

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

March 01, 2023

Under/(Over) Collection as of 02/01/2023		\$	(16,282,490)
Forecasted firm Residential therm sales 03/01/2023 to 04/30/2023	12,809,450		
Residential Cost of Gas Rate per therm	\$ (0.4525)	\$	(5,796,276)
Forecasted firm Residential (GAP) therm sales 03/01/2023 to 04/30/2023	931,710		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.2489)	\$	(231,903)
Forecasted firm C&I High Winter Use therm sales 03/01/2023 to 04/30/2023	8,549,700		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4526)	\$	(3,869,594)
Forecasted firm C&I Low Winter Use therm sales 03/01/2023 to 04/30/2023	1,972,535		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4521)	\$	(891,783)
Forecasted firm Residential therm sales 02/2023	9,462,260		
Residential Cost of Gas Rate per therm	\$ (0.4525)	\$	(4,281,673)
Forecasted firm Residential (GAP) therm sales 02/2023	669,350		
Residential (GAP) Cost of Gas Rate per therm	\$ (0.2489)	\$	(166,601)
Forecasted firm C&I High Winter Use therm sales 02/2023	6,486,060		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4526)	\$	(2,935,591)
Forecasted firm C&I Low Winter Use therm sales 02/2023	1,115,307		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4521)	\$	(504,230)
Forecast recovered costs at current rate 02/2023		\$	(18,677,651)
Estimated FPO Premium 02/01/2023 to 04/30/2023		\$	(9,822)
Projected gas costs 02/01/2023 to 04/30/2023		\$	29,890,732
Estimated interest charged (credited) to customers 02/01/2023 to 04/30/2023		\$	26,950
Projected under / (over) collection as of 04/30/2023 (A)		\$	(5,052,281)

Actual Gas Costs through 02/01/2023	\$	47,815,617
Revised projected gas costs 02/01/2023 to 04/30/2023	\$	29,917,682
Estimated total adjusted gas costs for 2022-2023 Winter Cost of Gas Filing	\$	77,733,299

Under/ (over) collection as percent of total gas costs (A/B)	-6.50%
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Projected under / (over) collection as of 04/30/2023 (A)	\$	(5,052,281)
Forecasted firm therm sales 03/01/2023 to 04/30/2023		24,263,395
Change in rate used to reduce forecast under/(over) collection	\$	(0.2082)
Change percentage		-46%
Current Cost of Gas Rate 02/2023	\$	0.4525
Revised Cost of Gas Rate	\$	0.2443
Cap - Residential Cost of Gas Rate	\$	1.7875

Revised as follows:

The revised projected gas costs include the February 2023 - April 2023 NYMEX settled strip prices as of February 15, 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 (Actual)	Feb-23 (Estimate)	Mar-23 (Estimate)	Apr-23 (Estimate)	Total Peak Includes prior Under/(Over)		
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 17,938,271	\$ 13,236,234	\$ 15,973,092	\$ 8,439,836	\$ 2,849,247	\$ 73,896,321		
Adjustments and Indirect Costs											
Refunds & Adjustments				\$ (887,245)					\$ (887,245)		
COG Bad Debt											
Return on Inventory per DG 20-105			\$ 83,406	\$ 83,406	\$ 83,406	\$ 85,935	\$ 85,935	\$ 85,935	\$ 508,023		
Transportation Revenue									-		
Broker Revenue									-		
Off System and Capacity Release									-		
Fixed Price Option Admin.		40,685							40,685		
Bad Debt Costs	(170,566)	(51,867)	53,768	162,577	121,983	123,902	123,902	123,902	487,601		
Working Capital	(30,998)	(16,939)	24,149	69,557	51,324	52,106	52,106	52,106	253,411		
Misc Overhead									-		
Production & Storage			614,243	614,243	614,243	614,243	614,243	614,243	3,685,458		
Total Indirect Costs	\$ (201,564)	\$ (28,121)	\$ 775,567	\$ 42,538	\$ 870,956	\$ 876,186	\$ 876,186	\$ 876,186	\$ 4,087,934		
Interest		\$ (8,683)	\$ (54,672)	\$ (120,813)	\$ (93,738)	\$ 24,155	\$ 14,517	\$ (11,722)	\$ (250,956)		
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 17,859,996	\$ 14,013,452	\$ 16,873,433	\$ 9,330,538	\$ 3,713,710	\$ 77,733,299		
Total Actual/Forecasted Sales Volumes			16,383,192	18,217,404	24,783,855	17,732,977	15,124,179	9,139,216	101,380,822		
Total Estimated Collections (unbilled)			\$ 13,661,047	\$ 8,028,691	\$ (4,622,631)	\$ -	\$ -	\$ -	\$ 17,067,107		
Total Actual(billed)/Forecasted(billed/unbilled)		\$ 1,356,641	\$ 6,936,057	\$ 17,062,719	\$ 21,675,583	\$ 7,892,115	\$ 6,731,638	\$ 4,063,719	\$ 65,718,471		
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (13,242,990)	\$ (16,282,490)	\$ (7,301,172)	\$ (4,702,272)	\$ (5,052,280)	\$ (5,052,280)		
With Rate Adjustment										Last Filing 1/24/2023	Change 2/21/2023
Total Gas Costs	\$ 5,378,797	\$ 3,852,900	\$ 6,227,945	\$ 17,938,271	\$ 13,236,234	\$ 15,973,092	\$ 8,439,836	\$ 2,849,247	\$ 73,896,321	\$ 88,618,404	\$ (14,722,083)
Adjustments and Indirect Costs											
Refunds & Adjustments	\$ -	\$ -	\$ -	\$ (887,245)	\$ -	\$ -	\$ -	\$ -	\$ (887,245)	\$ (887,245)	\$ (0)
COG Bad Debt	-	-	-	-	-	-	-	-	-	-	-
Inventory Financing	-	-	83,406	83,406	83,406	85,935	85,935	85,935	508,023	510,552	(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	121,983	123,902	123,902	123,902	487,601	512,020	(24,419)
Working Capital	(30,998)	(16,939)	24,149	69,557	51,324	52,106	52,106	52,106	253,411	264,279	(10,868)
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	\$ 870,956	\$ 876,186	\$ 876,186	\$ 876,186	\$ 4,087,934	\$ 4,125,749	\$ (37,815)
Interest	-	(8,683)	(54,672)	(120,813)	(93,738)	24,155	14,517	(11,722)	(250,956)	(160,098)	(90,858)
Total Gas Costs plus Indirect Costs	\$ 5,177,233	\$ 3,816,096	\$ 6,948,840	\$ 17,859,996	\$ 14,013,452	\$ 16,873,433	\$ 9,330,538	\$ 3,713,710	\$ 77,733,299	\$ 92,584,055	\$ (14,850,756)
Total Actual/Forecasted Sales Volumes (including unbilled)			16,383,192	18,217,404	24,783,855	17,732,977	15,124,179	9,139,216	101,380,822	Percent change >	-16%
Total Actual/Forecasted Collections (including unbilled)		\$ 1,356,641	\$ 20,597,104	\$ 25,091,410	\$ 17,052,952	\$ 7,892,115	\$ 3,635,857	\$ 2,195,163	\$ 77,821,242	\$ 97,312,085	-
Ending Balance	\$ 5,177,233	\$ 7,636,688	\$ (6,011,577)	\$ (13,242,990)	\$ (16,282,490)	\$ (7,301,172)	\$ (1,606,491)	\$ (87,943)	\$ (87,943)	\$ (633,279)	\$ 545,335