

Liberty Utilities (EnergyNorth Natural Gas) Corp.
Peak 2016 - 2017 Winter Cost of Gas Filing

Filed Tariff Sheets

Fifteenth Revised Page 1
Check Sheet

Fourteenth Revised Page 3
Check Sheet (Cont'd)

Thirteenth Revised Page 74
Firm Rate Schedules

Third Revised Page 74-A
Firm Rate Schedules

Twelfth Revised Page 77
Calculation of Firm Sales Cost of Gas Rate

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	Fifteenth Revised
2	Second Revised
3	Fourteenth Revised
4	First Revised
5	Original
6	Third Revised
7	Original
8	Original
9	First Revised
10	Second 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: November 23, 2016
Effective: December 1, 2016

Issued by: /s/ David R. Swain
David R. Swain
Title: President

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
62	Original
63	First Revised
64	Original
65	First Revised
66	Original
67	First Revised
68	Original
69	First Revised
70	Original
71	First Revised
72	Original
73	Original
74	Thirteenth Revised
74-A	Third Revised
75	Original
76	Third Revised
77	Twelfth Revised
78	Second Revised
79	Second Revised
80	Second Revised
81	Second Revised
82	Second 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: November 23, 2016
Effective: December 1, 2016

Issued by: /s/ David R. Swain
David R. Swain
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-1</u>								
Customer Charge per Month per Meter	\$15.27			\$ 15.27	\$ 15.27			\$ 15.27
All therms	\$ 0.2018	\$ 0.6439	\$ 0.0553	\$ 0.9010	\$ 0.2018	\$ 0.4410	\$ 0.0553	\$ 0.6981
<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	\$ 0.6439	\$ 0.0553	\$ 1.0487	\$ 0.3495	\$ 0.4410	\$ 0.0553	\$ 0.8458
All therms over the first block per month at	\$ 0.2892	\$ 0.6439	\$ 0.0553	\$ 0.9884	\$ 0.2892	\$ 0.4410	\$ 0.0553	\$ 0.7855
<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	\$ 0.6439	\$ 0.0553	\$ 0.8390	\$ 0.1398	\$ 0.4410	\$ 0.0553	\$ 0.6361
All therms over the first block per month at	\$ 0.1156	\$ 0.6439	\$ 0.0553	\$ 0.8148	\$ 0.1156	\$ 0.4410	\$ 0.0553	\$ 0.6119
<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	\$ 0.6398	\$ 0.0370	\$ 1.0733	\$ 0.3965	\$ 0.4248	\$ 0.0370	\$ 0.8583
All therms over the first block per month at	\$ 0.2663	\$ 0.6398	\$ 0.0370	\$ 0.9431	\$ 0.2663	\$ 0.4248	\$ 0.0370	\$ 0.7281
<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	\$ 0.6398	\$ 0.0370	\$ 1.0374	\$ 0.3606	\$ 0.4248	\$ 0.0370	\$ 0.8224
All therms over the first block per month at	\$ 0.2402	\$ 0.6398	\$ 0.0370	\$ 0.9170	\$ 0.2402	\$ 0.4248	\$ 0.0370	\$ 0.7020
<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	\$ 0.6398	\$ 0.0370	\$ 0.8984	\$ 0.1013	\$ 0.4248	\$ 0.0370	\$ 0.5631
<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	\$ 0.6582	\$ 0.0370	\$ 0.9342	\$ 0.2390	\$ 0.4616	\$ 0.0370	\$ 0.7376
All therms over the first block per month at	\$ 0.1553	\$ 0.6582	\$ 0.0370	\$ 0.8505	\$ 0.1553	\$ 0.4616	\$ 0.0370	\$ 0.6539
<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	\$ 0.6582	\$ 0.0370	\$ 0.9004	\$ 0.1487	\$ 0.4616	\$ 0.0370	\$ 0.6473
All therms over the first block per month at	\$ 0.1367	\$ 0.6582	\$ 0.0370	\$ 0.8319	\$ 0.0845	\$ 0.4616	\$ 0.0370	\$ 0.5831
<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	\$ 0.6582	\$ 0.0370	\$ 0.8386	\$ 0.0688	\$ 0.4616	\$ 0.0370	\$ 0.5674
<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	\$ 0.6582	\$ 0.0370	\$ 0.7499	\$ 0.0297	\$ 0.4616	\$ 0.0370	\$ 0.5283

Issued: November 23, 2016
Effective: December 1, 2016

Issued by: /s/ David R. Swain
David R. Swain
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	\$ 0.6439	\$ 0.0553	\$ 0.9615	\$ 0.2623	\$ 0.4410	\$ 0.0553	\$ 0.7586
<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	\$ 0.6439	\$ 0.0553	\$ 1.1536	\$ 0.4544	\$ 0.4410	\$ 0.0553	\$ 0.9507
All therms over the first block per month at	\$ 0.3760	\$ 0.6439	\$ 0.0553	\$ 1.0752	\$ 0.3760	\$ 0.4410	\$ 0.0553	\$ 0.8723
<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	\$ 0.6439	\$ 0.0553	\$ 0.8809	\$ 0.1817	\$ 0.4410	\$ 0.0553	\$ 0.6780
All therms over the first block per month at	\$ 0.1503	\$ 0.6439	\$ 0.0553	\$ 0.8495	\$ 0.1503	\$ 0.4410	\$ 0.0553	\$ 0.6466
<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	\$ 0.6398	\$ 0.0370	\$ 1.1923	\$ 0.5155	\$ 0.4248	\$ 0.0370	\$ 0.9773
All therms over the first block per month at	\$ 0.3462	\$ 0.6398	\$ 0.0370	\$ 1.0230	\$ 0.3462	\$ 0.4248	\$ 0.0370	\$ 0.8080
<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	\$ 0.6398	\$ 0.0370	\$ 1.1456	\$ 0.4688	\$ 0.4248	\$ 0.0370	\$ 0.9306
All therms over the first block per month at	\$ 0.3123	\$ 0.6398	\$ 0.0370	\$ 0.9891	\$ 0.3123	\$ 0.4248	\$ 0.0370	\$ 0.7741
<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	\$ 0.6398	\$ 0.0370	\$ 0.9649	\$ 0.1317	\$ 0.4248	\$ 0.0370	\$ 0.5935
<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	\$ 0.6582	\$ 0.0370	\$ 1.0059	\$ 0.3107	\$ 0.4616	\$ 0.0370	\$ 0.8093
All therms over the first block per month at	\$ 0.2019	\$ 0.6582	\$ 0.0370	\$ 0.8971	\$ 0.2019	\$ 0.4616	\$ 0.0370	\$ 0.7005
<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	\$ 0.6582	\$ 0.0370	\$ 0.9619	\$ 0.1933	\$ 0.4616	\$ 0.0370	\$ 0.6919
All therms over the first block per month at	\$ 0.1777	\$ 0.6582	\$ 0.0370	\$ 0.8729	\$ 0.1099	\$ 0.4616	\$ 0.0370	\$ 0.6085
<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	\$ 0.6582	\$ 0.0370	\$ 0.8816	\$ 0.0894	\$ 0.4616	\$ 0.0370	\$ 0.5880
<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	\$ 0.6582	\$ 0.0370	\$ 0.7663	\$ 0.0386	\$ 0.4616	\$ 0.0370	\$ 0.5372

Issued: November 23, 2016
Effective: December 1, 2016

Issued by: /s/ David R. Swain
David R. Swain
Title: President

CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2016 THROUGH APRIL 30, 2017
(Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 59,710,049	
Projected Prorated Sales (11/01/16 - 04/30/17)	89,920,078	
Direct Cost of Gas Rate		\$ 0.6640 per therm
Demand Cost of Gas Rate	\$ 8,469,558	\$ 0.0942 per therm
Commodity Cost of Gas Rate	55,346,541	\$ 0.6155 per therm
Adjustment Cost of Gas Rate	(4,106,050)	\$ (0.0457) per therm
Total Direct Cost of Gas Rate	\$ 59,710,049	\$ 0.6640 per therm
Total Anticipated Indirect Cost of Gas	\$ 4,696,563	
Projected Prorated Sales (11/01/16 - 04/30/17)	89,920,078	
Indirect Cost of Gas		\$ 0.0522 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/16		\$ 0.7162 per therm
RESIDENTIAL COST OF GAS RATE - 11/01/16	COGwr	\$ 0.7162 /therm
Change in rate due to change in under/over recovery		\$ (0.0723)
RESIDENTIAL COST OF GAS RATE - 12/01/2016	COGsr	\$ 0.6439 /therm
	Maximum (COG + 25%)	\$ 0.8953
C&I LOW WINTER USE COST OF GAS RATE - 11/01/16	COGwl	\$ 0.7305 /therm
Change in rate due to change in under/over recovery		\$ (0.0723)
C&I LOW WINTER USE COST OF GAS RATE - 12/01/2016	COGsl	\$ 0.6582 /therm

Average Demand Cost of Gas Rate Effective 11/01/16	\$ 0.0942		
Times: Low Winter Use Ratio (Winter)	1.1637	Maximum (COG + 25%)	\$ 0.9131
Times: Correction Factor	0.9898		
Adjusted Demand Cost of Gas Rate	\$ 0.1085		
Commodity Cost of Gas Rate	\$ 0.6155		
Adjustment Cost of Gas Rate	\$ (0.0457)		
Indirect Cost of Gas Rate	\$ 0.0522		
Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.7305		

C&I HIGH WINTER USE COST OF GAS RATE - 11/01/16	COGwh	\$ 0.7121 /therm
Change in rate due to change in under/over recovery		\$ (0.0723)
C&I HIGH WINTER USE COST OF GAS RATE - 12/01/2016	COGsh	\$ 0.6398 /therm

Average Demand Cost of Gas Rate Effective 11/01/16	\$ 0.0942		
Times: High Winter Use Ratio (Winter)	0.9667	Maximum (COG + 25%)	\$ 0.8901
Times: Correction Factor	0.9898		
Adjusted Demand Cost of Gas Rate	\$ 0.0901		
Commodity Cost of Gas Rate	\$ 0.6155		
Adjustment Cost of Gas Rate	\$ (0.0457)		
Indirect Cost of Gas Rate	\$ 0.0522		
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.7121		

Issued: November 23, 2016
Effective: December 1, 2016

Issued by: /s/ David R. Swain
David R. Swain
Title: President