Exh. AIW-5 Docket UG-170929 Witness: Amy I. White

BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION,

DOCKET UG-170929

Complainant,

 \mathbf{v}_{ullet}

CASCADE NATURAL GAS CORPORATION,

Respondent.

EXHIBIT TO TESTIMONY OF

Amy I. White

ON BEHALF OF STAFF OF WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

Staff's Adj. P-6, Staff's Calculation of MAOP Deferral Amortization

February 15, 2018

Company's Original Workpaper
Cascade Natural Gas Corporation
UG 17_____
MPP WP-1.17
MAOP Deferral Amortization
welve Months Ended December 31, 2016

Twelv	e Months Ended December 31, 2016		Stay
Line No.	A	В	
1	2016 Actual Deferral [1]	2,219,857	2016 Deferral Ali
2	2017 Estimated Deferral	5,000,000	2017 Deferral Ali
3	2018 Estimate through May 31	2,371,011	2018 Estimate Al
4	Total Estimated Deferral through 2017	9,590,868	Total Allowed Def
5	Amortization Period (years) ¹	10	Amortization Period (y
6	Annual Amortization	\$959,087	Annual Amortiz
7			
8			
9	¹ Remaining period of the program after rate case	effective date	
10	Notes:		
11	(1) Cascade Exhibit NoRP-2, December 2016 MAOP	Deferred Costs Balance	

Company's input is in plain font; Staff's work is in italics

Staff's calculation

Staff's .	Allowed Amounts
\$	1,554,452
\$	2,682,629
\$	-
\$	4,237,081
\$	10
	\$ \$

\$423,708 tization

Cascade Natural Gas Corp Analysis of Company Data Request Responses in DRs 68, 93, 117 and 118 To calculate MAOP adjustment

Line No.

Company's DR responses are in plain font; Staff's work is in italics

2017 – Actuals & Estimates	Staff's Calculation of 2017 Allowed Amount								
Company's response to staff DR	68		Pipeline classification from Company's DR 118 response	Staff Recommendation	Staff Comment	Allowed	Disallowed		
	Sum of Amount	Description							
MATERIALS	\$575.14	2" Burbank HP Pressure Test	Pre-Code	allow		\$ 575.14			
MATERIALS	\$1,160.13	4" South Moses Lake HP Pressure Test	Pre-Code	allow		\$ 1,160.13			
MATERIALS	\$10,000	12" Grandview Rd. Line	Post-Code	disallow			\$ 10,000.		
WESCO DISTRIBUTION INC	\$5,602.40	Materials for MAOP Validation		allow		\$ 5,602.40			
PERMIT FEE	\$35.00	Permit Fee for MAOP Validation		allow		\$ 35.00			
BROTHERS PIPELINE CORP	\$11,325.69	Contractor to excavate and verify fittings on 8" & 12" Kitsap Lines	8" line is pre-code; 12" line- post code	allow 34.4%	Per company's 12/31/17 MAOP plan in docket UG-150120, 8" line, 18,760.2 feet, 34.4% of total; 12" line, 15.2 plus 35827.6 feet, 65.6% of total	\$ 3,896.04	\$ 7,429.		
INFRASOURCE CONST LLC	\$123,224.77	Contractor for 2" Burbank HP and 4" South Moses Lake HP Pressure Tests	pre-code	allow		\$ 123,224.77			
JACOBS CONSULTANCY INC	\$142,541.57	AP1173 Audit		allow		\$ 142,541.57			
KIEFNER AND ASSOCIATES INC - A	\$40,000*	Material Testing, 8" Bellingham Line, 8" Attalia Line, 6" Wenatchee Line, and 12" Grandview Rd Line	Bellingham/Attalia, pre-code; Wenatchee/Grandview Rd, post-code	allow pre-code only, see calculation below in DR 93 response		\$ 25,995.00	\$ 25,995.		
MISTRAS GROUP INC	\$6,243.02	Non-Destructive Testing and Third-Party Inspection for MAOP Validation		allow		\$6,243.02			
RAWHIDE LEASING	\$45,168.03	Compressed Natural Gas Supply for 2" Burbank HP Pressure Test	Pre-code	allow		\$45,168.03			
SNELSON COMPANIES INC	\$100,000*	MAOP Validation on 16" North Whatcom Valve Settings and 12" Grandview Rd. Line	Both lines are post-code, see below	disallow		\$ -			
ABI SERVICES, LLC	\$846,788.33			allow		\$846,788.33			
PARAMETRIX INC	\$400,000*	In-situ testing for determination of MAOP data gaps.	see calculation below as result of DR 93 responses	allow	all testing was on pre- code pipe	\$ 390,326.00			
DAS-CO OF IDAHO	\$622,733.78			allow		\$622,733.78			
TRC ENVIRONMENTAL CORPORATION	\$1,056,204.56	Records Review and MAOP Validation	per company's pipeline management plan and staff's analysis, 44.3% of pipeline footage is pre-code, 55.7% of this post-code; hence, staff will disallow 55.7% of this overarching aggregate expense			\$468,340.06	\$ 587,864.		

25	2018 - Revised Estimate							
26	Explanation 1	Sum of Amount	Description	Pipeline classification from Company's response to DR 118	Staff Recommendation	Staff Comment	Allowed	Disallowed
27	PARAMETRIX INC	\$420,000	In-situ testing for determination	cannot determine	All 2018 amounts are estima	tes only	s	-
28	ABI SERVICES, LLC	\$924,000	of MAOP data gaps.	cannot determine	Staff cannot calculate a known	and measurable amount	S	-
29	DAS-CO OF IDAHO	\$1,050,000		cannot determine			S	-
30	PIPELINE CONTRACTOR	\$750,000	8" Central Whatcom HP Line Pressure Test	pre-code			s	=
31	PIPELINE CONTRACTOR	\$250,000	8" Bellingham HP Line Pressure Test	pre-code			s	-
32	PIPELINE CONTRACTOR	\$200,000	4" Sedro Woolley HP Line Pressure Test	pre-code			\$	=
33	PIPELINE CONTRACTOR	\$150,000	4" Northwest Pasco HP Line / 4" Glade Road HP Pressure Test	pre-code			s	÷
34	PIPELINE CONTRACTOR	\$500,000	4" Othello HP Line Pressure Test	pre-code			s	Ē
35	PIPELINE CONTRACTOR	\$150,000	2" Elma Rendering Plant HP Line Pressure Test	pre-code			\$	=
36	PIPELINE CONTRACTOR	\$200,000	8" March Point HP Line Pressure Test	pre-code			s	Ē
37	MATERIAL TESTING CONTRACTOR	\$50,000	Material property testing for MAOP validation	pre-code			\$	<u> </u>
38	Grand Total	\$4,644,000					S	-
39	·							

Company's Response to DR 93
The company provided information about the asterisked * estimated charges remaining for 2017 in DR 93. Staff calculates line item allowable amounts in this table.

		Original Company Estimate		Staff's calculation of allowable	2017 costs			
Line No.	Contractor	Est Cost	For	Quote from company	Staff comment	Staff comment	Staff analysis / allowed amount	d
1	KIEFNER AND ASSOCIATES INC – A	\$40,000*	Material Testing, 8" Bellingham Line, 8" Attalia Line, 6" Wentchee Line, and 12" Grandview Rd Line	Kiefner has completed \$24,644.50 for the testing on the 8" Bellingham and 8" Attalia line. Material testing costs are approximately \$9,115 per sample. Kiefner is currently in the process of testing 3 more samples, estimated cost for the remaining testing is approximately \$18,000.	Wenatachee (1973) and Grandview Road are post- code	Disallow half of this materials testing since two of four are post-code	\$ 24,645.1	00
2 3 4 5						3 @ \$9115 approx subtotal Less: disallowance Amount allowed	\$ 27,345.0 \$ 51,990.0 \$ (25,995.0 \$ 25,995.0	00 00)
6	SNELSON COMPANIES INC		MAOP Validation on 16" North Whatcom Valve Settings and 12" Grandview Rd. Line	" estimated project costs will be between \$50,000 - \$60,000"	Both segments are post-code, per DR 11 8 , disallow	Disallow	s	-
7	PARAMETRIX INC		In-situ testing for determination of MAOP data gaps.	Parametrix has completed 2017 work; Estimated cost is \$390,326.03.	Staff has reviewed contract scope of work, all projects pre-code.	Allow	\$ 390,326.	00
8	Original estimate for these vendors	\$ 540,000		•	Total Estimated	costs allowed	\$ 416,321.0	0

Company's Response to Staff DR 117

39 40

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				2016	2016	2016	2016	2016	2016
				LTD	LTD	LTD	LTD	LTD	LTD
				12	11	10	9	8	7
Post-Code	1823	2046	WA MAOP Regulatory Asset	-	-	\$360,156.63	\$106,757.94	\$57,914.24	\$9,777.03
Pre-Code	1823	2046	WA MAOP Regulatory Asset		-	\$1,054,828.39	\$393,622.54	\$114,116.94	\$20,340.15
Pre/Post-Code	1823	2046	WA MAOP Deferred Costs	-	-	\$89,169.45	-	-	-
Post-Code	1860	20479	WA MAOP Deferred Costs	\$383,909.69	\$373,224.65		-	-	-
Pre-Code	1860	20479	WA MAOP Deferred Costs	\$1,330,189.40	\$1,309,135.08	-	-	-	-
Pre/Post-Code	1860	20479	WA MAOP Deferred Costs	\$505,758.00	\$147,224.53	-	-	-	-
Total				\$2,219,857.09	\$1,829,584.26	\$1,504,154.47	\$500,380.48	\$172,031.18	\$30,117.18

Staff's analysis of Allowable Amounts from the \$2,219,857 2016 Actual Costs	Allowed	Disallowed	Total
Post-Code as Identified by Company		\$ 383,909.69	\$ 383,909.69
Pre-Code as Identified by Company	\$ 1,330,189.40		\$ 1,330,189.40
Pre/Post-Code (see note)	\$ 224,262.17	\$ 281,495.83	\$ 505,758.00
	\$ 1,554,451.57	\$ 665,405.52	\$ 2,219,857.09

Note: Staff has analyzed the pipeline installation dates and lineal footages in Exh AIW-10 extracted from company's MAOP plan. Post-code pipe should all be documented already. Staff will disallow 55.7 percent of aggregate expenses such as documentation audits, based on the overall percentage of pipeline footage, as they are related to documenting post-code pipe. Staff feels this is being conservative and generous to the company as a case could be made to disallow 84.3% of these aggregate expenses based on the number of pipeline segments.

Pipeline classification	Feet	Pct of total feet
Pre-code	1,403,100.00	44.3%
Post-code	1,761,183.30	55.7%
Total	3,164,283.30	100.0%

Source: Staff Exh. AIW-10, tab Pipeline Analysis Summary.

Company's response to staff DR118

Project	Work Order Number(s) as found in Company's MAOP Determination and Validation Plan filed December 2017	For Each Work Order Number, is this project working on pre-code or post- code pipe?
2017 projects		
2" Burbank HP Pressure Test	12301	Pre-Code
4" South Moses Lake HP Pressure Test	14455	Pre-Code
12" Grandview Rd. Line	26956	Post-Code
8" Kitsap Lines	20C6308	Pre-Code
12" Kitsap Lines	44000, 44000-T	Post-Code
4" South Moses Lake HP Pressure Test	14455	Pre-Code
8" Bellingham Line	Line 1-1	Pre-Code
8" Attalia Line	01C4776	Pre-Code
6" Wenatchee Line	2912	Pre-Code
12" Grandview Rd Line	26956	Post-Code
MAOP Validation on 16" North Whatcom Valve Settings	18794	Post-Code
MAOP Validation on 12" Grandview Rd. Line	26956	Post-Code
2018 projects		
8" Central Whatcom HP Line Pressure Test	14C1344	Pre-Code
8" Bellingham HP Line Pressure Test	Line 1-1	Pre-Code
4" Sedro Woolley HP Line Pressure Test	14788	Pre-Code
4" Northwest Pasco HP Line /	11097 (1)	Pre-Code
4" Glade Road HP Pressure Test	11097 (2)	Pre-Code
4" Othello HP Line Pressure Test	59C7038	Pre-Code
2" Elma Rendering Plant HP Line Pressure Test	78C7902	Pre-Code
8" March Point HP Line Pressure Test	11C1144, 11C5628, 2080	Pre-Code

This table is included to show the company's response to questions regarding the status of pipelines undergoing testing and repair.