

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,
Complainant,

v.

CASCADE NATURAL GAS
CORPORATION,

Respondent.

CASCADE NATURAL GAS CORPORATION

EXHIBIT OF MARYALICE C. PETERS

2017 PLANT ADDITIONS

3/29/2019

Cascade Natural Gas
Proposed Plant Additions
12 Months ended December 31, 2018

(A)	(B)	(C)	(D)	(E)	(F)=(D)*(E)	(G)	(H)	(I)	
Line No.	Function	Funding Project - Description	Account No.	2019 Total - Figures exported from "Power Plan" the company's budget and plant accounting software	WA Alloc	WA	Proposed Adjustment	Notes	Estimated In-Service Date
	Gas Intangible	FP-101480 - UG-Work Asset Management	303.00	1,268,624.99	74.85%	949,565.81			
2	Gas Intangible	FP-200064 - UG-Customer Self-Service Web/TVR	303.00	118,850.12	74.85%	88,959.31			
3	Gas Intangible	FP-200663 - UG-GIS Enhancements	303.00	124,010.28	74.85%	92,821.69			
4	Gas Intangible	FP-315865 - UG ThoughtSpot Implementation Project	303.00	101,504.52	74.85%	75,976.13			
5	Gas Intangible	FP-316447 - UG PragmaField Implementation	303.00	19,324.46	74.85%	14,464.36			
6	Gas Intangible	FP-317047 - UG Gas Scada Implement DR System	303.00	56,940.42	74.85%	42,619.90			
7	Gas Intangible	FP-317050 - UG Gas SCADA Upgrade Autosol EFM	303.00	21,160.86	74.85%	15,838.90			
8	Gas Intangible	FP-317101 - UG-JDEdwards AS400 to Oracle DB	303.00	65,552.53	74.85%	49,066.07			
9	Gas Intangible	FP-317103 - UG-PowerPlan Upgrade to 2018.X	303.00	165,560.02	74.85%	123,921.67			
10	Gas Intangible	FP-317297 - UG PragmaFIELD/Dispatcher Licences	303.00	4,517.63	74.85%	3,381.45			
11	Gas Intangible	FP-317322 Arlington Gate Upgrade; Williams Costs	303.00	965,778.40		965,778.40	965,778.40	10	6/1/2019
12	Total Intangible Plant			2,911,824.23		2,422,393.70	965,778.40		
13	RESULTS OF OPERATIONS SUMMARY SHEET								
14	Gas Distribution	FP-101170 - MAIN-GROWTH-OREGON	376.00	387,566.00					
15	Gas Distribution	FP-101172 - MAIN-RELO-REPL-OREGON	376.00	398,194.88					
16	Gas Distribution	FP-101176 - SERV-GROWTH-OREGON	380.00	2,844,250.00					
17	Gas Distribution	FP-101177 - SERV-RELO-REPL-OREGON	380.00	170,655.00					
18	Gas Distribution	FP-101178 - STD M&R-GROWTH-OREGON	382.00	111,676.56					
19	Gas Distribution	FP-101179 - STD M&R-RELO-REPL-OREGON	382.00	331,980.91					
20	Gas Distribution	FP-101180 - IND M&R-GROWTH-OREGON	385.00	73,402.08					
21	Gas Distribution	FP-101181 - IND M&R-REMOVE&REPLACE-OREG	385.00	122,336.92					
22	Gas Distribution	FP-101184 - GP TRAN.VEHICLE - OREGON	392.00	729,365.60					
23	Gas Distribution	FP-101186 - GP POWER EQUIP - OREGON	396.00	673,288.56					
24	Gas Distribution	FP-101187 - GP COMM EQUIP - OREGON	397.00	19,663.80					
25	Gas Distribution	FP-101190 - MAIN-GROWTH-WASHINGTON	376.00	2,907,081.16		2,907,081.16		G	
26	Gas Distribution	FP-101192 - MAIN-RELO-REPL-WASHINGTON	376.00	2,628,604.12		2,628,604.12	2,628,604.12	1	12/31/2025
27	Gas Distribution	FP-101194 - R STA-GROWTH-WASHINGTON	378.00	113,770.00				G	
28	Gas Distribution	FP-101196 - R STA-RELO-REPL-WASHINGTON	378.00	929,537.23		929,537.23		G	
29	Gas Distribution	FP-101197 - SERV-GROWTH-WASHINGTON	380.00	12,633,047.10		12,633,047.10		G	
30	Gas Distribution	FP-101198 - STD M&R-GROWTH-WASHINGTON	382.00	141,074.80		141,074.80		G	
31	Gas Distribution	FP-101199 - STD M&R-RELO-REPL-WASHINGTON	382.00	709,924.80		709,924.80		G	
32	Gas Distribution	FP-101200 - IND M&R-GROWTH-WASHINGTON	385.00	171,169.28		171,169.28		G	
33	Gas Distribution	FP-101201 - IND M&R-REMOVE&REPL-WASHING	385.00	256,050.84		256,050.84		G	
34	Gas Distribution	FP-101210 - PRE-CAP MTR-GROWTH-INTERSTAT	381.00	2,947,488.36	74.49%	2,195,584.08		G	
35	Gas Distribution	FP-101259 - PRE-CAP REG-GROWTH-INTERSTAT	383.00	669,513.72	74.49%	498,720.77		G	
36	Gas Distribution	FP-101275 - SERV-RELO-REPL-WASHINGTON	380.00	341,310.00		341,310.00		G	
37	Gas Distribution	FP-101505 - ARLINGTON GATE UPGRADE	378.00	967,078.48		967,078.48		G	
38	Gas Distribution	FP-200686 - CRM LONGVIEW PIPE REPLACEMENT	376.00	575,105.22		575,105.22		C	
39	Gas Distribution	FP-200687 - CRM ANACORTES PIPE REPLACEMENT	376.00	2,802,736.39		2,802,736.39		C	
40	Gas Distribution	FP-200688 - BEND PIPE REPL	376.00	2,802,736.39				C	
41	Gas Distribution	FP-300233 - ARLINGTON 6" HP REINFORCEMENT	376.00	833,125.93		833,125.93		C	
42	Gas Distribution	FP-300363 - CRM SHELTON PIPE REPLACEMENT	376.00	1,791,361.95		1,791,361.95		C	
43	Gas Distribution	FP-302369 - GB - GROUNDBED WASHINGTON	376.00	526,983.79		526,983.79		C	
44	Gas Distribution	FP-302370 - GB - GROUNDBED OREGON	376.00	291,706.28				C	
45	Gas Distribution	FP-302588 - HILDEBRAND BLVD 6" HP MAIN	376.00	29,284.38		29,284.38		G	
46	Gas Distribution	FP-302594 - CRM KESLO PIPE REPLACEMENT	376.00	2,401,110.40		2,401,110.40		C	
47	Gas Distribution	FP-302596 - WALLULA GATE STATION; GTN	378.00	4,088,411.51		4,088,411.51	4,088,411.51	2	12/31/2019
48	Gas Distribution	FP-306987 - BURLINGTON REIN. @ PETERSON RC	376.00	447,715.93		447,715.93		G	
49	Gas Distribution	FP-306998 - NEW SOUTH WALLA WALLA GATE	378.00	963,378.75		963,378.75		G	
50	Gas Distribution	FP-307212 - CRM KESLO GRADE ST BRIDGE RELC	376.00	394,191.90		394,191.90		C	
51	Gas Distribution	FP-307221 - 8" YAKIMA HP PIPELINE	376.00	2,436,352.30		2,436,352.30	2,436,352.30	4	12/31/2019
52	Gas Distribution	FP-308023 - ERT REPLACEMENT 2019	381.00	12,236,196.65	74.49%	9,114,742.88	9,114,742.88	5	12/31/2019
53	Gas Distribution	FP-312009 - RP;REG STA R-25 BURBANK	378.00	103,618.58		103,618.58		C	
54	Gas Distribution	FP-316034 - CRM; 4" HP; OTHELLO; 9.801'	376.00	2,528,268.04		2,528,268.04		C	
55	Gas Distribution	FP-316043 - MAOP; 8" HP; BELLINGHAM; 1.800'	376.00	349,487.36		349,487.36		C	
56	Gas Distribution	FP-316045 - MAOP; 8" HP; KALAMA; 600'	376.00	404,455.13		404,455.13		C	
57	Gas Distribution	FP-316046 - CRM; 8" HP; YAKIMA; 3.727'	376.00	1,276,607.46		1,276,607.46		C	
58	Gas Distribution	FP-316153 - MAOP; 4.6"; BELLINGHAM; 407'	376.00	155,443.13		155,443.13		C	
59	Gas Distribution	FP-316158 - RP; R-TBD(R-4) MONTESANO	378.00	148,367.69		148,367.69		C	
60	Gas Distribution	FP-316243 - RF; 4" PE; BEND; 1,200' ARCHIE BRIG	376.00	197,024.53				C	
61	Gas Distribution	FP-316299 - RP; R-154 (R-26) BREMERTON	378.00	492,208.54		492,208.54		C	
62	Gas Distribution	FP-316401 - RP; 2.4" BRIDGE XINGS, BAKER CITY	376.00	274,270.17				C	
63	Gas Distribution	FP-316407 - RF; 4" PE; BEND; 1,500' NW NEWPORT	376.00	184,432.46				C	
64	Gas Distribution	FP-316429 - RF; 6" HP; ABER; 12,500' BASICH BLV	376.00	2,282,179.72		2,282,179.72	2,282,179.72	6	12/31/2019
65	Gas Distribution	FP-316431 - RF; 6" PE; ABER; 1,200' OAK ST	376.00	277,492.69		277,492.69		G	
66	Gas Distribution	FP-316569 - C/M RPL; 12" STL HP, LONG/KELSO PI	376.00	3,387,285.01		3,387,285.01		C	
67	Gas Distribution	FP-316573 - RPL; 4" HP, MADRAS PH2	376.00	2,306,938.46				C	
68	Gas Distribution	FP-316575 - RPL; 6" HP, BEND HP PH2	376.00	1,620,273.71				C	
69	Gas Distribution	FP-316579 - CRM; 2.6.8" HP; ANACORTES; PH2	376.00	1,128,679.66		1,128,679.66		C	
70	Gas Distribution	FP-316586 - RP; R-TBD ARLINGTON GATE	378.00	1,038,473.63		1,038,473.63	1,038,473.63	7	12/31/2019
71	Gas Distribution	FP-316587 - RF; R-TBD; WALLULA GATE STATIO	378.00	963,617.88		963,617.88		G	
72	Gas Distribution	FP-316670 - RF; 12" HP; KENN; WALLULA HP LINE	376.00	7,244,612.32		7,244,612.32	7,244,612.32	8	12/31/2019
73	Gas Distribution	FP-316822 - RP; O-11(O-4) LAWR; BELLINGHAM	378.00	142,071.15		142,071.15		C	
74	Gas Distribution	FP-316823 - RP; O-12 (O-5) DEMI; BELLINGHAM	378.00	142,071.15		142,071.15		C	
75	Gas Distribution	FP-316845 - O-9 Replacement South Hermiston Gat	378.00	194,009.60				C	
76	Gas Distribution	FP-316865 - RP; 8" HP; CHIC; 30' V-08 & HP MAIN	376.00	187,720.50		187,720.50		C	
77	Gas Distribution	FP-316923 - CRM RPL 8" MARCH POINT PH 2	367.00	2,534,003.84		2,534,003.84		C	
78	Gas Distribution	FP-316939 - R-1 Burlington Outlet Piping	376.00	323,673.00		323,673.00		G	
79	Gas Distribution	FP-316940 - R-162 Burlington Replacement	378.00	179,104.89		179,104.89		G	
80	Gas Distribution	FP-316958 - FRL 400' 6" PWX MN, CRESENT HARB	376.00	138,053.53		138,053.53		C	
81	Gas Distribution	FP-316978 - RF; REG STA R-124, STEPTOE, KENN	378.00	164,966.50		164,966.50		G	
82	Gas Distribution	FP-317060 - FRL; 10" HP; BELL; 2000'	376.00	1,028,640.41		1,028,640.41	1,028,640.41	9	8/26/2019
83	Gas Distribution	FP-317219 - RP; 8" BRIDGE XING, WALLA WALLA	376.00	213,529.89		213,529.89		C	

**Cascade Natural Gas
Proposed Plant Additions
12 Months ended December 31, 2018**

(A)	(B)	(C)	(D)	(E)	(F)=(D)*(E)	(G)	(H)	(I)	
Line No.	Function	Funding Project - Description	Account No.	2019 Total - Figures exported from "Power Plan" the company's budget and plant accounting software	WA Alloc	WA	Proposed Adjustment	Notes	Estimated In-Service Date
84	Gas Distributor	FP-317307 - Repl MN/Bore @Purcell Blvd Bend	376.00	136,401.32					
85	Gas Distributor	FP-317332 - 1780' 4" PE & Steel MN Burbank Simp	376.00	139,882.25					
86				95,786,292.17		77,871,967.94	29,862,016.89	G	
87	Gas General	FP-101164 - General Purpose Communication Equip	397.00	78,151.00	74.85%	58,496.02			
88	Gas General	FP-101204 - GP TRAN. VEHICLE - WASHINGTON	392.00	1,182,172.56		1,182,172.56			
89	Gas General	FP-101206 - GP POWER EQUIP - WASHINGTON	396.00	1,727,285.36		1,727,285.36			
90	Gas General	FP-101207 - GP COMM EQUIP - WASHINGTON	397.00	19,663.80		19,663.80			
91	Gas General	FP-101213 - GP BUILDINGS - INTERSTATE	390.00	15,126.00	74.85%	11,321.81			
92	Gas General	FP-101215 - GP TRAN. VEHICLE - INTERSTAT	392.00	82,976.20	74.85%	62,107.69			
93	Gas General	FP-101216 - GP TOOLS - INTERSTATE	394.00	143,849.46	74.85%	107,671.32			
94	Gas General	FP-101237 - GP TOOLS - PENDLETON	394.00	51,529.24					
95	Gas General	FP-101255 - GP TOOLS - ONTARIO	394.00	16,336.08					
96	Gas General	FP-101261 - GP TOOLS - WENATCHEE	394.00	13,815.08		13,815.08			
97	Gas General	FP-101269 - GP OFFICE EQUIP - YAKIMA	391.00	13,109.20		13,109.20			
98	Gas General	FP-101305 - GP OFFICE EQUIP - MT. VERNON	391.00	15,126.00		15,126.00			
99	Gas General	FP-101307 - GP TOOLS - MT. VERNON	394.00	47,899.00		47,899.00			
100	Gas General	FP-101326 - GP TOOLS - BREMERSTON	394.00	98,924.04		98,924.04			
101	Gas General	FP-101344 - GP TOOLS - LONGVIEW	394.00	41,344.40		41,344.40			
102	Gas General	FP-101362 - GP TOOLS - ABERDEEN	394.00	29,243.60		29,243.60			
103	Gas General	FP-101398 - GP TOOLS - TRI - CITIES	394.00	38,319.20		38,319.20			
104	Gas General	FP-101416 - GP TOOLS - WALLAWALLA	394.00	25,714.20		25,714.20			
105	Gas General	FP-101451 - GP TOOLS - YAKIMA	394.00	26,218.42		26,218.42			
106	Gas General	FP-200661 - Data Center & Network Equipment	391.00	37,815.00	74.85%	28,304.53			
107	Gas General	FP-200662 - Personal Computers & Peripherals	391.00	113,041.64	74.85%	84,611.67			
108	Gas General	FP-306967 - DISTRICT OFFICE ACCESS CONTROL	391.00	125,738.62	74.85%	94,115.36			
109	Gas General	FP-307020 - Longview - New Operations Bldg 2018	390.00	1,966,245.17		1,966,245.17	1,966,245.17	3	3/1/2019
110	Gas General	FP-316832 - Office Structures & Equip-GO	391.00	75,630.00	74.85%	56,609.06			
111	Gas General	FP-316853 - Verizon 3G Modem Replacement	397.00	299,529.04	74.85%	224,197.49			
112	Gas General	FP-316915 - Pur replament display devices	391.00	49,915.80	74.85%	37,361.98			
113	Gas General	FP-317120 - Purch Training Props for Sunnyside	394.00	58,789.72	74.85%	44,004.11			
114	Gas General	FP-317191 - Security System - Yakima facility	390.00	20,168.00		20,168.00			
115	Gas General	FP-317290 - Building remodel for Bellingham Dis	390.00	201,680.00		201,680.00			
116	Gas General	FP-317291 - Roof replacement/Parking lot - Bell	390.00	65,546.00		65,546.00			
117		Total Distribution Plant		6,680,901.83		6,341,275.05	1,966,245.17		
118		Total		105,379,018.23		86,635,636.69	32,794,040.46		0
119	Notes:								
120					FERC	Budgeted 2019	Depr. Rate	Depreciation	
121	C	CRM		15,432,064.86	Acct	Investment	UG-150762	Expense	
122	G	Growth		23,378,850.81	303	965,778.40	12.81	123,716.21	
123			Total	38,810,915.67	367	0.00	1.82	0.00	
124					376	15,620,388.87	1.25	195,254.86	
125					378	5,126,885.14	1.92	98,436.19	
126					380	0.00	3.88	0.00	
127					381	9,114,742.88	2.27	206,904.66	
128					382	0.00	1.86	0.00	
129					383	0.00	2.32	0.00	
130					385	0.00	2.18	0.00	
131					390	1,966,245.17	1.24	24,381.44	
132					391	0.00	0.05	0.00	
133					392	0.00	6.15	0.00	
134					394	0.00	3.56	0.00	
135					396	0.00	5.18	0.00	
136					397	0.00	0.13	0.00	
137					Totals	32,794,040.46		648,693.37	0.019780831
138									
139							0.00		

**Cascade Natural Gas
Summary of Proposed Plant Additions
12 Months ended December 31, 2018**

<u>Note:</u>	<u>Funding Project #</u>	<u>Explanation and Support</u>
1	101192	Blanket work order. This project is routine in nature and typically have offsetting benefits. The Blanket Funding project are for forced relocates. A forced relocate is where the city or municipality requires Cascade to move facilities under the franchise agreement.
2	302596	High pressure pipeline #1 in the Kennewick District, referred to as the Attalia pipeline, is an 8-inch pipeline that was installed in 1958. The pipeline begins at the gate station north of Pasco, WA and ends at the Boise Cascade facility along Highway 12 north of the Wallula Junction, covering approximately 17 miles and serving east Pasco and Burbank. It provides service to Boise Cascade, Tyson Foods, Con Agra Foods/Lamb Weston, Oregon Potato, Western States Asphalt, and other industrial customers.
3	307020	Construct new Longview district office building.
4	307221	The natural gas system for the cities of Yakima and Union Gap have developed pressure concerns and are unable to maintain minimum delivery levels under normal operating conditions. This past winter the Yakima system had to go on bypass to help maintain operating pressures but major concerns still remain in regard to pressures and flows feeding regulators and at the end of the IP system.
5	308023	Two-year Measurement project to replace 40G outdated automatic meter reader known as encoder receiver transmitter (ERT). Replacing 40G model with modern style 100G ERT. Approximately 238,000 ERTs to be replaced throughout project timeline.
6	316429	The City of Aberdeen has large areas with low pressure issues. Aberdeen's primary high pressure feed starts at the McCleary Gate Station and extends to the west for approximately 40 miles as it feeds numerous towns before reaching the end in Aberdeen. The gas system displaces great pressure throughout this long stretch of pipe, and the high large volume customer demand in Aberdeen is adding on to the loss in pressure. To strengthen the gas system there are two reinforcement phases that need to take place. This proposal is focused on the last phase which contains a reinforcement of approximately 14,900-ft. of 6-in. high pressure steel pipe.
7	316586	Gate upgrade allows for additional capacity. The current gate is near capacity. Gate piping is unvalidated. Cascade will take over regulation, heat and install new odorizer.
8	316670	New HP line from new Wallula gate to backfeed Attalia line.
9	317060	City of Bellingham is redoing a bridge crossing and we need to relocate our 10" HP going across. Taking place in 2019 in Bellingham, WA off Ellis St. and State St. Requires a pipe installation of approx. 2100' of 10" HP.
10	317322	Cascade taking over regulation from Williams at the Arlington gate statio due to overexceeding contractual capacity. This FP will oversee from Williams side.