

**EXH. SEF-21
DOCKETS UE-22 ___/UG-22 ___
2022 PSE GENERAL RATE CASE
WITNESS: SUSAN E. FREE**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

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

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

SUSAN E. FREE

ON BEHALF OF PUGET SOUND ENERGY

JANUARY 31, 2022

Program Detail of Provisional Pro Forma Rate Base and Depreciation Expense - Electric

Name	Witness	2021		2022		2023		2024		2025	
		Rate Base (EOP)	Dep Exp	Rate Base (EOP)	Dep Exp	Rate Base (ANMA)	Dep Exp	Rate Base (ANMA)	Dep Exp	Rate Base (ANMA)	Dep Exp
Programmatic (Adjustments 6.31)											
AMI Meters and Modules Deployment - Electric	C Koch	\$ (734,206)	\$ (16,282)	\$ 26,366,907	\$ 1,477,395	\$ 27,732,116	\$ 2,087,358	\$ 118,669,988	\$ 6,846,403	\$ 108,230,740	\$ 6,846,403
Capacity Electric	C Koch	2,278,787	20,285	5,192,500	120,960	24,429,144	762,208	73,158,878	2,274,154	140,925,369	4,427,056
Colstrip 3&4	Roberts	7,259,151	166,039	9,610,472	711,850	11,263,209	897,507	21,681,803	1,728,869	35,900,014	2,909,142
Customer Sited Energy Storage	Einstein	17,294	352	1,090,016	26,771	2,956,916	157,340	13,100,294	702,636	42,159,801	2,290,062
Data Center Hardware Refresh	Tamayo	-	-	-	-	289,312	109,344	11,023,766	2,624,247	8,229,904	2,624,247
DER Microgrid Circuit Enablement	C Koch	-	-	-	-	6,953,308	259,673	21,644,477	822,298	40,304,527	1,558,039
Emergent Electric	C Koch	31,344,038	249,645	86,886,665	1,917,213	114,087,416	3,861,878	166,137,314	5,743,225	215,428,953	7,599,750
EV Circuit	C Koch	-	-	2,847,736	225,689	5,870,340	968,107	13,073,418	2,295,023	21,465,918	4,055,218
Grid Modernization	C Koch	46,434,014	371,180	182,987,620	3,835,509	274,271,098	10,717,946	476,674,563	20,232,965	682,974,784	28,179,524
GTZ	Tamayo	25,893,977	688,174	21,882,995	2,691,936	19,925,987	2,691,936	16,139,024	2,691,936	13,258,652	2,691,936
IT Operational Program - Electric	Tamayo	10,329,595	202,905	24,756,480	3,994,439	30,838,822	7,899,945	41,115,337	12,192,291	48,537,972	16,623,026
Major Projects Electric	Bamba	11,624,515	30,265	29,214,658	609,911	33,101,761	1,044,707	49,051,158	1,360,279	58,225,798	1,704,104
Resilience Enhancement	C Koch	-	-	938,476	16,663	2,995,584	109,207	9,277,678	342,571	17,501,335	658,984
TEP	Einstein	-	-	-	-	4,734,679	737,401	14,886,573	2,493,848	24,527,981	4,507,103
UG Feeders	C Koch	-	-	-	-	6,967,135	194,733	25,234,192	714,023	47,422,655	1,363,134
Subtotal Programmatic		134,447,166	1,712,562	391,774,525	15,628,337	566,416,528	32,499,289	1,070,868,462	63,064,769	1,505,094,403	88,037,727
Programmatic - Customer Driven (Adjustments 6.32)											
CIAC - Electric	C Koch	(6,772,187)	(47,502)	(23,524,187)	(497,571)	(26,167,355)	(919,635)	(31,291,617)	(1,133,507)	(36,268,543)	(1,350,412)
Customer Construction Electric	C Koch	24,325,428	166,297	30,990,512	975,182	32,417,580	1,170,825	36,048,568	1,343,168	41,491,067	1,582,940
PI Electric	C Koch	17,565,739	148,767	29,974,273	792,676	34,337,034	1,177,432	42,628,722	1,532,470	51,559,524	1,917,492
Subtotal Programmatic - Customer Driven		35,118,981	267,562	37,440,598	1,270,287	40,587,259	1,428,621	47,385,673	1,742,131	56,782,049	2,150,200
Specific (Adjustments 6.33)											
Bainbridge Times Trans	Bamba	-	-	7,877,398	8,309	14,821,642	549,581	26,301,990	978,189	32,754,134	1,170,899
Control Center	Reyes	-	-	-	-	-	-	427,687	-	10,264,478	-
Energize Eastside	D Koch	-	-	39,803,106	38,738	39,230,943	782,266	111,231,208	2,493,808	284,659,718	6,665,814
Fredonia Hot Gas Path	Carlson	(38,433)	(45)	(35,376)	(1,075)	(34,160)	(2,115)	220,837	14,108	7,518,452	450,004
Goldendale MIM	Carlson	23,141,752	83,653	11,922,187	1,597,195	11,446,138	917,766	10,501,861	917,766	9,579,395	917,766
Lower Baker Dam Grouting Program	Blood	-	-	-	-	-	-	-	-	16,581,358	298,248
Mint Farm MM	Carlson	-	-	14,147,917	664,313	11,301,620	1,492,168	7,937,436	1,246,444	6,778,625	1,246,444
Rooftop Solar	Einstein	-	-	-	-	6,153,880	342,550	18,935,733	1,098,771	30,992,537	1,893,833
Sammamish Juanita 115kv Tline	Bamba	-	-	22,726,955	27,301	26,718,768	722,231	30,036,920	840,976	28,806,211	840,976
SAP S/4 Hana	Tamayo	-	-	-	-	-	-	3,110,126	330,715	8,750,626	992,146
Thurston Transmission Capacity	Bamba	-	-	15,772,595	16,285	20,466,225	528,091	24,612,962	655,763	23,627,748	655,763
Transport Network Modernization	Tamayo	71	7	50	20	40	20	207,329	62,495	5,635,945	1,684,544
Subtotal Specific		23,103,389	83,615	112,214,832	2,351,085	130,105,096	5,332,557	233,524,088	8,639,035	465,949,227	16,816,437
Total Project Detail		\$ 192,669,536	\$ 2,063,739	\$ 541,429,955	\$ 19,249,709	\$ 737,108,882	\$ 39,260,467	\$ 1,351,778,223	\$ 73,445,935	\$ 2,027,825,680	\$ 107,004,184

Program Detail of Provisional Pro Forma Rate Base and Depreciation Expense - Natural Gas

Name	2021		2022		2023		2024		2025	
	Rate Base (EOP)	Dep Exp	Rate Base (EOP)	Dep Exp	Rate Base (AMA)	Dep Exp	Rate Base (AMA)	Dep Exp	Rate Base (AMA)	Dep Exp
Programmatic (Adjustments 11.31)										
AMI Meters and Modules Deployment - Gas	\$ (51,655)	\$ 1,453	\$ 13,272,346	\$ 763,281	\$ 13,882,025	\$ 1,110,999	\$ 67,737,656	\$ 4,490,794	\$ 60,354,206	\$ 4,490,794
Capacity Gas	3,540,668	17,244	8,244,615	178,699	11,029,274	339,864	39,107,174	1,228,056	59,701,022	1,888,504
Data Center Hardware Refresh	-	-	-	-	149,438	56,479	5,694,108	1,355,503	4,250,994	1,355,503
Emergent Gas	6,748,448	57,838	24,128,353	501,038	33,890,733	1,326,854	53,961,999	2,155,406	73,040,476	2,982,526
Gas Modernization	6,223,440	31,473	25,491,842	558,131	36,759,919	1,389,651	59,773,349	2,312,707	82,138,595	3,252,155
IT Operational Program - Gas	5,222,978	101,027	12,683,545	2,061,855	15,830,175	4,079,168	21,149,064	6,296,294	24,988,855	8,584,903
Major Projects Gas	722,863	1,256	4,003,846	46,252	4,206,937	123,181	4,597,880	142,997	4,971,284	162,813
Pipe Replacement	22,268,822	163,868	73,596,718	1,366,035	101,244,162	3,618,232	156,033,626	5,696,520	209,647,325	7,820,746
Renewable Natural Gas and Alternative Fuels	-	-	-	-	13,905,211	505,552	40,434,281	1,516,655	64,871,312	2,527,758
Subtotal Programmatic	44,675,564	374,159	161,421,264	5,475,291	230,897,875	12,549,979	448,489,136	25,194,932	583,964,069	33,065,701
Programmatic - Customer Driven (Adjustments 11.32)										
CIAC - Gas	(1,059,302)	(7,609)	(2,543,224)	(45,577)	(3,976,736)	(113,278)	(6,777,219)	(195,808)	(9,513,186)	(279,509)
Customer Construction Gas	49,359,947	351,937	157,539,781	2,797,824	206,231,473	6,297,353	294,321,601	8,960,021	369,908,928	11,369,332
PI Gas	6,978,140	45,663	16,316,050	233,198	16,131,372	424,121	15,611,060	425,551	15,066,261	425,905
Subtotal Programmatic - Customer Driven Specific (Adjustments 11.33)	55,278,786	389,990	171,312,607	2,985,445	218,386,108	6,608,196	303,155,443	9,189,765	375,462,003	11,515,728
Control Center	-	-	-	-	-	-	220,913	-	5,301,913	-
LNG	-	-	234,235,623	5,804,771	231,584,793	5,099,500	226,267,319	5,099,500	220,949,391	5,099,500
Marine Crossing	2,561	23	1,236,198	16,197	1,214,140	32,821	1,169,804	32,821	6,809,059	183,973
SAP S/4 Hana	-	-	-	-	-	-	1,606,474	170,824	4,519,962	512,473
Transport Network Modernization	37	3	26	10	21	10	107,092	32,281	2,911,136	870,118
Subtotal Specific	2,597	27	235,471,847	5,820,979	232,798,955	5,132,332	229,371,601	5,335,427	240,491,461	6,666,064
Total Project Detail	\$ 99,956,947	\$ 764,176	\$ 568,205,718	\$ 14,281,715	\$ 682,082,937	\$ 24,290,507	\$ 981,016,179	\$ 39,720,124	\$ 1,199,917,532	\$ 51,247,494