

**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

April 1, 2021

Under/(Over) Collection as of 2/28/2021		\$ 3,746,625
Forecasted firm Residential therm sales 04/01/2021 - 4/30/2021	5,467,872	
Residential Cost of Gas Rate per therm	\$ (0.5156)	
Forecasted firm C&I High Winter Use therm sales 04/01/2021 - 4/30/2021	2,714,370	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5137)	
Forecasted firm C&I Low Winter therm sales 04/01/2021 - 4/30/2021	826,112	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5245)	
Forecasted firm GAP-R4 Winter therm sales 04/01/2021 - 4/30/2021	382,606	
GAP R-4 Cost of Gas Rate per therm	\$ (0.2836)	
Forecasted firm Residential therm sales 03/2021	8,743,694	
Residential Cost of Gas Rate per therm	\$ (0.5156)	
Forecasted firm C&I High Winter Use therm sales 03/2021	5,059,811	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.5137)	
Forecasted firm C&I Low Winter Use therm sales 03/2021	1,056,931	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.5245)	
Forecasted firm GAP-R4 Winter therm sales 03/2021	636,785	
GAP R-4 Cost of Gas Rate per therm	\$ (0.2836)	
Forecast recovered costs at current rate 03/01/2021 - 04/30/2021		(12,597,835)
Estimated FPO Premium 03/01/2021 - 04/30/2021		(1,045,933)
Revised projected gas costs 03/01/2021 - 04/30/2021		10,733,834
Estimated interest charged (credited) to customers 03/01/2021 - 04/30/2021		2,618
Projected under / (over) collection as of 04/30/2021 (A)		\$ 839,309

Actual Gas Costs through 02/28/2021	\$ 31,356,221
Revised projected gas costs 03/01/2021 - 04/30/2021	\$ 10,733,834
Estimated total adjusted gas costs 03/01/2021 - 04/30/2021 (B)	\$ 42,090,055

Under/ (over) collection as percent of total gas costs (A/B)	1.99%
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Projected under / (over) collections as of 04/30/2021 (A)	\$ 839,309
Forecasted firm therm sales 04/01/2021 - 04/30/2021	9,390,960
Change in rate used to reduce forecast under/(over) collection	\$ 0.0894
Current Cost of Gas Rate	\$ 0.5156
Revised Cost of Gas Rate	\$ 0.6050
Cap - Residential Cost of Gas Rate	\$ 0.6964

Revised as follows:

The revised projected gas costs include the March 2021 - April 2021  
 NYMEX settled strip prices as of March 18, 2021.

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 Projected Over or Under Collection

Without Rate Adjustment	Beginning Under/(Over)	Nov-20 (Actual)	Dec-20 (Actual)	Jan-21 (Actual)	Feb-21 (Actual)	Mar-21 (Estimate)	Apr-21 (Estimate)	Total Peak
Total Gas Costs	2,901,812.6	\$ 3,680,494	\$ 6,977,444	\$ 9,926,014	\$ 9,002,401	\$ 6,715,817	\$ 3,645,171	\$ 39,947,341
Forecasted firm Residential therm sales 01/01/2021 - 4/30/2021								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fore COG Bad Debt		-	-	-	-	-	-	-
Return on Inventory per DG 17-048		71,120	71,120	71,120	71,120	73,506.1	73,506.1	431,491
Fore Transportation Revenue		-	-	-	-	(228)	(179)	(407)
Broker Revenue		-	-	-	-	(6,444)	(5,230)	(11,674)
Fore Off System and Capacity Release		-	-	-	-	(295,747)	(280,518)	(576,265)
Fixed Price Option Admin.		-	-	-	-	7,500	7,500	15,000
Bad Debt Costs	(280,722)	36,230	25,245	24,994	14,299	78,761	44,634	224,162
Working Capital	(73,944)	4,683	10,762	14,595	14,502	8,535	4,633	57,709
Misc Overhead		-	-	-	-	1,541	934	2,475
Production & Storage		331,833	331,833	331,833	331,833	330,071	330,071	1,987,473
Total Indirect Costs		\$ 443,866	\$ 438,959	\$ 442,541	\$ 431,753	\$ 197,496	\$ 175,351	\$ 2,129,965
Interest		4,985	(52)	949	6,867	2,386	233	\$ 15,367
Total Gas Costs plus Indirect Costs	\$ 2,547,146	4,129,345	7,416,351	10,369,504	9,441,021	6,915,698	3,820,754	\$ 44,639,820
Total Forecasted Sales Volumes		11,027,584	18,555,166	24,820,511	26,998,120	15,497,221	9,390,960	106,289,562
Total Forecasted Collections		6,144,588	9,109,559	7,872,007	7,030,589	8,415,467	5,228,301	\$ 43,800,511
<b>With Rate Adjustment</b>	<b>Beginning Under/(Over)</b>	<b>Nov-20 (Actual)</b>	<b>Dec-20 (Actual)</b>	<b>Jan-21 (Actual)</b>	<b>Feb-21 (Actual)</b>	<b>Mar-21 (Estimate)</b>	<b>Apr-21 (Estimate)</b>	<b>Total Peak</b>
Total Gas Costs		\$ 3,680,494	\$ 6,977,444	\$ 9,926,014	\$ 9,002,401	\$ 6,715,817	\$ 3,645,171	\$ 39,947,341
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		71,120	71,120	71,120	71,120	73,506	73,506	431,491
Transportation Revenue		-	-	-	-	(228)	(179)	(407)
Broker Revenue		-	-	-	-	(6,444)	(5,230)	(11,674)
Off System and Capacity Release		-	-	-	-	(295,747)	(280,518)	(576,265)
Fixed Price Option Admin.		-	-	-	-	7,500	7,500	15,000
Bad Debt Costs		36,230	25,245	24,994	14,299	78,761	44,634	224,162
Working Capital		4,683	10,762	14,595	14,502	8,535	4,633	57,709
Misc Overhead		-	-	-	-	1,541	934	2,475
Production & Storage		331,833	331,833	331,833	331,833	330,071	330,071	1,987,473
Total Indirect Costs		\$ 443,866	\$ 438,959	\$ 442,541	\$ 431,753	\$ 197,496	\$ 175,351	\$ 2,129,965
Forecasted firm therm sales 12/01/2021 - 4/30/2021		4,985	(52)	949	6,867	2,386	233	\$ 15,367
Total Gas Costs plus Indirect Costs	\$ 2,547,146	4,129,345	7,416,351	10,369,504	9,441,021	6,915,698	3,820,754	\$ 44,639,820
Total Forecasted Sales Volumes		11,027,584	18,555,166	24,820,511	26,998,120	15,497,221	9,390,960	106,289,562
Total Forecasted Collections		6,144,588	9,109,559	7,872,007	7,030,589	8,415,467	6,067,610	\$ 44,639,820