

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

Calculation of the Projected Over or Under Collection of the
 2020 - 2021 Winter Cost of Gas Filing
 DG 20-141

January 1, 2021

Under/(Over) Collection as of 11/30/2020		\$	531,904
Forecasted firm Residential therm sales 01/01/2021 - 4/30/2021	34,551,894		
Residential Cost of Gas Rate per therm	\$ (0.5571)		
Forecasted firm C&I High Winter Use therm sales 01/01/21 - 4/30/21	21,442,299		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5552)		
Forecasted firm C&I Low Winter therm sales 01/01/21 - 4/30/21	4,227,262		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5660)		
Forecasted firm GAP-R4 Winter therm sales 01/01/21 - 4/30/21	2,499,715		
GAP R-4 Cost of Gas Rate per therm	\$ (0.3064)		
Forecasted firm Residential therm sales 12/2020	9,951,308		
Residential Cost of Gas Rate per therm	\$ (0.5571)		
Forecasted firm C&I High Winter Use therm sales 12/2020	6,220,129		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5552)		
Forecasted firm C&I Low Winter Use therm sales 12/2020	1,297,247		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5660)		
Forecasted firm GAP-R4 Winter therm sales 12/2020	721,571		
GAP R-4 Cost of Gas Rate per therm	\$ (0.3064)		
Forecast recovered costs at current rate 12/01/2020 - 04/30/2021			(44,264,788)
Estimated FPO Premium 12/01/2020 - 04/30/2021			(103,942)
Revised projected gas costs 12/01/2020 - 04/30/2021			38,123,315
Estimated interest charged (credited) to customers 12/01/2020 - 04/30/2021			22,923
Projected under / (over) collection as of 04/30/2021 (A)		\$	<u>(5,690,588)</u>

Actual Gas Costs through 11/30/2020	\$	38,146,237
Revised projected gas costs 12/01/2020 - 04/30/2021	\$	<u>38,019,373</u>
Estimated total adjusted gas costs 12/01/2020- 04/30/2021 (B)	\$	<u>76,165,610</u>

Under/ (over) collection as percent of total gas costs (A/B)	-7.47%
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Projected under / (over) collections as of 11/30/2020 (A)	\$	(5,690,588)
Forecasted firm therm sales 12/01/2021 - 4/30/2021		62,721,170
Change in rate used to reduce forecast under/(over) collection	\$	(0.0907)
Current Cost of Gas Rate	\$	0.5571
Revised Cost of Gas Rate	\$	0.4664
Cap - Residential Cost of Gas Rate	\$	0.7754

Revised as follows:

The revised projected gas costs include the January 2021 - April 2021
 NYMEX settled strip prices as of December 11, 2020.

Liberty Utilities (EnergyNorth Natural Gas) Corp.
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 Projected Over or Under Collection

Without Rate Adjustment	Beginning Under/(Over)	Nov-20 (Actual)	Dec-20 (Estimate)	Jan-21 (Estimate)	Feb-21 (Estimate)	Mar-21 (Estimate)	Apr-21 (Estimate)	Total Peak
Total Gas Costs	2,901,812.6	\$ 3,680,494	\$ 7,659,644	\$ 10,029,780	\$ 7,670,784	\$ 6,335,201	\$ 5,378,083	\$ 40,753,986
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Return on Inventory per DG 17-048		71,120	73,506	73,506	73,506	73,506.1	73,506.1	438,650
Transportation Revenue		-	(228)	(253)	(221)	(205)	(161)	(1,068)
Broker Revenue		-	(6,454)	(7,087)	(6,839)	(6,444)	(5,230)	(32,054)
Off System and Capacity Release		-	(293,024)	(281,623)	(296,415)	(295,747)	(280,518)	(1,447,328)
Fixed Price Option Admin.		-	15,000	7,500	7,500	7,500	7,500	45,000
Bad Debt Costs	(280,722)	36,230	89,251	115,593	89,375	74,531	44,444	449,423
Working Capital	(73,944)	4,683	9,735	12,747	9,749	8,051	4,611	49,575
Misc Overhead		-	2,091	2,399	1,950	1,781	1,079	9,300
Production & Storage		331,833	330,071	330,071	330,071	330,071	330,071	1,982,189
Total Indirect Costs		\$ 443,866	\$ 219,947	\$ 252,852	\$ 208,675	\$ 193,046	\$ 175,303	\$ 1,493,689
Interest		4,985	11,849	7,257	4,821	820	(1,825)	\$ 27,908
Total Gas Costs plus Indirect Costs	\$ 2,547,146	4,129,345	7,891,441	10,289,889	7,884,279	6,529,067	5,551,561	\$ 44,822,729
Total Forecasted Sales Volumes		11,027,584	18,190,255	20,866,784	16,966,205	15,497,221	9,390,960	91,939,009
Total Forecasted Collections		6,144,588	9,967,697	11,438,967	9,312,885	8,494,225	5,154,957	\$ 50,513,317
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Total Forecasted Collections		6,144,588	9,746,607	9,367,200	7,633,894	6,951,273	4,220,668	\$ 44,064,229