



Catherine A. McNamara  
Analyst II, Rates & Regulatory Affairs  
O: 603-216-3537  
E: [Catherine.McNamara@libertyutilities.com](mailto:Catherine.McNamara@libertyutilities.com)

August 16, 2018

**Via ERF and US Mail**

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 S. Fruit Street, Suite 10  
Concord, NH 03301-2429

**RE: DG 17-135 Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities  
2018 Summer Period Cost of Gas July 2018 Monthly COG Adjustment – Revised**

Dear Ms. Howland:

On behalf of Liberty Utilities (EnergyNorth Natural Gas) Corp. and in accordance with New Hampshire Public Utilities Commission Order No. 26,066 (October 31, 2017) in Docket DG 17-135, I enclose for filing the current (July) calculations of the projected over or under collection of gas costs for the 2018 Summer season ending October 31, 2018. As requested by the PUC staff on July 20, 2018, we are filing a revised Cost of Gas for EnergyNorth Natural Gas separate from the Keene Division.

The calculations reflect the NYMEX closing prices as of June 14, 2018. The resulting ENNG projected over collection, excluding Keene, of \$769,935 is approximately 12% of the total revised anticipated gas costs for the 2018 summer season.

Liberty elects to implement the ENNG COG decrease (excluding Keene) of \$0.0789 per therm. for the July 1st billing cycle.

The current and revised cost of gas rates are summarized in the following table.

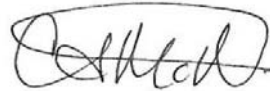
	<u>ENNG Excluding Keene Cost of Gas Rate</u>		
	<u>Current</u>	<u>Revised</u>	<u>Change</u>
	<u>Rate</u>	<u>Rate</u>	
Residential	\$0.3916	\$0.3127	(\$0.0789)
Commercial/Industrial High Winter Use	\$0.3855	\$0.3066	(\$0.0789)
Commercial/Industrial Low Winter Use	\$0.4124	\$0.3335	(\$0.0789)

Please note this report has been filed via the Commission's Electronic Report Filing system.

Debra A. Howland  
DG 17-135  
Page 2

Thank you for your attention to this matter. Please do not hesitate to call if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "C. McNamara", enclosed within a hand-drawn oval border.

Catherine A. McNamara

Enclosures

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities**

Calculation of the Projected Over or Under Collection of the  
2018 Summer COG  
DG 17-048

July 1, 2018

Estimated Under/(Over) Collection as of 06/1/18		\$ (130,619)
Forecasted firm Residential therm sales 6/1/18 - 10/31/18	8,746,012	
Residential Cost of Gas Rate per therm	\$ (0.3916)	
Forecasted firm C&I High Winter Use therm sales 6/1/18 - 10/31/18	1,092,247	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.4124)	
Forecasted firm C&I Low Winter therm sales 6/1/18 - 10/31/18	3,178,315	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.3855)	
Forecast recovered costs at current rate 06/1/18 - 10/31/18		(5,100,621)
Revised projected gas costs 06/1/18 - 10/31/18		\$ 4,476,144
Estimated interest charged (credited) to customers 06/1/18-10/31/18		(14,839)
Projected under / (over) collection as of 10/31/18 (A)		\$ (769,935)

Actual Gas Costs through 06/1/18	\$ 1,783,146
Revised projected gas costs 07/1/18 - 10/31/18	\$ 4,461,305
Estimated total adjusted gas costs 06/1/18 - 10/31/18 (B)	\$ 6,229,613

Under/ (over) collection as percent of total gas costs (A/B)	-12.36%
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Projected under / (over) collections as of 10/31/16 (A)	\$ (769,935)
Forecasted firm therm sales 07/01/18 - 10/31/18	9,763,108
Change in rate used to reduce forecast under/(over) collection	\$ (0.0789)
Current Cost of Gas Rate	\$ 0.3916
Revised Cost of Gas Rate	\$ 0.3127
Cap - Residential Cost of Gas Rate	\$ 0.3916

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

<b>Without Rate Adjustment</b>	Beginning Under/(Over)	May-18 (Actual)	Jun-18 (Estimate)	Jul-18 (Estimate)	Aug-18 (Estimate)	Sep-18 (Estimate)	Oct-18 (Estimate)	Total Peak
<b>Total Gas Costs</b>		\$ 1,790,052	\$ 1,304,403	\$ 868,674	\$ 834,011	\$ 833,684	\$ 1,616,224	\$ 7,247,047
<b>Adjustments and Indirect Costs</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Refunds & Adjustments		-	-	-	-	-	-	-
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	(19,142)	(22,942)	(25,112)	(23,668)	(20,465)	(111,329)
Broker Revenue		-	(145,291)	(57,798)	(260,455)	(87,418)	(56,671)	(607,634)
Off System and Capacity Release		-	(10,385)	(9,523)	(8,400)	(14,105)	(12,378)	(54,791)
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(5,724)	(50,792)	(28,993)	(25,219)	(33,995)	(62,951)	(207,674)
Working Capital		1,132	(3,175)	(1,812)	(1,576)	(2,125)	(3,934)	(11,490)
Misc Overhead		-	1,362	791	693	922	1,680	5,448
Production & Storage		405	405	405	405	405	405	2,433
<b>Total Indirect Costs</b>		\$ (4,186)	\$ (227,018)	\$ (119,872)	\$ (319,664)	\$ (159,983)	\$ (154,314)	\$ (985,037)
Interest		(2,719)	(3,339)	(3,161)	(2,534)	(2,338)	(3,467)	(17,558)
<b>Total Gas Costs plus Indirect Costs</b>	\$ (1,020,256)	1,783,146	1,074,045	745,642	511,813	671,363	1,458,442	\$ 5,224,195
Total Forecasted Sales Volumes		12,635,276	3,253,466	1,890,979	1,655,112	2,203,627	4,013,391	25,651,850
Total Forecasted Collections		893,509	1,272,699	740,793	649,632	865,336	1,572,162	\$ 5,994,130
<b>With Rate Adjustment</b>	Beginning Under/(Over)	May-18 (Actual)	Jun-18 (Estimate)	Jul-18 (Estimate)	Aug-18 (Estimate)	Sep-18 (Estimate)	Oct-18 (Estimate)	Total Peak
<b>Total Gas Costs</b>		\$ 1,790,052	\$ 1,304,403	\$ 868,674	\$ 834,011	\$ 833,684	\$ 1,616,224	\$ 7,247,047
<b>Adjustments and Indirect Costs</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Refunds & Adjustments		-	-	-	-	-	-	-
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	(19,142)	(22,942)	(25,112)	(23,668)	(20,465)	(111,329)
Broker Revenue		-	(145,291)	(57,798)	(260,455)	(87,418)	(56,671)	(607,634)
Off System and Capacity Release		-	(10,385)	(9,523)	(8,400)	(14,105)	(12,378)	(54,791)
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(5,724)	(50,792)	(28,993)	(25,219)	(33,995)	(62,951)	(207,674)
Working Capital		1,132	(3,175)	(1,812)	(1,576)	(2,125)	(3,934)	(11,490)
Misc Overhead		-	1,362	791	693	922	1,680	5,448
Production & Storage		405	405	405	405	405	405	2,433
<b>Total Indirect Costs</b>		\$ (4,186)	\$ (227,018)	\$ (119,872)	\$ (319,664)	\$ (159,983)	\$ (154,314)	\$ (985,037)
Interest		(2,719)	(3,339)	(3,161)	(2,534)	(2,338)	(3,841)	(17,932)
<b>Total Gas Costs plus Indirect Costs</b>	\$ (1,020,256)	1,783,146	1,074,045	745,642	511,813	671,363	1,458,068	\$ 5,223,821
Total Forecasted Sales Volumes		12,635,276	3,253,466	1,890,979	1,655,112	2,203,627	4,013,391	25,651,850
Total Forecasted Collections		893,509	1,272,699	591,594	519,044	691,470	1,255,505	\$ 5,223,821

**Liberty Utilities (EnergyNorth Natural Gas) Corp.  
Off Peak 2018 Summer Cost of Gas Filing**

**Filed Tariff Sheets**

Proposed Second Revised Page 1  
Check Sheet

Proposed Second Revised Page 3  
Check Sheet (Cont'd)

Proposed Second Revised Page 4  
Check Sheet (Cont'd)

Proposed Second Revised Page 84  
Firm Rate Schedules

Proposed Second Revised Page 86  
Firm Rate Schedules

Proposed Second Revised Page 89  
Calculation of Firm Sales Cost of Gas Rate

**CHECK SHEET**

The title page and pages 1-148 inclusive of this tariff are effective as of the date shown on the individual tariff pages.

<b><u>Page</u></b>	<b><u>Revision</u></b>
Title	Original
TOC i	Original
TOC ii	Original
TOC iii	Original
TOC iv	Original
1	Second Revised
2	Original
3	Second Revised
4	Second Revised
5	Original
6	Original
7	Original
8	Original
9	Original
10	Original
11	Original
12	Original
13	Original
14	Original
15	Original
16	Original
17	Original
18	Original
19	Original
20	Original
21	Original
22	Original
23	Original
24	Original

DATED: June 22, 2018

ISSUED BY: /s/Susan L. Fleck  
Susan L. Fleck

EFFECTIVE: July 01, 2018

TITLE: President

<u>Page</u>	<u>Revision</u>
56	Original
57	Original
58	Original
59	Original
60	Original
61	Original
62	Original
63	Original
64	Original
65	Original
66	Original
67	Original
68	Original
69	Original
70	Original
71	Original
72	Original
73	Original
74	Original
75	Original
76	Original
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79	Original
80	Original
81	Original
82	Original
83	Original
84	Second Revised
85	Second Revised
86	Second Revised

DATED: June 22, 2018

ISSUED BY: /s/Susan L. Fleck  
Susan L. Fleck

EFFECTIVE: July 01, 2018

TITLE: President

Authorized by NHPUC Order No. 26,066 dated October 31, 2018, in Docket No. DG 17-135 and Order No. 26,126 dated May 1, 2018 in Docket DG 18-052

<u>Page</u>	<u>Revision</u>
87	Original
88	Original
89	Second Revised
90	Second Revised
91	Original
92	Original
93	Original
94	Original
95	Original
96	Original
97	Original
98	Original
99	Original
100	Original
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102	Original
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116	Original
117	Original

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EFFECTIVE: July 01, 2018

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Authorized by NHPUC Order No. 26,066 dated October 31, 2018, in Docket No. DG 17-135 and Order No. 26,126 dated May 1, 2018 in Docket DG 18-052



**22 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS**

	Rates effective March 1, 2018 - April 30, 2018				Rates Effective July 1, 2018 - October 31, 2018			
	Winter Period				Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 92</u>	<u>LDAC Charge</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 89</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b><u>Residential Non Heating - R-1</u></b>								
Customer Charge per Month per Meter	\$16.88			\$16.88	\$ 14.88			\$14.88
All therms	\$0.2231	\$0.8056	\$0.0856	\$1.1143	\$0.3902	\$0.3127	\$0.0945	\$0.7974
<b><u>Residential Heating - R-3</u></b>								
Customer Charge per Month per Meter	\$24.43			\$24.43	\$ 14.88			\$14.88
Size of the first block	100 therms				all therms			
Therms in the first block per month at	\$0.3863	\$ 0.8056	\$ 0.0856	\$ 1.2775	\$ 0.5580	\$ 0.3127	\$ 0.0945	\$ 0.9652
All therms over the first block per month at	\$0.3197	\$ 0.8056	\$ 0.0856	\$ 1.2109				
<b><u>Residential Heating - R-4</u></b>								
Customer Charge per Month per Meter	\$9.77			\$9.77	\$ 5.95			\$5.95
Size of the first block	100 therms				all therms			
Therms in the first block per month at	\$0.1545	\$ 0.8056	\$ 0.0856	\$ 1.0457	\$ 0.2232	\$ 0.3127	\$ 0.0945	\$ 0.6304
All therms over the first block per month at	\$0.1278	\$ 0.8056	\$ 0.0856	\$ 1.0190				
<b><u>Commercial/Industrial - G-41</u></b>								
Customer Charge per Month per Meter	\$53.45			\$53.45	\$ 56.07			\$56.07
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$0.4383	\$ 0.8041	\$ 0.0674	\$ 1.3098	\$ 0.4597	\$ 0.3066	\$ 0.0763	\$ 0.8426
All therms over the first block per month at	\$0.2944	\$ 0.8041	\$ 0.0674	\$ 1.1659	\$ 0.3088	\$ 0.3066	\$ 0.0763	\$ 0.6917
<b><u>Commercial/Industrial - G-42</u></b>								
Customer Charge per Month per Meter	\$160.36			\$160.36	\$ 168.21			\$168.21
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$0.3986	\$ 0.8041	\$ 0.0674	\$ 1.2701	\$ 0.4181	\$ 0.3066	\$ 0.0763	\$ 0.8010
All therms over the first block per month at	\$0.2655	\$ 0.8041	\$ 0.0674	\$ 1.1370	\$ 0.2785	\$ 0.3066	\$ 0.0763	\$ 0.6614
<b><u>Commercial/Industrial - G-43</u></b>								
Customer Charge per Month per Meter	\$688.20			\$688.20	\$ 721.86			\$721.86
All therms over the first block per month at	\$0.2449	\$0.8041	\$0.0674	\$1.1164	\$0.1174	\$0.3066	\$0.0763	\$0.5003
<b><u>Commercial/Industrial - G-51</u></b>								
Customer Charge per Month per Meter	\$53.45			\$53.45	\$ 56.07			\$56.07
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$0.2642	\$ 0.8200	\$ 0.0674	\$ 1.1516	\$ 0.2771	\$ 0.3335	\$ 0.0763	\$ 0.6869
All therms over the first block per month at	\$0.1717	\$ 0.8200	\$ 0.0674	\$ 1.0591	\$ 0.1801	\$ 0.3335	\$ 0.0763	\$ 0.5899
<b><u>Commercial/Industrial - G-52</u></b>								
Customer Charge per Month per Meter	\$160.36			\$160.36	\$ 168.21			\$168.21
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$0.2268	\$ 0.8200	\$ 0.0674	\$ 1.1142	\$ 0.1724	\$ 0.3335	\$ 0.0763	\$ 0.5822
All therms over the first block per month at	\$0.1511	\$ 0.8200	\$ 0.0674	\$ 1.0385	\$ 0.0980	\$ 0.3335	\$ 0.0763	\$ 0.5078
<b><u>Commercial/Industrial - G-53</u></b>								
Customer Charge per Month per Meter	\$708.24			\$708.24	\$ 742.88			\$742.88
All therms over the first block per month at	\$0.1585	\$0.8200	\$0.0674	\$1.0459	\$0.0798	\$0.3335	\$0.0763	\$0.4896
<b><u>Commercial/Industrial - G-54</u></b>								
Customer Charge per Month per Meter	\$708.24			\$708.24	\$ 742.88			\$742.88
All therms over the first block per month at	\$0.0605	\$0.8200	\$0.0674	\$0.9479	\$0.0344	\$0.3335	\$0.0763	\$0.4442

DATED: June 22, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: July 01, 2018

Susan L. Fleck  
TITLE: President

**24 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS- MANAGED  
EXPANSION PROGRAM**

	Rates effective March 1, 2018 - April 30, 2018 Winter Period				Rates Effective July 1, 2018 - October 31, 2018 Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 92</u>	<u>LDAC Charge</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 89</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b><u>Residential Non Heating - R-5</u></b>								
Customer Charge per Month per Meter	\$21.94			\$21.94	\$19.34			\$19.34
All therms	\$0.2900	\$ 0.8056	\$ 0.0856	\$ 1.1812	\$0.5073	\$ 0.3127	\$ 0.0945	\$0.9145
<b><u>Residential Heating - R-6</u></b>								
Customer Charge per Month per Meter	\$31.76			\$31.76	\$19.34			\$19.34
All therms					\$ 0.7253	\$ 0.3127	\$ 0.0945	\$ 1.1325
Size of the first block	100 therms							
Therms in the first block per month at	\$0.5022	\$ 0.8056	\$ 0.0856	\$ 1.3934				
All therms over the first block per month at	\$0.4156	\$ 0.8056	\$ 0.0856	\$ 1.3068				
<b><u>Residential Heating - R-7</u></b>								
Customer Charge per Month per Meter	\$12.70			\$12.70	\$7.74			\$7.74
All therms					\$ 0.2901	\$ 0.3127	\$ 0.0945	\$0.6973
Size of the first block	100 therms							
Therms in the first block per month at	\$0.2009	\$ 0.8056	\$ 0.0856	\$ 1.0921				
All therms over the first block per month at	\$0.1661	\$ 0.8056	\$ 0.0856	\$ 1.0573				
<b><u>Commercial/Industrial - G-44</u></b>								
Customer Charge per Month per Meter	\$69.49			\$69.49	\$72.89			\$72.89
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$0.5698	\$ 0.8041	\$ 0.0674	\$ 1.4413	\$ 0.5976	\$ 0.3066	\$ 0.0763	\$0.9805
All therms over the first block per month at	\$0.3827	\$ 0.8041	\$ 0.0674	\$ 1.2542	\$ 0.4014	\$ 0.3066	\$ 0.0763	\$0.7843
<b><u>Commercial/Industrial - G-45</u></b>								
Customer Charge per Month per Meter	\$208.47			\$208.47	\$218.67			\$218.67
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$0.5182	\$ 0.8041	\$ 0.0674	\$ 1.3897	\$ 0.5435	\$ 0.3066	\$ 0.0763	\$0.9264
All therms over the first block per month at	\$0.3452	\$ 0.8041	\$ 0.0674	\$ 1.2167	\$ 0.3620	\$ 0.3066	\$ 0.0763	\$0.7449
<b><u>Commercial/Industrial - G-46</u></b>								
Customer Charge per Month per Meter	\$894.66			\$894.66	\$938.42			\$938.42
All therms over the first block per month at	\$0.3184	\$ 0.8041	\$ 0.0674	\$ 1.1899	\$0.1527	\$ 0.3066	\$ 0.0763	\$0.5356
<b><u>Commercial/Industrial - G-55</u></b>								
Customer Charge per Month per Meter	\$69.49			\$69.49	\$72.89			\$72.89
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$0.3434	\$ 0.8200	\$ 0.0674	\$ 1.2308	\$ 0.3602	\$ 0.3335	\$ 0.0763	\$0.7700
All therms over the first block per month at	\$0.2232	\$ 0.8200	\$ 0.0674	\$ 1.1106	\$ 0.2341	\$ 0.3335	\$ 0.0763	\$0.6439
<b><u>Commercial/Industrial - G-56</u></b>								
Customer Charge per Month per Meter	\$208.47			\$208.47	\$218.67			\$218.67
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$0.2949	\$ 0.8200	\$ 0.0674	\$ 1.1823	\$ 0.2241	\$ 0.3335	\$ 0.0763	\$0.6339
All therms over the first block per month at	\$0.1964	\$ 0.8200	\$ 0.0674	\$ 1.0838	\$ 0.1274	\$ 0.3335	\$ 0.0763	\$0.5372
<b><u>Commercial/Industrial - G-57</u></b>								
Customer Charge per Month per Meter	\$920.72			\$920.72	\$965.75			\$965.75
All therms over the first block per month at	\$0.2061	\$ 0.8200	\$ 0.0674	\$ 1.0935	\$0.1037	\$ 0.3335	\$ 0.0763	\$0.5135
<b><u>Commercial/Industrial - G-58</u></b>								
Customer Charge per Month per Meter	\$920.72			\$920.72	\$965.75			\$965.75
All therms over the first block per month at	\$0.0786	\$ 0.8200	\$ 0.0674	\$ 0.9660	\$0.0448	\$ 0.3335	\$ 0.0763	\$0.4546

DATED: June 22, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: July 01, 2018

Susan L. Fleck  
TITLE: President

**27 CALCULATION OF FIRM SALES SUMMER PERIOD COST OF GAS RATE  
EXCLUDING KEENE CUSTOMERS**

CALCULATION OF FIRM SALES COST OF GAS RATE  
PERIOD COVERED: SUMMER PERIOD, MAY 1, 2018 THROUGH OCTOBER 31, 2018  
(Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 5,899,258	
Projected Prorated Sales (05/01/18 - 10/31/18)	19,395,370	
<b>Direct Cost of Gas Rate</b>		\$ 0.3042 per therm
<b>Demand Cost of Gas Rate</b>	\$ 3,898,265	\$ 0.2010 per therm
<b>Commodity Cost of Gas Rate</b>	2,801,331	\$ 0.1444 per therm
<b>Adjustment Cost of Gas Rate</b>	(800,338)	\$ (0.0413) per therm
<b>Total Direct Cost of Gas Rate</b>	\$ 5,899,258	\$ 0.3042 per therm
Total Anticipated Indirect Cost of Gas	\$ 177,463	
Projected Prorated Sales (05/01/18 - 10/31/18)	19,395,370	
<b>Indirect Cost of Gas</b>		\$ 0.0091 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/18</b>		<b>\$ 0.3133 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE - 05/01/2018</b>	<b>COGsr</b>	<b>\$ 0.3133 /therm</b>
Change in rate due to change in under/over recovery		\$ 0.0783
<b>RESIDENTIAL COST OF GAS RATE - 06/01/2018</b>	<b>COGsr</b>	<b>\$ 0.3916 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.0789)
<b>RESIDENTIAL COST OF GAS RATE - 07/01/2018</b>	<b>COGsr</b>	<b>\$ 0.3127 /therm</b>

Maximum (COG + 25%) \$ 0.3916

<b>COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/2018</b>	<b>COGsl</b>	<b>\$ 0.3299 /therm</b>
Change in rate due to change in under/over recovery		\$ 0.0825
<b>COM/IND LOW WINTER USE COST OF GAS RATE - 06/01/2018</b>	<b>COGsl</b>	<b>\$ 0.4124 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.0789)
<b>COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/2018</b>	<b>COGsl</b>	<b>\$ 0.3335 /therm</b>

Average Demand Cost of Gas Rate Effective 05/01/18	\$ 0.2010		
Times: Low Winter Use Ratio (Summer)	1.0892	Maximum (COG + 25%)	\$ 0.4124
Times: Correction Factor	0.9942		
Adjusted Demand Cost of Gas Rate	\$ 0.2177		
Commodity Cost of Gas Rate	\$ 0.1444		
Adjustment Cost of Gas Rate	\$ (0.0413)		
Indirect Cost of Gas Rate	\$ 0.0091		
Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.3299		

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/2018</b>	<b>COGsh</b>	<b>\$ 0.3084 /therm</b>
Change in rate due to change in under/over recovery		\$ 0.0771
<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 06/01/2018</b>	<b>COGsh</b>	<b>\$ 0.3855 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.0789)
<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/2018</b>	<b>COGsl</b>	<b>\$ 0.3066 /therm</b>

Average Demand Cost of Gas Rate Effective 05/01/18	\$ 0.2010		
Times: High Winter Use Ratio (Summer)	0.9820	Maximum (COG + 25%)	\$ 0.3855
Times: Correction Factor	0.9942		
Adjusted Demand Cost of Gas Rate	\$ 0.1962		
Commodity Cost of Gas Rate	\$ 0.1444		
Adjustment Cost of Gas Rate	\$ (0.0413)		
Indirect Cost of Gas Rate	\$ 0.0091		
Adjusted Com/Ind High Winter Use Cost of Gas Rate	\$ 0.3084		

DATED: June 22, 2018

ISSUED BY: /s/Susan L. Fleck  
Susan L. Fleck

EFFECTIVE: July 01, 2018

TITLE: President