Northern Utilities, Inc. New Hampshire Division Summer 2016 Cost of Gas

# **Tariff Sheets**

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

> Thirteenth Revised Page No. 96 Rate Summary

Thirteenth Revised Page No. 97 Rate Summary

#### N.H.P.U.C No. 11 NORTHERN UTILITIES, INC.

### 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 Projected Prorated Sales (05/01/16- 10/31/16) Direct Cost of Gas Rate	\$3,024,024 9,940,234	\$0.3042	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$933,408 \$ <u>2,090,615</u> \$3,024,023	\$0.0939 \$ <u>0.2103</u> <b>\$0.3042</b>	per therm per therm per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (05/01/16- 10/31/16) Indirect Cost of Gas	\$153,163 9,940,234	\$0.0154	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.3196	per therm
Period ending under-collection as determined on 05/20/16 Projected sales (06/01/16 - 10/31/16) Per unit change in Cost of Gas (06/01/16 - 10/31/16) <sup>-1</sup> Under-collection w/o rate adjustment as contained in NUI's COG Report dated May 20, 2016	\$184,787 7,902,146 \$0.0234		
Period ending under-collection adjustment as determined on 06/23/16	\$310,000		
Projected sales (07/01/16 - 10/31/16)	6,544,717		
Per unit change in Cost of Gas (07/01/16 - 10/31/16)	\$0.0474		

<sup>-2</sup> Over-collection w/o rate adjustement as contained in NUI's COG Report dated June 23, 2016

RESIDENTIAL COST OF GAS RATE - 07/01/16	COGwr	\$0.3904 per therm
	Maximum (COG+25%)	\$0.3995
		<b>A</b> 2 <b>2 1 2 2</b>
RESIDENTIAL COST OF GAS RATE - 05/01/16 CHANGE IN PER UNIT COST		\$0.3196 \$0.0234
RESIDENTIAL COST OF GAS RATE - 06/01/16		\$0.3430
CHANGE IN PER UNIT COST		\$0.0474
RESIDENTIAL COST OF GAS RATE - 07/01/16		\$0.3904

COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/16	COGwl	\$0.3540 per therm
	Maximum (COG+25%)	\$0.3540
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATE - 06/01/16 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/16		\$0.2832 \$0.0234 \$0.3066 \$0.0474 \$0.3540

COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/16	COGwh	\$0.4327 per therm
	Maximum (COG+25%)	\$0.4524
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16		\$0.3619
CHANGE IN PER UNIT COST		\$0.0234
COM/IND HIGH WINTER USE COST OF GAS RATE - 06/01/16		\$0.3853
CHANGE IN PER UNIT COST		\$0.0474
COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/16		\$0.4327
		-

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Senior Vice President

## NHPUC No. 11 - Gas NORTHERN UTILITIES, INC.

## Thirteenth Revised Page 96 Superseding Twelfth Revised Page 96

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

	Summer Season		Total	Total Bille	d Rates
	May 2016 - October 2016	Tariff	Delivery Rates	Tariff Rate	s, LDAC
	-	Rates	(Includes LDAC)	Plus Cost	of Gas
Residential Heating	Tariff Rate R 5:				
	Monthly Customer Charge	\$21.36	\$21.36		\$21.36
	First 50 therms	\$0.5449	\$0.5823	\$0.9727	
	All usage over 50 therms	\$0.5449	\$0.5823	\$0.9727	
	LDAC	\$0.0374			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.3904			
Residential Heating	Tariff Rate R 10:				
Low Income	Monthly Customer Charge	\$8.54	\$8.54		\$8.54
	First 50 therms	\$0.2179	\$0.2553	\$0.6457	
	All usage over 50 therms	\$0.2179	\$0.2553	\$0.6457	
	LDAC	\$0.0374	• • • • •	•	
	Gas Cost Adjustment:				
	Cost of Gas	\$0.3904			
Residential Non-Heating	Tariff Rate R 6:				
	Monthly Customer Charge	\$21.36	\$21.36		\$21.36
	First 10 therms	\$0.4214	\$0.4588	\$0.8492	
	All usage over 10 therms	\$0.4214	\$0.4588	\$0.8492	
	LDAC	\$0.0374			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.3904			
Peridential Non Heating	Tariff Rate R 11:				
Residential Non-Heating	Monthly Customer Charge	\$15.52	\$15.52		\$15.52
Low Income	First 10 therms	\$15.52 \$0.3196	\$15.52 \$0.3570	\$0.7474	\$15.3Z
		\$0.3196	\$0.3570 \$0.3570	\$0.7474 \$0.7474	
	All usage over 10 therms LDAC	\$0.3196 \$0.0374	φ <b>0.3</b> 370	<b>ψ</b> υ. <i>1</i> 4 <i>1</i> 4	
	Gas Cost Adjustment:	<b>φ</b> 0.0374			
	Cost of Gas	\$0.3904			
	Cost of Gas	<b>\$0.3904</b>			

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Effective: With Service Rendered On and After July 1, 2016	Title:	Senior Vice President
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## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

SUMMER SEASON C&I RATES

	Summer Season		Total	<b>Total Billed Rates</b>
	May 2016 - October 2016	Tariff	Delivery Rates	Tariff Rates, LDAC
			•	
	Tariff Data O 40:	Rates	(Includes LDAC)	Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40:	<b>007 15</b>	A	A
	Monthly Customer Charge	\$67.45	\$67.45	\$67.45
	First 75 therms	\$0.1615	\$0.1838	\$0.6165
	All usage over 75 therms	\$0.1615	\$0.1838	\$0.6165
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.4327		
C&I Low Annual/Low Winter	Tariff Rate G 50:			
	Monthly Customer Charge	\$67.45	\$67.45	\$67.45
	First 75 therms	\$0.1615	\$0.1838	\$0.5378
	All usage over 75 therms	\$0.1615	\$0.1838	\$0.5378
	LDAC	\$0.0223	<b>\$0.1000</b>	<i>\\</i> 0.0070
		ψ <b>0.0</b> 225		
	Gas Cost Adjustment:	¢0.0540		
	Cost of Gas	\$0.3540		
C&I Medium Annual/High Winter	Tariff Rate G 41:			
	Monthly Customer Charge	\$196.73	\$196.73	\$196.73
	,	• • • •	• • • •	,
	All usage	\$0.1622	\$0.1845	\$0.6172
	LDAC	\$0.0223	<b>V</b> OITO IO	\$01011 <u>2</u>
	Gas Cost Adjustment:	ψ <b>0.022</b> 5		
		¢0 4227		
	Cost of Gas	\$0.4327		
C&I Medium Annual/Low Winter	Tariff Rate G 51:			
	Monthly Customer Charge	\$196.73	\$196.73	\$196.73
	First 1,000 therms	\$0.1183	\$0.1406	\$0.4946
	All usage over 1,000 therms	\$0.0958	\$0.1181	\$0.4721
	LDAC	\$0.0223	<b>v</b> on non	<b>**</b>
	Gas Cost Adjustment:	ψ <b>0.022</b> 5		
	Cost of Gas	\$0.3540		
	Cost of Gas	<b>φ0.3340</b>		
C&I High Annual/High Winter	Tariff Rate G 42:			
	Monthly Customer Charge	\$1,124.19	\$1,124.19	\$1,124.19
	All usage	\$0.1066	\$0.1289	\$0.5616
	LDAC	\$0.0223	, <b></b>	***** <b>*</b>
	Gas Cost Adjustment:	<b><i>QUIDELO</i></b>		
	Cost of Gas	\$0.4327		
			1	1
C&I High Annual/Low Winter	Tariff Rate G 52:			
	Monthly Customer Charge	\$1,124.19	\$1,124.19	\$1,124.19
	All usage	\$0.0707	\$0.0930	\$0.4470
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.3540		
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#### N.H.P.U.C No. 11 NORTHERN UTILITIES, INC.

### 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 Projected Prorated Sales (05/01/16- 10/31/16) Direct Cost of Gas Rate	\$3,024,024 9,940,234	\$0.3042	per therm
Direct Cost of Gas Rate		φ0.3042	per menn
Demand Cost of Gas Rate	\$933,408	\$0.0939	per therm
Commodity Cost of Gas Rate	\$ <u>2,090,615</u>	\$ <u>0.2103</u>	per therm
Total Direct Cost of Gas Rate	\$3,024,023	\$0.3042	per therm
Total Anticipated Indirect Cost of Gas	\$153,163		
Projected Prorated Sales (05/01/16- 10/31/16)	9,940,234		
Indirect Cost of Gas		\$0.0154	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.3196	per therm
Period ending over-collection as determined on 05/20/16 <sup>1</sup>	\$184,787		
Projected sales (06/01/16 - 10/31/16)	7,902,146		
Per unit change in Cost of Gas (06/01/16 - 10/31/16)	\$0.0234		
<sup>-1</sup> Over-collection w/o rate adjustement as contained in NUI's COG Report dated May 18, 2016			
Period ending under-collection adjustment as determined on 06/23/16 <sup>2</sup>	<u>\$310,000</u>		
Projected sales (07/01/16 - 10/31/16)	6,544,717		
Per unit change in Cost of Gas (07/01/16 - 10/31/16)	<u>\$0.0474</u>		
<sup>-2</sup> Over-collection w/o rate adjustement as contained in NUI's COG Report dated June 23, 2016			

<sup>-2</sup> Over-collection w/o rate adjustement as contained in NUI's COG Report dated June 23, 2016

RESIDENTIAL COST OF GAS RATE - <del>-06/01/16</del> 07/01/16	COGwr	<del>\$0.3430</del>	per therm
	Maximum (COG+25%)	\$0.3995	
RESIDENTIAL WINTER USE COST OF GAS RATE - 05/01/16		\$0.3196	
CHANGE IN PER UNIT COST		\$0.0234	
RESIDENTIAL COST OF GAS RATE - 06/01/16		\$0.3430	
CHANGE IN PER UNIT COST		<u>\$0.0474</u>	
RESIDENTIAL COST OF GAS RATE - 07/01/16		<u>\$0.3904</u>	

COM/IND LOW WINTER USE COST OF GAS RATE - 6 <del>/01/16</del>	COGwl	<del>\$0.3066</del>	per therm
	Maximum (COG+25%)	\$0.3540	
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/16		\$0.2832	
CHANGE IN PER UNIT COST		\$0.0234	
COM/IND LOW WINTER USE COST OF GAS RATE - 06/01/16		\$0.3066	
CHANGE IN PER UNIT COST		<u>\$0.0474</u>	
COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/16		<u>\$0.3540</u>	

COM/IND HIGH WINTER USE COST OF GAS RATE - <del>06/01/16</del> 07/01/16	COGwh	<del>\$0.3853</del> <u>\$0.4327</u>	per therm
	Maximum (COG+25%)	\$0.4524	
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/16 CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATE - 06/01/16 <u>CHANGE IN PER UNIT COST</u> <u>COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/16</u>		\$0.3619 \$0.0234 \$0.3853 \$0.0474 \$0.4327	

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Senior Vice President

## Twelfth Thirteenth Revised Page 96 Superseding Eleventh Twelfth Revised Page 96

## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

SUMMER SEASON RESIDENTIAL RATES

	Summer Season May 2016 - October 2016	Tariff Rates	Total Delivery Rates (Includes LDAC)	<u>Total Billed Rates</u> Tariff Rates, LDAC Plus Cost of Gas
Residential Heating	Tariff Rate R 5: Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment:	\$21.36 \$0.5449 \$0.5449 \$0.0374	\$21.36 \$0.5823 \$0.5823	\$0.9253 \$0.9727 \$0.9253 \$0.9727
	Cost of Gas	<b>\$0.3430 <u>\$0.3904</u></b>		
Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment: Cost of Gas	\$8.54 <b>\$0.2179</b> <b>\$0.2179</b> \$0.0374 <b>\$0.3430 \$0.3904</b>	\$8.54 <b>\$0.2553</b> <b>\$0.2553</b>	<u>\$8.54</u> \$ <mark>0.5983                                    </mark>
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge First 10 therms All usage over 10 therms LDAC Gas Cost Adjustment: Cost of Gas	\$21.36 <b>\$0.4214</b> <b>\$0.4214</b> \$0.0374 <b>\$0.3430</b> <u><b>\$0.3904</b></u>	\$21.36 <b>\$0.4588</b> <b>\$0.4588</b>	\$21.36 \$0.8018 \$0.8492 \$0.8018 \$0.8492
Residential Non-Heating Low income	Tariff Rate R 11: Monthly Customer Charge First 10 therms All usage over 10 therms LDAC Gas Cost Adjustment: Cost of Gas	\$15.52 <b>\$0.3196</b> <b>\$0.3196</b> \$0.0374 <b>\$0.3430 \$0.3904</b>	\$15.52 \$0.3570 \$0.3570	\$ <u>15.52</u> \$ <del>0.7000</del> \$ <u>0.7474</u> \$ <del>0.7000</del> \$ <u>0.7474</u>

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NHPUC No. 11 - Gas NORTHERN UTILITIES, INC.

## Twelfth Thirteenth Revised Page 97 Superseding Eleventh Twelfth Revised Page 97

	Summer Season		Total	Total Billed Rates
	May 2016 - October 2016	Tariff	Delivery Rates	Tariff Rates, LDAC
	Tariff Data C 40:	Rates	(Includes LDAC)	Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40:	\$67.45	\$67.45	\$67.45
	Monthly Customer Charge First 75 therms	\$07.45 \$0.1615	\$0.1838	\$07.45 \$0.6165
			\$0.1838	• • • • • • • • • • • • • • • • • • •
	All usage over 75 therms	\$0.1615	<b>\$0.1030</b>	<del>\$0.5691</del> <u>\$0.6165</u>
	LDAC	\$0.0223		
	Gas Cost Adjustment: Cost of Gas	<del>\$0.3853</del> \$0.4327		
	Cost of Gas	<del>\$0.3633</del> <u>\$0.4327</u>		
C&I Low Annual/Low Winter	Tariff Rate G 50:			
	Monthly Customer Charge	\$67.45	\$67.45	\$67.45
	First 75 therms	\$0.1615	\$0.1838	<mark>\$0.490</mark> 4 <u>\$0.5378</u>
	All usage over 75 therms	\$0.1615	\$0.1838	<mark>\$0.490</mark> 4 <u>\$0.5378</u>
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	<del>\$0.3066</del> <u>\$0.3540</u>		
C&I Medium Annual/High Winter	Tariff Rate G 41:			
Conviction Annual right whiter	Monthly Customer Charge	\$196.73	\$196.73	\$196.73
	Monthly customer charge	\$130.73	φ130.75	\$130.75
	All usage	\$0.1622	\$0.1845	<b>\$0.5698 \$0.6172</b>
	LDAC	\$0.0223		·····
	Gas Cost Adjustment:	<b>\$0.0110</b>		
	Cost of Gas	<del>\$0.3853</del> <u>\$0.4327</u>		
C&I Medium Annual/Low Winter	Tariff Rate G 51:			
C&I Medium Annual/Low Winter		¢106 72	\$196.73	\$196.73
	Monthly Customer Charge	\$196.73	+	*
	First 1,000 therms	\$0.1183	\$0.1406	\$0.4472 \$0.4946
	All usage over 1,000 therms	\$0.0958	\$0.1181	<del>\$0.4247</del> <u>\$0.4721</u>
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	<del>\$0.3066</del> <u>\$0.3540</u>		
C&I High Annual/High Winter	Tariff Rate G 42:			
	Monthly Customer Charge	\$1,124.19	\$1,124.19	\$1,124.19
	All usage	\$0.1066	\$0.1289	<del>\$0.5142</del> <u>\$0.5616</u>
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.3853 <u>\$0.4327</u>		
C&I High Annual/Low Winter	Tariff Rate G 52:			
	Monthly Customer Charge	\$1,124.19	\$1,124.19	\$1,124.19
		*** ***	¢0.0000	
	All usage	\$0.0707	\$0.0930	<del>\$0.3996</del> <u>\$0.4470</u>
	LDAC	\$0.0223		
	Gas Cost Adjustment:			
	Cost of Gas	<del>\$0.3066</del> <u>\$0.3540</u>		

## SUMMER SEASON RESIDENTIAL RATES

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