

**ENERGYNORTH NATURAL GAS, INC.**

Calculation of the Projected Over or Under Collection of the  
2016 - 2017 Winter Cost of Gas Filing  
DG 16-814

December 1, 2016

Under/(Over) Collection as of 11/1/16		\$ 4,720,499
Forecasted firm Residential therm sales 12/1/16 - 4/30/17	48,592,427	
Residential Cost of Gas Rate per therm	\$ (0.7162)	
Forecasted firm C&I High Winter Use therm sales 12/1/16 - 4/30/17	26,659,216	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.7121)	
Forecasted firm C&I Low Winter therm sales 12/1/16 - 4/30/17	7,569,242	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.7305)	
Forecasted firm Residential therm sales 11/16	4,321,365	
Residential Cost of Gas Rate per therm	\$ (0.7162)	
Forecasted firm C&I High Winter Use therm sales 11/16	2,633,303	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.7121)	
Forecasted firm C&I Low Winter Use therm sales 11/16	760,471	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.7305)	
Forecast recovered costs at current rate 11/1/16 - 4/30/17		(64,840,916)
Estimated FPO Premium 11/1/16 - 4/30/17		(57,358)
Revised projected gas costs 11/1/16 - 4/30/17		54,134,986
Estimated interest charged (credited) to customers 11/1/16 - 4/30/17		56,148
Projected under / (over) collection as of 4/30/17 (A)		\$ (5,986,641)

Actual Gas Costs through 12/1/16	\$ -
Revised projected gas costs 11/1/16 - 4/30/17	\$ 54,134,986
Estimated total adjusted gas costs 11/1/16 - 4/30/17 (B)	\$ 54,191,134

Under/ (over) collection as percent of total gas costs (A/B)	-11.05%
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Projected under / (over) collections as of 11/30/16 (A)	\$ (5,986,641)
Forecasted firm therm sales 12/1/16 - 4/30/17	82,820,885
Change in rate used to reduce forecast under/(over) collection	\$ (0.0723)
Current Cost of Gas Rate	\$ 0.7162
Revised Cost of Gas Rate	\$ 0.6439
Cap - Residential Cost of Gas Rate	\$ 0.8953

Revised as follows:

The revised projected gas costs include the November 2016 - April 2017 NYMEX settled strip prices as of November 15, 2016.

Compliance rates per New Hampshire Public Utilities Commission Order Number 25,958 dated October 26, 2016 in Docket DG 16-814: The Company may adjust the approved residential cost of gas rate of \$0.7162 per therm upwards by no more than 25% or \$0.1791 per therm. The adjusted residential cost of gas rate shall not be more than \$0.8953 per therm.

**ENERGYNORTH NATURAL GAS, INC.**  
Projected Over or Under Collection

<b>Without Rate Adjustment</b>	Beginning Under/(Over)	Nov-16 (Estimate)	Dec-16 (Estimate)	Jan-17 (Estimate)	Feb-17 (Estimate)	Mar-17 (Estimate)	Apr-17 (Estimate)	Total Peak
<b>Total Gas Costs</b>		\$ 5,526,949	\$ 8,872,346	\$ 12,158,633	\$ 13,773,027	\$ 8,330,794	\$ 3,751,292	\$ 52,413,040
<b>Adjustments and Indirect Costs</b>								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		(984)	(1,252)	(1,567)	(1,643)	(1,467)	(1,233)	(8,146)
Broker Revenue		2,313	(199,232)	(241,474)	(51,254)	(341,913)	(159,491)	(991,052)
Off System and Capacity Release		(296,547)	(314,116)	(314,419)	(313,014)	(308,977)	(302,106)	(1,849,179)
Fixed Price Option Admin.		-	41,972	-	-	-	-	41,972
Bad Debt Costs		43,539	396,252	567,600	603,606	514,633	361,125	2,486,755
Working Capital		886	8,059	11,544	12,277	10,467	7,345	50,578
Misc Overhead		902	1,571	2,250	2,393	2,040	1,432	10,589
Production & Storage		330,071	330,071	330,071	330,071	330,071	330,071	1,980,428
<b>Total Indirect Costs</b>		\$ 80,180	\$ 263,325	\$ 354,006	\$ 582,435	\$ 204,855	\$ 237,143	\$ 1,721,946
Interest		\$ 17,059	\$ 15,544	\$ 28,678	\$ (469)	\$ (95)	\$ (4,569)	\$ 56,148
<b>Total Gas Costs plus Indirect Costs</b>	\$ 4,720,499	\$ 5,619,355	\$ 9,142,243	\$ 12,530,279	\$ 14,341,718	\$ 8,523,307	\$ 3,976,875	\$ 58,854,276
Total Forecasted Sales Volumes		7,715,139	13,432,266	19,240,676	20,461,218	17,445,182	12,241,542	90,536,024
Total Forecasted Collections		\$ 5,525,661	\$ 9,616,771	\$ 13,782,038	\$ 14,651,593	\$ 12,493,985	\$ 8,770,868	\$ 64,840,916
<b>With Rate Adjustment</b>	Beginning Under/(Over)	Nov-16 (Estimate)	Dec-16 (Estimate)	Jan-17 (Estimate)	Feb-17 (Estimate)	Mar-17 (Estimate)	Apr-17 (Estimate)	Total Peak
<b>Total Gas Costs</b>		\$ 5,526,949	\$ 8,872,346	\$ 12,158,633	\$ 13,773,027	\$ 8,330,794	\$ 3,751,292	\$ 52,413,040
<b>Adjustments and Indirect Costs</b>								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		(984)	(1,252)	(1,567)	(1,643)	(1,467)	(1,233)	(8,146)
Broker Revenue		2,313	(199,232)	(241,474)	(51,254)	(341,913)	(159,491)	(991,052)
Off System and Capacity Release		(296,547)	(314,116)	(314,419)	(313,014)	(308,977)	(302,106)	(1,849,179)
Fixed Price Option Admin.		-	41,972	-	-	-	-	41,972
Bad Debt Costs		43,539	396,252	567,600	603,606	514,633	361,125	2,486,755
Working Capital		886	8,059	11,544	12,277	10,467	7,345	50,578
Misc Overhead		902	1,571	2,250	2,393	2,040	1,432	10,589
Production & Storage		330,071	330,071	330,071	330,071	330,071	330,071	1,980,428
<b>Total Indirect Costs</b>		\$ 80,180	\$ 263,325	\$ 354,006	\$ 582,435	\$ 204,855	\$ 237,143	\$ 1,721,946
Interest		\$ 17,059	\$ 15,544	\$ 28,678	\$ (469)	\$ (95)	\$ (5,879)	\$ 54,838
<b>Total Gas Costs plus Indirect Costs</b>	\$ 4,720,499	\$ 5,619,355	\$ 9,142,243	\$ 12,530,279	\$ 14,341,718	\$ 8,523,307	\$ 3,975,565	\$ 58,852,966
Total Forecasted Sales Volumes		7,715,139	13,432,266	19,240,676	20,461,218	17,445,182	12,241,542	90,536,024
Total Forecasted Collections		\$ 5,525,661	\$ 8,645,618	\$ 12,390,937	\$ 13,172,247	\$ 11,232,699	\$ 7,885,805	\$ 58,852,966