

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities
Calculation of the Projected Over or Under Collection of the
2016 Summer Cost of Gas Filing
DG 16-315

September 1, 2016

Under/(Over) Collection as of 08/1/16		\$ (738,269)
Forecasted firm Residential therm sales 9/1/16 - 10/31/16	4,002,096	
Residential Cost of Gas Rate per therm	\$ (0.4200)	
Forecasted firm C&I High Winter Use therm sales 9/1/16 - 10/31/16	922,988	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4059)	
Forecasted firm C&I Low Winter therm sales 9/1/16 - 10/31/16	567,466	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4498)	
Forecasted firm Residential therm sales 08/16	1,268,458	
Residential Cost of Gas Rate per therm	\$ (0.4200)	
Forecasted firm C&I High Winter Use therm sales 08/16	234,438	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4059)	
Forecasted firm C&I Low Winter Use therm sales 08/16	277,252	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4498)	
Forecast recovered costs at current rate 08/1/16 - 10/31/16		(3,063,386)
Revised projected gas costs 08/1/16 - 10/31/16		\$ 3,881,814
Estimated interest charged (credited) to customers 08/1/16-10/31/16		12,519
Projected under / (over) collection as of 10/31/16 (A)		\$ 92,678

Actual Gas Costs through 08/1/15	\$ 3,459,856
Revised projected gas costs 08/1/16 - 10/31/16	\$ 3,881,814
Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B)	\$ 7,354,189

Under/ (over) collection as percent of total gas costs (A/B)	1.26%
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Projected under / (over) collections as of 10/31/16 (A)	\$ 92,678
Forecasted firm therm sales 8/1/16 - 10/31/16	5,492,551
Change in rate used to reduce forecast under/(over) collection	\$ 0.0169
Current Cost of Gas Rate	\$ 0.4200
Revised Cost of Gas Rate	\$ 0.4369
Cap - Residential Cost of Gas Rate	\$ 0.5146

Revised as follows:

The revised projected gas costs include the May - October 2016 NYMEX settled strip prices as of August 18, 2016.

Compliance rates per New Hampshire Public Utilities Commission Order Number 25,884 dated April 21, 2016 in Docket DG 16-315 (April Order): The Company may adjust the approved residential cost of gas rate of \$0.4117 per therm upwards by no more than 25% or \$0.1029 per therm. The adjusted residential cost of gas rate shall not be more than \$0.5146 per therm pursuant to April Order.

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

Without Rate Adjustment	Beginning Under/(Over)	May-15 (Actual)	Jun-15 (Actual)	Jul-15 (Actual)	Aug-15 (Estimate)	Sep-15 (Estimate)	Oct-15 (Estimate)	Total Off-Peak
Total Demand		\$ 298,068	\$ 369,896	\$ 302,039	\$ 767,867	\$ 767,867	\$ 767,867	\$ 3,273,604
Total Commodity		\$ 868,968	\$ 670,370	\$ 888,668	\$ 69,701	\$ 219,713	\$ 1,149,482	\$ 3,866,902
Hedge Savings		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Gas Costs		\$ 1,167,036	\$ 1,040,266	\$ 1,190,707	\$ 837,569	\$ 987,580	\$ 1,917,349	\$ 7,140,506
Adjustments and Indirect Costs		\$ (12,313)	\$ (11,336)	\$ 6,125	\$ -	\$ -	\$ -	\$ (17,524)
Refunds & Adjustments		-	-	-	-	-	-	-
It Margin		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	-	-	-	-	-	-
Broker Revenue		-	-	-	-	-	-	-
Off System and Capacity Release		-	-	-	-	-	-	-
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		36,229	12,969	31,512	42,057	42,057	42,057	206,879
Working Capital		(203)	(1,963)	(624)	3,939	3,939	3,939	9,026
Misc Overhead		444	444	444	444	444	444	2,663
Production & Storage		-	-	-	-	-	-	-
Total Indirect Costs		\$ 24,157	\$ 114	\$ 37,457	\$ 46,439	\$ 46,439	\$ 46,439	\$ 201,045
Interest		\$ 4,911	\$ (2,362)	\$ (2,429)	\$ 3,064	\$ 3,300	\$ 6,154	\$ 12,639
Total Gas Costs plus Indirect Costs	\$ 1,212,914	\$ 1,196,103	\$ 1,038,018	\$ 1,225,735	\$ 887,072	\$ 1,037,319	\$ 1,969,942	\$ 8,567,103
Total Forecasted Sales Volumes		6,504,083	3,109,170	2,003,085	1,780,148	1,917,302	3,575,248	18,889,037
Total Forecasted Collections	\$ -	\$ 3,196,753	\$ 1,213,519	\$ 1,000,766	\$ 752,619	\$ 810,397	\$ 1,500,371	\$ 8,474,425
With Rate Adjustment	Beginning Under/(Over)	May-15 (Actual)	Jun-15 (Actual)	Jul-15 (Actual)	Aug-15 (Estimate)	Sep-15 (Estimate)	Oct-15 (Estimate)	Total Off-Peak
Total Demand		\$ 298,068	\$ 369,896	\$ 302,039	\$ 767,867	\$ 767,867	\$ 767,867	\$ 3,273,604
Total Commodity		\$ 868,968	\$ 670,370	\$ 888,668	\$ 69,701	\$ 219,713	\$ 1,149,482	\$ 3,866,902
Hedge Savings		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Gas Costs		\$ 1,167,036	\$ 1,040,266	\$ 1,190,707	\$ 837,569	\$ 987,580	\$ 1,917,349	\$ 7,140,506
Adjustments and Indirect Costs		\$ (12,313)	\$ (11,336)	\$ 6,125	\$ -	\$ -	\$ -	\$ (\$17,524)
Prior Period Adjustment		-	-	-	-	-	-	-
It Margin		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	-	-	-	-	-	-
Broker Revenue		-	-	-	-	-	-	-
Off System and Capacity Release		-	-	-	-	-	-	-
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		36,229	12,969	31,512	42,057	42,057	42,057	206,879
Working Capital		(203)	(1,963)	(624)	3,939	3,939	3,939	9,026
Misc Overhead		444	444	444	444	444	444	2,663
Production & Storage		-	-	-	-	-	-	-
Total Indirect Costs		\$ 24,157	\$ 114	\$ 37,457	\$ 46,439	\$ 46,439	\$ 46,439	\$ 201,045
Interest		\$ 4,911	\$ (2,362)	\$ (2,429)	\$ 3,064	\$ 3,300	\$ 6,300	\$ 12,785
Total Gas Costs plus Indirect Costs	\$ 1,212,914	\$ 1,196,103	\$ 1,038,018	\$ 1,225,735	\$ 887,072	\$ 1,037,319	\$ 1,970,088	\$ 8,567,249
Total Forecasted Sales Volumes		6,504,083	3,109,170	2,003,085	1,780,148	1,917,302	3,575,248	18,889,037
Total Forecasted Collections	\$ -	\$ 3,196,753	\$ 1,213,519	\$ 1,000,766	\$ 752,619	\$ 842,799	\$ 1,560,793	\$ 8,567,249