

**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

February 1, 2021

Under/(Over) Collection as of 12/31/2020		\$ (1,161,304)
Forecasted firm Residential therm sales 02/01/2021 - 4/30/2021	23,208,969	
Residential Cost of Gas Rate per therm	\$ (0.4664)	
Forecasted firm C&I High Winter Use therm sales 02/01/2021 - 4/30/2021	13,997,231	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4645)	
Forecasted firm C&I Low Winter therm sales 02/01/2021 - 4/30/2021	2,979,021	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4753)	
Forecasted firm GAP-R4 Winter therm sales 02/01/2021 - 4/30/2021	1,669,164	
GAP R-4 Cost of Gas Rate per therm	\$ (0.2565)	
Forecasted firm Residential therm sales 01/2021	11,342,925	
Residential Cost of Gas Rate per therm	\$ (0.4664)	
Forecasted firm C&I High Winter Use therm sales 01/2021	7,445,068	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4645)	
Forecasted firm C&I Low Winter Use therm sales 01/2021	1,248,241	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.4753)	
Forecasted firm GAP-R4 Winter therm sales 01/2021	830,551	
GAP R-4 Cost of Gas Rate per therm	\$ (0.2565)	
Forecast recovered costs at current rate 01/01/2021 - 04/30/2021		(28,725,346)
Estimated FPO Premium 01/01/2021 - 04/30/2021		(2,475,351)
Revised projected gas costs 01/01/2021 - 04/30/2021		30,724,999
Estimated interest charged (credited) to customers 01/01/2021 - 04/30/2021		13,335
Projected under / (over) collection as of 04/30/2021 (A)		\$ (1,623,666)

Actual Gas Costs through 12/31/2020	\$ 11,540,763
Revised projected gas costs 01/01/2021 - 04/30/2021	\$ 30,724,999
Estimated total adjusted gas costs 01/01/2021 - 04/30/2021 (B)	\$ 42,265,763

Under/ (over) collection as percent of total gas costs (A/B)	-3.84%
--	--------

Projected under / (over) collections as of 12/31/2020 (A)	\$ (1,623,666)
Forecasted firm therm sales 01/01/2021 - 04/30/2021	41,854,386
Change in rate used to reduce forecast under/(over) collection	\$ (0.0388)
Current Cost of Gas Rate	\$ 0.4664
Revised Cost of Gas Rate	\$ 0.4276
Cap - Residential Cost of Gas Rate	\$ 0.6964

Revised as follows:

The revised projected gas costs include the February 2021 - April 2021  
NYMEX settled strip prices as of January 20, 2021.

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

Without Rate Adjustment	Beginning Under/(Over)	Nov-20 (Actual)	Dec-20 (Actual)	Jan-21 (Estimate)	Feb-21 (Estimate)	Mar-21 (Estimate)	Apr-21 (Estimate)	Total Peak
Total Gas Costs	2,901,812.6	\$ 3,680,494	\$ 6,977,444	\$ 10,121,923	\$ 7,726,578	\$ 6,536,273	\$ 5,504,224	\$ 40,546,936
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	73,506	73,506	73,506.1	73,506.1	436,264
Fore Transportation Revenue		-	-	(172)	(150)	(139)	(109)	(570)
Broker Revenue		-	-	(7,087)	(6,839)	(6,444)	(5,230)	(25,600)
Fore Off System and Capacity Release		-	-	(281,623)	(296,415)	(295,747)	(280,518)	(1,154,303)
Fixed Price Option Admin.		-	-	7,500	7,500	7,500	7,500	30,000
Bad Debt Costs	(280,722)	36,230	25,245	116,617	89,995	76,766	45,846	390,698
Working Capital	(73,944)	4,683	10,762	12,864	9,820	8,307	4,771	51,206
Misc Overhead		-	-	2,389	1,942	1,774	1,075	7,181
Production & Storage		331,833	331,833	330,071	330,071	330,071	330,071	1,983,951
Total Indirect Costs		\$ 443,866	\$ 438,959	\$ 254,065	\$ 209,429	\$ 195,595	\$ 176,913	\$ 1,718,827
Interest		4,985	(52)	7,387	5,136	1,518	(705)	\$ 18,268
Total Gas Costs plus Indirect Costs	\$ 2,547,146	4,129,345	7,416,351	10,383,375	7,941,143	6,733,385	5,680,432	\$ 44,831,177
Total Forecasted Sales Volumes		11,027,584	18,555,166	20,866,784	16,966,205	15,497,221	9,390,960	92,303,920
Total Forecasted Collections		6,144,588	9,109,559	10,260,657	8,498,241	7,667,077	4,774,721	\$ 46,454,843
			1,693,208					
With Rate Adjustment	Beginning Under/(Over)	Nov-20 (Actual)	Dec-20 (Actual)	Jan-21 (Estimate)	Feb-21 (Estimate)	Mar-21 (Estimate)	Apr-21 (Estimate)	Total Peak
Total Gas Costs		\$ 3,680,494	\$ 6,977,444	\$ 10,121,923	\$ 7,726,578	\$ 6,536,273	\$ 5,504,224	\$ 40,546,936
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		71,120	71,120	73,506	73,506	73,506	73,506	436,264
Transportation Revenue		-	-	(172)	(150)	(139)	(109)	(570)
Broker Revenue		-	-	(7,087)	(6,839)	(6,444)	(5,230)	(25,600)
Off System and Capacity Release		-	-	(281,623)	(296,415)	(295,747)	(280,518)	(1,154,303)
Fixed Price Option Admin.		-	-	7,500	7,500	7,500	7,500	30,000
Bad Debt Costs		36,230	25,245	116,617	89,995	76,766	45,846	390,698
Working Capital		4,683	10,762	12,864	9,820	8,307	4,771	51,206
Misc Overhead		-	-	2,389	1,942	1,774	1,075	7,181
Production & Storage		331,833	331,833	330,071	330,071	330,071	330,071	1,983,951
Total Indirect Costs		\$ 443,866	\$ 438,959	\$ 254,065	\$ 209,429	\$ 195,595	\$ 176,913	\$ 1,718,827
Forecasted firm therm sales 12/01/2021 - 4/30/2021		4,985	(52)	7,387	5,136	1,518	(705)	\$ 18,268
Total Gas Costs plus Indirect Costs	\$ 2,547,146	4,129,345	7,416,351	10,383,375	7,941,143	6,733,385	5,680,432	\$ 44,831,177
Total Forecasted Sales Volumes		11,027,584	18,555,166	20,866,784	16,966,205	15,497,221	9,390,960	92,303,920
Total Forecasted Collections		6,144,588	7,099,990	10,047,621	7,698,496	6,927,157	4,327,059	\$ 42,244,911