

# **Northern Utilities, Inc.**

## **New Hampshire Division**

### **2016 SUMMER PERIOD PROPOSED COST OF GAS ADJUSTMENT**

**TO BE EFFECTIVE MAY 1, 2016**

**FILED MARCH 16, 2016**

**Tariff Sheets**

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Calculation of proposed Cost of Gas Adjustment

Tenth Revised Page No. 43  
Calculation of proposed Cost of Gas Adjustment

Tenth Revised Page No. 96  
Rate Summary

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Rate Summary

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Rate Summary

CHECK SHEET

The title page and pages i-173 inclusive of this tariff are effective as of the date shown on the individual tariff pages.

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**CHECK SHEET**

The title page and pages i-173 inclusive of this tariff are effective as of the date shown on the individual tariff pages.

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**CHECK SHEET**

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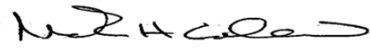
<u>Pages</u>	<u>Revision</u>	<u>Proposed</u>
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**Anticipated Cost of Gas**

**New Hampshire Division**  
**Period Covered: May 1, 2016 - October 31, 2016**

(Col 1)	(Col 2)	(Col 3)
<b><u>ANTICIPATED DIRECT COST OF GAS</u></b>		
<b>Purchased Gas:</b>		
Demand Costs:	\$525,885	
Supply Costs:	\$2,040,682	
<b>Storage &amp; Peaking Gas:</b>		
Demand, Capacity:	\$407,523	
Commodity Costs:	\$49,933	
<b>Hedging (Gain)/Cost</b>	\$0	
<b>Interruptible Included Above</b>	\$0	
<b>Inventory Finance Charge</b>	\$0	
<b>Capacity Release, &amp; Asset Management</b>	\$0	
<b>Total Anticipated Direct Cost of Gas</b>		<b><u>\$3,024,024</u></b>
<b><u>ANTICIPATED INDIRECT COST OF GAS</u></b>		
<b>Adjustments:</b>		
Prior Period Under/(Over) Collection	\$23,260	
Interest	(\$335)	
Refunds	\$0	
<u>Interruptible Margins</u>	\$0	
Total Adjustments		\$22,925
<b>Working Capital:</b>		
Total Anticipated Direct Cost of Gas	\$3,024,024	
Working Capital Percentage	0.0887%	
Working Capital Allowance	\$2,682	
Plus: Working Capital Reconciliation (Acct 182.11)	(\$431)	
Total Working Capital Allowance		\$2,251
<b>Bad Debt:</b>		
Bad Debt Allowance	\$22,890	
Plus: Bad Debt Reconciliation (Acct 182.16)	(\$12,773)	
Total Bad Debt Allowance		\$10,117
<b>Local Production and Storage Capacity</b>		\$0
<b>Miscellaneous Overhead-22.99% Allocated to Summer Season</b>		\$117,870
<b>Total Anticipated Indirect Cost of Gas</b>		\$153,163
<b>Total Cost of Gas</b>		<b><u>\$3,177,188</u></b>

Issued: March 16, 2016  
Effective Date: May 1, 2016

Issued By:   
Senior Vice President

Authorized by NHPUC Order No. \_\_\_\_\_, in Docket No. DG 16-\_\_\_\_\_, dated \_\_\_\_\_, 2016

**CALCULATION OF FIRM SALES COST OF GAS RATE**

Period Covered: May 1, 2016 - October 31, 2016

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$3,024,024	
Projected Prorated Sales (05/01/16- 10/31/16)	9,940,234	
<b>Direct Cost of Gas Rate</b>		\$0.3042 per therm
<b>Demand Cost of Gas Rate</b>	\$933,408	\$0.0939 per therm
<b>Commodity Cost of Gas Rate</b>	<u>\$2,090,615</u>	<u>\$0.2103</u> per therm
<b>Total Direct Cost of Gas Rate</b>	\$3,024,024	<b>\$0.3042</b> per therm
Total Anticipated Indirect Cost of Gas	\$153,163	
Projected Prorated Sales (05/01/16- 10/31/16)	9,940,234	
<b>Indirect Cost of Gas</b>		\$0.0154 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>		<b>\$0.3196 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE - 05/01/16</b>	<b>COGwr</b>	<b>\$0.3196 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.3995</b>

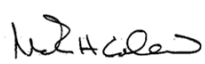
<b>COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16</b>	<b>COGwl</b>	<b>\$0.2832 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.3540</b>

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$173,257
PLUS: RESIDENTIAL DEMAND RELOCATION TO C7I HLF	<u>\$26,630</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$199,887
C&I HLF PROJECTED PRORATED SALES (05/1/16-10/31/16)	3,477,731
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.0575</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$731,431
PLUS: RESIDENTIAL COMMODITY COSTS	<u>\$35</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$731,466
C&I HLF PROJECTED PRORATED SALES (05/1/16-10/31/16)	3,477,731
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2103</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0154</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.2832</b>

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16</b>	<b>COGwh</b>	<b>\$0.3619 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.4524</b>

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$353,322
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$54,307</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$407,629
C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16)	2,991,879
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.1362</b>
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$629,248
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>\$30</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$629,277
C&I LLF PROJECTED PRORATED SALES (05/1/16-10/31/16)	2,991,879
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2103</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0154</b>
<b>TOTAL C&amp;I LLF COST OF GAS RATE</b>	<b>\$0.3619</b>

Issued: March 16, 2016  
Effective Date: May 1, 2016  
Authorized by NHPUC Order No. \_\_\_\_\_, in Docket No. DG 16-\_\_\_\_, dated \_\_\_\_\_.

Issued By:   
Senior Vice President



**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION**  
**SUMMER SEASON RESIDENTIAL RATES**

<b>Summer Season May 2016 - October 2016</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>	<b>Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas</b>
Residential Heating	<b><u>Tariff Rate R 5:</u></b>			
	Monthly Customer Charge	\$21.36	\$21.36	\$21.36
	First 50 therms	\$0.5449	\$0.5823	\$0.9019
	All usage over 50 therms	\$0.5449	\$0.5823	\$0.9019
	<b>LDAC</b>	<b>\$0.0374</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.3196</b>		
Residential Heating Low Income	<b><u>Tariff Rate R 10:</u></b>			
	Monthly Customer Charge	\$8.54	\$8.54	\$8.54
	First 50 therms	\$0.2179	\$0.2553	\$0.5749
	All usage over 50 therms	\$0.2179	\$0.2553	\$0.5749
	<b>LDAC</b>	<b>\$0.0374</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.3196</b>		
Residential Non-Heating	<b><u>Tariff Rate R 6:</u></b>			
	Monthly Customer Charge	\$21.36	\$21.36	\$21.36
	First 10 therms	\$0.4214	\$0.4588	\$0.7784
	All usage over 10 therms	\$0.4214	\$0.4588	\$0.7784
	<b>LDAC</b>	<b>\$0.0374</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.3196</b>		
Residential Non-Heating Low Income	<b><u>Tariff Rate R 11:</u></b>			
	Monthly Customer Charge	\$15.52	\$15.52	\$15.52
	First 10 therms	\$0.3196	\$0.3570	\$0.6766
	All usage over 10 therms	\$0.3196	\$0.3570	\$0.6766
	<b>LDAC</b>	<b>\$0.0374</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.3196</b>		

Issued: March 16, 2016

Effective: With Service Rendered On and After May 1, 2016  
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**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION**  
**SUMMER SEASON C&I RATES**

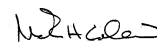
<b>Summer Season May 2016 - October 2016</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>	<b>Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas</b>
C&I Low Annual/High Winter	<b><u>Tariff Rate G 40:</u></b>			
	Monthly Customer Charge	\$67.45	<b>\$67.45</b>	<b>\$67.45</b>
	First 75 therms	\$0.1615	<b>\$0.1838</b>	<b>\$0.5457</b>
	All usage over 75 therms	\$0.1615	<b>\$0.1838</b>	<b>\$0.5457</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
<b><u>Gas Cost Adjustment:</u></b>				
Cost of Gas		<b>\$0.3619</b>		
C&I Low Annual/Low Winter	<b><u>Tariff Rate G 50:</u></b>			
	Monthly Customer Charge	\$67.45	<b>\$67.45</b>	<b>\$67.45</b>
	First 75 therms	\$0.1615	<b>\$0.1838</b>	<b>\$0.4670</b>
	All usage over 75 therms	\$0.1615	<b>\$0.1838</b>	<b>\$0.4670</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
<b><u>Gas Cost Adjustment:</u></b>				
Cost of Gas		<b>\$0.2832</b>		
C&I Medium Annual/High Winter	<b><u>Tariff Rate G 41:</u></b>			
	Monthly Customer Charge	\$196.73	<b>\$196.73</b>	<b>\$196.73</b>
	All usage	\$0.1622	<b>\$0.1845</b>	<b>\$0.5464</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
Cost of Gas		<b>\$0.3619</b>		
C&I Medium Annual/Low Winter	<b><u>Tariff Rate G 51:</u></b>			
	Monthly Customer Charge	\$196.73	<b>\$196.73</b>	<b>\$196.73</b>
	First 1,000 therms	\$0.1183	<b>\$0.1406</b>	<b>\$0.4238</b>
	All usage over 1,000 therms	\$0.0958	<b>\$0.1181</b>	<b>\$0.4013</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
<b><u>Gas Cost Adjustment:</u></b>				
Cost of Gas		<b>\$0.2832</b>		
C&I High Annual/High Winter	<b><u>Tariff Rate G 42:</u></b>			
	Monthly Customer Charge	\$1,124.19	<b>\$1,124.19</b>	<b>\$1,124.19</b>
	All usage	\$0.1066	<b>\$0.1289</b>	<b>\$0.4908</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
Cost of Gas		<b>\$0.3619</b>		
C&I High Annual/Low Winter	<b><u>Tariff Rate G 52:</u></b>			
	Monthly Customer Charge	\$1,124.19	<b>\$1,124.19</b>	<b>\$1,124.19</b>
	All usage	\$0.0707	<b>\$0.0930</b>	<b>\$0.3762</b>
	<b>LDAC</b>	<b>\$0.0223</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
Cost of Gas		<b>\$0.2832</b>		

Issued: March 16, 2016

Effective: With Service Rendered On and After May 1, 2016

Authorized by NHPUC Order No. in Docket No. DG 16-, dated

Issued by:



Title: Senior Vice President

**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION**  
**SUMMER SEASON C&I RATES**

<b>Summer Season May 2016 - October 2016</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>
C&I Low Annual/High Winter	<b><u>Tariff Rate T 40:</u></b>		
	Monthly Customer Charge	\$67.45	<b>\$67.45</b>
	First 75 therms	\$0.1615	<b>\$0.1838</b>
	All usage over 75 therms	\$0.1615	<b>\$0.1838</b>
<b>LDAC</b>		<b>\$0.0223</b>	
C&I Low Annual/Low Winter	<b><u>Tariff Rate T 50:</u></b>		
	Monthly Customer Charge	\$67.45	<b>\$67.45</b>
	First 75 therms	\$0.1615	<b>\$0.1838</b>
	All usage over 75 therms	\$0.1615	<b>\$0.1838</b>
<b>LDAC</b>		<b>\$0.0223</b>	
C&I Medium Annual/High Winter	<b><u>Tariff Rate T 41:</u></b>		
	Monthly Customer Charge	\$196.73	<b>\$196.73</b>
	All usage	\$0.1622	<b>\$0.1845</b>
	<b>LDAC</b>	<b>\$0.0223</b>	
C&I Medium Annual/Low Winter	<b><u>Tariff Rate T 51:</u></b>		
	Monthly Customer Charge	\$196.73	<b>\$196.73</b>
	First 1,000 therms	\$0.1183	<b>\$0.1406</b>
	All usage over 1,000 therms	\$0.0958	<b>\$0.1181</b>
<b>LDAC</b>		<b>\$0.0223</b>	
C&I High Annual/High Winter	<b><u>Tariff Rate T 42:</u></b>		
	Monthly Customer Charge	\$1,124.49	<b>\$1,124.49</b>
	All usage	\$0.1066	<b>\$0.1289</b>
	<b>LDAC</b>	<b>\$0.0223</b>	
C&I High Annual/Low Winter	<b><u>Tariff Rate T 52:</u></b>		
	Monthly Customer Charge	\$1,124.49	<b>\$1,124.49</b>
	All usage	\$0.0707	<b>\$0.0930</b>
	<b>LDAC</b>	<b>\$0.0223</b>	
C&I Interruptible Transportation	<b><u>Tariff Rate IT:</u></b>		
	Monthly Customer Charge	\$170.21	<b>\$170.21</b>
	First 20,000 therms	\$0.0407	<b>\$0.0407</b>
	All usage over 20,000 therms	\$0.0347	<b>\$0.0347</b>


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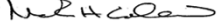
### Anticipated Cost of Gas

#### New Hampshire Division

Period Covered: ~~November 1, 2015~~ May 1, 2016 - ~~April 30, 2015~~ October 31, 2016

	(Col 1)	(Col 2)	(Col 3)
<b><u>ANTICIPATED DIRECT COST OF GAS</u></b>			
<b>Purchased Gas:</b>			
Demand Costs:	\$ 2,512,004	\$ 525,885	
Supply Costs:	\$ 14,488,622	\$ 2,040,682	
<b>Storage &amp; Peaking Gas:</b>			
Demand, Capacity:	\$ 6,035,707	\$ 407,523	
Commodity Costs:	\$ 3,129,204	\$ 49,933	
<b>Hedging (Gain)/Loss</b>	\$ 83,993	\$ -	
<b>Interruptible Included Above</b>	\$ -	\$ -	
<b>Inventory Finance Charge</b>	\$ 3,483	\$ -	
<b>Capacity Release</b>	\$ (3,401,720)	\$ -	
<b>Total Anticipated Direct Cost of Gas</b>		\$ 22,851,290	\$ 3,024,024
<b><u>ANTICIPATED INDIRECT COST OF GAS</u></b>			
<b>Adjustments:</b>			
Prior Period Under/(Over) Collection	\$ (2,001,586)	\$ 23,260	
Interest	\$ 3,131	\$ (335)	
Refunds	\$ -	\$ -	
<u>Interruptible Margins</u>	\$ -	\$ -	
Total Adjustments		\$ (1,998,455)	\$ 22,925
<b>Working Capital:</b>			
Total Anticipated Direct Cost of Gas	\$ 22,851,290	\$ 3,024,024	
Working Capital Percentage	0.0824%	0.0887%	
Working Capital Allowance	\$ 18,821	\$ 2,682	
Plus: Working Capital Reconciliation (Acct 182.11)	\$ (3,542)	\$ (431)	
Total Working Capital Allowance		\$ 15,279	\$ 2,251
<b>Bad Debt:</b>			
Bad Debt Allowance	\$ 251,100	\$ 22,890	
Plus: Bad Debt Reconciliation (Acct 182.16)	\$ (62,204)	\$ (12,773)	
Total Bad Debt Allowance		\$ 188,896	\$ 10,117
<b>Local Production and Storage Capacity</b>		\$ 420,658	\$ -
<b>Miscellaneous Overhead-77.0122.99% Allocated to Winter</b>		\$ 394,798	\$ 117,870
<b>Total Anticipated Indirect Cost of Gas</b>		\$ (978,824)	\$ 153,164
<b>Total Cost of Gas</b>		\$ 21,872,467	\$ 3,177,187

Issued: ~~November 4, 2015~~ March 16, 2016  
Effective Date: ~~November 1, 2015~~ May 1, 2016

Issued By:   
Senior Vice President

**CALCULATION OF FIRM SALES COST OF GAS RATE**

Period Covered: November 1, 2015 – April 30, 2016 May 1, 2016 - October 31, 2016

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$22,851,294	\$3,024,024
Projected Prorated Sales (11/01/15 – 04/30/16) (05/01/16 - 10/31/16)	\$33,294,126	9,940,234
<b>Direct Cost of Gas Rate</b>		\$0.6863
<b>Demand Cost of Gas Rate</b>	\$5,145,991	\$933,408
<b>Commodity Cost of Gas Rate</b>	\$17,705,300	\$2,090,615
<b>Total Direct Cost of Gas Rate</b>	\$22,851,294	\$3,024,024
		<b>\$0.6864</b>
Total Anticipated Indirect Cost of Gas	(\$978,824)	\$153,163
Projected Prorated Sales (11/01/15 – 04/30/16) (05/01/16 - 10/31/16)	\$33,294,126	9,940,234
<b>Indirect Cost of Gas</b>		(\$0.0294)
		\$0.0154 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>		<b>\$0.6570</b>
		<b>\$0.3196</b> per therm
Period Ending Under-collection as determined on 11/24/14 <sup>+</sup>	(\$1,503,430)	
Projected Sales (12/01/15 – 04/30/16)	29,021,690	
Per Unit Change in Cost of Gas (12/01/15 – 4/30/16)	(\$0.0518)	
Period Ending Under-collection as determined on 1/22/15 <sup>+</sup>	\$922,312	
Projected Sales (02/01/16 – 04/30/16)	14,781,281	
Per Unit Change in Cost of Gas (02/01/16 – 4/30/16)	\$0.0624	

<b>RESIDENTIAL COST OF GAS RATE - 02/01/16 05/01/16</b>	<b>COGwr</b>	<b>\$0.6676</b>	<b>\$0.3196</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.8213</b>	<b>\$0.3995</b>	
RESIDENTIAL COST OF GAS RATE - 11/01/15			\$0.6570	
CHANGE IN PER UNIT COST			(\$0.0518)	
RESIDENTIAL COST OF GAS RATE - 12/01/15			\$0.6052	
CHANGE IN PER UNIT COST			\$0.0624	
RESIDENTIAL COST OF GAS RATE - 02/01/16			\$0.6676	

<b>COM/IND LOW WINTER USE COST OF GAS RATE - 02/01/16 05/01/16</b>	<b>COGwl</b>	<b>\$0.6568</b>	<b>\$0.2832</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.8078</b>	<b>\$0.3540</b>	
COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/15			\$0.6462	
CHANGE IN PER UNIT COST			(\$0.0518)	
COM/IND LOW WINTER USE COST OF GAS RATE - 12/01/15			\$0.5944	
CHANGE IN PER UNIT COST			\$0.0624	
COM/IND LOW WINTER USE COST OF GAS RATE - 02/01/16			\$0.6568	

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$173,257
PLUS: RESIDENTIAL DEMAND RELOCATION TO C7I HLF	\$26,630
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$199,887
C&I HLF PROJECTED PRORATED SALES	3,477,731
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.0575</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$731,431
PLUS: RESIDENTIAL COMMODITY COSTS	\$35
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$731,466
C&I HLF PROJECTED PRORATED SALES	3,477,731
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2103</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0154</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.2832</b>

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 02/01/16 05/01/16</b>	<b>COGwh</b>	<b>\$0.6722</b>	<b>\$0.3619</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.8270</b>	<b>\$0.4524</b>	
COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/15			\$0.6616	
CHANGE IN PER UNIT COST			(\$0.0518)	
COM/IND HIGH WINTER USE COST OF GAS RATE - 12/01/15			\$0.6098	
CHANGE IN PER UNIT COST			\$0.0624	
COM/IND HIGH WINTER USE COST OF GAS RATE - 02/01/16			\$0.6722	

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$353,322
PLUS: RESIDENTIAL DEMAND RELOCATION TO C7I HLF	\$54,307
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$407,629
C&I HLF PROJECTED PRORATED SALES	2,991,879
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.1362</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$629,248
PLUS: RESIDENTIAL COMMODITY COSTS	\$30
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$629,277
C&I HLF PROJECTED PRORATED SALES	2,991,879
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2103</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0154</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.3619</b>

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

~~WINTER~~ SUMMER SEASON RESIDENTIAL RATES

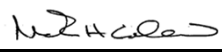
<del>Winter</del> <u>Summer</u> Season November 2015 - April 2016 <u>May 2016 - October 2016</u>		Tariff Rates		Total Delivery Rates (Includes LDAC)		Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas	
Residential Heating	<u>Tariff Rate R 5:</u>						
	Monthly Customer Charge	\$21.36			\$21.36		\$21.36
	First 50 therms	<del>\$0.6239</del>	<u>\$0.5449</u>	<del>\$0.6613</del>	<u>\$0.5823</u>	<del>\$1.3289</del>	<u>\$0.9019</u>
	All usage over 50 therms	<del>\$0.5103</del>	<u>\$0.5449</u>	<del>\$0.5477</del>	<u>\$0.5823</u>	<del>\$1.2153</del>	<u>\$0.9019</u>
	LDAC	\$0.0374					
<u>Gas Cost Adjustment:</u>							
Cost of Gas		<del>\$0.6676</del>	<u>\$0.3196</u>				
Residential Heating Low income	<u>Tariff Rate R 10:</u>						
	Monthly Customer Charge	\$8.54			\$8.54		\$8.54
	First 50 therms	<del>\$0.2496</del>	<u>\$0.2179</u>	<del>\$0.2870</del>	<u>\$0.2553</u>	<del>\$0.9546</del>	<u>\$0.5749</u>
	All usage over 50 therms	<del>\$0.2041</del>	<u>\$0.2179</u>	<del>\$0.2415</del>	<u>\$0.2553</u>	<del>\$0.9091</del>	<u>\$0.5749</u>
	LDAC	\$0.0374					
<u>Gas Cost Adjustment:</u>							
Cost of Gas		<del>\$0.6676</del>	<u>\$0.3196</u>				
Residential Non-Heating	<u>Tariff Rate R 6:</u>						
	Monthly Customer Charge	\$21.36			\$21.36		\$21.36
	First 10 therms	\$0.4214		<del>\$0.4588</del>		<del>\$1.1264</del>	<u>\$0.7784</u>
	All usage over 10 therms	\$0.4214		<del>\$0.4588</del>		<del>\$1.1264</del>	<u>\$0.7784</u>
	LDAC	\$0.0374					
<u>Gas Cost Adjustment:</u>							
Cost of Gas		<del>\$0.6676</del>	<u>\$0.3196</u>				
Residential Non-Heating Low income	<u>Tariff Rate R 11:</u>						
	Monthly Customer Charge	\$15.52			\$15.52		\$15.52
	First 10 therms	\$0.3196		<del>\$0.3570</del>		<del>\$1.0246</del>	<u>\$0.6766</u>
	All usage over 10 therms	\$0.3196		<del>\$0.3570</del>		<del>\$1.0246</del>	<u>\$0.6766</u>
	LDAC	\$0.0374					
<u>Gas Cost Adjustment:</u>							
Cost of Gas		<del>\$0.6676</del>	<u>\$0.3196</u>				

Issued: January 22, ~~March 16~~, 2016

Effective Date: ~~February~~ May 1, 2016

Authorized by NHPUC Order No. in Docket No. DG 16, dated

Issued by:

  
Title: Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

WINTER~~SUMMER~~ SEASON C&I RATES

<b>Winter Summer Season</b> <b>November 2015 – April 2016 May 2016 - October 2016</b>		<b>Tariff Rates</b>		<b>Total Delivery Rates (Includes LDAC)</b>		<b>Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas</b>	
C&I Low Annual/High Winter <b>32323.2</b>	<b><u>Tariff Rate G 40:</u></b> Monthly Customer Charge	\$67.45		\$67.45		\$67.45	
	First 75 therms	\$0.1615		\$0.1838		\$0.8560	
	All usage over 75 therms	\$0.1615		\$0.1838		\$0.8560	
	<b>LDAC</b>	\$0.0223					
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6722</u></b> <b><u>\$0.3619</u></b>				<b><u>\$0.5457</u></b> <b><u>\$0.5457</u></b>	
C&I Low Annual/Low Winter <b>32323.1</b>	<b><u>Tariff Rate G 50:</u></b> Monthly Customer Charge	\$67.45		\$67.45		\$67.45	
	First 75 therms	\$0.1615		\$0.1838		\$0.8406	
	All usage over 75 therms	\$0.1615		\$0.1838		\$0.8406	
	<b>LDAC</b>	\$0.0223					
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6568</u></b> <b><u>\$0.2832</u></b>				<b><u>\$0.4670</u></b> <b><u>\$0.4670</u></b>	
C&I Medium Annual/High Winter <b>32323.4</b>	<b><u>Tariff Rate G 41:</u></b> Monthly Customer Charge	\$196.73		\$196.73		\$196.73	
	All usage	\$0.2098		\$0.2321		\$0.9043	
	<b>LDAC</b>	\$0.0223		<b><u>\$0.1845</u></b>		<b><u>\$0.5464</u></b>	
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6722</u></b> <b><u>\$0.3619</u></b>					
C&I Medium Annual/Low Winter <b>32323.3</b>	<b><u>Tariff Rate G 51:</u></b> Monthly Customer Charge	\$196.73		\$196.73		\$196.73	
	First <del>1,300</del> 1,000 therms	\$0.1520		\$0.1743		\$0.8311	
	All usage over <del>1,300</del> 1,000 therms	\$0.1238		\$0.1461		\$0.8029	
	<b>LDAC</b>	\$0.0223		<b><u>\$0.1406</u></b>		<b><u>\$0.4238</u></b>	
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6568</u></b> <b><u>\$0.2832</u></b>		<b><u>\$0.1181</u></b>		<b><u>\$0.4013</u></b>	
C&I High Annual/High Winter <b>32323.6</b>	<b><u>Tariff Rate G 42:</u></b> Monthly Customer Charge	\$1,124.19		\$1,124.19		\$1,124.19	
	All usage	\$0.1764		\$0.1987		\$0.8709	
	<b>LDAC</b>	\$0.0223		<b><u>\$0.1066</u></b>		<b><u>\$0.1289</u></b>	
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6722</u></b> <b><u>\$0.3619</u></b>				<b><u>\$0.4908</u></b>	
C&I High Annual/Low Winter <b>32323.5</b>	<b><u>Tariff Rate G 52:</u></b> Monthly Customer Charge	\$1,124.19		\$1,124.19		\$1,124.19	
	All usage	\$0.1541		\$0.1764		\$0.8332	
	<b>LDAC</b>	\$0.0223		<b><u>\$0.0707</u></b>		<b><u>\$0.0930</u></b>	
	<b><u>Gas Cost Adjustment:</u></b> Cost of Gas	<b><u>\$0.6568</u></b> <b><u>\$0.2832</u></b>				<b><u>\$0.3762</u></b>	

Issued: January 22, ~~March 16,~~ 2016

Effective Date: February ~~May~~ 1, 2016

Authorized by NHPUC Order No. in Docket No. DG 16, dated

Issued by:

Title:

  
Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

~~WINTER~~SUMMER SEASON C&I RATES

<del>Winter</del> <u>Summer</u> Season November 2014 - April 2015 <u>May 2016 - October 2016</u>		Tariff Rates	Total Delivery Rates (Includes LDAC)
C&I Low Annual/High Winter <b>32323.2</b>	<u><b>Tariff Rate T 40:</b></u> Monthly Customer Charge First 75 therms All usage over 75 therms  <u><b>LDAC</b></u>	\$67.45 \$0.1615 \$0.1615  <b>\$0.0223</b>	<b>\$67.45</b>  <b>\$0.1838</b> <b>\$0.1838</b>
C&I Low Annual/Low Winter <b>32323.1</b>	<u><b>Tariff Rate T 50:</b></u> Monthly Customer Charge First 75 therms All usage over 75 therms  <u><b>LDAC</b></u>	\$67.45 \$0.1615 \$0.1615  <b>\$0.0223</b>	<b>\$67.45</b>  <b>\$0.1838</b> <b>\$0.1838</b>
C&I Medium Annual/High Winter <b>32323.4</b>	<u><b>Tariff Rate T 41:</b></u> Monthly Customer Charge  All usage  <u><b>LDAC</b></u>	\$196.73  <b>\$0.2098</b> <u><b>\$0.1622</b></u>  <b>\$0.0223</b>	<b>\$196.73</b>  <b>\$0.2321</b> <u><b>\$0.1845</b></u>
C&I Medium Annual/Low Winter <b>32323.3</b>	<u><b>Tariff Rate T 51:</b></u> Monthly Customer Charge First <u>1,000</u> <del>1,300</del> therms All usage over <u>1,000</u> <del>1,300</del> therms  <u><b>LDAC</b></u>	\$196.73 <b>\$0.1520</b> <u><b>\$0.1183</b></u> <b>\$0.1238</b> <u><b>\$0.0958</b></u>  <b>\$0.0223</b>	<b>\$196.73</b> <b>\$0.1743</b> <u><b>\$0.1406</b></u> <b>\$0.1461</b> <u><b>\$0.1181</b></u>
C&I High Annual/High Winter <b>32323.6</b>	<u><b>Tariff Rate T 42:</b></u> Monthly Customer Charge  All usage  <u><b>LDAC</b></u>	\$1,124.49  <b>\$0.1764</b> <u><b>\$0.1066</b></u>  <b>\$0.0223</b>	<b>\$1,124.49</b>  <b>\$0.1987</b> <u><b>\$0.1289</b></u>
C&I High Annual/Low Winter <b>32323.5</b>	<u><b>Tariff Rate G 52:</b></u> Monthly Customer Charge  All usage  <u><b>LDAC</b></u>	\$1,124.49  <b>\$0.1541</b> <u><b>\$0.0707</b></u>  <b>\$0.0223</b>	<b>\$1,124.49</b>  <b>\$0.1764</b> <u><b>\$0.0930</b></u>
C&I Interruptible Transportation <b>32334.1</b>	<u><b>Tariff Rate IT:</b></u> Monthly Customer Charge First 20,000 therms All usage over 20,000 therms	\$170.21 <del>\$0.1299</del> <u><b>\$0.0407</b></u> <del>\$0.1108</del> <u><b>\$0.0347</b></u>	<b>\$170.21</b> <b>\$0.1299</b> <u><b>\$0.0407</b></u> <b>\$0.1108</b> <u><b>\$0.0347</b></u>

Issued: November 4, 2015 March 16, 2016

Effective Date: November 4, 2015 May 1, 2016

Authorized by NHPUC Order No. in Docket No. DG 16-, dated

Issued by:

Title:

  
Senior Vice President