ENERGYNORTH NATURAL GAS, INC.

Calculation of the Projected Over or Under Collection of the 2016 Summer Cost of Gas Filing DG 16-315

June 1, 2016

Residential Cost of Gas Rate per therm \$.0.4117 223,314 223,3	Under/(Over) Collection as of 05/1/16			\$	1,212,914
Residential Cost of Gas Rate per therm \$.0.4117 Forecasted firm C&I High Winter Use therm sales 6/1/16 - 10/31/16 3.530.83.52 C&I- High Winter Use Cost of Gas Rate per therm \$.0.9976 Forecasted lirm C&I Low Winter therm sales 05/1/6 - 10/31/16 2,100.441.18 C&I- Low Winter Use Cost of Gas Rate per therm \$.0.4117 Forecasted firm Residential therm sales 05/16 475,537 Residential Cost of Gas Rate per therm \$.0.4117 Forecasted firm C&I High Winter Use Cost of Gas Rate per therm \$.0.3976 Forecasted firm C&I High Winter Use therm sales 05/16 223,314 C&I- Low Winter Use Cost of Gas Rate per therm \$.0.3976 Forecasted firm C&I Low Winter Use therm sales 05/16 20,3076 C&I- Low Winter Use Cost of Gas Rate per therm \$.0.4415 Forecast recovered costs at current rate 05/1/16 - 10/31/16 \$.0.4415 Forecast recovered costs at current rate 05/1/16 - 10/31/16 \$.7.541,734 Estimated interest charged (credited) to customers 05/1/16-10/31/16 \$.7.541,734 Estimated of Index of Covery collection as of 10/31/16 (A) \$.7.541,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) colle					, ,-
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C&I- Low Winter Use Cost of Gas Rate per therm \$ (0.4415)	, ,	<u>\$</u>			
Forecasted firm Residential therm sales 05/16 Residential Cost of Gas Rate per therm \$ (0.4117) Forecasted firm C&I High Winter Use therm sales 05/16 C&I- High Winter Use cost of Gas Rate per therm \$ (0.3976) Forecasted firm C&I Low Winter Use therm sales 05/16 C&I- Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use therm sales 05/16 C&I- Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use Cost of Gas Rate per therm Forecasted firm C&I Low Winter Use Cost of Gas Rate Forecasted firm C&I Low Winter Use Cost of Gas Rate Forecasted firm C&I Low Winter Use Cost of Gas Rate ### CASH		¢.			
Residential Cost of Gas Rate per therm \$.0.4117 223,314 223,3	Cal- Low Winter Ose Cost of Gas Rate per therm	<u>\$</u>	(0.4415)		
Forecasted firm C&I High Winter Use therm sales 05/16 C&I High Winter Use Cost of Gas Rate per therm \$ (0.3976) 56,603 65,603 65,603 C&I - Cost of Gas Rate per therm \$ (0.3976) 56,603 C&I - Cost of Gas Rate per therm \$ (0.4415) (0.3976) 56,603 C&I - Cost of Gas Rate per therm \$ (0.4415) (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.4415) (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.4415) (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate Per therm \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I - Cost of Gas Rate \$ (0.242,144) 56,603 C&I -	Forecasted firm Residential therm sales 05/16		475,537		
C&I- High Winter Use Cost of Gas Rate per therm \$ (0.3976) 56,603 56,014 56,014 56,017 56,017 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 56,019 57,574,249 56,019 57,574,249 56,019 57,574,249 56,019 57,574,249 56,019 57,574,249 57,574,249 57,574,249 57,574,249 57,574,249 57,574,249 57,574,249 57,574,249 57,574,249	Residential Cost of Gas Rate per therm	\$	(0.4117)		
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C&I- Low Winter Use Cost of Gas Rate per therm Forecast recovered costs at current rate 05/1/16 - 10/31/16 \$ (0.4415) (8.242.144) Forecast recovered costs at current rate 05/1/16 - 10/31/16 \$ 7,541,734 Revised projected gas costs 05/1/16 - 10/31/16 (A) \$ 32,515 Projected under / (over) collection as of 10/31/16 (A) \$ 545,019 Actual Gas Costs through 06/1/15 \$ 7,541,734 Revised projected gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7,20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	C&I- High Winter Use Cost of Gas Rate per therm	\$	(0.3976)		
Forecast recovered costs at current rate 05/1/16 - 10/31/16 (8,242,144) Revised projected gas costs 05/1/16 - 10/31/16 \$ 7,541,734 Estimated interest charged (credited) to customers 05/1/16-10/31/16 32,515 Projected under / (over) collection as of 10/31/16 (A) \$ 545,019 Actual Gas Costs through 06/1/15 \$ - Revised projected gas costs 05/1/16 - 10/31/16 (B) \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 (B) \$ 7,574,249 Change in rate used to reduce forecast under/(over) collection \$ 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4410	Forecasted firm C&I Low Winter Use therm sales 05/16		56,603		
Forecast recovered costs at current rate 05/1/16 - 10/31/16 (8,242,144) Revised projected gas costs 05/1/16 - 10/31/16 \$ 7,541,734 Estimated interest charged (credited) to customers 05/1/16-10/31/16 32,515 Projected under / (over) collection as of 10/31/16 (A) \$ 545,019 Actual Gas Costs through 06/1/15 \$ - Revised projected gas costs 05/1/16 - 10/31/16 (B) \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 (B) \$ 7,574,249 Change in rate used to reduce forecast under/(over) collection \$ 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4410	C&I- Low Winter Use Cost of Gas Rate per therm	\$	(0.4415)		
Estimated interest charged (credited) to customers 05/1/16-10/31/16 32,515 Projected under / (over) collection as of 10/31/16 (A) \$ 545,019 Actual Gas Costs through 06/1/15 \$ - Revised projected gas costs 05/1/16 - 10/31/16 (B) \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Forecast recovered costs at current rate 05/1/16 - 10/31/16	<u>-</u>	\- <u></u>		(8,242,144)
Estimated interest charged (credited) to customers 05/1/16-10/31/16	Revised projected gas costs 05/1/16 - 10/31/16			\$	7.541.734
Projected under / (over) collection as of 10/31/16 (A) Actual Gas Costs through 06/1/15 Revised projected gas costs 05/1/16 - 10/31/16 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) Under/ (over) collection as percent of total gas costs (A/B) Projected under / (over) collections as of 10/31/16 (A) Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400				•	,- , -
Actual Gas Costs through 06/1/15 \$ - Revised projected gas costs 05/1/16 - 10/31/16 \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Estimated interest charged (credited) to customers 05/1/16-10/31/16				32,515
Revised projected gas costs 05/1/16 - 10/31/16 \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Projected under / (over) collection as of 10/31/16 (A)			\$	545,019
Revised projected gas costs 05/1/16 - 10/31/16 \$ 7,541,734 Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) \$ 7,574,249 Under/ (over) collection as percent of total gas costs (A/B) 7.20% Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400					
Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) Under/ (over) collection as percent of total gas costs (A/B) Projected under / (over) collections as of 10/31/16 (A) Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Actual Gas Costs through 06/1/15	\$	-		
Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B) Under/ (over) collection as percent of total gas costs (A/B) Projected under / (over) collections as of 10/31/16 (A) Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Revised projected gas costs 05/1/16 - 10/31/16	\$	7.541.734		
Under/ (over) collection as percent of total gas costs (A/B) Projected under / (over) collections as of 10/31/16 (A) Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	The first projection gate cools on the control of the cools of the coo	<u>* </u>	.,,		
Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Estimated total adjusted gas costs 05/1/16 - 10/31/16 (B)			\$	7,574,249
Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400					
Projected under / (over) collections as of 10/31/16 (A) \$ 545,019 Forecasted firm therm sales 6/1/16 - 10/31/16 19,236,768 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Under/ (over) collection as percent of total gas costs (A/B)				7.20%
Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Sincer, (crear) concenter as personn or total gas costs (++2)				0,0
Forecasted firm therm sales 6/1/16 - 10/31/16 Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400					
Change in rate used to reduce forecast under/(over) collection \$ 0.0283 Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Projected under / (over) collections as of 10/31/16 (A)			\$	545,019
Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400	Forecasted firm therm sales 6/1/16 - 10/31/16				19,236,768
Current Cost of Gas Rate \$ 0.4117 Revised Cost of Gas Rate \$ 0.4400					
Revised Cost of Gas Rate \$ 0.4400	Change in rate used to reduce forecast under/(over) collection			\$	0.0283
Revised Cost of Gas Rate \$ 0.4400	Current Cost of Gas Rate			\$	0.4117
* *****	Revised Cost of Gas Rate				-
	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 May 20, 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.

ENERGYNORTH NATURAL GAS, INC. Projected Over or Under Collection

Without Rate Adjustment		Beginning nder/(Over)		May-15 (Estimate)		Jun-15 (Estimate)	(Jul-15 (Estimate)	(Aug-15 (Estimate)		Sep-15 (Estimate)		Oct-15 (Estimate)	Т	otal Off-Peal
Total Demand			\$	763,567	\$	767,867	\$	767,867	\$	767,867	\$	767,867	\$	767,867	\$	4,602,9
Total Commodity			\$	530,578	\$	269,832	\$	166,030	\$	161,684	\$	308,415	\$	1,223,658	\$	2,660,1
Hedge Savings			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Gas Costs			\$	1,294,145	\$	1,037,699	\$	933,897	\$	929,551	\$	1,076,282	\$	1,991,525	\$	7,263,1
Adjustments and Indirect Costs Refunds & Adjustments			\$		\$		\$		\$		\$		\$		\$	
It Margin			Φ	-	Ф	-	Φ	-	Φ	-	Φ	-	Φ	-	Φ	
Inventory Financing				_		_		_				_		_		
Transportation Revenue				-		_		-		-		_		-		
Broker Revenue				_		_		_		_		_		_		
Off System and Capacity Release				-		-		-		-		_		-		
Fixed Price Option Admin.				-		-		-		-		_		-		
Bad Debt Costs				42,057		42,057		42,057		42,057		42,057		42,057		252,3
Working Capital			l	3,939		3,939		3,939		3,939		3,939		3,939		23,6
Misc Overhead	1		1	444		444		444		444		444		444		2,6
Production & Storage				-		-		-		-		-		-		-
Total Indirect Costs			\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	278,6
Interest			\$	1,229	\$	6,202	\$	3,783	\$	3,145	\$	3,368	\$	14,790	\$	32,5
Total Gas Costs plus Indirect Costs	\$	1,212,914	\$	1,341,812	\$	1,090,340	\$	984,119	\$	979,135	\$	1,126,089	\$	2,052,754	\$	8,787,1
Total Forecasted Sales Volumes				755,453		3,813,065		2,325,862		1,933,495		2,070,649		9.093.696		19,992,2
Total Forecasted Collections	\$	-	\$	309,558	\$	1,570,332	\$	962,087	\$	801,403	\$	858,026	\$	-,	\$	8,242,1
With Rate Adjustment	١,	Paginning		May-15		Jun-15		Jul-15		Aug 15		Sep-15		Oct-15		
		Beginning nder/(Over)		(Estimate)	((Estimate)	((Estimate)	(Aug-15 (Estimate)		(Estimate)		(Estimate)	Т	otal Off-Pea
Total Demand			\$	763,567	\$	767,867	\$	767,867	\$	767,867	\$	767,867	\$	767,867	\$	4,602,9
Total Commodity			\$	530,578	\$	269,832	\$	166,030	\$	161,684	\$	308,415	\$	1,223,658	\$	2,660,1
Hedge Savings			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Gas Costs			\$	1,294,145	\$	1,037,699	\$	933,897	\$	929,551	\$	1,076,282	\$	1,991,525	\$	7,263,1
Adjustments and Indirect Costs																
Prior Period Adjustment			\$	-	\$	-	\$	-	\$	-	\$	-	\$	-		
It Margin				-		-		-		-		-		-		
Inventory Financing				-		-		-		-		-		-		
Transportation Revenue				-		-		-		-		-		-		
Broker Revenue Off System and Capacity Release				-		-		-		-		-		-		
Fixed Price Option Admin.				-		-		-		-		-		-		
Bad Debt Costs				42.057		42.057		42.057		42.057		42.057		42.057		252.3
Working Capital				3,939		3,939		3,939		3,939		3,939		3,939		232,
Misc Overhead				444		444		444		444		444		444		23,0
'Production & Storage						-				-		-		-		2,0
Total Indirect Costs			\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	46,439	\$	278,6
Interest			\$	1,229	\$	6,202	\$	3,783	\$	3,145	\$	3,368	\$	14,171	\$	31,8
Total Gas Costs plus Indirect Costs	\$	1,212,914	\$	1,341,812	\$	1,090,340	\$	984,119		979,135	\$	1,126,089	\$	2,052,135	\$	8,786,5
Total Gas Costs plus munect Costs																
Total Forecasted Sales Volumes				755,453		3,813,065		2,325,862		1,933,495		2,070,649		9,093,696		19,992,2