Exh. RMM-5 Dockets UE-220066, UG-220067, UG-210918 Witness: Roxie M. McCullar

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

In the Matter of the Petition of

PUGET SOUND ENERGY

For an Order Authorizing Deferred Accounting Treatment for Puget Sound Energy's Share of Costs Associated with the Tacoma LNG Facility DOCKETS UE-220066, UG-220067, UG-210918 (consolidated)

EXHIBIT TO TESTIMONY OF

ROXIE M. McCULLAR

ON BEHALF OF STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Staff's Proposed Depreciation Rates for PSE's Natural Gas Plant

July 28, 2022

Puget Sound Energy - Washington Statement A: Summary of Depreciation Rates and Annual Accrual Amounts As of June 30, 2021

			Curren	t Approved	PSE Proposed				Staff Proposed				
						-	Difference			Difference	Difference		
		6/30/21	Accrual	Accrual	Accrual	Accrual	from	Accrual	Accrual	from	from		
Account	Description	Investment	Rate	Amount	Rate	Amount	Current	Rate	Amount	Current	Company		
	А	В	С	D	E	F	G	Н	I	J	К		
	NATURAL GAS PLANT												
Undergrour	nd Storage Plant												
350.30	Easements	33,641	3.28%	1,103	3.35%	1,127	24	3.35%	1,127	24	0		
351.10	Struct. & Improv Wells	300,408	1.63%	4,897	2.30%	6,901	2,004	2.30%	6,901	2,004	0		
351.20	Struct. & Improv Compressor Stations	558,789	2.51%	14,026	2.96%	16,555	2,529	2.96%	16,555	2,529	0		
351.30	Struct. & Improv Meas. & Reg. Eq.	2,245	1.83%	41	1.78%	40	(1)	1.78%	40	(1)	0		
351.40	Struct. & Improv Other	232,605	2.80%	6,513	3.48%	8,093	1,580	3.48%	8,093	1,580	0		
352.00	Wells	15,987,736	1.80%	287,779	3.88%	620,737	332,958	3.88%	620,737	332,958	0		
352.20	Reservoirs	1,757,701	1.49%	26,190	1.46%	25,652	(538)	1.46%	25,652	(538)	0		
352.30	Non-Recoverable Natural Gas	4,185,431	1.88%	78,686	1.87%	78,413	(273)	1.87%	78,413	(273)	0		
353.00	Lines	3,330,267	2.25%	74,931	2.83%	94,321	19,390	2.83%	94,321	19,390	0		
354.00	Compressor Station Equipment	22,761,439	3.06%	696,500	3.44%	782,098	85,598	3.44%	782,098	85,598	0		
355.00	Measuring & Regulating Equipment	1,336,294	4.21%	56,258	4.53%	60,509	4,251	4.53%	60,509	4,251	0		
356.00	Purification Equipment	2,821,446	2.73%	77,025	2.88%	81,345	4,320	2.88%	81,345	4,320	0		
357.00	Other Equipment	460,436	5.24%	24,127	6.07%	27,951	3,824	6.07%	27,951	3,824	0		
Total Under	rground Storage Plant	53,768,438	2.51%	1,348,076	3.35%	1,803,742	455,666	3.35%	1,803,742	455,666	0		
Other Stora	ge Plant												
361.00	Structures and Improvements	4,155,602	2.50%	103,890	2.68%	111,540	7,650	2.68%	111,540	7,650	0		
362.00	Gas Holders	3,683,221	3.48%	128,176	2.45%	90,339	(37,837)	2.45%	90,339	(37,837)	0		
363.00	Purification Equipment	3,984,039	2.63%	104,780	2.51%	100,124	(4,656)	2.51%	100,124	(4,656)	0		
364.00	Transportation Equipment	970,581	2.32%	22,517	3.43%	33,278	10,761	3.43%	33,278	10,761	0		
Total Other	Storage Plant	12,793,443	2.81%	359,363	2.62%	335,281	(24,082)	2.62%	335,281	(24,082)	0		
Distributior	n Plant												
374.20	Easements	5,872,628	1.58%	92,788	1.44%	84,298	(8,490)	1.44%	84,298	(8,490)	0		
374.30	Easements - From Transmission	7,998,816	1.45%	115,983	1.31%	104,477	(11,506)	1.31%	104,477	(11,506)	0		
375.00	Structures and Improvements	20,911,479	2.53%	529,060	2.13%	445,119	(83,941)	2.13%	445,119	(83,941)	0		
376.20	Mains - Plastic	1,650,292,823	2.44%	40,267,145	2.76%	45,596,048	5,328,903	2.76%	45,596,048	5,328,903	0		
376.40	Mains - Wrapped Steel	641,370,545	2.21%	14,174,289	2.25%	14,426,476	252,187	2.25%	14,426,476	252,187	0		
376.50	Mains - Cathodic Protection	40,620,887	3.58%	1,454,228	3.71%	1,507,935	53,707	3.71%	1,507,935	53,707	0		
378.00	Measuring & Regulating Station Eq.	137,650,880	4.13%	5,684,981	3.44%	4,741,147	(943,834)	3.44%	4,741,147	(943,834)	0		
380.10	Services - Cathodic Protection	22,541,763	3.51%	791,216	3.60%	812,316	21,100	3.60%	812,316	21,100	0		
380.20	Services - Plastic	1,301,449,909	3.20%	41,646,397	4.03%	52,439,991	10,793,594	3.37%	43,919,391	2,272,994	(8,520,600)		
380.30	Services - Wrapped Steel	39,871,195	3.94%	1,570,925	8.04%	3,203,901	1,632,976	6.54%	2,609,260	1,038,335	(594,641)		
381.00	Meters	94,364,570	4.07%	3,840,638	3.50%	3,298,170	(542,468)	3.50%	3,298,170	(542,468)	0		
381.20	Meters Modules - AMI	50,561,415	5.25%	2,654,474	5.28%	2,670,467	15,993	5.28%	2,670,467	15,993	0		
201.20		56,561,115	0.2070	_,	5.20/0	_,,,,	_0,000	0.20/0	_,,,,	_3,333	v		

Puget Sound Energy - Washington Statement A: Summary of Depreciation Rates and Annual Accrual Amounts As of June 30, 2021

			Current	Approved		PSE Propose	d	Staff Proposed				
					Difference				Difference	Difference		
		6/30/21	Accrual	Accrual	Accrual	Accrual	from	Accrual	Accrual	from	from	
Account	Description	Investment	Rate	Amount	Rate	Amount	Current	Rate	Amount	Current	Company	
	A	В	С	D	E	F	G	Н	I	J	К	
	NATURAL GAS PLANT											
382.00	Meter Installations	200,933,504	2.25%	4,521,004	2.91%	5,841,708	1,320,704	2.91%	5,841,708	1,320,704	0	
382.20	Meter Module Installations - AMI	16,989,455	5.25%	891,946	5.68%	964,788	72,842	5.68%	964,788	72,842	0	
383.00	House Regulators	19,923,870	1.44%	286,904	1.97%	391,555	104,651	1.97%	391,555	104,651	0	
384.00	House Regulator Installations	83,425,040	1.81%	1,509,993	1.92%	1,604,892	94,899	1.92%	1,604,892	94,899	0	
385.00	Industrial Measuring & Regulating Station Eq.	51,182,421	6.85%	3,505,996	5.12%	2,619,749	(886,247)	5.12%	2,619,749	(886,247)	0	
387.00	Other Equipment	5,455,772	12.05%	657,420	10.13% 552,805 (104,61		(104,615)	10.13%	552,805	(104,615)	0	
Total Distribution Plant		4,391,416,969	2.83%	124,195,387	3.22%	141,305,842	17,110,455	3.01%	132,190,600	7,995,213	(9,115,242)	
General Pla	nt											
390.00	Structures and Improvements	18,903,659	2.78%	525,522	2.35%	443,608	(81,914)	2.35%	443,608	(81,914)	0	
391.10	Office Furniture & Equipment	3,141,752	5.00%	157,088	5.00%	157,088	0	5.00%	157,088	0	0	
391.20	Office Furniture & Equipment - Computers	1,910,494	20.00%	382,099	20.00%	382,099	0	20.00%	382,099	0	0	
392.00	Transportation Equipment	3,694,493	4.53%	167,361	4.69%	173,316	5,955	4.69%	173,316	5,955	0	
394.00	Tools, Shop, & Garage Equipment	7,110,166	5.00%	355,508	5.00%	355,508	0	5.00%	355,508	0	0	
395.00	Laboratory Equipment	2,750,795	5.00%	137,540	5.00%	137,540	0	5.00%	137,540	0	0	
396.00	Power Operated Equipment	16,711	6.43%	1,075	11.93%	1,993	918	11.93%	1,993	918	0	
397.00	Communication Equipment	3,121,455	6.67%	208,097	6.67%	208,097	0	6.67%	208,097	0	0	
398.00	Miscellaneous Equipment	155,624	6.67%	10,375	6.67%	10,375	0	6.67%	10,375	0	0	
Total Gener	al Plant	40,805,151	4.77%	1,944,665	4.58%	1,869,624	(75,041)	4.58%	1,869,624	(75,041)	0	
											10	
Total Depreciable Natural Gas Plant		4,498,784,001	2.84%	127,847,491	3.23%	145,314,489	17,466,998	3.03%	136,199,247	8,351,756	(9,115,242)	

Puget Sound Energy - Washington Statement B: Staff Calculation of Depreciation Rates As of June 30, 2021

					Future Net				
		6/30/21	6/30/21 Book	Percent	Salvage	Net Plant to be	Rem.	Annual	Annual
Account	Description	Investment	Reserve	Reserve	Percent	Recovered	Life	Rate	Accrual
	A						-		
	NATURAL GAS PLANT								
Undergrour	nd Storage Plant								
350.30	Easements	33,641	8,850	26.31%	0%	24,791	22.0	3.35%	1,127
351.10	Struct. & Improv Wells	300,408	197,024	65.59%	-5%	118,405	17.2	2.29%	6,884
351.20	Struct. & Improv Compressor Stations	558,789	257,544	46.09%	-5%	329,185	19.9	2.96%	16,542
351.30	Struct. & Improv Meas. & Reg. Eq.	2,245	1,888	84.10%	-5%	469	11.7	1.79%	40
351.40	Struct. & Improv Other	232,605	83,415	35.86%	-5%	160,820	19.9	3.47%	8,081
352.00	Wells	15,987,736	7,239,454	45.28%	-25%	12,745,216	20.5	3.89%	621,718
352.20	Reservoirs	1,757,701	1,291,536	73.48%	-5%	554,051	21.6	1.46%	25,650
352.30	Non-Recoverable Natural Gas	4,185,431	2,460,341	58.78%	0%	1,725,089	22.0	1.87%	78,413
353.00	Lines	3,330,267	2,025,588	60.82%	-20%	1,970,732	20.9	2.83%	94,293
354.00	Compressor Station Equipment	22,761,439	9,165,671	40.27%	-10%	15,871,912	20.3	3.44%	781,868
355.00	Measuring & Regulating Equipment	1,336,294	433,116	32.41%	-5%	969,993	16.0	4.54%	60,625
356.00	Purification Equipment	2,821,446	1,371,648	48.62%	-5%	1,590,870	19.6	2.88%	81,167
357.00	Other Equipment	460,436	81,509	17.70%	0%	378,927	13.6	6.05%	27,862
Total Under	ground Storage Plant	53,768,438	24,617,585	45.78%	-14%	36,440,459	20.2	3.36%	1,804,270
Other Stora	0								
361.00	Structures and Improvements	4,155,602	1,982,497	47.71%	-5%	2,380,885	21.3	2.69%	111,779
362.00	Gas Holders	3,683,221	1,931,136	52.43%	-5%	1,936,246	21.4	2.46%	90,479
363.00	Purification Equipment	3,984,039	2,249,286	56.46%	-5%	1,933,955	19.3	2.52%	100,205
364.00	Transportation Equipment	970,581	701,490	72.28%	-5%	317,620	9.5	3.44%	33,434
Total Other	Storage Plant	12,793,443	6,864,410	53.66%	-5%	6,568,705	19.6	2.63%	335,896
Distribution	I Plant								
374.20	Easements	5,872,628	582,918	9.93%	0%	5,289,710	62.8	1.43%	84,231
374.30	Easements - From Transmission	7,998,816	2,333,906	29.18%	0%	5,664,909	54.2	1.31%	104,519
375.00	Structures and Improvements	20,911,479	5,238,373	25.05%	-5%	16,718,680	37.6	2.13%	444,646
376.20	Mains - Plastic	1,650,292,823	525,273,759	31.83%	-50%	1,950,165,475	42.8	2.76%	45,564,614
376.40	Mains - Wrapped Steel	641,370,545	299,864,296	46.75%	-50%	662,191,521	45.9	2.25%	14,426,831
376.50	Mains - Cathodic Protection	40,620,887	16,402,097	40.38%	0%	24,218,790	16.1	3.70%	1,504,273
378.00	Measuring & Regulating Station Eq.	137,650,880	54,972,667	39.94%	-50%	151,503,653	32.0	3.44%	4,734,489
380.10	Services - Cathodic Protection	22,541,763	9,559,233	42.41%	0%	12,982,530	16.0	3.60%	811,408
380.20	Services - Plastic	1,301,449,909	608,600,489	46.76%	-75%	1,668,936,852	38.0	3.37%	43,919,391
380.30	Services - Wrapped Steel	39,871,195	26,199,955	65.71%	-75%	43,574,636	16.7	6.54%	2,609,260
381.00	Meters	94,364,570	29,313,303	31.06%	-30%	93,360,638	28.3	3.50%	3,298,962

Puget Sound Energy - Washington Statement B: Staff Calculation of Depreciation Rates As of June 30, 2021

					Future Net				
		6/30/21	6/30/21 Book	Percent	Salvage	Net Plant to be	Rem.	Annual	Annual
Account	Description	Investment	Reserve	Reserve	Percent	Recovered	Life	Rate	Accrual
, (ccount	A	investment	Reserve	neserve	rereent	necovered	Life	Hate	/ leel dal
	NATURAL GAS PLANT								
381.20	Meters Modules - AMI	50,561,415	3,506,499	6.94%	-5%	49,582,987	18.6	5.27%	2,665,752
382.00	Meter Installations	200,933,504	61,037,891	30.38%	-30%	200,175,664	34.3	2.90%	5,836,025
382.20	Meter Module Installations - AMI	16,989,455	143,205	0.84%	-5%	17,695,723	18.3	5.69%	966,979
383.00	House Regulators	19,923,870	7,459,684	37.44%	-5%	13,460,379	34.4	1.96%	391,290
384.00	House Regulator Installations	83,425,040	33,190,964	39.79%	-5%	54,405,327	33.9	1.92%	1,604,877
385.00	Industrial Measuring & Regulating Station Eq.	51,182,421	11,570,968	22.61%	-10%	44,729,695	17.1	5.11%	2,615,772
387.00	Other Equipment	5,455,772	1,809,058	33.16%	0%	3,646,714	6.6	10.13%	552,532
Total Distrib	oution Plant	4,391,416,969	1,697,059,265	38.64%	-53%	5,018,303,882	38.0	3.01%	132,135,850
General Pla	nt								
390.00	Structures and Improvements	18,903,659	5,771,917	30.53%	-5%	14,076,926	31.7	2.35%	444,067
391.10	Office Furniture & Equipment	3,141,752	1,378,993	43.89%	0%	1,762,759	11.0	5.00%	157,088
391.20	Office Furniture & Equipment - Computers	1,910,494	946,990	49.57%	0%	963,503	3.1	20.00%	382,099
392.00	Transportation Equipment	3,694,493	2,482,514	67.19%	10%	842,530	4.9	4.65%	171,945
394.00	Tools, Shop, & Garage Equipment	7,110,166	1,166,687	16.41%	0%	5,943,479	7.1	5.00%	355,508
395.00	Laboratory Equipment	2,750,795	945,545	34.37%	0%	1,805,250	4.3	5.00%	137,540
396.00	Power Operated Equipment	16,711	(10,872)	-65.06%	10%	25,912	13.0	11.93%	1,993
397.00	Communication Equipment	3,121,455	752,447	24.11%	0%	2,369,008	8.3	6.67%	208,201
398.00	Miscellaneous Equipment	155,624	87,391	56.16%	0%	68,233	4.8	6.67%	10,380
Total Gener	al Plant	40,805,151	13,521,613	33.14%	-1%	27,857,600	14.9	4.58%	1,868,821
Total Depreciable Natural Gas Plant		4,498,784,001	1,742,062,873	38.72%	-52%	5,089,170,647	37.4	3.03%	136,144,837

Puget Sound Energy - Washington Statement C: Current and Proposed Parameters As of June 30, 2021

		Ci	urrent	Approv	ed	PSE Proposed					Staff Proposed				
				lowa	Future		Iowa Future		Future			lowa		Future	
			Proj	Curve	Net		Proj	Curve	Rem.	Net		Proj	Curve	Rem.	Net
Account	Description	AYFR	Life	Shape	Salvage	AYFR	Life	Shape	Life	Salvage	AYFR	Life	Shape	Life	Salvage
	А														
	NATURAL GAS PLANT														
Undergrour	nd Storage Plant														
350.30	Easements	06-2043	SQ	UARE	0%	06-2043	SQ	UARE	22.0	0%	06-2043	SQ	UARE	22.0	0%
351.10	Struct. & Improv Wells	06-2043		R4	-5%	06-2043	55	R4	17.2	-5%	06-2043	55	R4	17.2	-5%
351.20	Struct. & Improv Compressor Stations	06-2043	55	R4	-5%	06-2043	55	R4	19.9	-5%	06-2043	55	R4	19.9	-5%
351.30	Struct. & Improv Meas. & Reg. Eq.	06-2043	55	R4	-5%	06-2043	55	R4	11.7	-5%	06-2043	55	R4	11.7	-5%
351.40	Struct. & Improv Other	06-2043	50	S1.5	-5%	06-2043	50	S1.5	19.9	-5%	06-2043	50	S1.5	19.9	-5%
352.00	Wells	06-2043	60	R4	-5%	06-2043	60	R4	20.5	-25%	06-2043	60	R4	20.5	-25%
352.20	Reservoirs	06-2043	60	R4	-5%	06-2043	60	R4	21.6	-5%	06-2043	60	R4	21.6	-5%
352.30	Non-Recoverable Natural Gas	06-2043	SQ	UARE	0%	06-2043	SQ	UARE	22.0	0%	06-2043	SQ	UARE	22.0	0%
353.00	Lines	06-2043	55	R4	-20%	06-2043	55	R4	20.9	-20%	06-2043	55	R4	20.9	-20%
354.00	Compressor Station Equipment	06-2043	45	R3	-10%	06-2043	45	R3	20.3	-10%	06-2043	45	R3	20.3	-10%
355.00	Measuring & Regulating Equipment	06-2043	25	L2	-5%	06-2043	25	L2	16.0	-5%	06-2043	25	L2	16.0	-5%
356.00	Purification Equipment	06-2043	45	R3	-5%	06-2043	45	R3	19.6	-5%	06-2043	45	R3	19.6	-5%
357.00	Other Equipment	06-2043	30	S0	0%	06-2043	25	S0	13.6	0%	06-2043	25	S0	13.6	0%
Total Under	ground Storage Plant														
Other Stora	ge Plant														
361.00	Structures and Improvements	06-2044	50	R3	0%	06-2044	50	R3	21.3	-5%	06-2044	50	R3	21.3	-5%
362.00	Gas Holders	06-2044	40	S3	-20%	06-2044	50	R3	21.4	-5%	06-2044	50	R3	21.4	-5%
363.00	Purification Equipment	06-2044	40	R2.5	-5%	06-2044	40	R2.5	19.3	-5%	06-2044	40	R2.5	19.3	-5%
364.00	Transportation Equipment	06-2044	25	L3	10%	06-2044	25	L3	9.5	-5%	06-2044	25	L3	9.5	-5%
Total Other	Storage Plant														
Distribution	Plant														
374.20	Easements		65	R4	0%		70	R4	62.8	0%		70	R4	62.8	0%
374.30	Easements - From Transmission		65	R4	0%		70	R4	54.2	0%		70	R4	54.2	0%
375.00	Structures and Improvements		45	R3	-5%		50	R3	37.6	-5%		50	R3	37.6	-5%
376.20	Mains - Plastic		60	R3	-50%		55	R3	42.8	-50%		55	R3	42.8	-50%
376.40	Mains - Wrapped Steel		60	R2	-50%		60	R2	45.9	-50%		60	R2	45.9	-50%
376.50	Mains - Cathodic Protection		30	S2.5	0%		30	SQ	16.1	0%		30	SQ	16.1	0%
378.00	Measuring & Regulating Station Eq.		39	S0.5	-50%		43	R2	32.0	-50%		43	R2	32.0	-50%
380.10	Services - Cathodic Protection		30	S2.5	0%		30	SQ	16.0	0%		30	SQ	16.0	0%
380.20	Services - Plastic		50	R2	-75%		50	R2.5	38.0	-100%		50	R2.5	38.0	-75%
380.30	Services - Wrapped Steel		50	R2	-75%		50	R2.5	16.7	-100%		50	R2.5	16.7	-75%
381.00	Meters		39	R2.5	-25%		42	R2	28.3	-30%		42	R2	28.3	-30%
381.20	Meters Modules - AMI						20	S2.5	18.6	-5%		20	S2.5	18.6	-5%

Puget Sound Energy - Washington Statement C: Current and Proposed Parameters As of June 30, 2021

		C	urrent	Approv	ed	PSE Proposed									
				lowa	Future			lowa		Future			lowa		Future
			Proj	Curve	Net		Proj	Curve	Rem.	Net		Proj	Curve	Rem.	Net
Account	Description	AYFR	Life	Shape	Salvage	AYFR	Life	Shape	Life	Salvage	AYFR	Life	Shape	Life	Salvage
	А														
	NATURAL GAS PLANT														
382.00	Meter Installations		47	S1	-10%		47	S1.5	34.3	-30%		47	S1.5	34.3	-30%
382.20	Meter Module Installations - AMI		47	S1	-10%		20	S2.5	18.3	-5%		20	S2.5	18.3	-5%
383.00	House Regulators		50	R3	0%		50	R3	34.4	-5%		50	R3	34.4	-5%
384.00	House Regulator Installations		50	R3	0%		50	R3	33.9	-5%		50	R3	33.9	-5%
385.00	Industrial Measuring & Regulating Station Eq.		25	R0.5	-10%		25	R0.5	17.1	-10%		25	R0.5	17.1	-10%
387.00	Other Equipment		12	L1	0%		12	L1	6.6	0%		12	L1	6.6	0%
Total Distrik	bution Plant														
General Pla	nt														
390.00	Structures and Improvements		40	R1.5	0%		45	R2	31.7	-5%		45	R2	31.7	-5%
391.10	Office Furniture & Equipment		20	SQ	0%		20	SQ	11.0	0%		20	SQ	11.0	0%
391.20	Office Furniture & Equipment - Computers		5	SQ	0%		5	SQ	3.1	0%		5	SQ	3.1	0%
392.00	Transportation Equipment		12	L3	10%		12	L3	4.9	10%		12	L3	4.9	10%
394.00	Tools, Shop, & Garage Equipment		20	SQ	0%		20	SQ	7.1	0%		20	SQ	7.1	0%
395.00	Laboratory Equipment		20	SQ	0%		20	SQ	4.3	0%		20	SQ	4.3	0%
396.00	Power Operated Equipment		14	L3	10%		14	L3	13.0	10%		14	L3	13.0	10%
397.00	Communication Equipment		15	SQ	0%		15	SQ	8.3	0%		15	SQ	8.3	0%
398.00	Miscellaneous Equipment		15	SQ	0%		15	SQ	4.8	0%		15	SQ	4.8	0%
Total Gener	al Plant														

Total Depreciable Natural Gas Plant