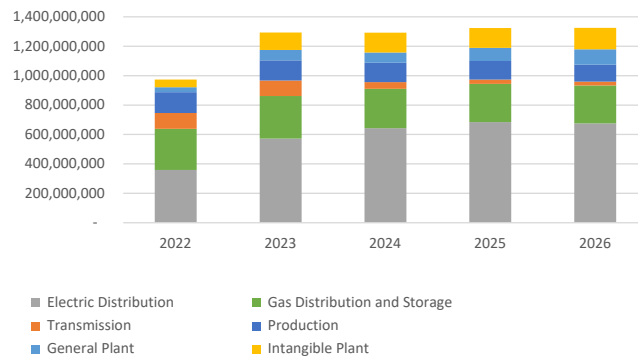
ON BEHALF OF PUGET SOUND ENERGY

JANUARY 31, 2022

Puget Sound Energy
Projected Capital Expenditures by Function Class

Line		2022	2023	2024	2025	2026
1	Production	\$ 141,133,485	\$ 136,755,703	\$ 131,105,374	\$ 125,319,379	\$ 114,871,884
2	Transmission	107,690,232	105,815,760	45,986,397	29,466,427	26,650,066
3	Electric Distribution	359,202,990	572,168,113	642,871,940	684,076,821	675,891,204
4	Intangible Plant	53,022,410	118,500,888	134,502,289	134,718,969	145,436,051
5	General Plant	33,106,530	70,959,220	70,210,096	89,451,525	104,594,296
6	Gas Distribution and Storage	279,779,479	288,904,926	267,464,617	260,575,343	257,376,113
7	Total	\$ 973,935,127	\$ 1,293,104,610	\$ 1,292,140,713	\$ 1,323,608,464	\$ 1,324,819,613

Source: "Annual CWIP Closings with WBS, FERC 300, and Functional Class REVISED_provide to Josh Kensock on 12.06.2021.xlsx", worksheet "pivot"



**Puget Sound Energy
Projected Gross Plant Additions**

Line		2022	2023	2024	2025	2026
1	Production	\$ 65,763,362	\$ 36,797,495	\$ 46,656,578	\$ 519,157,921	\$ 88,179,304
2	Transmission	124,256,498	63,046,165	304,040,726	33,970,663	29,426,329
3	Electric Distribution	231,157,092	501,738,943	462,331,003	513,436,359	513,249,789
4	Intangible Plant	62,737,560	123,280,365	125,840,833	129,392,056	163,200,020
5	General Plant	61,615,051	100,274,745	66,955,477	86,209,002	104,797,468
6	Gas Distribution and Storage	471,390,255	331,385,395	262,728,546	284,120,365	253,511,572
7	Total	\$1,016,919,818	\$1,156,523,108	\$1,268,553,162	\$1,566,286,368	\$1,152,364,481

Source: "Annual CWIP Closings with WBS, FERC 300, and Functional Class REVISED_provide to Josh Kensock on 12.06.2021.xlsx", worksheet "pivot"

Board Approved Plant Closings									
Line	Description	Witness	Close Date / Method	Jul - Dec 2021	2022	2023	2024	2025	Total
4	Programmatic: Customer Driven			\$ (91,770,987)	\$ (124,298,417)	\$ (108,578,689)	\$ (100,820,495)	\$ (94,319,440)	\$ (519,788,029)
5	CIAC - Electric	C Koch	Quarterly / (1)	6,864,414	17,388,700	6,382,400	6,382,400	6,563,493	43,581,407
6	CIAC - Gas	C Koch	Quarterly / (1)	1,073,770	1,548,400	3,005,100	3,005,100	3,090,366	11,722,736
7	Customer Construction Electric	C Koch	Monthly / (2)	(24,745,950)	(8,026,289)	(4,503,421)	(6,190,085)	(8,475,201)	(51,940,946)
8	Customer Construction Gas	C Koch	Monthly / (2)	(50,061,440)	(112,076,224)	(103,521,297)	(93,429,905)	(83,911,415)	(443,000,281)
9	PI Electric	C Koch	Monthly / (2)	(17,831,893)	(13,427,257)	(9,797,539)	(10,568,508)	(11,575,505)	(63,200,702)
10	PI Gas	C Koch	Monthly / (2)	(7,069,889)	(9,705,748)	(143,932)	(19,495)	(11,178)	(16,950,243)
11	Programmatic: Programmatic			\$ (182,724,105)	\$ (401,921,522)	\$ (756,987,304)	\$ (662,003,629)	\$ (739,126,210)	\$ (2,742,762,771)
12	AMI Meters and Modules Deployment - Common	C Koch	Mar-22 Subs. Compl.	(407,404)	(42,532,246)	-	-	-	(42,939,650)
13	AMI Meters and Modules Deployment - Electric	C Koch	Dec-23 Subs. Compl.	1,039,091	(1,283,134)	(104,544,526)	-	-	(104,788,570)
14	AMI Meters and Modules Deployment - Gas	C Koch	Dec-23 Subs. Compl.	188,938	-	(62,537,805)	-	-	(62,348,866)
15	Capacity Electric	C Koch	Various / (1)(2)	(2,314,430)	(3,072,519)	(39,876,501)	(61,757,337)	(81,882,995)	(188,903,781)
16	Capacity Gas	C Koch	Various / (1)(3)	(3,582,639)	(4,938,755)	(21,673,797)	(21,552,281)	(23,137,913)	(74,885,366)
17	Colstrip 3&4	Roberts	Monthly / (2)	(7,450,310)	(3,052,500)	(4,159,680)	(19,150,880)	(13,942,880)	(47,756,250)
18	Data Center Hardware Refresh	Tamayo	Dec-23	-	-	(19,898,747)	-	-	(19,898,747)
19	DER Microgrid Circuit Enablement	C Koch	Monthly / (2)	-	-	(14,143,414)	(16,500,650)	(23,572,357)	(54,216,420)
20	Emergent Electric	C Koch	Various / (1)(2)(3)	(31,813,021)	(58,072,643)	(59,486,848)	(56,884,966)	(58,451,084)	(264,708,563)
21	Emergent Gas	C Koch	Various / (1)(2)(3)	(6,848,140)	(18,021,826)	(21,051,626)	(22,489,362)	(22,331,892)	(90,742,846)
22	EV Circuit	C Koch	Monthly / (2)	-	(3,158,696)	(7,165,996)	(11,314,731)	(13,200,520)	(34,839,943)
23	Gas Modernization	C Koch	Various / (1)(2)(3)	(6,298,230)	(19,964,351)	(24,475,978)	(25,562,133)	(25,793,304)	(102,093,997)
24	Grid Modernization	C Koch	Various / (1)(2)(3)	(47,190,187)	(141,899,987)	(207,850,804)	(226,502,224)	(245,456,514)	(868,899,716)
25	GTZ	Tamayo	Dec-21	(26,919,355)	-	-	-	-	(26,919,355)
26	IT Operational Program	Tamayo	Various / (2)(3)	(16,017,565)	(28,780,121)	(31,095,449)	(34,355,456)	(35,809,920)	(146,058,511)
27	Major Projects Electric	Bamba	Monthly / (2)	(11,787,072)	(18,519,243)	(17,216,827)	(10,803,995)	(11,586,097)	(69,913,233)
28	Major Projects Gas	Bamba	Monthly / (2)	(729,601)	(3,362,350)	(576,038)	(576,038)	(576,038)	(5,820,063)
29	Pipe Replacement	C Koch	Monthly / (2)	(22,576,065)	(53,168,012)	(59,664,371)	(61,115,805)	(62,432,753)	(258,957,005)
30	Resilience Enhancement	C Koch	Monthly / (2)	-	(966,467)	(4,266,597)	(8,981,068)	(8,981,068)	(23,195,199)
31	Renewable Natural Gas and Alternative Fuels	Jacobs	Monthly / (2)	-	-	(28,888,675)	(28,888,675)	(28,888,675)	(86,666,026)
32	Transportation Electrification Plan	Einstein	Monthly / (2)	-	-	(10,270,211)	(14,192,842)	(13,846,914)	(38,309,967)
33	Underground Feeders	C Koch	Monthly / (2)	-	-	(14,143,414)	(23,572,357)	(23,572,357)	(61,288,127)
34	Customer Sited Energy Storage	Einstein	Jul-22, monthly 2023 - 2025	(18,115)	(1,128,673)	(4,000,000)	(17,802,831)	(45,662,930)	(68,612,550)
35	Specific: Specific			\$ (23,417,947)	\$ (332,939,132)	\$ (40,587,407)	\$ (329,161,126)	\$ (519,669,036)	\$ (1,245,774,648)
36	Bainbridge Tlines Trans	Bamba	Dec-22, Mar-23, monthly 2023 - 2025	-	(7,967,622)	(12,558,884)	(15,657,360)	(1,036,911)	(37,220,777)
37	Control Center	Reyes	Dec-24	-	-	-	(15,566,391)	-	(15,566,391)
38	Energize Eastside	D Koch	Dec-22 and Sep-24	-	(40,119,811)	-	(256,428,722)	(254,417)	(296,802,951)
39	Goldendale MM	Carlson	Dec-21, monthly 2022	(23,454,106)	9,590,572	-	-	-	(13,863,533)
40	LNG	Roberts	Jan-22	-	(239,413,150)	-	-	-	(239,413,150)
41	Lower Baker Dam Grouting Program	Blood	Dec-25	-	-	-	-	-	(436,459,992)
42	Marine Crossing	Bamba	Oct-25	(2,600)	(1,256,366)	-	-	(27,829,948)	(29,088,914)
43	Mint Farm MM	Carlson	Monthly 2022 and 2023	-	(14,828,423)	4,193,238	-	-	(10,635,184)
44	Rooftop Solar	Einstein	Monthly 2023 through 2025	-	-	(13,000,000)	-	-	(43,173,147)
45	Sammamish Juanita 115kV Tline	Bamba	Dec-22, monthly 2023	-	(22,989,917)	(9,047,247)	-	-	(32,037,164)
46	SAP S/4 Hana	Tamayo	Dec 2024, Dec 2025	-	-	-	(10,030,790)	-	(20,061,580)
47	Thurston Transmission Capacity	Bamba	Dec-22, monthly 2023	-	(15,952,967)	(10,173,067)	-	-	(26,126,034)
48	Transport Network Modernization	Tamayo	Dec-24, monthly 2025	(119)	-	-	(8,932,972)	(2,204,079)	(11,137,171)
49	Fredonia Hot Gas Path	Carlson	Dec-24, Dec-25	38,877	(1,448)	(1,448)	(6,845,797)	(27,378,846)	(34,188,661)

Board Approved Plant Closings									
Line Description	Close Date / Method	Witness	Jul - Dec 2021	2022	2023	2024	2025	Total	
50	Projected		\$ (108,578,269)	\$ (150,616,787)	\$ (241,295,468)	\$ (168,846,632)	\$ (192,422,563)	\$ (861,759,719)	
51	Customer Care and Communications		(582,040)	-	(9,687,068)	(30,274,150)	(12,190,252)	(52,733,510)	
52	Energy Storage and Production		(26,578,336)	(60,375,049)	(33,931,693)	(20,187,727)	(29,231,466)	(170,304,272)	
53	Finance		(3,500,090)	(3,675,133)	(3,769,400)	(3,863,613)	(3,957,827)	(18,766,063)	
54	Human Resources and Compliance		(982,124)	(391,000)	(2,590,184)	(2,756,000)	(2,756,000)	(9,475,308)	
55	IT and Facilities		(50,138,078)	(53,008,488)	(99,164,412)	(45,509,087)	(80,813,610)	(328,633,675)	
56	New Products and Clean Energy Strategy		(9,416,259)	(6,996,453)	(27,433,403)	(19,757,071)	(11,262,860)	(74,866,046)	
57	Operations		(17,381,342)	(26,170,663)	(64,719,308)	(46,498,983)	(52,210,548)	(206,980,844)	
58	Total Included in Multi Year Rate Plan		(406,491,308)	(1,009,775,858)	(1,147,448,868)	(1,260,831,882)	(1,545,537,249)	(5,370,085,166)	
59	Removed		\$ (4,555,031)	\$ (245,708,457)	\$ (9,074,240)	\$ (7,721,280)	\$ (20,749,119)	\$ (287,808,127)	
60	PLNG		(5,609)	(238,564,497)	-	-	-	(238,570,106)	
61	Colstrip 3&4 Remediation		(4,607,300)	(7,143,960)	(9,074,240)	(7,721,280)	(20,749,119)	(49,295,899)	
62	Other		57,878	-	-	-	-	57,878	
63	Total Board Approved		(411,046,339)	(1,255,484,315)	(1,156,523,108)	(1,268,553,162)	(1,566,286,368)	(5,657,893,293)	

Methods:

- ① - Closes based on a historical trend
- ② - Closes in the same month that the capital expenditure is incurred
- ③ - Uses a specified in-service date

**Puget Sound Energy
Projected Operating & Maintenance Expense**

	Electric				
	2022	2023	2024	2025	2026
Forecast Summary					
Generation	115,193,270	122,063,433	122,574,032	129,968,331	125,051,445
Transmission	28,139,416	29,549,113	30,294,128	31,276,194	32,853,732
Distribution	94,694,357	99,557,748	102,099,903	105,549,857	110,099,309
Customer Accounts	55,181,760	51,933,278	53,321,383	54,307,285	55,690,383
Customer Service	25,511,987	33,066,898	34,170,017	36,745,349	30,426,847
Admin and General	152,560,036	198,533,914	206,624,460	213,966,692	230,515,304
Total	471,280,825	534,704,386	549,083,922	571,813,707	584,637,020

	Gas				
	2022	2023	2024	2025	2026
Forecast Summary					
Generation	11,463,050	12,148,657	12,449,724	12,759,295	12,773,082
Transmission	-	-	-	-	-
Distribution	66,032,913	71,456,351	73,411,935	76,007,135	78,139,682
Customer Accounts	28,733,202	28,745,194	29,511,809	29,982,113	30,686,150
Customer Service	8,011,272	8,331,587	8,416,189	8,442,026	8,522,020
Admin and General	64,417,447	80,528,578	83,291,788	85,049,763	87,753,971
Total	178,657,884	201,210,367	207,081,445	212,240,330	217,874,905

	Total				
	2022	2023	2024	2025	2026
Forecast Summary					
Generation	126,656,320	134,212,090	135,023,756	142,727,626	137,824,527
Transmission	28,139,416	29,549,113	30,294,128	31,276,194	32,853,732
Distribution	160,727,269	171,014,099	175,511,838	181,556,991	188,238,992
Customer Accounts	83,914,961	80,678,473	82,833,193	84,289,398	86,376,533
Customer Service	33,523,258	41,398,485	42,586,206	45,187,374	38,948,867
Admin and General	216,977,484	279,062,492	289,916,248	299,016,454	318,269,275
Total	649,938,708	735,914,752	756,165,368	784,054,037	802,511,926

Below the Line	10,866,154	10,086,611	12,380,012	14,873,369	15,095,909
PLNG	6,215,772	6,195,277	6,257,955	6,353,008	6,543,598
Total	667,020,635	752,196,640	774,803,335	805,280,414	824,151,433
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