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**VIA ELECTRONIC FILING
& FIRST CLASS MAIL**

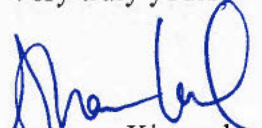
Oregon Public Utility Commission
Attn: Filing Center
3930 Fairview Industrial Drive SE
PO Box 1088
Salem, Oregon 97308

Re: *In the Matter of Cascade Natural Gas - Application for General Rate Revision*
(Docket No. UG-287)
Northwest Industrial Gas Users' Replacement Exhibit NWIGU 103

Dear Filing Center:

Attached is NWIGU 103 Page 2 of 2 to replace the same named page that was locked due to a password protection. The attached document has no password attached. Thank you for your patience and please let me know if you need anything further.

Very truly yours


Shannon Kimmel

SK:
Enclosure

4844-9122-5894, v. 1

Cascade Natural Gas Corp.
Oregon Jurisdiction
Long Run Incremental Cost (LRIC) Study
Summary

Line #	Description	Total	<u>101</u>	<u>104</u>	<u>105</u>	<u>111</u>	<u>163+164</u>	<u>170</u>	<u>900</u>
			Residential Service core	Commercial Service core	Industrial Service core	Large Volume Service core	General Distribution non-core	Interruptible core	Special Contracts non-core
1	Billing Determinants								
2	Peak Day Forecast	83,138	46,988	32,086	2,617	1,447	0	0	0
3	Customer Count	69,254	59,252	9,839	111	13	32	4	4
4	Throughput	33,745,469	3,944,203	2,790,590	253,388	157,985	3,478,380	276,803	22,844,121
5									
6	O&M Costs								
7	Gas Supply Related								
8	Gas Planning	\$ 26,165	\$ 11,922	\$ 8,191	\$ 681	\$ 386	\$ 640	\$ 143	\$ 4,201
9	Gas Supply	\$ 44,079	\$ 17,347	\$ 12,273	\$ 1,114	\$ 695	\$ 1,511	\$ 1,217	\$ 9,922
10	Gas Control	\$ 95,077	\$ 37,043	\$ 26,208	\$ 2,380	\$ 1,484	\$ 12,058	\$ 2,600	\$ 13,305
11	Customer Related								
12	Meter Reading	\$ 253,003	\$ 211,393	\$ 35,101	\$ 396	\$ 1,499	\$ 3,691	\$ 461	\$ 461
13	Customer Acct records & collect.	\$ 1,229,953	\$ 1,048,824	\$ 174,154	\$ 1,964	\$ 230	\$ 3,825	\$ 478	\$ 478
14	Billing Postage & Printing	\$ 346,211	\$ 296,208	\$ 49,184	\$ 555	\$ 65	\$ 160	\$ 20	\$ 20
15	Uncollectible	\$ 278,894	\$ 226,650	\$ 52,214	\$ 30	\$ -	\$ -	\$ -	\$ -
16	Subtotal: O&M Costs	\$ 2,273,382	\$ 1,849,385	\$ 357,326	\$ 7,120	\$ 4,359	\$ 21,884	\$ 4,920	\$ 28,388
17									
18	Customer Investment Carrying Costs								
19	Meter	\$ 2,935,074	\$ 1,600,768	\$ 1,179,345	\$ 95,899	\$ 6,318	\$ 35,146	\$ 7,856	\$ 9,742
20	Service	\$ 12,417,164	\$ 10,226,363	\$ 1,885,694	\$ 51,727	\$ 16,710	\$ 177,124	\$ 46,631	\$ 12,914
21	Mains	\$ 11,632,431	\$ 4,526,025	\$ 1,085,696	\$ 921,423	\$ 241,753	\$ 2,758,597	\$ 382,489	\$ 1,716,447
22	Subtotal: Customer Investment Costs	\$ 26,984,669	\$ 16,353,156	\$ 4,150,736	\$ 1,069,050	\$ 264,781	\$ 2,970,867	\$ 436,976	\$ 1,739,103
23									
24	System Core Main Carrying Costs								
25	Capacity	\$ 37,706,253	\$ 21,302,440	\$ 14,546,501	\$ 1,186,418	\$ 655,982	\$ -	\$ -	\$ 14,912
26									
27	Commodity	\$ 12,881,733	\$ 1,675,488	\$ 1,185,436	\$ 107,639	\$ 67,111	\$ 1,477,607	\$ 117,585	\$ 8,250,866
28	Subtotal: System Core Main Costs	\$ 50,587,986	\$ 22,977,928	\$ 15,731,937	\$ 1,294,056	\$ 723,094	\$ 1,477,607	\$ 117,585	\$ 8,265,778
29									
30	LRIC - Distribution	\$ 79,846,037	\$ 41,180,470	\$ 20,239,999	\$ 2,370,226	\$ 992,234	\$ 4,470,358	\$ 559,481	\$ 10,033,269
31									
32	Fuctional Cost Assignment by LRIC								
33	Scheduling & Planning	\$ 165,321	\$ 66,311	\$ 46,673	\$ 4,176	\$ 2,565	\$ 14,208	\$ 3,960	\$ 27,428
34	Meter Reading, Billing etc.	\$ 2,108,061	\$ 1,783,074	\$ 310,653	\$ 2,944	\$ 1,795	\$ 7,676	\$ 960	\$ 960
35	Meters, Services & Mains extensions	\$ 26,984,669	\$ 16,353,156	\$ 4,150,736	\$ 1,069,050	\$ 264,781	\$ 2,970,867	\$ 436,976	\$ 1,739,103
36	Sysctem Core Mains	\$ 50,587,986	\$ 22,977,928	\$ 15,731,937	\$ 1,294,056	\$ 723,094	\$ 1,477,607	\$ 117,585	\$ 8,265,778
37	Total	\$ 79,846,037	\$ 41,180,470	\$ 20,239,999	\$ 2,370,226	\$ 992,234	\$ 4,470,358	\$ 559,481	\$ 10,033,269
38									
39	Non-Gas Revenue at Current Rates	\$ 28,954,127	\$ 16,312,863	\$ 7,513,446	\$ 472,884	\$ 230,926	\$ 2,295,862	\$ 340,717	\$ 1,787,429
40	Proposed Increase	\$ 961,000							
41	LRIC Based Non-gas Rev Req.	\$ 29,915,127	\$ 15,428,680	\$ 7,583,121	\$ 888,029	\$ 371,750	\$ 1,674,865	\$ 209,615	\$ 3,759,066
42	Revenue to Cost Ratio		1.06	0.99	0.53	0.62	1.37	1.63	0.48
43									
44	Incremental Non-gas Revenue Req.	\$ 961,000	\$ (884,183)	\$ 69,675	\$ 415,145	\$ 140,825	\$ (620,997)	\$ (131,102)	\$ 1,971,637