



In the Community to Serve®

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May 2, 2018

Oregon Public Utility Commission
Attn: Filing Center
P.O. Box 1088
Salem, OR 97308-1088

RE: Cascade Natural Gas Corporation's Supplemental Filing regarding LC 69 Response Comments

Attention: Filing Center

Attached is a Supplemental Filing regarding LC 69 Response Comments filed by Cascade Natural Gas on May 1, 2018. The Carbon Tax Analysis Workpaper is an attachment to the Carbon Tax Analysis Narrative.pdf.

If there are any questions regarding this request, please contact me at (509) 734-4589 or via email at mark.sellers-vaughn@cngc.com or Brian Robertson at (509) 734-4546 or via email at Brian.Robertson@cngc.com.

Sincerely,
CASCADA NATURAL GAS CORPORATION

A handwritten signature in black ink that reads "Mark Sellers-Vaughn". The signature is written in a cursive, flowing style.

Mark Sellers-Vaughn
Manager, Supply Resource Planning

year	Old Carbon Tax	Converted to Dths	Old Cost per Dth	IEPR Carbon Price	Cost per Dth Difference	Old Commodity Cost	New Commodity Cost	System Total Avoided Cost	% change with New CC	Old OR DSM (therms)	New OR DSM (therms)	Cumulative peak day therm change
2018	10	529.1	\$ 0.58323	0	0.58323	0.35094	0.29262	0.42387	-13.76%	1095	944	-151
2019	20	1058.2	\$ 1.16647	0	1.16647	0.39920	0.28256	0.59492	-19.61%	1141	917	-374
2020	30	1587.3	\$ 1.74970	0	1.74970	0.48406	0.30909	0.68826	-25.42%	1136	847	-663
2021	40	2116.4	\$ 2.33293	19.23	1.21138	0.55777	0.43664	0.76935	-15.75%	1167	983	-847
2022	50	2645.5	\$ 2.91616	21.54	1.65998	0.62154	0.45554	0.84317	-19.69%	1183	950	-1080
2023	60	3174.6	\$ 3.49940	24.12	2.09288	0.69348	0.48419	0.92230	-22.69%	1208	934	-1354
2024	60	3174.6	\$ 3.49940	27.00	1.92489	0.70704	0.51455	0.93721	-20.54%	1211	962	-1602
2025	60	3174.6	\$ 3.49940	30.23	1.73633	0.72718	0.55355	0.95937	-18.10%	1204	986	-1820
2026	60	3174.6	\$ 3.49940	33.85	1.52534	0.73698	0.58445	0.97529	-15.64%	1206	1018	-2009
2027	60	3174.6	\$ 3.49940	37.89	1.28954	0.75618	0.62723	0.99641	-12.94%	1196	1042	-2164
2028	60	3174.6	\$ 3.49940	42.41	1.02576	0.77047	0.66789	1.01213	-10.13%	1174	1055	-2283
2029	60	3174.6	\$ 3.49940	47.47	0.73052	0.79949	0.72644	1.04405	-7.00%	1140	1061	-2363
2030	60	3174.6	\$ 3.49940	53.16	0.39910	0.81039	0.77048	1.06205	-3.76%	1115	1073	-2405
2031	60	3174.6	\$ 3.49940	55.12994	0.28404	0.82739	0.79898	1.08075	-2.63%	1078	1049	-2433
2032	60	3174.6	\$ 3.49940	57.20338	0.16311	0.84374	0.82743	1.09874	-1.48%	1074	1058	-2449
2033	60	3174.6	\$ 3.49940	59.37076	0.03670	0.84587	0.84220	1.10108	-0.33%	1051	1048	-2452
2034	60	3174.6	\$ 3.49940	61.62868	-0.09499	0.84721	0.85671	1.10904	0.86%	1045	1054	-2443
2035	60	3174.6	\$ 3.49940	63.98056	-0.23216	0.86295	0.88616	1.12635	2.06%	1043	1064	-2422
2036	60	3174.6	\$ 3.49940	66.43306	-0.37520	0.85429	0.89181	1.11683	3.36%	1013	1047	-2388
2037	60	3174.6	\$ 3.49940	68.98289	-0.52391	0.86936	0.92175	1.13340	4.62%	948	992	-2344