

**Liberty Utilities (EnergyNorth Natural Gas) Corp.
Off Peak 2016 Summer Cost of Gas Filing**

Filed Tariff Sheets

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II RATE SCHEDULES
FIRM RATE SCHEDULES

	<u>Winter Period</u>				<u>Summer Period</u>			
	<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	\$ 15.24			\$ 15.24	\$ 15.24			\$ 15.24
All therms	\$ 0.2014	\$ 0.2634	\$ 0.1014	\$ 0.5662	\$ 0.2014	\$ 0.4118	\$ 0.1014	\$ 0.7146
<u>Residential Heating - R-3</u>								
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	\$ 0.4118	\$ 0.1014	\$ 0.8618
All therms over the first block per month at	\$ 0.2885	\$ 0.2634	\$ 0.1014	\$ 0.6533	\$ 0.2885	\$ 0.4118	\$ 0.1014	\$ 0.8017
<u>Residential Heating - R-4</u>								
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	\$ 0.4118	\$ 0.1014	\$ 0.6526
All therms over the first block per month at	\$ 0.1153	\$ 0.2634	\$ 0.1014	\$ 0.4801	\$ 0.1153	\$ 0.4118	\$ 0.1014	\$ 0.6285
<u>Commercial/Industrial - G-41</u>								
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	\$ 0.3976	\$ 0.0685	\$ 0.8617
All therms over the first block per month at	\$ 0.2657	\$ 0.2572	\$ 0.0685	\$ 0.5914	\$ 0.2657	\$ 0.3976	\$ 0.0685	\$ 0.7318
<u>Commercial/Industrial - G-42</u>								
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	\$ 0.3976	\$ 0.0685	\$ 0.8259
All therms over the first block per month at	\$ 0.2396	\$ 0.2572	\$ 0.0685	\$ 0.5653	\$ 0.2396	\$ 0.3976	\$ 0.0685	\$ 0.7057
<u>Commercial/Industrial - G-43</u>								
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	\$ 0.3976	\$ 0.0685	\$ 0.5672
<u>Commercial/Industrial - G-51</u>								
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	\$ 0.4415	\$ 0.0685	\$ 0.7484
All therms over the first block per month at	\$ 0.1549	\$ 0.2765	\$ 0.0685	\$ 0.4999	\$ 0.1549	\$ 0.4415	\$ 0.0685	\$ 0.6649
<u>Commercial/Industrial - G-52</u>								
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	\$ 0.4415	\$ 0.0685	\$ 0.6584
All therms over the first block per month at	\$ 0.1364	\$ 0.2765	\$ 0.0685	\$ 0.4814	\$ 0.0843	\$ 0.4415	\$ 0.0685	\$ 0.5943
<u>Commercial/Industrial - G-53</u>								
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	\$ 0.4415	\$ 0.0685	\$ 0.5787
<u>Commercial/Industrial - G-54</u>								
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	\$ 0.4415	\$ 0.0685	\$ 0.5396

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David R. Swain
President

Title:

Anticipated Cost of Gas

**PERIOD COVERED: SUMMER PERIOD, MAY 1, 2016 THROUGH OCTOBER 31, 2016
(REFER TO TEXT IN SECTION 16 COST OF GAS CLAUSE)**

(Col 1)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS		
Purchased Gas:		
Demand Costs:	\$ 4,602,902	
Supply Costs:	2,086,877	
Storage Gas:		
Demand, Capacity:	\$ -	
Commodity Costs:	240,661	
Produced Gas:	\$ 25,890	
Hedged Contract (Savings)/Loss	<u>\$ -</u>	
Unadjusted Anticipated Cost of Gas		\$ 6,956,330
Adjustments:		
Prior Period (Over)/Under Recovery (as of October 31, 2015)	\$ 963,754	
Interest	34,202	
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>997,956</u>	
Total Anticipated Direct Cost of Gas		\$ 7,954,286
Anticipated Indirect Cost of Gas		
Working Capital:		
Total Unadjusted Anticipated Cost of Gas 05/01/16 - 10/31/16	\$ 6,956,330	
Working Capital Rate - Lead Lag Days / 365	0.0391	
Prime Rate	3.50%	
Working Capital Percentage	0.137%	
Working Capital	\$ 9,521	
Plus: Working Capital Reconciliation (Acct 1163-1424)	<u>14,110</u>	
Total Working Capital Allowance		\$ 23,631
Bad Debt:		
Total Unadjusted Anticipated Cost of Gas 05/01/16 - 10/31/16	\$ 6,956,330	
Less: Refunds	-	
Plus: Total Working Capital	23,631	
Plus: Prior Period (Over)/Under Recovery	<u>963,754</u>	
Subtotal	\$ 7,943,715	
Bad Debt Percentage	<u>4.27%</u>	
Bad Debt Allowance	\$ 339,197	
Plus: Bad Debt Reconciliation (Acct 1163-1754)	<u>(86,856)</u>	
Total Bad Debt Allowance		252,340
Production and Storage Capacity		
Miscellaneous Overhead (05/01/16 - 10/31/16)	\$ 13,170	
Times Summer Sales	20,074	
Divided by Total Sales	<u>99,259</u>	
Miscellaneous Overhead		<u>2,663</u>
Total Anticipated Indirect Cost of Gas		\$ 278,635
Total Cost of Gas		<u>\$ 8,232,921</u>

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CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: SUMMER PERIOD, MAY 1, 2016 THROUGH OCTOBER 31, 2016
 (Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 7,954,286	
Projected Prorated Sales (05/01/16 - 10/31/16)	19,992,221	
Direct Cost of Gas Rate		\$ 0.3979 per therm
Demand Cost of Gas Rate	\$ 4,602,902	\$ 0.2302 per therm
Commodity Cost of Gas Rate	2,353,428	\$ 0.1177 per therm
Adjustment Cost of Gas Rate	<u>997,956</u>	<u>\$ 0.0499 per therm</u>
Total Direct Cost of Gas Rate	\$ 7,954,286	\$ 0.3979 per therm
Total Anticipated Indirect Cost of Gas	\$ 278,635	
Projected Prorated Sales (05/01/16 - 10/31/16)	19,992,221	
Indirect Cost of Gas		\$ 0.0139 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/16		\$ 0.4118 per therm

RESIDENTIAL COST OF GAS RATE - 05/01/2016	COGsr	\$ 0.4118 /therm
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Maximum (COG + 25%) \$ 0.5148

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/2016	COGsl	\$ 0.4415 /therm
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Average Demand Cost of Gas Rate Effective 05/01/16	\$ 0.2302		
*Times: Low Winter Use Ratio (Summer)	1.1635	Maximum (COG + 25%)	\$ 0.5519
Times: Correction Factor	<u>0.9708</u>		
Adjusted Demand Cost of Gas Rate	\$ 0.2600		
Commodity Cost of Gas Rate	\$ 0.1177		
Adjustment Cost of Gas Rate	\$ 0.0499		
Indirect Cost of Gas Rate	<u>\$ 0.0139</u>		
Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.4415		

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/2016	COGsh	\$ 0.3976 /therm
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Average Demand Cost of Gas Rate Effective 05/01/16	\$ 0.2302		
*Times: High Winter Use Ratio (Summer)	0.9669	Maximum (COG + 25%)	\$ 0.4970
Times: Correction Factor	<u>0.9708</u>		
Adjusted Demand Cost of Gas Rate	\$ 0.2161		
Commodity Cost of Gas Rate	\$ 0.1177		
Adjustment Cost of Gas Rate	\$ 0.0499		
Indirect Cost of Gas Rate	<u>\$ 0.0139</u>		
Adjusted Com/Ind High Winter Use Cost of Gas Rate	\$ 0.3976		

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