

Northern Utilities, Inc.
New Hampshire Division
2017 / 2018 Annual Cost of Gas Filing
Winter and Summer Periods

Tariff Sheets

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New Hampshire Division
2017 / 2018 Annual Cost of Gas Filing
Winter and Summer Periods

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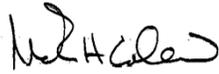
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**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 WINTER SEASON RESIDENTIAL RATES**

Winter Season November 2017 - April 2018		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	\$0.6468	\$0.7028	\$1.4131
	All usage over 50 therms	\$0.5332	\$0.5892	\$1.2995
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u>			
	Cost of Gas	\$0.7103		
Residential Heating Low Income	<u>Tariff Rate R 10:</u>			
	Monthly Customer Charge	\$8.54	\$8.54	\$8.54
	First 50 therms	\$0.2725	\$0.3285	\$1.0388
	All usage over 50 therms	\$0.2270	\$0.2830	\$0.9933
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u>			
	Cost of Gas	\$0.7103		
Residential Non-Heating	<u>Tariff Rate R 6:</u>			
	Monthly Customer Charge	\$21.36	\$21.36	\$21.36
	First 10 therms	\$0.4443	\$0.5003	\$1.2106
	All usage over 10 therms	\$0.4443	\$0.5003	\$1.2106
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u>			
	Cost of Gas	\$0.7103		
Residential Non-Heating Low Income	<u>Tariff Rate R 11:</u>			
	Monthly Customer Charge	\$15.52	\$15.52	\$15.52
	First 10 therms	\$0.3425	\$0.3985	\$1.1088
	All usage over 10 therms	\$0.3425	\$0.3985	\$1.1088
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u>			
	Cost of Gas	\$0.7103		

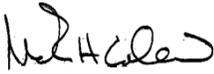
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**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 SUMMER SEASON RESIDENTIAL RATES**

Summer Season May 2018 - October 2018		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	\$0.5678	\$0.6238	\$1.0213
	All usage over 50 therms	\$0.5678	\$0.6238	\$1.0213
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u> Cost of Gas	\$0.3975		
Residential Heating Low Income	<u>Tariff Rate R 10:</u>			
	Monthly Customer Charge	\$8.54	\$8.54	\$8.54
	First 50 therms	\$0.2408	\$0.2968	\$0.6943
	All usage over 50 therms	\$0.2408	\$0.2968	\$0.6943
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u> Cost of Gas	\$0.3975		
Residential Non-Heating	<u>Tariff Rate R 6:</u>			
	Monthly Customer Charge	\$21.36	\$21.36	\$21.36
	First 10 therms	\$0.4443	\$0.5003	\$0.8978
	All usage over 10 therms	\$0.4443	\$0.5003	\$0.8978
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u> Cost of Gas	\$0.3975		
Residential Non-Heating Low Income	<u>Tariff Rate R 11:</u>			
	Monthly Customer Charge	\$15.52	\$15.52	\$15.52
	First 10 therms	\$0.3425	\$0.3985	\$0.7960
	All usage over 10 therms	\$0.3425	\$0.3985	\$0.7960
	LDAC	\$0.0560		
	<u>Gas Cost Adjustment:</u> Cost of Gas	\$0.3975		

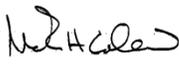
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NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
SUMMER SEASON C&I RATES

Summer Season May 2018 - October 2018		Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	<u>Tariff Rate G 40:</u> Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1844 \$0.1844 \$0.0293 \$0.4254	\$67.45 \$0.2137 \$0.2137 	\$67.45 \$0.6391 \$0.6391
C&I Low Annual/Low Winter	<u>Tariff Rate G 50:</u> Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1844 \$0.1844 \$0.0293 \$0.3543	\$67.45 \$0.2137 \$0.2137 	\$67.45 \$0.5680 \$0.5680
C&I Medium Annual/High Winter	<u>Tariff Rate G 41:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1851 \$0.0293 \$0.4254	\$196.73 \$0.2144 	\$196.73 \$0.6398
C&I Medium Annual/Low Winter	<u>Tariff Rate G 51:</u> Monthly Customer Charge First 1,000 therms All usage over 1,000 therms LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1412 \$0.1187 \$0.0293 \$0.3543	\$196.73 \$0.1705 \$0.1480 	\$196.73 \$0.5248 \$0.5023
C&I High Annual/High Winter	<u>Tariff Rate G 42:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.1295 \$0.0293 \$0.4254	\$1,124.19 \$0.1588 	\$1,124.19 \$0.5842
C&I High Annual/Low Winter	<u>Tariff Rate G 52:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.0936 \$0.0293 \$0.3543	\$1,124.19 \$0.1229 	\$1,124.19 \$0.4772

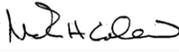
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**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 WINTER SEASON C&I RATES**

Winter Season November 2017 - April 2018		Tariff Rates	Total Delivery Rates (Includes LDAC)
C&I Low Annual/High Winter	Tariff Rate T 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1844 \$0.1844 \$0.0293	\$67.45 \$0.2137 \$0.2137
C&I Low Annual/Low Winter	Tariff Rate T 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1844 \$0.1844 \$0.0293	\$67.45 \$0.2137 \$0.2137
C&I Medium Annual/High Winter	Tariff Rate T 41: Monthly Customer Charge All usage LDAC	\$196.73 \$0.2327 \$0.0293	\$196.73 \$0.2620
C&I Medium Annual/Low Winter	Tariff Rate T 51: Monthly Customer Charge First 1,300 therms All usage over 1,300 therms LDAC	\$196.73 \$0.1749 \$0.1467 \$0.0293	\$196.73 \$0.2042 \$0.1760
C&I High Annual/High Winter	Tariff Rate T 42: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.1993 \$0.0293	\$1,124.19 \$0.2286
C&I High Annual/Low Winter	Tariff Rate T 52: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.1770 \$0.0293	\$1,124.19 \$0.2063
C&I Interruptible Transportation	Tariff Rate IT: Monthly Customer Charge First 20,000 therms All usage over 20,000 therms	\$170.21 \$0.1299 \$0.1108	\$170.21 \$0.1299 \$0.1108

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

Summer Season May 2018 - October 2018		Tariff Rates	Total Delivery Rates (Includes LDAC)
C&I Low Annual/High Winter	Tariff Rate T 40:		
	Monthly Customer Charge	\$67.45	\$67.45
	First 75 therms	\$0.1844	\$0.2137
	All usage over 75 therms	\$0.1844	\$0.2137
LDAC		\$0.0293	
C&I Low Annual/Low Winter	Tariff Rate T 50:		
	Monthly Customer Charge	\$67.45	\$67.45
	First 75 therms	\$0.1844	\$0.2137
	All usage over 75 therms	\$0.1844	\$0.2137
LDAC		\$0.0293	
C&I Medium Annual/High Winter	Tariff Rate T 41:		
	Monthly Customer Charge	\$196.73	\$196.73
	All usage	\$0.1851	\$0.2144
LDAC		\$0.0293	
C&I Medium Annual/Low Winter	Tariff Rate T 51:		
	Monthly Customer Charge	\$196.73	\$196.73
	First 1,000 therms	\$0.1412	\$0.1705
	All usage over 1,000 therms	\$0.1154	\$0.1447
LDAC		\$0.0293	
C&I High Annual/High Winter	Tariff Rate T 42:		
	Monthly Customer Charge	\$1,124.19	\$1,124.19
	All usage	\$0.1295	\$0.1588
LDAC		\$0.0293	
C&I High Annual/Low Winter	Tariff Rate T 52:		
	Monthly Customer Charge	\$1,124.19	\$1,124.19
	All usage	\$0.0936	\$0.1229
LDAC		\$0.0293	
C&I Interruptible Transportation	Tariff Rate IT:		
	Monthly Customer Charge	\$170.21	\$170.21
	First 20,000 therms	\$0.0407	\$0.0407
	All usage over 20,000 therms	\$0.0347	\$0.0347

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Anticipated Cost of Gas
New Hampshire Division
Period Covered: November 1, 2017 - April 30, 2018

(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>		
Purchased Gas:		
Demand Costs:	\$2,736,659	
Supply Costs:	\$8,821,653	
Storage & Peaking Gas:		
Demand, Capacity:	\$8,330,279	
Commodity Costs:	\$5,967,050	
Hedging (Gain)/Cost	\$112,028	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$3,454	
Capacity Release, & Asset Management	(\$1,894,561)	
Off-system Peaking Demand Cost Adjustment	\$ (44,199)	
Total Anticipated Direct Cost of Gas		<u>\$24,032,363</u>
<u>ANTICIPATED INDIRECT COST OF GAS</u>		
Adjustments:		
Prior Period Under/(Over) Collection	(\$292,077)	
Interest	(\$25,703)	
Refunds	\$0	
<u>Interruptible Margins</u>	<u>\$0</u>	
Total Adjustments		(\$317,780)
Working Capital:		
Total Anticipated Direct Cost of Gas	\$24,032,363	
Working Capital Percentage	<u>0.1077%</u>	
Working Capital Allowance	\$ 25,884	
Plus: Working Capital Reconciliation (Acct 182.11)	<u>\$2,771</u>	
Total Working Capital Allowance		\$28,656
Bad Debt:		
Bad Debt Allowance	\$184,403	
Plus: Bad Debt Reconciliation (Acct 182.16)	(\$3,161)	
Total Bad Debt Allowance		\$181,243
Local Production and Storage Capacity		\$420,658
Miscellaneous Overhead-81.59% Allocated to WinterSeason		\$418,262
Total Anticipated Indirect Cost of Gas		\$731,039
Total Cost of Gas		<u>\$24,763,402</u>

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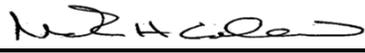
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Anticipated Cost of Gas
New Hampshire Division
Period Covered: May 1, 2018 - October 31, 2018

(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>		
Purchased Gas:		
Demand Costs:	\$592,766	
Supply Costs:	\$2,119,016	
Storage & Peaking Gas:		
Demand, Capacity:	\$370,493	
Commodity Costs:	\$29,837	
Hedging (Gain)/Cost	\$0	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$0	
Capacity Release, & Asset Management	\$0	
Total Anticipated Direct Cost of Gas		<u>\$3,112,112</u>
<u>ANTICIPATED INDIRECT COST OF GAS</u>		
Adjustments:		
Prior Period Under/(Over) Collection	(\$65,925)	
Interest	(\$27,527)	
Refunds	\$0	
<u>Interruptible Margins</u>	\$0	
Total Adjustments		(\$93,452)
Working Capital:		
Total Anticipated Direct Cost of Gas	\$3,112,112	
Working Capital Percentage	<u>0.1077%</u>	
Working Capital Allowance	\$3,352	
Plus: Working Capital Reconciliation (Acct 182.11)	\$626	
Total Working Capital Allowance		\$3,977
Bad Debt:		
Bad Debt Allowance	\$11,146	
Plus: Bad Debt Reconciliation (Acct 182.16)	(\$713)	
Total Bad Debt Allowance		\$10,433
Local Production and Storage Capacity		\$0
Miscellaneous Overhead-18.41% Allocated to the Summer Season		\$94,406
Total Anticipated Indirect Cost of Gas		\$15,364
Total Cost of Gas		<u>\$3,127,475</u>

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CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2017 - April 30, 2018

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$24,032,363	
Projected Prorated Sales (11/01/17 - 04/30/18)	34,865,979	
Direct Cost of Gas Rate		\$0.6893 per therm
Demand Cost of Gas Rate	\$9,128,178	\$0.2618 per therm
Commodity Cost of Gas Rate	\$14,904,185	\$0.4275 per therm
Total Direct Cost of Gas Rate	\$37,966,081	\$0.6893 per therm
Total Anticipated Indirect Cost of Gas	\$731,226	
Projected Prorated Sales (11/01/17 - 04/30/18)	34,865,979	
Indirect Cost of Gas		\$0.0210 per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.7103 per therm

RESIDENTIAL COST OF GAS RATE -11/01/17	COGwr	\$0.7103 per therm
	Maximum (COG+25%)	\$0.8879

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/17	COGwl	\$0.6224 per therm
	Maximum (COG+25%)	\$0.7780

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$349,557
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	\$57,241
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$406,798
C&I HLF PROJECTED PRORATED SALES (11/01/17 - 04/30/18)	2,448,624
DEMAND COST OF GAS RATE	\$0.1661
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$1,066,497
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$584)
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$1,065,913
C&I HLF PROJECTED PRORATED SALES (11/01/17 - 04/30/18)	2,448,624
COMMODITY COST OF GAS RATE	\$0.4353
INDIRECT COST OF GAS	\$0.0210
TOTAL C&I HLF COST OF GAS RATE	\$0.6224

COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/17	COGwh	\$0.7236 per therm
	Maximum (COG+25%)	\$0.9045

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$3,841,918
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$629,123
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$4,471,041
C&I LLF PROJECTED PRORATED SALES (11/01/17 - 04/30/18)	16,182,767
DEMAND COST OF GAS RATE	\$0.2763
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$6,902,243
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$3,782)
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$6,898,461
C&I LLF PROJECTED PRORATED SALES (11/01/17 - 04/30/18)	16,182,767
COMMODITY COST OF GAS RATE	\$0.4263
INDIRECT COST OF GAS	\$0.0210
TOTAL C&I LLF COST OF GAS RATE	\$0.7236

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2018 - October 31, 2018

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$3,112,112	
Projected Prorated Sales (05/01/18 - 10/31/18)	7,869,571	
Direct Cost of Gas Rate		\$0.3955 per therm
Demand Cost of Gas Rate	\$963,258	\$0.1224 per therm
Commodity Cost of Gas Rate	<u>\$2,148,854</u>	<u>\$0.2731</u> per therm
Total Direct Cost of Gas Rate	\$3,112,112	\$0.3955 per therm
Total Anticipated Indirect Cost of Gas	\$15,364	
Projected Prorated Sales (05/01/18 - 10/31/18)	7,869,571	
Indirect Cost of Gas		\$0.0020 per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.3975 per therm

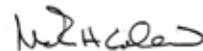
RESIDENTIAL COST OF GAS RATE -05/01/18	COGwr	\$0.3975 per therm
	Maximum (COG+25%)	\$0.4969

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/18	COGwl	\$0.3543 per therm
	Maximum (COG+25%)	\$0.4429

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$125,955
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	<u>\$13,376</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$139,331
C&I HLF PROJECTED PRORATED SALES (05/01/18 - 10/31/18)	1,757,926
DEMAND COST OF GAS RATE	\$0.0793
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$480,017
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>(\$55)</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$479,961
C&I HLF PROJECTED PRORATED SALES (05/01/18 - 10/31/18)	1,757,926
COMMODITY COST OF GAS RATE	\$0.2730
INDIRECT COST OF GAS	\$0.0020
TOTAL C&I HLF COST OF GAS RATE	\$0.3543

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/18	COGwh	\$0.4254 per therm
	Maximum (COG+25%)	\$0.5318

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$368,794
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$39,165</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$407,959
C&I LLF PROJECTED PRORATED SALES (05/01/18 - 10/31/18)	2,713,210
DEMAND COST OF GAS RATE	\$0.1504
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$740,865
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$85)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$740,780
C&I LLF PROJECTED PRORATED SALES (05/01/18 - 10/31/18)	2,713,210
COMMODITY COST OF GAS RATE	\$0.2730
INDIRECT COST OF GAS	\$0.0020
TOTAL C&I LLF COST OF GAS RATE	\$0.4254



Local Delivery Adjustment Clause

Rate Schedule	RLIARA	EEC	LRR	ERC	ITM	RCE	RPC	LDAC
Residential Heating	\$0.0039	\$0.0433	\$0.0028	\$0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0560
Residential Non-Heating	\$0.0039	\$0.0433	\$0.0028	\$0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0560
Small C&I	\$0.0039	\$0.0184	\$0.0010	\$0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0293
Medium C&I	\$0.0039	\$0.0184	\$0.0010	\$0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0293
Large C&I	\$0.0039	\$0.0184	\$0.0010	\$0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0293
No Previous Sales Service								

Issued: September 18, 2017

Effective: With Service Rendered On and After November 1, 2017

Authorized by NHPUC Order No. ___ in Docket No. ___, dated ___

Issued by:



Title:

Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX A

Schedule of Administrative Fees and Charges

I. Supplier Balancing Charge: \$0.75 per MMBtu of Daily Imbalance Volumes

- Updated effective every November 1 to reflect the Company’s latest balancing resources and associated capacity costs.
- Daily Imbalance Volumes represent the difference between ATV and ATV adjusted for actual EDDs.

II. Peaking Service Demand Charge: \$ 35.51 per MMBtu per MDPQ per month for November 2017 through April 2018.

- Updated effective every November 1 to reflect the Company’s Peaking resources and associated costs.

III. Company Allowance Calculation: 1.26% - Provided in Attachment 3 to Schedule 10

IV. Supplier Services and Associated Fees:

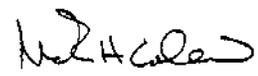
<u>SERVICE</u>	<u>PRICING</u>
Pool Administration (required) Non-Daily Metered Pools only	• \$0.10/month/customer billed @ marketer level
Standard Passthrough Billing (required)	• \$0.60/customer/month billed @ marketer level
Standard Complete Billing (optional – Passthrough Billing fee not required if this service is elected)	• \$1.50/customer/month billed @ marketer level
Customer Administration (required)	• \$10/customer/switch billed @ marketer level

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VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX C

Capacity Allocators

Capacity Allocators shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Capacity Allocators shall be applicable for capacity assignments during the period of November 1, 2017 through October 31, 2018.

Commercial and Industrial

	<u>High Winter Use</u>	<u>Low Winter Use</u>
Pipeline:	15.54%	60.13%
Storage:	31.09%	14.67%
Peaking:	53.37%	25.20%

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VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX D

**Firm Sales Service Re-Entry Fee Bill Adjustment
(continued)**

The Re-Entry Fee shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Firm Sales Service Re-Entry Fee Unit Charge shall be applicable for the period of November 1, 2017 through October 31, 2018.

Effective Dates:	November 1, 2017 – October 31, 2018
Annual Average Unit Cost:	\$ 257.69
25% - Annual Charge for Re-Entry Fee:	\$ 64.42
Monthly Unit Charge for Re-Entry Fee:	\$ 5.37

Issued: September 18, 2017

Effective: November 1, 2017

Authorized by NHPUC Order No. _____ in Docket No. DG 17 - ____, dated _____.

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Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS (continued)

Appendix D

**Re-entry Surcharge and Conversion Surcharge
(continued)**

D. Information to be Filed with the Commission:

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, 2017 through April 30, 2018 and May 1, 2018 through October 2018.

Effective Dates:	November 1, 2017 – April 30, 2018	May 1, 2018 – October 30, 2018
Re-entry Surcharge:	\$0.0082 per therm	\$0.0085 per therm
Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):	\$0.0510 per therm	\$0.0085 per therm
Conversion Surcharge, High Load Factor (G-50, G-51, G-52):	\$0.1522 per therm	\$0.0085 per therm

Issued: September 18, 2017

Effective: November 1, 2017

Issued by:

Title: 
Senior Vice President

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

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
WINTER SEASON RESIDENTIAL RATES

	Winter Season November 2016 7 - April 2017 8	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates 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: Cost of Gas	\$21.36 \$0.6239 \$0.6468 \$0.5403 \$0.5332 \$0.0489 \$0.0560 \$0.8286 \$0.7103	\$21.36 \$0.6728 \$0.7028 \$0.5592 \$0.5892	\$21.36 \$1.5014 \$1.4131 \$1.3878 \$1.2995
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 \$0.2496 \$0.2725 \$0.2044 \$0.2270 \$0.0489 \$0.0560 \$0.8286 \$0.7103	\$8.54 \$0.2985 \$0.3285 \$0.2530 \$0.2830	\$8.54 \$1.1271 \$1.0388 \$1.0816 \$0.9933
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 \$0.4214 \$0.4443 \$0.4214 \$0.4443 \$0.0489 \$0.0560 \$0.8286 \$0.7103	\$21.36 \$0.4703 \$0.5003 \$0.4703 \$0.5003	\$21.36 \$1.2989 \$1.2106 \$1.2989 \$1.2106
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 \$0.3496 \$0.3425 \$0.3496 \$0.3425 \$0.0489 \$0.0560 \$0.8286 \$0.7103	\$15.52 \$0.3685 \$0.3985 \$0.3685 \$0.3985	\$15.52 \$1.1974 \$1.1088 \$1.1974 \$1.1088

Issued: September 16, 2016-18, 2017

Effective Date: November 1, 2016-2017

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NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
SUMMER-SEASON RESIDENTIAL RATES

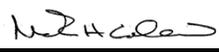
Summer Season May 2017 8 - October 2017 8	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
Residential Heating Tariff Rate R 5: Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment: Cost of Gas	\$21.36 \$0.5449 \$0.5678 \$0.5449 \$0.5678 \$0.0489 \$0.0560 \$0.4055 \$0.3975	\$21.36 \$0.5938 \$0.6238 \$0.5938 \$0.6238	\$21.36 \$0.9993 \$1.0213 \$0.9993 \$1.0213
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 \$0.2179 \$0.2408 \$0.2179 \$0.2408 \$0.0489 \$0.0560 \$0.4055 \$0.3975	\$8.54 \$0.2668 \$0.2968 \$0.2668 \$0.2968	\$8.54 \$0.6723 \$0.6943 \$0.6723 \$0.6943
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 \$0.4214 \$0.4443 \$0.4214 \$0.4443 \$0.0489 \$0.0560 \$0.4055 \$0.3975	\$21.36 \$0.4703 \$0.5003 \$0.4703 \$0.5003	\$21.36 \$0.8758 \$0.8978 \$0.8758 \$0.8978
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 \$0.3196 \$0.3425 \$0.3196 \$0.3425 \$0.0489 \$0.0560 \$0.4055 \$0.3975	\$15.52 \$0.3685 \$0.3985 \$0.3685 \$0.3985	\$15.52 \$0.7740 \$0.7960 \$0.7740 \$0.7960

Issued:- September 16, 2016 18, 2017

Effective Date: May 1, 2017-2018

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Title:

Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
WINTER SEASON RESIDENTIAL RATES

Winter Season November 2016 7 - April 2017 8	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter Tariff Rate G 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1844 \$0.1615 \$0.1844 \$0.0296 \$0.0293 \$0.8424 \$0.7236	\$67.45 \$0.1911 \$0.2137 \$0.1911 \$0.2137	\$67.45 \$1.0335 \$0.9373 \$1.0335 \$0.9373
C&I Low Annual/Low Winter Tariff Rate G 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1844 \$0.1615 \$0.1844 \$0.0296 \$0.0293 \$0.7529 \$0.6224	\$67.45 \$0.1911 \$0.2137 \$0.1911 \$0.2137	\$67.45 \$0.9440 \$0.8361 \$0.9440 \$0.8361
C&I Medium Annual/High Winter Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.2098 \$0.2327 \$0.0296 \$0.0293 \$0.8424 \$0.7236	\$196.73 \$0.2394 \$0.2620	\$196.73 \$1.0818 \$0.9856
C&I Medium Annual/Low Winter Tariff Rate G 51: Monthly Customer Charge First 1,000 1,300 therms All usage over 1,000 1,300 therms LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1520 \$0.1749 \$0.1238 \$0.1467 \$0.0296 \$0.0293 \$0.7529 \$0.6224	\$196.73 \$0.1816 \$0.2042 \$0.1534 \$0.1760	\$196.73 \$0.9345 \$0.8266 \$0.9063 \$0.7984
C&I High Annual/High Winter Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.1764 \$0.1993 \$0.0296 \$0.0293 \$0.8424 \$0.7236	\$1,124.19 \$0.2060 \$0.2286	\$1,124.19 \$1.0484 \$0.9522
C&I High Annual/Low Winter Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.1541 \$0.1770 \$0.0296 \$0.0293 \$0.7529 \$0.6224	\$1,124.19 \$0.1837 \$0.2063	\$1,124.19 \$0.9366 \$0.8287

Issued: September ~~16, 2016~~ 18, 2017
Effective Date: November 1, ~~2016~~ 2017
Authorized by NHPUC Order No. in Docket No. DG 17-, dated

Issued by:
Title:


Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
SUMMER-SEASON RESIDENTIAL RATES

Summer Season November 2016 7 - April 2017 8	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter Tariff Rate G 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1844 \$0.1615 \$0.1844 \$0.0296 \$0.0293 \$0.4465 \$0.4254	\$67.45 \$0.1911 \$0.2137 \$0.1911 \$0.2137	\$67.45 \$0.6376 \$0.6391 \$0.6376 \$0.6391
C&I Low Annual/Low Winter Tariff Rate G 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment: Cost of Gas	\$67.45 \$0.1615 \$0.1844 \$0.1615 \$0.1844 \$0.0296 \$0.0293 \$0.3589 \$0.3543	\$67.45 \$0.1911 \$0.2137 \$0.1911 \$0.2137	\$67.45 \$0.5500 \$0.5680 \$0.5500 \$0.5680
C&I Medium Annual/High Winter Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1622 \$0.1851 \$0.0296 \$0.0293 \$0.4465 \$0.4254	\$196.73 \$0.1918 \$0.2144	\$196.73 \$0.6383 \$0.6398
C&I Medium Annual/Low Winter Tariff Rate G 51: Monthly Customer Charge First 1,000 1,300 therms All usage over 1,000 1,300 therms LDAC Gas Cost Adjustment: Cost of Gas	\$196.73 \$0.1183 \$0.1412 \$0.0958 \$0.1187 \$0.0296 \$0.0293 \$0.3589 \$0.3543	\$196.73 \$0.1479 \$0.1705 \$0.1254 \$0.1480	\$196.73 \$0.5068 \$0.5248 \$0.4843 \$0.5023
C&I High Annual/High Winter Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.1066 \$0.1295 \$0.0296 \$0.0293 \$0.4465 \$0.4254	\$1,124.19 \$0.1362 \$0.1588	\$1,124.19 \$0.5827 \$0.5842
C&I High Annual/Low Winter Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,124.19 \$0.0707 \$0.0936 \$0.0296 \$0.0293 \$0.3589 \$0.3543	\$1,124.19 \$0.1003 \$0.1229	\$1,124.19 \$0.4592 \$0.4772

Issued:- September 16, 2016 18, 2017
Effective Date: May 1, 2016-2018
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Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
WINTER SEASON RESIDENTIAL RATES

Winter Season November 2016 - May 2017 November 2017 - May 2018		Tariff Rates		Total Delivery Rates (Includes LDAC)	
C&I Low Annual/High Winter	Tariff Rate T 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1615 <u>\$0.1844</u> \$0.1615 <u>\$0.1844</u>		\$67.45 \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u>	
C&I Low Annual/Low Winter	Tariff Rate T 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1615 <u>\$0.1844</u> \$0.1615 <u>\$0.1844</u>		\$67.45 \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u>	
C&I Medium Annual/High Winter	Tariff Rate T 41: Monthly Customer Charge All usage LDAC	\$196.73 \$0.2098 <u>\$0.2327</u>		\$196.73 \$0.2394 <u>\$0.2620</u>	
C&I Medium Annual/Low Winter	Tariff Rate T 51: Monthly Customer Charge First 1,300 therms All usage over 1,300 therms LDAC	\$196.73 \$0.1520 <u>\$0.1749</u> \$0.1238 <u>\$0.1467</u>		\$196.73 \$0.1816 <u>\$0.2042</u> \$0.1534 <u>\$0.1760</u>	
C&I High Annual/High Winter	Tariff Rate T 42: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.1764 <u>\$0.1993</u>		\$1,124.19 \$0.2060 <u>\$0.2286</u>	
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.1544 <u>\$0.1770</u>		\$1,124.19 \$0.1837 <u>\$0.2063</u>	
C&I Interruptible Transportation	Tariff Rate IT: Monthly Customer Charge First 20,000 therms All usage over 20,000 therms	\$170.21 \$0.1299 \$0.1108		\$170.21 \$0.1299 \$0.1108	

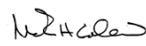
Issued: September ~~16, 2016~~ 18, 2017

Effective Date: November 1, ~~2016~~ 2017

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Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
SUMMER-SEASON RESIDENTIAL RATES

Summer Season May 2017 8 - October 2017 8		Tariff Rates	Total Delivery Rates (Includes LDAC)
C&I Low Annual/High Winter	Tariff Rate T 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1615 <u>\$0.1844</u> \$0.1615 <u>\$0.1844</u> \$0.0296 <u>\$0.0293</u>	\$67.45 \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u>
C&I Low Annual/Low Winter	Tariff Rate T 50: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC	\$67.45 \$0.1615 <u>\$0.1844</u> \$0.1615 <u>\$0.1844</u> \$0.0296 <u>\$0.0293</u>	\$67.45 \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u> \$0.1911 <u>\$0.2137</u>
C&I Medium Annual/High Winter	Tariff Rate T 41: Monthly Customer Charge All usage LDAC	\$196.73 \$0.1622 <u>\$0.1851</u> \$0.0296 <u>\$0.0293</u>	\$196.73 \$0.1918 <u>\$0.2144</u> \$0.1918 <u>\$0.2144</u>
C&I Medium Annual/Low Winter	Tariff Rate T 51: Monthly Customer Charge First 1,000 therms All usage over 1,000 therms LDAC	\$196.73 \$0.1183 <u>\$0.1412</u> \$0.0925 <u>\$0.1154</u> \$0.0296 <u>\$0.0293</u>	\$196.73 \$0.1479 <u>\$0.1705</u> \$0.1221 <u>\$0.1447</u> \$0.1221 <u>\$0.1447</u>
C&I High Annual/High Winter	Tariff Rate T 42: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.1066 <u>\$0.1295</u> \$0.0296 <u>\$0.0293</u>	\$1,124.19 \$0.1362 <u>\$0.1588</u> \$0.1362 <u>\$0.1588</u>
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC	\$1,124.19 \$0.0707 <u>\$0.0936</u> \$0.0296 <u>\$0.0293</u>	\$1,124.19 \$0.1003 <u>\$0.1229</u> \$0.1003 <u>\$0.1229</u>
C&I Interruptible Transportation	Tariff Rate IT: Monthly Customer Charge First 20,000 therms All usage over 20,000 therms	\$170.21 \$0.0407 \$0.0347	\$170.21 \$0.0407 \$0.0347

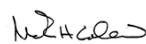
Issued: September 16, 2016 ~~18, 2017~~

Effective Date: May 1, 2016 ~~2018~~

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Senior Vice President

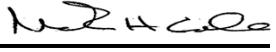
Anticipated Cost of Gas

New Hampshire Division

Period Covered: November 1, 2016~~7~~ - October 31, 2017~~8~~

(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>		
Purchased Gas:		
Demand Costs:	\$ 2,760,644	\$ 2,736,659
Supply Costs:	\$ 9,964,565	\$ 8,821,653
Storage & Peaking Gas:		
Demand, Capacity:	\$ 9,240,209	\$ 8,330,279
Commodity Costs:	\$ 3,496,207	\$ 5,967,050
Hedging (Gain)/Loss	\$ 64,809	\$ 112,028
Interruptible Included Above	\$ —	\$ -
Inventory Finance Charge	\$ 2,038	\$ 3,454
Capacity Release	\$ (3,672,857)	\$ (1,894,561)
Off-system Peaking Demand Cost Adjustment	\$	(44,199)
Total Anticipated Direct Cost of Gas	\$ 21,855,615	\$ 24,032,363
<u>ANTICIPATED INDIRECT COST OF GAS</u>		
Adjustments:		
Prior Period Under/(Over) Collection	\$ 850,112	\$ (292,077)
NH PUC Consultant Costs	\$ 20,828	
Interest	\$ (901)	\$ (25,703)
Refunds	\$ —	\$ -
<u>Interruptible Margins</u>	<u>\$ —</u>	<u>\$ -</u>
Total Adjustments	\$ 870,039	\$ (317,780)
Working Capital:		
Total Anticipated Direct Cost of Gas	\$ 21,855,615	\$ 24,032,363
Working Capital Percentage	0.887%	<u>0.1077%</u>
Working Capital Allowance	\$ 19,386	\$ <u>25,884</u>
Plus: Working Capital Reconciliation (Acct 182.11)	\$ 654	\$ <u>2,771</u>
Total Working Capital Allowance	\$ 20,037	\$ 28,656
Bad Debt:		
Bad Debt Allowance	\$ 187,199	\$ 184,403
Plus: Bad Debt Reconciliation (Acct 182.16)	\$ 82,676	\$ (3,161)
Total Bad Debt Allowance	\$ 269,875	\$ 181,243
Local Production and Storage Capacity	\$ 420,658	\$ 420,658
Miscellaneous Overhead-22.99<u>79.76</u>% Allocated to Summer <u>Winter</u> Season	\$ 408,908	\$ <u>418,262</u>
Total Anticipated Indirect Cost of Gas	\$ 1,989,516	\$ 731,039
Total Cost of Gas	\$ 23,845,132	\$ <u>24,763,402</u>

Issued: ~~September 16, 2016~~ September 18, 2017
Effective Date: November 1, 2016~~7~~

Issued By: 
Senior Vice President

Anticipated Cost of Gas
New Hampshire Division
Period Covered: May 1, 2017g - October 31, 2017g

(Col 1)	(Col 2)	(Col 2)	(Col 3)	(Col 3)
ANTICIPATED DIRECT COST OF GAS				
Purchased Gas:				
Demand Costs:	\$437,194	\$592,766		
Supply Costs:	\$2,032,100	\$2,119,016		
Storage & Peaking Gas:				
Demand, Capacity:	\$401,228	\$370,493		
Commodity Costs:	\$29,565	\$29,837		
Hedging (Gain)/Cost	\$0	\$0		
Interruptible Included Above	\$0	\$0		
Inventory Finance Charge	\$0	\$0		
Capacity Release, & Asset Management	\$0	\$0		
Total Anticipated Direct Cost of Gas			\$2,900,087	\$3,112,112
ANTICIPATED INDIRECT COST OF GAS				
Adjustments:				
Prior Period Under/(Over) Collection	\$215,716	(\$65,925)		
NH PUC Consultant Costs	\$2,169	\$0		
Interest	(\$17,900)	(\$27,527)		
Refunds	\$0	\$0		
Interruptible Margins	\$0	\$0		
Total Adjustments			\$199,985	(\$93,452)
Working Capital:				
Total Anticipated Direct Cost of Gas	\$2,900,087	\$3,112,112		
Working Capital Percentage	0.0087%	\$0		
Working Capital Allowance	\$2,572	\$3,352		
Plus: Working Capital Reconciliation (Acct 182.11)	\$165	\$626		
Total Working Capital Allowance			\$2,738	\$3,977
Bad Debt:				
Bad Debt Allowance	\$18,846	\$11,146		
Plus: Bad Debt Reconciliation (Acct 182.16)	\$20,979	(\$713)		
Total Bad Debt Allowance			\$39,825	\$10,433
Local Production and Storage Capacity			\$0	\$0
Miscellaneous Overhead-20.2418.41% Allocated to the Summer Season			\$103,760	\$94,406
Total Anticipated Indirect Cost of Gas			\$346,308	\$15,364
Total Cost of Gas			\$3,246,395	\$3,127,475

Issued: September 16, 2016-18, 2017

Effective Date: May 1, 2017, 2018

Authorized by NHPUC Order No. _____, in Docket No. DG 17-_____, dated _____, 2017


 Senior Vice President

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2016 - April 30, 2017

(Col 1)	(Col 2)	(Col 3)	
Total Anticipated Direct Cost of Gas	\$21,855,616	\$24,032,363	
Projected Prorated Sales (11/01/16 - 04/30/17) (11/01/17 - 04/30/18)	34,549,237	34,865,979	
Direct Cost of Gas Rate			\$0.6927 \$0.6893 per therm
Demand Cost of Gas Rate	\$8,327,997	\$9,128,178	\$0.2640 \$0.2618 per therm
Commodity Cost of Gas Rate	\$43,527,649	\$14,904,185	\$0.4287 \$0.4275 per therm
Total Direct Cost of Gas Rate	\$24,855,645	\$24,032,363	\$0.6927 \$0.6893 per therm
Total Anticipated Indirect Cost of Gas	\$1,989,516	\$731,226	
Projected Prorated Sales (11/01/16 - 04/30/17) (11/01/17 - 04/30/18)	34,549,237	34,865,979	
Indirect Cost of Gas			\$0.0634 \$0.0210 per therm
TOTAL PERIOD AVERAGE COST OF GAS			\$0.7558 \$0.7103 per therm
Period ending over-collection as determined on 11/21/16	(\$672,842)		
Projected sales (12/01/16 - 04/30/17)	27,653,599		
Per unit change in Cost of Gas (12/01/16 - 04/30/17)	(\$0.0243)		
* Over-collection w/o rate adjustment as contained in NUI's COG Report dated November 21, 2016			
Period Ending over-collection as determined on 12/16/16	\$870,133		
Projected Sales (01/01/17 - 04/30/17)	22,082,929		
Per unit change in Cost of Gas (01/01/17 - 04/30/17)	\$0.0394		
* Over-collection w/o rate adjustment as contained in NUI's COG Report dated December 16, 2016			
Period Ending over-collection as determined on 02/22/17	(\$875,279)		
Projected Sales (03/01/17 - 04/30/17)	8,147,233		
Per unit change in Cost of Gas (03/01/17 - 04/30/17)	(\$0.1074)		
* Over-collection w/o rate adjustment as contained in NUI's COG Report dated February 22, 2017			
Period Ending over-collection as determined on 03/24/17	\$481,366		
Projected Sales (04/01/17 - 04/30/17)	2,913,032		
Per unit change in Cost of Gas (04/01/17 - 04/30/17)	\$0.1652		
* Over-collection w/o rate adjustment as contained in NUI's COG Report dated March 24, 2017			
RESIDENTIAL COST OF GAS RATE - 04/01/17-11/01/17	COGwr	\$0.8286	\$0.7103 per therm
	Maximum (COG+25%)	\$0.9448	\$0.8879
RESIDENTIAL COST OF GAS RATE - 11/01/16			\$0.7558
CHANGE IN PER UNIT COST			(\$0.0243)
RESIDENTIAL COST OF GAS RATE - 12/01/16			\$0.7315
CHANGE IN PER UNIT COST			\$0.0394
RESIDENTIAL COST OF GAS RATE - 01/01/17			\$0.7709
CHANGE IN PER UNIT COST			(\$0.1074)
RESIDENTIAL COST OF GAS RATE - 03/01/17			\$0.6634
CHANGE IN PER UNIT COST			\$0.1652
RESIDENTIAL COST OF GAS RATE - 04/01/17			\$0.8286
COM/IND LOW WINTER USE COST OF GAS RATE - 04/01/17-11/01/17	COGwl	\$0.7529	\$0.6380 per therm
	Maximum (COG+25%)	\$0.8501	\$0.7975
COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/16			\$0.6801
CHANGE IN PER UNIT COST			(\$0.0243)
COM/IND LOW WINTER USE COST OF GAS RATE - 12/01/16			\$0.6558
CHANGE IN PER UNIT COST			\$0.0394
COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/17			\$0.6952
CHANGE IN PER UNIT COST			(\$0.1074)
COM/IND LOW WINTER USE COST OF GAS RATE - 03/01/17			\$0.5877
CHANGE IN PER UNIT COST			\$0.1652
COM/IND LOW WINTER USE COST OF GAS RATE - 04/01/17			\$0.7529
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$382,221		
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	\$66,032		
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$448,254		
C&I HLF PROJECTED PRORATED SALES (11/1/16-04/30/17)	2,570,611		
DEMAND COST OF GAS RATE	\$0.1744		
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$1,139,040		
PLUS: RESIDENTIAL COMMODITY COSTS	(\$1,261)		
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$1,137,779		
C&I HLF PROJECTED PRORATED SALES (11/1/16-04/30/17)	2,570,611		
COMMODITY COST OF GAS RATE	\$0.4426		
INDIRECT COST OF GAS	\$0.0210		
TOTAL C&I HLF COST OF GAS RATE	\$0.6380		
COM/IND HIGH WINTER USE COST OF GAS RATE - 04/01/17-11/01/17	COGwh	\$0.8424	\$0.7275 per therm
	Maximum (COG+25%)	\$0.9620	\$0.9094
COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/16			\$0.7696
CHANGE IN PER UNIT COST			(\$0.0243)
COM/IND HIGH WINTER USE COST OF GAS RATE - 12/01/16			\$0.7453
CHANGE IN PER UNIT COST			\$0.0394
COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/17			\$0.7847
CHANGE IN PER UNIT COST			(\$0.1074)
COM/IND HIGH WINTER USE COST OF GAS RATE - 03/01/17			\$0.6772
CHANGE IN PER UNIT COST			\$0.1652
COM/IND HIGH WINTER USE COST OF GAS RATE - 04/01/17			\$0.8424
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$3,393,311		
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$586,225		
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$3,979,536		
C&I LLF PROJECTED PRORATED SALES (11/01/16-04/30/17)	14,203,338		
DEMAND COST OF GAS RATE	\$0.2802		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$6,061,232		
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$6,710)		
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$6,054,522		
C&I LLF PROJECTED PRORATED SALES (11/01/16-04/30/17)	14,203,338		
COMMODITY COST OF GAS RATE	\$0.4263		
INDIRECT COST OF GAS	\$0.0210		
TOTAL C&I LLF COST OF GAS RATE	\$0.7275		

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: ~~May 1, 2017~~ - ~~October 31, 2017~~

(Col 1)	(Col 2)	(Col 2)	(Col 3)	(Col 3)
Total Anticipated Direct Cost of Gas	\$2,900,087	\$3,112,112		
Projected Prorated Sales (05/01/17 - 10/31/17) (05/01/18 - 10/31/18)	<u>8,005,603</u>	<u>7,869,571</u>		
Direct Cost of Gas Rate			\$0.3623	\$0.3955 per therm
Demand Cost of Gas Rate	\$838,422	\$963,258	\$0.1047	\$0.1224 per therm
Commodity Cost of Gas Rate	\$2,064,665	\$2,148,854	\$0.2675	\$0.2731 per therm
Total Direct Cost of Gas Rate	\$2,900,087	\$3,112,112	\$0.3622	\$0.3955 per therm
Total Anticipated Indirect Cost of Gas	\$346,308	\$15,364		
Projected Prorated Sales (05/01/17 - 10/31/17) (05/01/18 - 10/31/18)	<u>8,005,603</u>	<u>7,869,571</u>		
Indirect Cost of Gas			\$0.0433	\$0.0020 per therm
TOTAL PERIOD AVERAGE COST OF GAS			\$0.4055	\$0.3975 per therm

RESIDENTIAL COST OF GAS RATE - 05/01/17	COGwr	\$0.4055	\$0.3975 per therm
	Maximum (COG+25%)	\$0.5069	

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/17	COGwl	\$0.3589	\$0.3543 per therm
	Maximum (COG+25%)	\$0.4486	

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$108,194	\$125,955
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	<u>\$16,122</u>	<u>\$13,376</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	<u>\$124,313</u>	<u>\$139,331</u>
C&I HLF PROJECTED PRORATED SALES (05/01/17 - 10/31/17)	<u>2,440,549</u>	<u>1,757,926</u>
DEMAND COST OF GAS RATE	\$0.0584	\$0.0793
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$554,254	\$480,017
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>\$44</u>	<u>(\$55)</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	<u>\$554,295</u>	<u>\$479,961</u>
C&I HLF PROJECTED PRORATED SALES (05/01/17 - 10/31/17)	<u>2,440,549</u>	<u>1,757,926</u>
COMMODITY COST OF GAS RATE	\$0.2575	\$0.2730
INDIRECT COST OF GAS	\$0.0433	\$0.0020
TOTAL C&I HLF COST OF GAS RATE	\$0.3589	\$0.3543

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/17	COGwh	\$0.4465	\$0.4254 per therm
	Maximum (COG+25%)	\$0.5584	

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$309,243	\$368,794
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$46,083</u>	<u>\$39,165</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	<u>\$355,326</u>	<u>\$407,959</u>
C&I LLF PROJECTED PRORATED SALES (05/01/17 - 10/31/17)	<u>2,438,282</u>	<u>2,713,210</u>
DEMAND COST OF GAS RATE	\$0.1457	\$0.1504
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$627,925	\$740,865
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>\$51</u>	<u>(\$85)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	<u>\$627,976</u>	<u>\$740,780</u>
C&I LLF PROJECTED PRORATED SALES (05/01/17 - 10/31/17)	<u>2,438,282</u>	<u>2,713,210</u>
COMMODITY COST OF GAS RATE	\$0.2575	\$0.2730
INDIRECT COST OF GAS	\$0.0433	\$0.0020
TOTAL C&I LLF COST OF GAS RATE	\$0.4465	\$0.4254

Issued: September 16, 2016-18, 2017
Effective Date: May 1, 2017, 2018
Authorized by NHPUC Order No. _____, in Docket No. DG 17-____, dated _____.

Issued By: 
Senior Vice President

Local Delivery Adjustment Clause

Rate Schedule	RLIARA	DSM EEC	LRR	ERC	ITM	RCE	RPC	LDAC
Residential Heating	\$0.0096 0.0039	\$0.0331 0.0433	\$0.0006 0.0028	\$0.0056 0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0489 0.0560
Residential Non-Heating	\$0.0096 0.0039	\$0.0331 0.0433	\$0.0006 0.0028	\$0.0056 0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0489 0.0560
Small C&I	\$0.0096 0.0039	\$0.0142 0.0184	\$0.0002 0.0010	\$0.0056 0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0296 0.0293
Medium C&I	\$0.0096 0.0039	\$0.0142 0.0184	\$0.0002 0.0010	\$0.0056 0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0296 0.0293
Large C&I	\$0.0096 0.0039	\$0.0142 0.0184	\$0.0002 0.0010	\$0.0056 0.0060	\$0.0000	\$0.0000	\$0.0000	\$0.0296 0.0293
No Previous Sales Service								

Issued: September 16, 2015 ~~September 18, 2017~~

Effective: With Service Rendered On and After November 1, 2016 ~~November 1, 2017~~

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

Issued by: 
Title: Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX A

Schedule of Administrative Fees and Charges

I. Supplier Balancing Charge: ~~\$0.7775~~ **per MMBtu** of Daily Imbalance Volumes

- Updated effective every November 1 to reflect the Company's latest balancing resources and associated capacity costs.
- Daily Imbalance Volumes represent the difference between ATV and ATV adjusted for actual EDDs.

II. Peaking Service Demand Charge: ~~\$ 20.82~~ **35.51 per MMBtu** per MDPQ per month for November ~~2016-2017~~ through April ~~2017~~2018.

- Updated effective every November 1 to reflect the Company's Peaking resources and associated costs.

III. Company Allowance Calculation: ~~1.221~~ **1.26%** - Provided in Attachment 3 to Schedule 10

IV. Supplier Services and Associated Fees:

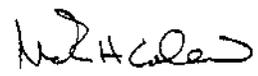
<u>SERVICE</u>	<u>PRICING</u>
Pool Administration (required) Non-Daily Metered Pools only	• \$0.10/month/customer billed @ marketer level
Standard Passthrough Billing (required)	• \$0.60/customer/month billed @ marketer level
Standard Complete Billing (optional – Passthrough Billing fee not required if this service is elected)	• \$1.50/customer/month billed @ marketer level
Customer Administration (required)	• \$10/customer/switch billed @ marketer level

Issued: September 1~~8~~6, 201~~6~~7

Effective: November 1, 201~~6~~7

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

Issued by: _____



Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX C

Capacity Allocators

Capacity Allocators shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Capacity Allocators shall be applicable for capacity assignments during the period of November 1, ~~2016-2017~~ through October 31, ~~2017~~2018.

Commercial and Industrial

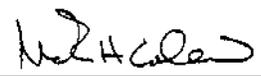
	<u>High Winter Use</u>	<u>Low Winter Use</u>
Pipeline:	28.53 <u>15.54</u> %	57.40 <u>60.13</u> %
Storage:	31.01 <u>31.09</u> %	18.48 <u>14.67</u> %
Peaking:	40.46 <u>53.37</u> %	24.12 <u>25.20</u> %

Issued: September ~~17, 2016~~ 18, 2017

Effective: November 1, ~~2016~~ 2017

Authorized by NHPUC Order No. _____ in Docket No. DG17-__ __, dated _____.

Issued by:



Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX D

**Firm Sales Service Re-Entry Fee Bill Adjustment
(continued)**

The Re-Entry Fee shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Firm Sales Service Re-Entry Fee Unit Charge shall be applicable for the period of November 1, ~~2016-2017~~ through October 31, ~~2017~~2018.

Effective Dates:	November 1, 2016-2017 – October 31, 2017<u>2018</u>
Annual Average Unit Cost:	\$240.33 <u>257.69</u>
25% - Annual Charge for Re-Entry Fee:	\$60.08 <u>64.42</u>
Monthly Unit Charge for Re-Entry Fee:	\$5.01 <u>5.37</u>

Issued: September ~~16~~18, 20162017

Issued by:



Effective: November 1, ~~2016~~2017

Senior Vice President

Authorized by NHPUC Order No. _____ in Docket No. DG ~~16-17~~ - ____, dated _____.

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX D

Firm Sales Service Re-Entry Fee Bill Adjustment
(continued)

~~The Re-Entry Fee shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Firm Sales Service Re-Entry Fee Unit Charge shall be applicable for the period of November 1, 2017 through October 31, 2018.~~

Effective Dates:	November 1, 2017—October 31, 2018
Annual Average Unit Cost:	\$ 262.99
25%—Annual Charge for Re-Entry Fee:	\$ 65.75
Monthly Unit Charge for Re-Entry Fee:	\$ 5.48

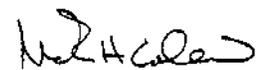
Re-entry Surcharge and Conversion Surcharge
(continued)

D. Information to be Filed with the Commission:

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

Issued: September ~~4~~18,
~~2016~~2017

Issued by:



Effective: November 1, ~~2016~~2017

Senior Vice President

Authorized by NHPUC Order No. _____ in Docket No. DG 17 - ____, dated _____.

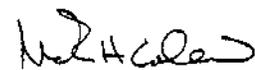
VII. DELIVERY SERVICE TERMS AND CONDITIONS

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, 2017 through April 30, 2018 and May 1, 2018 through October 2018.

<u>Effective Dates:</u>	<u>November 1, 2017 – April 30, 2018</u>	<u>May 1, 2018 – October 30, 2018</u>
<u>Re-entry Surcharge:</u>	<u>\$0.0082 per therm</u>	<u>\$0.0085 per therm</u>
<u>Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):</u>	<u>\$0.0510 per therm</u>	<u>\$0.0085 per therm</u>
<u>Conversion Surcharge, High Load Factor (G-50, G-51, G-52):</u>	<u>\$0.1522 per therm</u>	<u>\$0.0085 per therm</u>

Issued: September ~~4~~18,
~~2016~~2017

Issued by:



Effective: November 1, ~~2016~~2017

Senior Vice President

Authorized by NHPUC Order No. _____ in Docket No. DG 17 - ____, dated _____.