

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

February 1, 2020

Under/(Over) Collection as of 01/01/19		\$ (3,875,506)
Forecasted firm Residential therm sales 02/01/20 - 4/30/20	29,277,258	
Residential Cost of Gas Rate per therm	\$ (0.5653)	
Forecasted firm C&I High Winter Use therm sales 02/01/20 - 4/30/20	15,805,193	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5640)	
Forecasted firm C&I Low Winter therm sales 02/01/20 - 4/30/20	3,815,343	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5708)	
Forecasted firm Residential therm sales 01/20	11,145,128	
Residential Cost of Gas Rate per therm	\$ (0.5653)	
Forecasted firm C&I High Winter Use therm sales 01/20	6,032,609	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5640)	
Forecasted firm C&I Low Winter Use therm sales 01/20	1,491,731	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5708)	
Forecast recovered costs at current rate 01/1/19 - 4/30/20		(38,196,573)
Estimated FPO Premium 01/01/20 - 4/30/20		(333,246)
Revised projected gas costs 01/01/19 - 04/30/20		35,370,322
Estimated interest charged (credited) to customers 01/01/19 - 4/30/20		(146,676)
Projected under / (over) collection as of 04/30/20 (A)		\$ (7,181,679)

Actual Gas Costs through 01/01/19	\$ 14,320,815
Revised projected gas costs 01/01/19 - 4/30/20	\$ 35,037,076
Estimated total adjusted gas costs 01/01/19 - 4/30/20 (B)	\$ 49,211,214

Under/ (over) collection as percent of total gas costs (A/B)	-14.59%
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Projected under / (over) collections as of 01/30/20 (A)	\$ (7,181,679)
Forecasted firm therm sales 02/01/20 - 4/30/20	48,897,794
Change in rate used to reduce forecast under/(over) collection	\$ (0.1469)
Current Cost of Gas Rate	\$ 0.5653
Revised Cost of Gas Rate	\$ 0.4184
Cap - Residential Cost of Gas Rate	\$ 0.7754

Revised as follows:

The revised projected gas costs include the January 2020 - April 2020 NYMEX settled strip prices as of January 17, 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 \$0.6203 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 (Actual)	Jan-20 (Estimate)	Feb-20 (Estimate)	Mar-20 (Estimate)	Apr-20 (Estimate)	Total Peak
Total Gas Costs		\$ 5,603,789	\$ 7,924,232	\$ 11,822,401	\$ 10,612,881	\$ 7,287,820	\$ 3,666,759	\$ 46,917,882
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Return on Inventory per DG 17-048		63,460	63,460	-	-	-	-	126,919
Transportation Revenue		(52,282)	(27,948)	(8,001)	(8,357)	(7,461)	(6,296)	(110,345)
Broker Revenue		-	-	200,797	(188,088)	(97,784)	(85,012)	(170,088)
Off System and Capacity Release		-	-	(309,976)	(310,558)	(313,129)	(299,597)	(1,233,260)
Fixed Price Option Admin.		-	-	45,000	-	-	-	45,000
Bad Debt Costs		52,842	35,826	550,749	590,140	502,647	349,699	2,081,901
Working Capital		8,412	(901)	11,202	12,003	10,223	7,113	48,051
Misc Overhead		-	-	2,145	2,299	1,958	1,362	7,764
Production & Storage		331,846	331,846	331,846	331,846	331,846	331,846	1,991,077
Total Indirect Costs		\$ 404,277	\$ 402,282	\$ 823,762	\$ 429,283	\$ 428,300	\$ 299,114	\$ 2,787,020
Interest		(1,406)	(12,360)	(11,937)	(25,050)	(46,531)	(63,159)	\$ (160,441)
Total Gas Costs plus Indirect Costs	\$ 979,994	6,006,660	8,314,155	12,539,213	10,919,691	7,592,444	3,839,051	\$ 50,191,208
Total Forecasted Sales Volumes		11,333,251	13,776,288	18,669,469	20,004,731	17,038,873	11,854,190	92,676,802
Total Forecasted Collections		9,584,369	9,591,945	10,554,213	11,307,954	9,632,147	6,702,259	\$ 57,372,887
With Rate Adjustment	Beginning	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	
Off System and Capacity Release		-	-	(309,976)	(310,558)	(313,129)	(299,597)	(1,233,260)
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Total Forecasted Collections		9,584,369	9,591,945	10,554,213	8,369,259	7,129,136	4,960,879	\$ 50,189,802