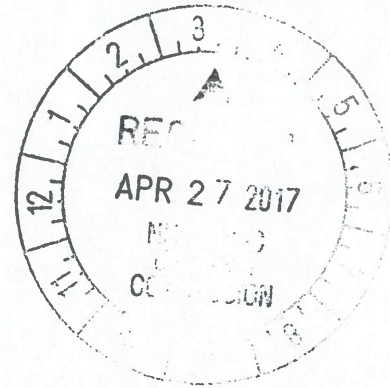




David B. Simek
Lead Utility Analyst, Rates & Regulatory Affairs
O: 603-216-3514
E: David.Simek@libertyutilities.com

April 27, 2017



Via ERF and US Mail

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

**Re: DG 16-814 Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities
2017 Summer Cost of Gas**

Dear Ms. Howland:

On behalf of Liberty Utilities (EnergyNorth Natural Gas) Corp. and in compliance with Order No. 25,958 in Docket DG 16-814, I enclose an original and two copies of the following check sheets and pages of Section II Rate Schedules of N.H.P.U.C. No. 8 – Gas, Tariff for Gas Service:

Twenty-first Revised Page 1
Nineteenth Revised Page 3
Eighteenth Revised Page 74
Eighth Revised Page 74-A
Fourth Revised Page 76
Seventeenth Revised Page 77

Check Sheet
Check Sheet (Cont'd)
Firm Rate Schedules
Firm Rate Schedules
Anticipated Cost of Gas
Calculation of Firm Sales Cost of Gas Rate

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

Sincerely,

David B. Simek

Enclosures

cc: Service List

CHECK SHEET

The title page and pages 1-94 inclusive of this tariff are effective as of the date shown on the individual tariff pages.

<u>Page</u>	<u>Revision</u>
Title	Original
1	Twenty-first Revised
2	Second Revised
3	Nineteenth Revised
4	First Revised
5	Original
6	Third Revised
7	Original
8	Original
9	First Revised
10	Third Revised
11	First Revised
12	First Revised
13	First Revised
14	Original
15	Original
16	Original
17	Original
18	Original
19	First Revised
20	Original
21	First Revised
22	Original
23	Original
24	Original
25	Original
26	Original
27	Original
28	First Revised
29	First Revised
30	First Revised

Issued: April 24, 2017
Effective: May 1, 2017

Issued by: /s/ James M. Sweeney
James M. Sweeney
Title: President

Issued in compliance with NHPUC Order No. 25,958 dated October 26, 2016 in Docket No. DG 16-814.

CHECK SHEET (Cont'd)

The title page and pages 1-94 inclusive of this tariff are effective as of the date shown on the individual tariff pages.

<u>Page</u>	<u>Revision</u>
61	First Revised
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71	First Revised
72	Original
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74-A	Eighth Revised
75	Original
76	Fourth Revised
77	Seventeenth Revised
78	Second Revised
79	Second Revised
80	Second Revised
81	Second Revised
82	Third Revised
83	Original
84	Original
85	Original
86	Original
87	Original
88	Original
89	Original
90	Original
91	Original
92	Original
93	Original
94	Original

Issued: April 24, 2017
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James M. Sweeney
Title: President

II RATE SCHEDULES
FIRM RATE SCHEDULES

	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate
<u>Residential Non Heating - R-1</u>								
Customer Charge per Month per Meter	\$ 15.27			\$ 15.27	\$ 15.27			\$ 15.27
All therms	\$ 0.2018	\$ 0.7162	\$ 0.0640	\$ 0.9820	\$ 0.2018	\$ 0.4368	\$ 0.0640	\$ 0.7026
<u>Residential Heating - R-3</u>								
Customer Charge per Month per Meter	\$ 22.10			\$ 22.10	\$ 22.10			\$ 22.10
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3495	\$ 0.7162	\$ 0.0640	\$ 1.1297	\$ 0.3495	\$ 0.4368	\$ 0.0640	\$ 0.8503
All therms over the first block per month at	\$ 0.2892	\$ 0.7162	\$ 0.0640	\$ 1.0694	\$ 0.2892	\$ 0.4368	\$ 0.0640	\$ 0.7900
<u>Residential Heating - R-4</u>								
Customer Charge per Month per Meter	\$ 8.84			\$ 8.84	\$ 8.84			\$ 8.84
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.1398	\$ 0.7162	\$ 0.0640	\$ 0.9200	\$ 0.1398	\$ 0.4368	\$ 0.0640	\$ 0.6406
All therms over the first block per month at	\$ 0.1156	\$ 0.7162	\$ 0.0640	\$ 0.8958	\$ 0.1156	\$ 0.4368	\$ 0.0640	\$ 0.6164
<u>Commercial/Industrial - G-41</u>								
Customer Charge per Month per Meter	\$ 48.36			\$ 48.36	\$ 48.36			\$ 48.36
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3965	\$ 0.7121	\$ 0.0450	\$ 1.1536	\$ 0.3965	\$ 0.4206	\$ 0.0450	\$ 0.8621
All therms over the first block per month at	\$ 0.2663	\$ 0.7121	\$ 0.0450	\$ 1.0234	\$ 0.2663	\$ 0.4206	\$ 0.0450	\$ 0.7319
<u>Commercial/Industrial - G-42</u>								
Customer Charge per Month per Meter	\$ 145.08			\$ 145.08	\$ 145.08			\$ 145.08
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.3606	\$ 0.7121	\$ 0.0450	\$ 1.1177	\$ 0.3606	\$ 0.4206	\$ 0.0450	\$ 0.8262
All therms over the first block per month at	\$ 0.2402	\$ 0.7121	\$ 0.0450	\$ 0.9973	\$ 0.2402	\$ 0.4206	\$ 0.0450	\$ 0.7058
<u>Commercial/Industrial - G-43</u>								
Customer Charge per Month per Meter	\$ 622.61			\$ 622.61	\$ 622.61			\$ 622.61
All therms over the first block per month at	\$ 0.2216	\$ 0.7121	\$ 0.0450	\$ 0.9787	\$ 0.1013	\$ 0.4206	\$ 0.0450	\$ 0.5669
<u>Commercial/Industrial - G-51</u>								
Customer Charge per Month per Meter	\$ 48.36			\$ 48.36	\$ 48.36			\$ 48.36
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.2390	\$ 0.7305	\$ 0.0450	\$ 1.0145	\$ 0.2390	\$ 0.4574	\$ 0.0450	\$ 0.7414
All therms over the first block per month at	\$ 0.1553	\$ 0.7305	\$ 0.0450	\$ 0.9308	\$ 0.1553	\$ 0.4574	\$ 0.0450	\$ 0.6577
<u>Commercial/Industrial - G-52</u>								
Customer Charge per Month per Meter	\$ 145.08			\$ 145.08	\$ 145.08			\$ 145.08
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2052	\$ 0.7305	\$ 0.0450	\$ 0.9807	\$ 0.1487	\$ 0.4574	\$ 0.0450	\$ 0.6511
All therms over the first block per month at	\$ 0.1367	\$ 0.7305	\$ 0.0450	\$ 0.9122	\$ 0.0845	\$ 0.4574	\$ 0.0450	\$ 0.5869
<u>Commercial/Industrial - G-53</u>								
Customer Charge per Month per Meter	\$ 640.74			\$ 640.74	\$ 640.74			\$ 640.74
All therms over the first block per month at	\$ 0.1434	\$ 0.7305	\$ 0.0450	\$ 0.9189	\$ 0.0688	\$ 0.4574	\$ 0.0450	\$ 0.5712
<u>Commercial/Industrial - G-54</u>								
Customer Charge per Month per Meter	\$ 640.74			\$ 640.74	\$ 640.74			\$ 640.74
All therms over the first block per month at	\$ 0.0547	\$ 0.7305	\$ 0.0450	\$ 0.8302	\$ 0.0297	\$ 0.4574	\$ 0.0450	\$ 0.5321

Issued: April 24, 2017
Effective: May 1, 2017

Issued by: /s/ James M. Sweeney
James M. Sweeney
Title: President

II RATE SCHEDULES
FIRM RATE SCHEDULES

	Winter Period				Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 77</u>	<u>LDAC Page 82</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 77</u>	<u>LDAC Page 82</u>	<u>Total Rate</u>
<u>Residential Non Heating - R-5</u>								
Customer Charge per Month per Meter	\$19.85			\$ 19.85	\$ 19.85			\$ 19.85
All therms	\$ 0.2623	\$ 0.7162	\$ 0.0640	\$ 1.0425	\$ 0.2623	\$ 0.4368	\$ 0.0640	\$ 0.7631
<u>Residential Heating - R-6</u>								
Customer Charge per Month per Meter	\$28.73			\$ 28.73	\$ 28.73			\$ 28.73
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.4544	\$ 0.7162	\$ 0.0640	\$ 1.2346	\$ 0.4544	\$ 0.4368	\$ 0.0640	\$ 0.9552
All therms over the first block per month at	\$ 0.3760	\$ 0.7162	\$ 0.0640	\$ 1.1562	\$ 0.3760	\$ 0.4368	\$ 0.0640	\$ 0.8768
<u>Residential Heating - R-7</u>								
Customer Charge per Month per Meter	\$11.49			\$ 11.49	\$ 11.49			\$ 11.49
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.1817	\$ 0.7162	\$ 0.0640	\$ 0.9619	\$ 0.1817	\$ 0.4368	\$ 0.0640	\$ 0.6825
All therms over the first block per month at	\$ 0.1503	\$ 0.7162	\$ 0.0640	\$ 0.9305	\$ 0.1503	\$ 0.4368	\$ 0.0640	\$ 0.6511
<u>Commercial/Industrial - G-44</u>								
Customer Charge per Month per Meter	\$62.87			\$ 62.87	\$ 62.87			\$ 62.87
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.5155	\$ 0.7121	\$ 0.0450	\$ 1.2726	\$ 0.5155	\$ 0.4206	\$ 0.0450	\$ 0.9811
All therms over the first block per month at	\$ 0.3462	\$ 0.7121	\$ 0.0450	\$ 1.1033	\$ 0.3462	\$ 0.4206	\$ 0.0450	\$ 0.8118
<u>Commercial/Industrial - G-45</u>								
Customer Charge per Month per Meter	\$188.60			\$ 188.60	\$ 188.60			\$ 188.60
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.4688	\$ 0.7121	\$ 0.0450	\$ 1.2259	\$ 0.4688	\$ 0.4206	\$ 0.0450	\$ 0.9344
All therms over the first block per month at	\$ 0.3123	\$ 0.7121	\$ 0.0450	\$ 1.0694	\$ 0.3123	\$ 0.4206	\$ 0.0450	\$ 0.7779
<u>Commercial/Industrial - G-46</u>								
Customer Charge per Month per Meter	\$809.39			\$ 809.39	\$ 809.39			\$ 809.39
All therms over the first block per month at	\$ 0.2881	\$ 0.7121	\$ 0.0450	\$ 1.0452	\$ 0.1317	\$ 0.4206	\$ 0.0450	\$ 0.5973
<u>Commercial/Industrial - G-55</u>								
Customer Charge per Month per Meter	\$62.87			\$ 62.87	\$ 62.87			\$ 62.87
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.3107	\$ 0.7305	\$ 0.0450	\$ 1.0862	\$ 0.3107	\$ 0.4574	\$ 0.0450	\$ 0.8131
All therms over the first block per month at	\$ 0.2019	\$ 0.7305	\$ 0.0450	\$ 0.9774	\$ 0.2019	\$ 0.4574	\$ 0.0450	\$ 0.7043
<u>Commercial/Industrial - G-56</u>								
Customer Charge per Month per Meter	\$188.60			\$ 188.60	\$ 188.60			\$ 188.60
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2667	\$ 0.7305	\$ 0.0450	\$ 1.0422	\$ 0.1933	\$ 0.4574	\$ 0.0450	\$ 0.6957
All therms over the first block per month at	\$ 0.1777	\$ 0.7305	\$ 0.0450	\$ 0.9532	\$ 0.1099	\$ 0.4574	\$ 0.0450	\$ 0.6123
<u>Commercial/Industrial - G-57</u>								
Customer Charge per Month per Meter	\$832.96			\$ 832.96	\$ 832.96			\$ 832.96
All therms over the first block per month at	\$ 0.1864	\$ 0.7305	\$ 0.0450	\$ 0.9619	\$ 0.0894	\$ 0.4574	\$ 0.0450	\$ 0.5918
<u>Commercial/Industrial - G-58</u>								
Customer Charge per Month per Meter	\$832.96			\$ 832.96	\$ 832.96			\$ 832.96
All therms over the first block per month at	\$ 0.0711	\$ 0.7305	\$ 0.0450	\$ 0.8466	\$ 0.0386	\$ 0.4574	\$ 0.0450	\$ 0.5410

Issued: April 24, 2017
Effective: May 1, 2017

Issued by: /s/ James M. Sweeney
James M. Sweeney
Title: President

Anticipated Cost of Gas

PERIOD COVERED: SUMMER PERIOD, MAY 1, 2017 THROUGH OCTOBER 31, 2017
(REFER TO TEXT IN SECTION 16 COST OF GAS CLAUSE)

(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>		
Purchased Gas:		
Demand Costs:	\$ 4,376,173	
Supply Costs:	5,605,785	
Storage Gas:		
Demand, Capacity:	\$ -	
Commodity Costs:	-	
Produced Gas:		
	\$ 89,297	
Hedged Contract (Savings)/Loss		
	\$ -	
Unadjusted Anticipated Cost of Gas		\$ 10,071,255
Adjustments:		
Prior Period (Over)/Under Recovery (as of April 30, 2017)	\$ (727,882)	
Interest	(20,272)	
Prior Period Adjustments	-	
Broker Revenues	-	
Refunds from Suppliers	-	
Fuel Financing	-	
Transportation CGA Revenues	-	
Interruptible Sales Margin	-	
Capacity Release Margin	-	
Hedging Costs	-	
Fixed Price Option Administrative Costs	-	
Total Adjustments		<u>(748,154)</u>
Total Anticipated Direct Cost of Gas		\$ 9,323,101
Anticipated Indirect Cost of Gas		
Working Capital:		
Total Unadjusted Anticipated Cost of Gas 05/01/17 - 10/31/17)	\$ 10,071,255	
Working Capital Rate - Lead Lag Days / 365	0.0391	
Prime Rate	3.50%	
Working Capital Percentage	0.137%	
Working Capital	\$ 13,784	
Plus: Working Capital Reconciliation (Acct 1163-1424)	<u>8,141</u>	
Total Working Capital Allowance		\$ 21,925
Bad Debt:		
Total Unadjusted Anticipated Cost of Gas 05/01/17 - 10/31/17)	\$ 10,071,255	
Less: Refunds	-	
Plus: Total Working Capital	21,925	
Plus: Prior Period (Over)/Under Recovery	<u>(727,882)</u>	
Subtotal	\$ 9,365,298	
Bad Debt Percentage	<u>4.04%</u>	
Bad Debt Allowance	\$ 378,358	
Plus: Bad Debt Reconciliation (Acct 1163-1754)	<u>(22,921)</u>	
Total Bad Debt Allowance		355,437
Production and Storage Capacity		
		-
Miscellaneous Overhead (05/01/17 - 10/31/17)	\$ 13,170	
Times Summer Sales	22,073	
Divided by Total Sales	<u>112,609</u>	
Miscellaneous Overhead		<u>2,581</u>
Total Anticipated Indirect Cost of Gas		\$ 379,944
Total Cost of Gas		\$ 9,703,045

Issued: April 24, 2017
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James M. Sweeney
Title: President

CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: SUMMER PERIOD, MAY 1, 2017 THROUGH OCTOBER 31, 2017
(Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 9,323,101	
Projected Prorated Sales (05/01/17 - 10/31/17)	22,215,128	
Direct Cost of Gas Rate		\$ 0.4197 per therm
Demand Cost of Gas Rate	\$ 4,376,173	\$ 0.1970 per therm
Commodity Cost of Gas Rate	5,695,082	\$ 0.2564 per therm
Adjustment Cost of Gas Rate	(748,154)	\$ (0.0337) per therm
Total Direct Cost of Gas Rate	\$ 9,323,101	\$ 0.4197 per therm
Total Anticipated Indirect Cost of Gas	\$ 379,944	
Projected Prorated Sales (05/01/17 - 10/31/17)	22,215,128	
Indirect Cost of Gas		\$ 0.0171 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/17		\$ 0.4368 per therm
RESIDENTIAL COST OF GAS RATE - 05/01/2017		
	COGsr	\$ 0.4368 /therm

Maximum (COG + 25%) \$ 0.5460

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/2017	COGsl	\$ 0.4574 /therm
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Average Demand Cost of Gas Rate Effective 05/01/17	\$ 0.1970		
Times: Low Winter Use Ratio (Summer)	1.1637	Maximum (COG + 25%)	\$ 0.5718
Times: Correction Factor	0.9493		
Adjusted Demand Cost of Gas Rate	\$ 0.2176		
Commodity Cost of Gas Rate	\$ 0.2564		
Adjustment Cost of Gas Rate	\$ (0.0337)		
Indirect Cost of Gas Rate	\$ 0.0171		
Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.4574		

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/2017	COGsh	\$ 0.4206 /therm
--	--------------	-------------------------

Average Demand Cost of Gas Rate Effective 05/01/17	\$ 0.1970		
Times: High Winter Use Ratio (Summer)	0.9667	Maximum (COG + 25%)	\$ 0.5258
Times: Correction Factor	0.9493		
Adjusted Demand Cost of Gas Rate	\$ 0.1808		
Commodity Cost of Gas Rate	\$ 0.2564		
Adjustment Cost of Gas Rate	\$ (0.0337)		
Indirect Cost of Gas Rate	\$ 0.0171		
Adjusted Com/Ind High Winter Use Cost of Gas Rate	\$ 0.4206		

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