

**Liberty Utilities (EnergyNorth Natural Gas) Corp.  
Peak 2015 - 2016 Winter Cost of Gas Filing**

**Filed Tariff Sheets**

Proposed Fifth Revised Page 1  
Check Sheet

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

Proposed Fifth Revised Page 74  
Firm Rate Schedules

Proposed Fifth 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.

<b><u>Page</u></b>	<b><u>Revision</u></b>
Title	Original
1	Fifth Revised
2	Original
3	Fifth Revised
4	Original
5	Original
6	First Revised
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
25	Original
26	Original
27	Original
28	Original
29	Original
30	Original

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**CHECK SHEET (Cont'd)**

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<b><u>Page</u></b>	<b><u>Revision</u></b>
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	Fifth Revised
75	Original
76	First Revised
77	Fifth Revised
78	First Revised
79	First Revised
80	First Revised
81	First Revised
82	First Revised
83	Original
84	Original
85	Original
86	Original
87	Original
88	Original
89	First Revised
90	Original
91	Original
92	Original
93	Original
94	Original

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**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
<b><u>Residential Non Heating - R-1</u></b>								
Customer Charge per Month per Meter	\$ 15.24			\$ 15.24	\$ 15.24			\$ 15.24
All therms	\$ 0.2014	\$ 0.2634	\$ 0.1014	\$ 0.5662	\$ 0.2014	\$ 0.3796	\$ 0.0937	\$ 0.6747
<b><u>Residential Heating - R-3</u></b>								
Customer Charge per Month per Meter	\$22.04			\$ 22.04	\$ 22.04			\$ 22.04
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3486	\$ 0.2634	\$ 0.1014	\$ 0.7134	\$ 0.3486	\$ 0.3796	\$ 0.0937	\$ 0.8219
All therms over the first block per month at	\$ 0.2885	\$ 0.2634	\$ 0.1014	\$ 0.6533	\$ 0.2885	\$ 0.3796	\$ 0.0937	\$ 0.7618
<b><u>Residential Heating - R-4</u></b>								
Customer Charge per Month per Meter	\$8.82			\$ 8.82	\$ 8.82			\$ 8.82
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.1394	\$ 0.2634	\$ 0.1014	\$ 0.5042	\$ 0.1394	\$ 0.3796	\$ 0.0937	\$ 0.6127
All therms over the first block per month at	\$ 0.1153	\$ 0.2634	\$ 0.1014	\$ 0.4801	\$ 0.1153	\$ 0.3796	\$ 0.0937	\$ 0.5886
<b><u>Commercial/Industrial - G-41</u></b>								
Customer Charge per Month per Meter	\$48.24			\$ 48.24	\$ 48.24			\$ 48.24
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3956	\$ 0.2572	\$ 0.0685	\$ 0.7213	\$ 0.3956	\$ 0.3933	\$ 0.0793	\$ 0.8682
All therms over the first block per month at	\$ 0.2657	\$ 0.2572	\$ 0.0685	\$ 0.5914	\$ 0.2657	\$ 0.3933	\$ 0.0793	\$ 0.7383
<b><u>Commercial/Industrial - G-42</u></b>								
Customer Charge per Month per Meter	\$144.73			\$ 144.73	\$ 144.73			\$ 144.73
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.3598	\$ 0.2572	\$ 0.0685	\$ 0.6855	\$ 0.3598	\$ 0.3933	\$ 0.0793	\$ 0.8324
All therms over the first block per month at	\$ 0.2396	\$ 0.2572	\$ 0.0685	\$ 0.5653	\$ 0.2396	\$ 0.3933	\$ 0.0793	\$ 0.7122
<b><u>Commercial/Industrial - G-43</u></b>								
Customer Charge per Month per Meter	\$621.12			\$ 621.12	\$ 621.12			\$ 621.12
All therms over the first block per month at	\$ 0.2210	\$ 0.2572	\$ 0.0685	\$ 0.5467	\$ 0.1011	\$ 0.3933	\$ 0.0793	\$ 0.5737
<b><u>Commercial/Industrial - G-51</u></b>								
Customer Charge per Month per Meter	\$48.24			\$ 48.24	\$ 48.24			\$ 48.24
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.2384	\$ 0.2765	\$ 0.0685	\$ 0.5834	\$ 0.2384	\$ 0.3451	\$ 0.0793	\$ 0.6628
All therms over the first block per month at	\$ 0.1549	\$ 0.2765	\$ 0.0685	\$ 0.4999	\$ 0.1549	\$ 0.3451	\$ 0.0793	\$ 0.5793
<b><u>Commercial/Industrial - G-52</u></b>								
Customer Charge per Month per Meter	\$144.73			\$ 144.73	\$ 144.73			\$ 144.73
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2047	\$ 0.2765	\$ 0.0685	\$ 0.5497	\$ 0.1484	\$ 0.3451	\$ 0.0793	\$ 0.5728
All therms over the first block per month at	\$ 0.1364	\$ 0.2765	\$ 0.0685	\$ 0.4814	\$ 0.0843	\$ 0.3451	\$ 0.0793	\$ 0.5087
<b><u>Commercial/Industrial - G-53</u></b>								
Customer Charge per Month per Meter	\$639.21			\$ 639.21	\$ 639.21			\$ 639.21
All therms over the first block per month at	\$ 0.1430	\$ 0.2765	\$ 0.0685	\$ 0.4880	\$ 0.0687	\$ 0.3451	\$ 0.0793	\$ 0.4931
<b><u>Commercial/Industrial - G-54</u></b>								
Customer Charge per Month per Meter	\$639.21			\$ 639.21	\$ 639.21			\$ 639.21
All therms over the first block per month at	\$ 0.0546	\$ 0.2765	\$ 0.0685	\$ 0.3996	\$ 0.0296	\$ 0.3451	\$ 0.0793	\$ 0.4540

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**CALCULATION OF FIRM SALES COST OF GAS RATE**  
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016  
(Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 59,426,348	
Projected Prorated Sales (11/01/15 - 04/30/16)	85,749,300	
<b>Direct Cost of Gas Rate</b>		\$ 0.6930 per therm
<b>Demand Cost of Gas Rate</b>	\$ 8,946,041	\$ 0.1043 per therm
<b>Commodity Cost of Gas Rate</b>	60,664,327	\$ 0.7075 per therm
<b>Adjustment Cost of Gas Rate</b>	<u>(10,184,020)</u>	<u>\$ (0.1188) per therm</u>
<b>Total Direct Cost of Gas Rate</b>	\$ 59,426,348	\$ 0.6930 per therm
Total Anticipated Indirect Cost of Gas	\$ 5,026,252	
Projected Prorated Sales (11/01/15 - 04/30/16)	85,749,300	
<b>Indirect Cost of Gas</b>		\$ 0.0586 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/15</b>		<b>\$ 0.7516 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE - 11/01/15</b>	<b>COGwr</b>	<b>\$ 0.7516 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.1260)
<b>RESIDENTIAL COST OF GAS RATE - 01/01/2016</b>	<b>COGsr</b>	<b>\$ 0.6256 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1820)
<b>RESIDENTIAL COST OF GAS RATE - 02/01/2016</b>	<b>COGwr</b>	<b>\$ 0.4436 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1802)
<b>RESIDENTIAL COST OF GAS RATE - 3/1/2016</b>	<b>COGwr</b>	<b>\$ 0.2634 /therm</b>

Maximum (COG + 25%) \$ 0.9395

<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 11/01/15</b>	<b>COGwl</b>	<b>\$ 0.7647 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.1260)
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 01/01/2016</b>	<b>COGsl</b>	<b>\$ 0.6387 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1820)
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 02/01/2016</b>	<b>COGsl</b>	<b>\$ 0.4567 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1802)
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 3/01/2016</b>	<b>COGsl</b>	<b>\$ 0.2765 /therm</b>

Average Demand Cost of Gas Rate Effective 11/01/15	\$ 0.1043		
Times: Low Winter Use Ratio (Winter)	1.1498	Maximum (COG + 25%)	\$ 0.9559
Times: Correction Factor	<u>0.9794</u>		
Adjusted Demand Cost of Gas Rate	\$ 0.1174		
Commodity Cost of Gas Rate	\$ 0.7075		
Adjustment Cost of Gas Rate	\$ (0.1188)		
Indirect Cost of Gas Rate	<u>\$ 0.0586</u>		
Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.7647		

<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 11/01/15</b>	<b>COGwh</b>	<b>\$ 0.7454 /therm</b>
Change in rate due to change in under/over recovery		\$ (0.1260)
<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 01/01/2016</b>	<b>COGsh</b>	<b>\$ 0.6194 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1820)
<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 02/01/2016</b>	<b>COGwh</b>	<b>\$ 0.4374 /therm</b>
Change in Rate due to change in under/over recovery		\$ (0.1802)
<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 3/01/2016</b>	<b>COGwh</b>	<b>\$ 0.2572 /therm</b>

Average Demand Cost of Gas Rate Effective 11/01/15	\$ 0.1043		
Times: High Winter Use Ratio (Winter)	0.9607	Maximum (COG + 25%)	\$ 0.9318
Times: Correction Factor	<u>0.9794</u>		
Adjusted Demand Cost of Gas Rate	\$ 0.0981		
Commodity Cost of Gas Rate	\$ 0.7075		
Adjustment Cost of Gas Rate	\$ (0.1188)		
Indirect Cost of Gas Rate	<u>\$ 0.0586</u>		
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.7454		

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