

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

Calculation of the Projected Over or Under Collection of the
 2019 - 2020 Winter Cost of Gas Filing
 DG 19-145

January 1, 2020

Under/(Over) Collection as of 12/1/19		\$ (2,597,716)
Forecasted firm Residential therm sales 1/1/20 - 4/30/20	40,422,386	
Residential Cost of Gas Rate per therm	\$ (0.6203)	
Forecasted firm C&I High Winter Use therm sales 1/1/20 - 4/30/20	21,837,802	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.6190)	
Forecasted firm C&I Low Winter therm sales 1/1/20 - 4/30/20	5,307,074	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.6258)	
Forecasted firm Residential therm sales 12/19	7,823,717	
Residential Cost of Gas Rate per therm	\$ (0.6203)	
Forecasted firm C&I High Winter Use therm sales 12/19	4,427,982	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.6190)	
Forecasted firm C&I Low Winter Use therm sales 12/19	942,292	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.6258)	
Forecast recovered costs at current rate 12/1/19 - 4/30/20		(50,096,432)
Estimated FPO Premium 12/1/19 - 4/30/20		(103,942)
Revised projected gas costs 12/1/19 - 4/30/20		49,225,004
Estimated interest charged (credited) to customers 12/1/19 - 4/30/20		(145,980)
Projected under / (over) collection as of 4/30/20 (A)		\$ (3,719,065)

Actual Gas Costs through 12/1/19	\$ 6,006,660
Revised projected gas costs 12/1/19 - 4/30/20	\$ 49,121,063
Estimated total adjusted gas costs 12/1/19 - 4/30/20 (B)	\$ 54,981,742

Under/ (over) collection as percent of total gas costs (A/B)	-6.76%
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Projected under / (over) collections as of 12/30/19 (A)	\$ (3,719,065)
Forecasted firm therm sales 1/1/20 - 4/30/20	67,567,263
Change in rate used to reduce forecast under/(over) collection	\$ (0.0550)
Current Cost of Gas Rate	\$ 0.6203
Revised Cost of Gas Rate	\$ 0.5653
Cap - Residential Cost of Gas Rate	\$ 0.7754

Revised as follows:

The revised projected gas costs include the December 2019 - April 2020 NYMEX settled strip prices as of [December 16, 2019](#).

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 \$0.6203 per therm upwards by no more than 25% or \$0.1551 per therm. The adjusted residential cost of gas rate shall not be more than \$0.7754 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 (Actual)	Dec-19 (Estimate)	Jan-20 (Estimate)	Feb-20 (Estimate)	Mar-20 (Estimate)	Apr-20 (Estimate)	Total Peak
Total Gas Costs		\$ 5,603,789	\$ 8,889,907	\$ 12,113,181	\$ 11,955,187	\$ 7,657,502	\$ 6,148,606	\$ 52,368,172
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Return on Inventory per DG 17-048		63,460	-	-	-	-	-	63,460
Transportation Revenue		(52,282)	(6,626)	(8,287)	(8,656)	(7,728)	(6,521)	(90,101)
Broker Revenue		-	93,826	200,797	(188,088)	(97,784)	(85,012)	(76,262)
Off System and Capacity Release		-	(327,648)	(309,976)	(310,558)	(313,129)	(299,597)	(1,560,907)
Fixed Price Option Admin.		-	45,000	-	-	-	-	45,000
Bad Debt Costs		52,842	389,223	550,749	590,140	502,647	349,699	2,435,299
Working Capital		8,412	7,916	11,202	12,003	10,223	7,113	56,869
Misc Overhead		-	1,526	2,159	2,313	1,970	1,371	9,339
Production & Storage		331,846	330,071	330,071	330,071	330,071	330,071	1,982,203
Total Indirect Costs		\$ 404,277	\$ 533,288	\$ 776,715	\$ 427,224	\$ 426,271	\$ 297,123	\$ 2,864,898
Interest		(1,406)	(6,938)	(18,821)	(26,297)	(40,222)	(53,702)	\$ (147,386)
Total Gas Costs plus Indirect Costs	\$ 979,994	6,006,660	9,401,181	12,845,737	12,330,135	8,022,979	6,375,050	\$ 55,961,736
Total Forecasted Sales Volumes		11,333,251	13,193,992	18,669,469	20,004,731	17,038,873	11,854,190	92,094,506
Total Forecasted Collections		9,584,369	8,183,659	11,581,034	12,408,215	10,569,285	7,354,240	\$ 59,680,802
With Rate Adjustment	Beginning	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	
Off System and Capacity Release		-	(327,648)	(309,976)	(310,558)	(313,129)	(299,597)	(1,560,907)
Fixed Price Option Admin.		-	45,000	-	-	-	-	45,000
Bad Debt Costs		52,842	389,223	550,749	590,140	502,647	349,699	2,435,299
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Total Indirect Costs		\$ 404,277	\$ 533,288	\$ 776,715	\$ 427,224	\$ 426,271	\$ 297,123	\$ 2,864,898
Interest		(1,406)	(6,938)	(18,821)	(26,297)	(40,222)	(50,836)	\$ (144,520)
Total Gas Costs plus Indirect Costs	\$ 979,994	6,006,660	9,401,181	12,845,737	12,330,135	8,022,979	6,377,916	\$ 55,964,602
Total Forecasted Sales Volumes		11,333,251	13,193,992	18,669,469	20,004,731	17,038,873	11,854,190	92,094,506
Total Forecasted Collections		9,584,369	8,183,659	10,554,213	11,307,954	9,632,147	6,702,259	\$ 55,964,602