

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

February 01, 2023

Under/(Over) Collection as of 01/01/2023		\$	(13,242,990)
Forecasted firm Residential therm sales 02/01/2023 to 04/30/2023	22,271,710		
Residential Cost of Gas Rate per therm	\$ (1.3292)	\$	(29,603,557)
Forecasted firm Residential (GAP) therm sales 02/01/2023 to 04/30/2023	1,601,060		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.7311)	\$	(1,170,535)
Forecasted firm C&I High Winter Use therm sales 02/01/2023 to 04/30/2023	15,035,760		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.3293)	\$	(19,987,036)
Forecasted firm C&I Low Winter Use therm sales 02/01/2023 to 04/30/2023	3,087,842		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.3288)	\$	(4,103,124)
Forecasted firm Residential therm sales 01/2023	11,185,990		
Residential Cost of Gas Rate per therm	\$ (1.3292)	\$	(14,868,418)
Forecasted firm Residential (GAP) therm sales 01/2023	788,260		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.7311)	\$	(576,297)
Forecasted firm C&I High Winter Use therm sales 01/2023	7,697,990		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.3293)	\$	(10,232,938)
Forecasted firm C&I Low Winter Use therm sales 01/2023	1,356,967		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.3288)	\$	(1,803,138)
Forecast recovered costs at current rate 01/2023		\$	(82,345,043)
Estimated FPO Premium 01/01/2023 to 04/30/2023		\$	(13,737)
Projected gas costs 01/01/2023 to 04/30/2023		\$	58,757,820
Estimated interest charged (credited) to customers 01/01/2023 to 04/30/2023		\$	24,070
Projected under / (over) collection as of 04/30/2023 (A)		\$	(36,819,880)

Actual Gas Costs through 01/01/2023	\$	33,802,165
Revised projected gas costs 01/01/2023 to 04/30/2023	\$	<u>58,781,890</u>
Estimated total adjusted gas costs 01/01/2023 to 04/30/2023 (B)	\$	92,584,055

Under/ (over) collection as percent of total gas costs (A/B)	-39.77%
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Projected under / (over) collection as of 04/30/2023 (A)	\$	(36,819,880)
Forecasted firm therm sales 02/01/2023 to 04/30/2023		41,996,372
Change in rate used to reduce forecast under/(over) collection	\$	(0.8767)
Current Cost of Gas Rate 01/2023	\$	1.3292
Revised Cost of Gas Rate	\$	0.4525
Cap - Residential Cost of Gas Rate	\$	1.7875

Revised as follows:

The revised projected gas costs include the January 2023 - April 2023 NYMEX settled strip prices as of January 19, 2023.

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 (Actual)	Jan-23 (Estimate)	Feb-23 (Estimate)	Mar-23 (Estimate)	Apr-23 (Estimate)	Total Peak Includes prior Under/(Over)	Last Filing 12/22/2022 Including Beginning Balances	Change 1/24/2023
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 17,938,271	\$ 24,054,396	\$ 17,319,125	\$ 10,505,259	\$ 3,341,712	\$ 88,618,404	\$ 121,366,324	\$ (32,747,920)
Adjustments and Indirect Costs											
Refunds & Adjustments				\$ (887,245)					\$ (887,245)		\$ (887,245)
COG Bad Debt											
Return on Inventory per DG 20-105			\$ 83,406	\$ 83,406	\$ 85,935	\$ 85,935	\$ 85,935	\$ 85,935	\$ 510,552	\$ 513,080	\$ (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	162,577	129,527	129,527	129,527	129,527	512,020	705,091	(193,071)
Working Capital	(30,998)	(16,939)	24,149	69,557	54,628	54,628	54,628	54,628	264,279	350,723	(86,443)
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	\$ 42,538	\$ 884,332	\$ 884,332	\$ 884,332	\$ 884,332	\$ 4,125,749	\$ 5,295,037	\$ (1,169,288)
Interest		\$ (8,683)	\$ (54,672)	\$ (120,813)	\$ 7,444	\$ 16,868	\$ 11,235	\$ (11,478)	\$ (160,098)	\$ (158,329)	\$ (1,769)
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 17,859,996	\$ 24,946,171	\$ 18,220,325	\$ 11,400,826	\$ 4,214,567	\$ 92,584,055	\$ 126,503,031	\$ (33,918,976)
Current month unbilled volumes estimate			10,489,536	16,155,628							
Total Actual/Forecasted Sales Volumes (including unbilled)			16,383,192	17,903,315	21,029,207	17,732,977	15,124,179	9,139,216	97,312,086	97,326,000	(13,914)
Total Actual/Forecasted Collections (including unbilled)	\$ 1,356,641	\$ 1,356,641	\$ 20,597,104	\$ 25,091,410	\$ 27,484,706	\$ 23,174,558	\$ 19,767,557	\$ 11,931,959	\$ 129,403,935	\$ 121,831,816	\$ 7,572,120
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (13,242,990)	\$ (15,781,525)	\$ (20,735,757)	\$ (29,102,488)	\$ (36,819,880)	\$ (36,819,880)	\$ 4,671,216	\$ (41,491,096)
With Rate Adjustment											
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 17,938,271	\$ 24,054,396	\$ 17,319,125	\$ 10,505,259	\$ 3,341,712	\$ 88,618,404	\$ 121,366,324	\$ (32,747,920)
Adjustments and Indirect Costs											
Refunds & Adjustments	\$ -	\$ -	\$ -	\$ (887,245)	\$ -	\$ -	\$ -	\$ -	\$ (887,245)	\$ -	\$ (887,245)
COG Bad Debt	-	-	-	-	-	-	-	-	-	-	-
Inventory Financing	-	-	83,406	83,406	85,935	85,935	85,935	85,935	510,552	513,080	(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	162,577	129,527	129,527	129,527	129,527	512,020	705,091	(193,071)
Working Capital	(30,998)	(16,939)	24,149	69,557	54,628	54,628	54,628	54,628	264,279	350,723	(86,443)
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	\$ 42,538	\$ 884,332	\$ 884,332	\$ 884,332	\$ 884,332	\$ 4,125,749	\$ 5,295,037	\$ (1,169,288)
Interest	-	(8,683)	(54,672)	(120,813)	7,444	16,868	11,235	(11,478)	(160,098)	(158,329)	(1,769)
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 17,859,996	\$ 24,946,171	\$ 18,220,325	\$ 11,400,826	\$ 4,214,567	\$ 92,584,055	\$ 126,503,031	\$ (33,918,976)
Total Actual/Forecasted Sales Volumes (including unbilled)			16,383,192	17,903,315	21,029,207	17,732,977	15,124,179	9,139,216	97,312,086	97,326,000	(13,914)
Total Actual/Forecasted Collections (including unbilled)	\$ 1,356,641	\$ 1,356,641	\$ 20,597,104	\$ 25,091,410	\$ 27,484,706	\$ 7,892,115	\$ 6,731,638	\$ 4,063,719	\$ 93,217,334	\$ 126,422,447	\$ (33,205,114)
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (13,242,990)	\$ (15,781,525)	\$ (5,453,315)	\$ (784,127)	\$ (633,279)	\$ (633,279)	\$ 80,584	\$ (713,863)