



Catherine A. McNamara
Analyst II, Rates & Regulatory Affairs
O: 603-216-3537
E: 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 – August 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 (August) 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 July 17, 2018. The resulting ENNG projected over collection, excluding Keene, of \$423,534 is approximately 6.65% of the total revised anticipated gas costs for the 2018 summer season.

Liberty elects to implement the ENNG COG increase (excluding Keene) of \$0.0538 per therm. for the August 1st billing cycle.

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

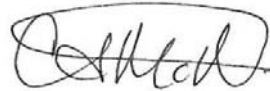
	<u>ENNG Excluding Keene Cost of Gas Rate</u>		
	<u>Current</u>	<u>Revised</u>	<u>Change</u>
	<u>Rate</u>	<u>Rate</u>	
Residential	\$0.3127	\$0.3665	\$0.0538
Commercial/Industrial High Winter Use	\$0.3066	\$0.3604	\$0.0538
Commercial/Industrial Low Winter Use	\$0.3335	\$0.3873	\$0.0538

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 17-135

August 1, 2018

Estimated Under/(Over) Collection as of 07/1/18		\$	240,397
Forecasted firm Residential therm sales 7/1/18 - 10/31/18	6,741,212		
Residential Cost of Gas Rate per therm	\$ (0.3127)		
Forecasted firm C&I High Winter Use therm sales 7/1/18 - 10/31/18	859,574		
C&I- High Winter Use Cost of Gas Rate per therm	\$ (0.3335)		
Forecasted firm C&I Low Winter therm sales 7/1/18 - 10/31/18	2,162,323		
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (0.3066)		
Forecast recovered costs at current rate 07/1/18 - 10/31/18			(3,057,613)
Revised projected gas costs 07/1/18 - 10/31/18		\$	3,252,755
Estimated interest charged (credited) to customers 07/1/18-10/31/18			(12,004)
Projected under / (over) collection as of 10/31/18 (A)		\$	423,534

Actual Gas Costs through 07/1/18	\$	3,140,776
Revised projected gas costs 08/1/18 - 10/31/18	\$	3,240,750
Estimated total adjusted gas costs 07/1/18 - 10/31/18 (B)	\$	6,369,522

Under/ (over) collection as percent of total gas costs (A/B)	6.65%
--	-------

Projected under / (over) collections as of 10/31/18 (A)	\$	423,534
Forecasted firm therm sales 08/01/18 - 10/31/18		7,872,130
Change in rate used to reduce forecast under/(over) collection	\$	0.0538
Current Cost of Gas Rate	\$	0.3127
Revised Cost of Gas Rate	\$	0.3665
Cap - Residential Cost of Gas Rate	\$	0.3916

ENERGYNORTH NATURAL GAS, INC.

Projected Over or Under Collection

Without Rate Adjustment	Beginning Under/(Over)	May-18 (Actual)	Jun-18 (Actual)	Jul-18 (Estimate)	Aug-18 (Estimate)	Sep-18 (Estimate)	Oct-18 (Estimate)	Total Peak
Total Gas Costs		\$ 1,790,052	\$ 1,418,314	\$ 884,049	\$ 805,888	\$ 792,246	\$ 1,524,905	\$ 7,215,453
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	-	(22,942)	(25,112)	(23,668)	(20,465)	(92,187)
Broker Revenue		-	-	(57,798)	(260,455)	(87,418)	(56,671)	(462,343)
Off System and Capacity Release		-	-	(9,523)	(8,400)	(14,105)	(12,378)	(44,406)
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(5,724)	(60,749)	(28,993)	(25,219)	(33,995)	(62,951)	(217,630)
Working Capital		1,132	(206)	(1,812)	(1,576)	(2,125)	(3,934)	(8,521)
Misc Overhead		-	-	694	608	809	1,474	3,585
Production & Storage		405	405	405	405	405	405	2,433
Total Indirect Costs		\$ (4,186)	\$ (60,549)	\$ (119,969)	\$ (319,749)	\$ (160,096)	\$ (154,520)	\$ (819,069)
Interest		(2,719)	(135)	(3,129)	(2,528)	(2,471)	(3,876)	\$ (14,858)
Total Gas Costs plus Indirect Costs	\$ (1,020,256)	1,783,146	1,357,630	760,951	483,611	629,680	1,366,508	\$ 5,361,270
Total Forecasted Sales Volumes		12,635,276	6,838,969	1,890,979	1,655,112	2,203,627	4,013,391	29,237,353
Total Forecasted Collections		893,509	986,614	591,594	519,044	691,470	1,255,505	\$ 4,937,735
With Rate Adjustment	Beginning Under/(Over)	May-18 (Actual)	Jun-18 (Actual)	Jul-18 (Estimate)	Aug-18 (Estimate)	Sep-18 (Estimate)	Oct-18 (Estimate)	Total Peak
Total Gas Costs		\$ 1,790,052	\$ 1,418,314	\$ 884,049	\$ 805,888	\$ 792,246	\$ 1,524,905	\$ 7,215,453
Adjustments and Indirect Costs								
Refunds & Adjustments		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
COG Bad Debt		-	-	-	-	-	-	-
Inventory Financing		-	-	-	-	-	-	-
Transportation Revenue		-	-	(22,942)	(25,112)	(23,668)	(20,465)	(92,187)
Broker Revenue		-	-	(57,798)	(260,455)	(87,418)	(56,671)	(462,343)
Off System and Capacity Release		-	-	(9,523)	(8,400)	(14,105)	(12,378)	(44,406)
Fixed Price Option Admin.		-	-	-	-	-	-	-
Bad Debt Costs		(5,724)	(60,749)	(28,993)	(25,219)	(33,995)	(62,951)	(217,630)
Working Capital		1,132	(206)	(1,812)	(1,576)	(2,125)	(3,934)	(8,521)
Misc Overhead		-	-	694	608	809	1,474	3,585
Production & Storage		405	405	405	405	405	405	2,433
Total Indirect Costs		\$ (4,186)	\$ (60,549)	\$ (119,969)	\$ (319,749)	\$ (160,096)	\$ (154,520)	\$ (819,069)
Interest		(2,719)	(135)	(3,129)	(2,528)	(2,471)	(3,890)	\$ (14,872)
Total Gas Costs plus Indirect Costs	\$ (1,020,256)	1,783,146	1,357,630	760,951	483,611	629,680	1,366,494	\$ 5,361,256
Total Forecasted Sales Volumes		12,635,276	6,838,969	1,890,979	1,655,112	2,203,627	4,013,391	29,237,353
Total Forecasted Collections		893,509	986,614	591,594	608,089	810,025	1,471,425	\$ 5,361,256

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

Filed Tariff Sheets

Proposed Fourth Revised Page 1
Check Sheet

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

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

Proposed Fourth Revised Page 84
Calculation Firm Sales Cost of Gas Rate

Proposed Fourth Revised Page 86
Calculation of Firm Sales Cost of Gas Rate

Proposed Third Revised Page 89
Calculation of Firm Transportation Cost of Gas Rate

<u>Page</u>	<u>Revision</u>
Title	Original
TOC i	Original
TOC ii	Original
TOC iii	Original
TOC iv	Original
1	Fourth Revised
2	First Revised
3	Fourth Revised
4	Third 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

ISSUED: July 24 2018

EFFECTIVE: August 01, 2018

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

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

ISSUED: July 24, 2018

EFFECTIVE: August 01, 2018

ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck
TITLE: President

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

ISSUED: July 24, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: August 01, 2018

Susan L. Fleck
TITLE: President

22 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS

	Rates effective March 1, 2018 - April 30, 2018 Winter Period				Rates Effective August 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>
<u>Residential Non Heating - R-1</u>								
Customer Charge per Month per Meter	\$16.88			\$16.88	\$ 15.02			\$ 15.02
All therms	\$0.2231	\$ 0.8056	\$ 0.0856	\$1.1143	\$ 0.3938	\$ 0.3665	\$ 0.0945	\$0.8548
<u>Residential Heating - R-3</u>								
Customer Charge per Month per Meter	\$24.43			\$24.43	\$ 15.02			\$ 15.02
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	\$ 0.5631	\$ 0.3665	\$ 0.0945	\$1.0241
All therms over the first block per month at	\$0.3197	\$ 0.8056	\$ 0.0856	\$ 1.2109				
<u>Residential Heating - R-4</u>								
Customer Charge per Month per Meter	\$9.77			\$9.77	\$ 6.00			\$ 6.00
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	\$ 0.2252	\$ 0.3665	\$ 0.0945	\$0.6862
All therms over the first block per month at	\$0.1278	\$ 0.8056	\$ 0.0856	\$ 1.0190				
<u>Commercial/Industrial - G-41</u>								
Customer Charge per Month per Meter	\$53.45			\$53.45	\$ 56.58			\$ 56.58
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	\$ 0.4639	\$ 0.3604	\$ 0.0763	\$0.9006
All therms over the first block per month at	\$0.2944	\$ 0.8041	\$ 0.0674	\$ 1.1659	\$ 0.3116	\$ 0.3604	\$ 0.0763	\$0.7483
<u>Commercial/Industrial - G-42</u>								
Customer Charge per Month per Meter	\$160.36			\$160.36	\$ 169.75			\$169.75
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	\$ 0.4219	\$ 0.3604	\$ 0.0763	\$0.8586
All therms over the first block per month at	\$0.2655	\$ 0.8041	\$ 0.0674	\$ 1.1370	\$ 0.2811	\$ 0.3604	\$ 0.0763	\$0.7178
<u>Commercial/Industrial - G-43</u>								
Customer Charge per Month per Meter	\$688.20			\$688.20	\$ 728.47			\$728.47
All therms over the first block per month at	\$0.2449	\$0.8041	\$0.0674	\$1.1164	\$ 0.1185	\$ 0.3604	\$ 0.0763	\$0.5552
<u>Commercial/Industrial - G-51</u>								
Customer Charge per Month per Meter	\$53.45			\$53.45	\$ 56.58			\$ 56.58
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	\$ 0.2796	\$ 0.3873	\$ 0.0763	\$0.7432
All therms over the first block per month at	\$0.1717	\$ 0.8200	\$ 0.0674	\$ 1.0591	\$ 0.1817	\$ 0.3873	\$ 0.0763	\$0.6453
<u>Commercial/Industrial - G-52</u>								
Customer Charge per Month per Meter	\$160.36			\$160.36	\$ 169.75			\$169.75
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	\$ 0.1740	\$ 0.3873	\$ 0.0763	\$0.6376
All therms over the first block per month at	\$0.1511	\$ 0.8200	\$ 0.0674	\$ 1.0385	\$ 0.0989	\$ 0.3873	\$ 0.0763	\$0.5625
<u>Commercial/Industrial - G-53</u>								
Customer Charge per Month per Meter	\$708.24			\$708.24	\$ 749.68			\$749.68
All therms over the first block per month at	\$0.1585	\$0.8200	\$0.0674	\$1.0459	\$ 0.0805	\$ 0.3873	\$ 0.0763	\$0.5441
<u>Commercial/Industrial - G-54</u>								
Customer Charge per Month per Meter	\$708.24			\$708.24	\$ 749.68			\$749.68
All therms over the first block per month at	\$0.0605	\$0.8200	\$0.0674	\$0.9479	\$ 0.0347	\$ 0.3873	\$ 0.0763	\$0.4983

ISSUED: July 24, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: August 01, 2018

Susan L. Fleck
President

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

	II RATE SCHEDULES FIRM RATE SCHEDULES							
	Rates effective March 1, 2018 - April 30, 2018 Winter Period				Rates Effective August 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>
<u>Residential Non Heating - R-5</u>								
Customer Charge per Month per Meter	\$21.94			\$21.94	\$ 19.52			\$ 19.52
All therms	\$0.2900	\$ 0.8056	\$ 0.0856	\$ 1.1812	\$ 0.5119	\$ 0.3665	\$ 0.0945	\$ 0.9191
<u>Residential Heating - R-6</u>								
Customer Charge per Month per Meter	\$31.76			\$31.76	\$ 19.52			\$ 19.52
All therms					\$ 0.7320	\$ 0.3665	\$ 0.0945	\$ 1.1392
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				
<u>Residential Heating - R-7</u>								
Customer Charge per Month per Meter	\$12.70			\$12.70	\$ 7.81			\$ 7.81
All therms					\$ 0.2928	\$ 0.3665	\$ 0.0945	\$ 0.7000
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				
<u>Commercial/Industrial - G-44</u>								
Customer Charge per Month per Meter	\$69.49			\$69.49	\$ 73.56			\$ 73.56
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	\$ 0.6031	\$ 0.3604	\$ 0.0763	\$ 0.9860
All therms over the first block per month at	\$0.3827	\$ 0.8041	\$ 0.0674	\$ 1.2542	\$ 0.4051	\$ 0.3604	\$ 0.0763	\$ 0.7880
<u>Commercial/Industrial - G-45</u>								
Customer Charge per Month per Meter	\$208.47			\$208.47	\$ 220.68			\$ 220.68
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	\$ 0.5485	\$ 0.3604	\$ 0.0763	\$ 0.9314
All therms over the first block per month at	\$0.3452	\$ 0.8041	\$ 0.0674	\$ 1.2167	\$ 0.3654	\$ 0.3604	\$ 0.0763	\$ 0.7483
<u>Commercial/Industrial - G-46</u>								
Customer Charge per Month per Meter	\$894.66			\$894.66	\$ 947.01			\$ 947.01
All therms over the first block per month at	\$0.3184	\$ 0.8041	\$ 0.0674	\$ 1.1899	\$ 0.1540	\$ 0.3604	\$ 0.0763	\$ 0.5369
<u>Commercial/Industrial - G-55</u>								
Customer Charge per Month per Meter	\$69.49			\$69.49	\$ 73.56			\$ 73.56
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	\$ 0.3635	\$ 0.3873	\$ 0.0763	\$ 0.7733
All therms over the first block per month at	\$0.2232	\$ 0.8200	\$ 0.0674	\$ 1.1106	\$ 0.2363	\$ 0.3873	\$ 0.0763	\$ 0.6461
<u>Commercial/Industrial - G-56</u>								
Customer Charge per Month per Meter	\$208.47			\$208.47	\$ 220.68			\$ 220.68
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	\$ 0.2262	\$ 0.3873	\$ 0.0763	\$ 0.6360
All therms over the first block per month at	\$0.1964	\$ 0.8200	\$ 0.0674	\$ 1.0838	\$ 0.1286	\$ 0.3873	\$ 0.0763	\$ 0.5384
<u>Commercial/Industrial - G-57</u>								
Customer Charge per Month per Meter	\$920.72			\$920.72	\$ 974.59			\$ 974.59
All therms over the first block per month at	\$0.2061	\$ 0.8200	\$ 0.0674	\$ 1.0935	\$ 0.1047	\$ 0.3873	\$ 0.0763	\$ 0.5145
<u>Commercial/Industrial - G-58</u>								
Customer Charge per Month per Meter	\$920.72			\$920.72	\$ 974.59			\$ 974.59
All therms over the first block per month at	\$0.0786	\$ 0.8200	\$ 0.0674	\$ 0.9660	\$ 0.0451	\$ 0.3873	\$ 0.0763	\$ 0.4549

ISSUED: July 24, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: August 01, 2018

Susan L. Fleck
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	
Direct Cost of Gas Rate		\$ 0.3042 per therm
Demand Cost of Gas Rate	\$ 3,898,265	\$ 0.2010 per therm
Commodity Cost of Gas Rate	2,801,331	\$ 0.1444 per therm
Adjustment Cost of Gas Rate	(800,338)	\$ (0.0413) per therm
Total Direct Cost of Gas Rate	\$ 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	
Indirect Cost of Gas		\$ 0.0091 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/18		\$ 0.3133 per therm

RESIDENTIAL COST OF GAS RATE - 05/01/2018	COGsr	\$ 0.3133 /therm
Change in rate due to change in under/over recovery		\$ 0.0783
RESIDENTIAL COST OF GAS RATE - 06/01/2018	COGsr	\$ 0.3916 /therm
Change in rate due to change in under/over recovery		\$ (0.0789)
RESIDENTIAL COST OF GAS RATE - 07/01/2018	COGsr	\$ 0.3127 /therm
Change in rate due to change in under/over recovery		\$ 0.0538
RESIDENTIAL COST OF GAS RATE - 08/01/2018	COGsr	\$ 0.3665 /therm

Maximum (COG + 25%) \$ 0.3916

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/2018	COGsl	\$ 0.3299 /therm
Change in rate due to change in under/over recovery		\$ 0.0825
COM/IND LOW WINTER USE COST OF GAS RATE - 06/01/2018	COGsl	\$ 0.4124 /therm
Change in rate due to change in under/over recovery		\$ (0.0789)
COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/2018	COGsl	\$ 0.3335 /therm
Change in rate due to change in under/over recovery		\$ 0.0538
COM/IND LOW WINTER USE COST OF GAS RATE - 08/01/2018	COGsl	\$ 0.3873 /therm

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	<u>0.9942</u>		
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	<u>\$ 0.0091</u>		
Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.3299		

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/2018	COGsh	\$ 0.3084 /therm
Change in rate due to change in under/over recovery		\$ 0.0771
COM/IND HIGH WINTER USE COST OF GAS RATE - 06/01/2018	COGsh	\$ 0.3855 /therm
Change in rate due to change in under/over recovery		\$ (0.0789)
COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/2018	COGsl	\$ 0.3066 /therm
Change in rate due to change in under/over recovery		\$ 0.0538
COM/IND HIGH WINTER USE COST OF GAS RATE - 08/01/2018	COGsl	\$ 0.3604 /therm

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	<u>0.9942</u>		
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	<u>\$ 0.0091</u>		
Adjusted Com/Ind High Winter Use Cost of Gas Rate	\$ 0.3084		

ISSUED: July 24, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: August 01, 2018

TITLE: Susan L. Fleck
President