

Liberty Utilities (EnergyNorth Natural Gas) Corp.

d/b/a Liberty

Calculation of the Projected Over or Under Collection of the
2022-2023 Winter Cost of Gas Filing

DG 22-045

January 01, 2023

Under/(Over) Collection as of 12/01/2022		\$	(6,011,577)
Forecasted firm Residential therm sales 01/01/2023 to 04/30/2023	33,457,700		
Residential Cost of Gas Rate per therm	\$ (1.2551)	\$	(41,992,759)
Forecasted firm Residential (GAP) therm sales 01/01/2023 to 04/30/2023	2,389,320		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.6903)	\$	(1,649,348)
Forecasted firm C&I High Winter Use therm sales 01/01/2023 to 04/30/2023	22,733,750		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.2552)	\$	(28,535,403)
Forecasted firm C&I Low Winter Use therm sales 01/01/2023 to 04/30/2023	4,444,809		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.2547)	\$	(5,576,902)
Forecasted firm Residential therm sales 12/2022	9,549,630		
Residential Cost of Gas Rate per therm	\$ (1.2551)	\$	(11,985,741)
Forecasted firm Residential (GAP) therm sales 12/2022	673,650		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.6903)	\$	(465,021)
Forecasted firm C&I High Winter Use therm sales 12/2022	6,423,480		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.2552)	\$	(8,062,752)
Forecasted firm C&I Low Winter Use therm sales 12/2022	1,270,469		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.2547)	\$	(1,594,057)
Forecast recovered costs at current rate 12/2022		\$	(99,861,982)
Estimated FPO Premium 12/01/2022 to 04/30/2023		\$	(16,088)
Projected gas costs 12/01/2022 to 04/30/2023		\$	110,655,837
Estimated interest charged (credited) to customers 12/01/2022 to 04/30/2023		\$	(94,974)
Projected under / (over) collection as of 04/30/2023 (A)		\$	4,671,216

Actual Gas Costs through 12/01/2022	\$	15,942,169
Revised projected gas costs 12/01/2022 to 04/30/2023	\$	110,560,863
Estimated total adjusted gas costs 12/01/2022 to 04/30/2023 (B)	\$	126,503,031

Under/ (over) collection as percent of total gas costs (A/B)	3.69%
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Projected under / (over) collection as of 04/30/2023 (A)	\$	4,671,216
Forecasted firm therm sales 01/01/2023 to 04/30/2023		63,025,579
Change in rate used to reduce forecast under/(over) collection	\$	0.0741
Current Cost of Gas Rate 12/2022	\$	1.2551
Revised Cost of Gas Rate	\$	1.3292
Cap - Residential Cost of Gas Rate	\$	1.7875

Revised as follows:

The revised projected gas costs include the December 2022 - April 2023
NYMEX settled strip prices as of December 16, 2022.

Liberty Utilities (EnergyNorth Natural Gas) Corp.
d/b/a Liberty Utilities
 Projected Over or Under Collection

Without Rate Adjustment	Apr-22 Ending Balance Under/(Over)	May to Oct-22 (Actual)	Nov-22 (Actual)	Dec-22 (Estimate)	Jan-23 (Estimate)	Feb-23 (Estimate)	Mar-23 (Estimate)	Apr-23 (Estimate)	Total Peak Includes prior Under/(Over)	Last Filing 11/23/2022 Including Beginning Balances	Change 12/22/2022
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 19,298,295	\$ 29,320,744	\$ 30,662,055	\$ 21,182,870	\$ 5,442,718	\$ 121,366,324	\$ 110,981,101	\$ 10,385,223
Adjustments and Indirect Costs											
Refunds & Adjustments											
COG Bad Debt											
Return on Inventory per DG 20-105			\$ 83,406	\$ 85,935	\$ 85,935	\$ 85,935	\$ 85,935	\$ 85,935	\$ 513,080	\$ 515,609	\$ (2,528)
Transportation Revenue											
Broker Revenue											
Off System and Capacity Release											
Fixed Price Option Admin.		40,685							40,685		40,685
Bad Debt Costs	(170,565.5)	(51,867)	53,768	174,751	174,751	174,751	174,751	174,751	705,091	814,804	(109,713)
Working Capital	(30,998)	(16,939)	24,149	74,902	74,902	74,902	74,902	74,902	350,723	390,109	(39,386)
Misc Overhead											
Production & Storage			614,243	614,243	614,243	614,243	614,243	614,243	3,685,458	3,685,458	
Total Indirect Costs	\$ (201,564)	\$ (28,121)	\$ 775,567	\$ 949,831	\$ 949,831	\$ 949,831	\$ 949,831	\$ 949,831	\$ 5,295,037	\$ 5,405,980	\$ (110,943)
Interest		\$ (8,683)	\$ (54,672)	\$ (43,005)	\$ (40,376)	\$ (14,126)	\$ 7,562	\$ (5,029)	\$ (158,329)	\$ (117,654)	\$ (40,675)
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 20,205,121	\$ 30,230,199	\$ 31,597,760	\$ 22,140,263	\$ 6,387,520	\$ 126,503,031	\$ 116,269,426	\$ 10,233,605
Total Actual/Forecasted Sales Volumes (including unbilled)			16,383,192	17,917,229	21,029,207	17,732,977	15,124,179	9,139,216	97,326,000	92,780,984	4,545,016
Total Actual/Forecasted Collections (including unbilled)	\$ 1,356,641	\$ 1,356,641	\$ 20,597,104	\$ 22,109,922	\$ 25,952,690	\$ 21,882,834	\$ 18,665,717	\$ 11,266,907	\$ 121,831,816	\$ 130,430,036	\$ (8,598,221)
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (7,916,377)	\$ (3,638,869)	\$ 6,076,057	\$ 9,550,603	\$ 4,671,216	\$ 4,671,216	\$ (14,160,610)	\$ 18,831,826
With Rate Adjustment	Apr-22 Under/(Over)	May to Oct-22 (Actual)	Nov-22 (Actual)	Dec-22 (Estimate)	Jan-23 (Estimate)	Feb-23 (Estimate)	Mar-23 (Estimate)	Apr-23 (Estimate)	Total Peak		
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 19,298,295	\$ 29,320,744	\$ 30,662,055	\$ 21,182,870	\$ 5,442,718	\$ 121,366,324	\$ 110,981,101	\$ 10,385,223
Adjustments and Indirect Costs											
Refunds & Adjustments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt	-	-	-	-	-	-	-	-	-	-	-
Inventory Financing	-	-	83,406	85,935	85,935	85,935	85,935	85,935	513,080	515,609	(2,528)
Transportation Revenue	-	-	-	-	-	-	-	-	-	-	-
Broker Revenue	-	-	-	-	-	-	-	-	-	-	-
Off System and Capacity Release	-	-	-	-	-	-	-	-	-	-	-
Fixed Price Option Admin.	-	40,685	-	-	-	-	-	-	40,685	-	40,685
Bad Debt Costs	(170,566)	(51,867)	53,768	174,751	174,751	174,751	174,751	174,751	705,091	814,804	(109,713)
Working Capital	(30,998)	(16,939)	24,149	74,902	74,902	74,902	74,902	74,902	350,723	390,109	(39,386)
Misc Overhead	-	-	-	-	-	-	-	-	-	-	-
Production & Storage	-	-	614,243	614,243	614,243	614,243	614,243	614,243	3,685,458	3,685,458	
Total Indirect Costs	\$ (201,564)	\$ (28,121)	\$ 775,567	\$ 949,831	\$ 949,831	\$ 949,831	\$ 949,831	\$ 949,831	\$ 5,295,037	\$ 5,405,980	\$ (110,943)
Interest	-	(8,683)	(54,672)	(43,005)	(40,376)	(14,126)	7,562	(5,029)	(158,329)	(117,654)	(40,675)
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 20,205,121	\$ 30,230,199	\$ 31,597,760	\$ 22,140,263	\$ 6,387,520	\$ 126,503,031	\$ 116,269,426	\$ 10,233,605
Total Actual/Forecasted Sales Volumes (including unbilled)			16,383,192	17,917,229	21,029,207	17,732,977	15,124,179	9,139,216	97,326,000	92,780,984	4,545,016
Total Actual/Forecasted Collections (including unbilled)	\$ 1,356,641	\$ 1,356,641	\$ 20,597,104	\$ 22,109,922	\$ 27,484,706	\$ 23,174,558	\$ 19,767,557	\$ 11,931,959	\$ 126,422,447	\$ 116,514,195	\$ 9,908,252
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (7,916,378)	\$ (5,170,885)	\$ 3,252,317	\$ 5,625,023	\$ 80,584	\$ 80,584	\$ (244,769)	\$ 325,353