

**Liberty Utilities (EnergyNorth Natural Gas) Corp.
d/b/a Liberty Utilities**

Calculation of the Projected Over or Under Collection of the
2020 Summer Cost of Gas Filing
DG 19-145

May 1, 2020

Under/(Over) Collection as of April 01, 2020		\$ (357,691)
Forecasted firm Residential therm sales 06/01/20 - 10/31/20	8,635,719	
Residential Cost of Gas Rate per therm	\$ (0.4520)	
Forecasted firm C&I High Winter Use therm sale 06/01/20 - 10/31/20	3,137,603	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4474)	
Forecasted firm C&I Low Winter therm sales 06/01/20 - 10/31/20	2,489,628	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4591)	
Forecasted firm Residential therm sales 05/2020	4,077,018	
Residential Cost of Gas Rate per therm	\$ (0.4520)	
Forecasted firm C&I High Winter Use therm sales 05/2020	1,845,772	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4474)	
Forecasted firm C&I Low Winter Use therm sales 05/2020	787,291	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4591)	
Forecast recovered costs at current rate 05/2020		(9,480,153)
Estimated FPO Premium 05/01/2020 - 10/31/2020		-
Revised projected gas costs 05/01/2020 - 10/31/2020		5,646,270
Estimated interest charged (credited) to customers 05/01/2020 -10/31/2020		59,825
Projected under / (over) collection as of 04/30/2020 (A)		\$ (4,131,749)

Actual Gas Costs through 05/01/19	\$ 5,706,095
Revised projected gas costs 05/01/2020 - 10/31/2020	\$ 5,646,270
Estimated total adjusted gas costs 05/01/2020 - 10/31/2020 (B)	\$ 11,412,191

Under/ (over) collection as percent of total gas costs (A/B)	-36.20%
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Projected under / (over) collection as of 04/30/2020 (A)	\$ (4,131,749)
Forecasted firm therm sales 05/01/2020-10/31/2020	20,973,031
Change in rate used to reduce forecast under/(over) collection	\$ (0.1970)
Current Cost of Gas Rate	\$ 0.4520
Revised Cost of Gas Rate	\$ 0.2550
Cap - Residential Cost of Gas Rate	\$ 0.5650

Revised as follows:

The revised projected gas costs include the May 2020 - Oct 2020 NYMEX settled strip prices as of April 21 2020.

Compliance rates per New Hampshire Public Utilities Commission Order Number 26,306 dated October 31, 2019, in Docket DG 19-145. The Company may adjust the approved residential cost of gas rate of \$0.4520 per therm upwards by no more than 25% or \$0.1130 per therm. The adjusted residential cost of gas rate shall not be more than \$0.5650 per therm.

Liberty Utilities (EnergyNorth Natural Gas) Corp.

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Projected Over or Under Collection

Without Rate Adjustment	Beginning Under/(Over)	Nov-19 (Estimate)	Dec-19 (Estimate)	Jan-20 (Estimate)	Feb-20 (Estimate)	Mar-20 (Estimate)	Apr-20 (Estimate)	Total Peak
Total Gas Costs		\$ 1,342,211	\$ 848,940	\$ 748,173	\$ 755,165	\$ 841,005	\$ 1,314,238	\$ 5,849,731
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Return on Inventory per DG 17-048		-	-	-	-	-	-	-
Transportation Revenue		-	-	-	-	-	-	-
Broker Revenue		-	-	-	-	-	-	-
Off System and Capacity Release		-	-	-	-	-	-	-
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(32,406)	(32,406)	(32,406)	(32,406)	(32,406)	(32,406)	(194,435)
Working Capital		(1,925)	(1,925)	(1,925)	(1,925)	(1,925)	(1,925)	(11,547)
Misc Overhead		-	-	-	-	-	-	-
Production & Storage		420	420	420	420	420	420	2,521
Total Indirect Costs		\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (203,461)
Interest		12,411	10,343	9,924	9,275	9,765	8,107	\$ 59,825
Total Gas Costs plus Indirect Costs	\$ (357,691)	1,320,712	825,372	724,187	730,530	816,860	1,288,435	\$ 5,348,404
Total Forecasted Sales Volumes		6,710,081	3,528,276	2,117,846	1,875,965	2,447,718	4,293,146	20,973,031
Total Forecasted Collections		3,030,056	1,593,982	957,681	849,215	1,108,279	1,940,940	\$ 9,480,153
With Rate Adjustment	Beginning Under/(Over)	Nov-19 (Estimate)	Dec-19 (Estimate)	Jan-20 (Estimate)	Feb-20 (Estimate)	Mar-20 (Estimate)	Apr-20 (Estimate)	Total Peak
Total Gas Costs		\$ 1,342,211	\$ 848,940	\$ 748,173	\$ 755,165	\$ 841,005	\$ 1,314,238	\$ 5,849,731
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	-	-	-	-	-	-
Broker Revenue		-	-	-	-	-	-	-
Off System and Capacity Release		-	-	-	-	-	-	-
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(32,406)	(32,406)	(32,406)	(32,406)	(32,406)	(32,406)	(194,435)
Working Capital		(1,925)	(1,925)	(1,925)	(1,925)	(1,925)	(1,925)	(11,547)
Misc Overhead		-	-	-	-	-	-	-
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Total Indirect Costs		\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (33,910)	\$ (203,461)
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Total Gas Costs plus Indirect Costs	\$ (357,691)	1,320,712	825,372	724,187	730,530	816,860	1,288,496	\$ 5,348,465
Total Forecasted Sales Volumes		6,710,081	3,528,276	2,117,846	1,875,965	2,447,718	4,293,146	20,973,031
Total Forecasted Collections		1,708,170	898,912	540,465	479,650	626,079	1,095,190	\$ 5,348,465

Decrease in Demand approx \$1.5M