



NHPUC NOV19AM9:30

October 31, 2019

VIA OVERNIGHT MAIL

Debra A. Howland, Executive Director and Secretary
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, NH 03301

Re: Northern Utilities, Inc., Docket No. DG 19-154, Proposed Cost of Gas Adjustment for the Winter Period (November 2019 – April 2020) and Summer Period (May 2020 – October 2020) - Compliance Tariff Pages

Dear Director Howland:

Enclosed please find an original and two (2) copies of the following tariff pages for Northern Utilities, Inc., filed in compliance with NHPUC Order No. 26,303 in the above referenced proceeding:

NHPUC No. 12 - Northern Utilities, Inc.

- Second Revised Page 40 (Winter COG),
- Second Revised Page 41 (Summer COG),
- Fifth Revised Page 42 (Winter COG),
- Fourth Revised Page 43 (Summer COG),
- Third Revised Page 62 (LDAC),
- Sixth Revised Page 85 (Winter Rate Summary),
- Fifth Revised Page 86 (Summer Rate Summary),
- Sixth Revised Page 87 (Winter Rate Summary),
- Fifth Revised Page 88 (Summer Rate Summary),
- Second Revised Page 141 (Appendix A),
- Second Revised Page 156 (Appendix C) and
- Second Revised Page 158 (Appendix D).

If you have any questions regarding this filing, please do not hesitate to contact me.

Respectfully submitted,

George H. Simmons Jr.

Enclosure

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Anticipated Cost of Gas
New Hampshire Division
Period Covered: November 1, 2019 - April 30, 2020

	(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>			
Purchased Gas:			
Demand Costs:		\$1,399,977	
Supply Costs:		\$4,289,717	
Storage & Peaking Gas:			
Demand, Capacity:		\$12,012,257	
Commodity Costs:		\$9,816,975	
Interruptible Included Above		\$0	
Inventory Finance Charge		\$2,734	
Capacity Release, & Asset Management		(\$6,057,829)	
Re-entry Rate & Conversion Rate Revenues		\$ (10,000)	
Total Anticipated Direct Cost of Gas			<u>\$21,453,831</u>
<u>ANTICIPATED INDIRECT COST OF GAS</u>			
Adjustments:			
Prior Period Under/(Over) Collection		(\$1,406,949)	
Interest		(\$29,113)	
Refunds		\$0	
<u>Interruptible Margins</u>		<u>\$0</u>	
Total Adjustments			(\$1,436,062)
Working Capital:			
Total Anticipated Direct Cost of Gas		\$21,453,831	
Working Capital Percentage		<u>0.2880%</u>	
Working Capital Allowance		\$ 61,778	
Plus: Working Capital Reconciliation (Acct 173)		<u>(\$35,633)</u>	
Total Working Capital Allowance			\$26,145
Bad Debt:			
Bad Debt Allowance		\$153,235	
Plus: Bad Debt Reconciliation (Acct 173)		(\$2,792)	
Total Bad Debt Allowance			\$150,444
Local Production and Storage Capacity			\$476,106
Miscellaneous Overhead-80.55% Allocated to WinterSeason			<u>\$467,545</u>
Total Anticipated Indirect Cost of Gas			(\$315,822)
Total Cost of Gas			<u>\$21,138,010</u>

Issued: November 1, 2019
 Effective Date: November 1, 2019

Issued By: Christine Vaughan
 Senior Vice President

Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019.

Anticipated Cost of Gas
New Hampshire Division
Period Covered: May 1, 2020 - October 31, 2020

(Col 1)	(Col 2)	(Col 3)
<u>ANTICIPATED DIRECT COST OF GAS</u>		
Purchased Gas:		
Demand Costs:	\$374,176	
Supply Costs:	\$1,901,121	
Storage & Peaking Gas:		
Demand, Capacity:	\$351,629	
Commodity Costs:	\$15,556	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$0	
Capacity Release & Asset Management	\$0	
Re-entry Rate and Conversion Rate Revenues	\$0	
Total Anticipated Direct Cost of Gas		<u>\$2,642,481</u>
<u>ANTICIPATED INDIRECT COST OF GAS</u>		
Adjustments:		
Prior Period Under/(Over) Collection	(\$339,771)	
Interest	(\$18,232)	
Refunds	\$0	
<u>Interruptible Margins</u>	<u>\$0</u>	
Total Adjustments		(\$358,003)
Working Capital:		
Total Anticipated Direct Cost of Gas	\$2,642,482	
Working Capital Percentage	<u>0.2880%</u>	
Working Capital Allowance	\$7,609	
Plus: Working Capital Reconciliation (Acct 173)	<u>(\$8,605)</u>	
Total Working Capital Allowance		(\$996)
Bad Debt:		
Bad Debt Allowance	\$15,143	
Plus: Bad Debt Reconciliation (Acct 173)	(\$674)	
Total Bad Debt Allowance		\$14,470
Local Production and Storage Capacity		\$0
Miscellaneous Overhead-19.45% Allocated to the Summer Season		\$112,910
Total Anticipated Indirect Cost of Gas		(\$231,620)
Total Cost of Gas		<u>\$2,410,862</u>

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CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2019 - April 30, 2020

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$21,453,831	
Projected Prorated Sales (11/01/19 - 04/30/20)	36,062,011	
Direct Cost of Gas Rate		\$0.5949 per therm
Demand Cost of Gas Rate	\$7,344,405	\$0.2037 per therm
Commodity Cost of Gas Rate	<u>\$14,106,692</u>	<u>\$0.3912 per therm</u>
Total Direct Cost of Gas Rate	\$21,451,097	\$0.5949 per therm
Total Anticipated Indirect Cost of Gas	(\$315,822)	
Projected Prorated Sales (11/01/19 - 04/30/20)	36,062,011	
Indirect Cost of Gas		(\$0.0088) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.5861 per therm

RESIDENTIAL COST OF GAS RATE -11/01/19	COGwr	\$0.5861 per therm
	Maximum (COG+25%)	\$0.7326

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/19	COGwl	\$0.4950 per therm
	Maximum (COG+25%)	\$0.6188

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$505,175
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	<u>\$30,878</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$536,053
C&I HLF PROJECTED PRORATED SALES (11/01/19 - 04/30/20)	3,762,682
DEMAND COST OF GAS RATE	\$0.1425
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$1,352,376
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>\$6,954</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$1,359,330
C&I HLF PROJECTED PRORATED SALES (11/01/19 - 04/30/20)	3,762,682
COMMODITY COST OF GAS RATE	\$0.3613
INDIRECT COST OF GAS	(\$0.0088)
TOTAL C&I HLF COST OF GAS RATE	\$0.4950

COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/19	COGwh	\$0.6082 per therm
	Maximum (COG+25%)	\$0.7603

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$3,196,065
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$195,354</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$3,391,419
C&I LLF PROJECTED PRORATED SALES (11/01/19 - 04/30/20)	15,521,733
DEMAND COST OF GAS RATE	\$0.2185
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$6,154,139
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>\$31,647</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$6,185,785
C&I LLF PROJECTED PRORATED SALES (11/01/19 - 04/30/20)	15,521,733
COMMODITY COST OF GAS RATE	\$0.3985
INDIRECT COST OF GAS	(\$0.0088)
TOTAL C&I LLF COST OF GAS RATE	\$0.6082

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2020 - October 31, 2020

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$2,642,482	
Projected Prorated Sales (05/01/20 - 10/31/20)	8,708,801	
Direct Cost of Gas Rate		\$0.3035 per therm
Demand Cost of Gas Rate	\$725,806	\$0.0833 per therm
Commodity Cost of Gas Rate	<u>\$1,916,677</u>	<u>\$0.2201</u> per therm
Total Direct Cost of Gas Rate	\$2,642,482	\$0.3034 per therm
Total Anticipated Indirect Cost of Gas	(\$231,620)	
Projected Prorated Sales (05/01/20 - 10/31/20)	8,708,801	
Indirect Cost of Gas		(\$0.0266) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.2768 per therm

RESIDENTIAL COST OF GAS RATE - 05/01/20	COGwr	\$0.2768 per therm
	Maximum (COG+25%)	\$0.3460

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/20	COGwl	\$0.2443 per therm
	Maximum (COG+25%)	\$0.3054

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$124,606
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	<u>\$12,788</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$137,394
C&I HLF PROJECTED PRORATED SALES (05/01/20 - 10/31/20)	2,702,383
DEMAND COST OF GAS RATE	\$0.0508
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$594,754
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>(\$27)</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$594,727
C&I HLF PROJECTED PRORATED SALES (05/01/20 - 10/31/20)	2,702,383
COMMODITY COST OF GAS RATE	\$0.2201
INDIRECT COST OF GAS	(\$0.0266)
TOTAL C&I HLF COST OF GAS RATE	\$0.2443

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20	COGwh	\$0.3116 per therm
	Maximum (COG+25%)	\$0.3895

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$271,219
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$27,835</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$299,054
C&I LLF PROJECTED PRORATED SALES (05/01/20 - 10/31/20)	2,532,740
DEMAND COST OF GAS RATE	\$0.1181
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$557,418
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$25)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$557,393
C&I LLF PROJECTED PRORATED SALES (05/01/20 - 10/31/20)	2,532,740
COMMODITY COST OF GAS RATE	\$0.2201
INDIRECT COST OF GAS	(\$0.0266)
TOTAL C&I LLF COST OF GAS RATE	\$0.3116

Local Delivery Adjustment Clause

Rate Schedule	RLIARA	EEC	LRR	ERC	ITMC	RCE	RPC	LDAC
Residential Heating	\$0.0036	\$0.0499	\$0.0114	\$0.0057	\$0.0000	\$0.0000	\$0.0000	\$0.0706
Residential Non-Heating	\$0.0036	\$0.0499	\$0.0114	\$0.0057	\$0.0000	\$0.0000	\$0.0000	\$0.0706
Small C&I	\$0.0036	\$0.0247	\$0.0019	\$0.0057	\$0.0000	\$0.0000	\$0.0000	\$0.0359
Medium C&I	\$0.0036	\$0.0247	\$0.0019	\$0.0057	\$0.0000	\$0.0000	\$0.0000	\$0.0359
Large C&I	\$0.0036	\$0.0247	\$0.0019	\$0.0057	\$0.0000	\$0.0000	\$0.0000	\$0.0359
No Previous Sales Service								

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Issued by: Christine Vaughan

Title: Senior Vice President

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

Winter Season November 2019 - April 2020		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 First 50 therms All usage over 50 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.6920 \$0.6920 \$0.0706 \$0.5861	\$22.20 \$0.7626 \$0.7626	\$22.20 \$1.3487 \$1.3487
Residential Heating Low Income	<u>Tariff Rate R 10:</u> Monthly Customer Charge First 50 therms All usage over 50 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$8.88 \$0.2768 \$0.2768 \$0.0706 \$0.5861	\$8.88 \$0.3474 \$0.3474	\$8.88 \$0.9335 \$0.9335
Residential Non-Heating	<u>Tariff Rate R 6:</u> Monthly Customer Charge First 10 therms All usage over 10 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.6470 \$0.6470 \$0.0706 \$0.5861	\$22.20 \$0.7176 \$0.7176	\$22.20 \$1.3037 \$1.3037

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Issued by:

Christine Vaughan

Title:

Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 SUMMER SEASON RESIDENTIAL RATES

Summer Season May 2020 - October 2020	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 First 50 therms All usage over 50 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.6099 \$0.6099 \$0.0706 \$0.2768	\$22.20 \$0.6805 \$0.6805 	\$22.20 \$0.9573 \$0.9573
Residential Heating Low Income <u>Tariff Rate R 10:</u> Monthly Customer Charge First 50 therms All usage over 50 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$8.88 \$0.2440 \$0.2440 \$0.0706 \$0.2768	\$8.88 \$0.3146 \$0.3146 	\$8.88 \$0.5914 \$0.5914
Residential Non-Heating <u>Tariff Rate R 6:</u> Monthly Customer Charge First 10 therms All usage over 10 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.6470 \$0.6470 \$0.0706 \$0.2768	\$22.20 \$0.7176 \$0.7176 	\$22.20 \$0.9944 \$0.9944

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 Title: Senior Vice President

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

Winter Season November 2019 - April 2020		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 <u>Gas Cost Adjustment:</u> Cost of Gas	\$75.09 \$0.1865 \$0.1865 \$0.0359 \$0.6082	\$75.09 \$0.2224 \$0.2224 	\$75.09 \$0.8306 \$0.8306
C&I Low Annual/Low Winter	<u>Tariff Rate G 50:</u> Monthly Customer Charge First 75 therms All usage over 75 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$75.09 \$0.1865 \$0.1865 \$0.0359 \$0.4950	\$75.09 \$0.2224 \$0.2224 	\$75.09 \$0.7174 \$0.7174
C&I Medium Annual/High Winter	<u>Tariff Rate G 41:</u> Monthly Customer Charge All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$222.64 \$0.2425 \$0.0359 \$0.6082	\$222.64 \$0.2784 	\$222.64 \$0.8866
C&I Medium Annual/Low Winter	<u>Tariff Rate G 51:</u> Monthly Customer Charge First 1,300 therms All usage over 1,300 therms LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$222.64 \$0.1712 \$0.1399 \$0.0359 \$0.4950	\$222.64 \$0.2071 \$0.1758 	\$222.64 \$0.7021 \$0.6708
C&I High Annual/High Winter	<u>Tariff Rate G 42:</u> Monthly Customer Charge All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$1,335.81 \$0.1984 \$0.0359 \$0.6082	\$1,335.81 \$0.2343 	\$1,335.81 \$0.8425
C&I High Annual/Low Winter	<u>Tariff Rate G 52:</u> Monthly Customer Charge All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$1,335.81 \$0.1720 \$0.0359 \$0.4950	\$1,335.81 \$0.2079 	\$1,335.81 \$0.7029

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 Title: Senior Vice President

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

Summer Season May 2020 - October 2020		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	\$75.09 \$0.1865 \$0.1865 \$0.0359 \$0.3116	\$75.09 \$0.2224 \$0.2224 \$0.2224	\$75.09 \$0.5340 \$0.5340
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	\$75.09 \$0.1865 \$0.1865 \$0.0359 \$0.2443	\$75.09 \$0.2224 \$0.2224 \$0.2224	\$75.09 \$0.4667 \$0.4667
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1895 \$0.0359 \$0.3116	\$222.64 \$0.2254 \$0.2254	\$222.64 \$0.5370
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge First 1,000 therms All usage over 1,000 therms LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1337 \$0.1087 \$0.0359 \$0.2443	\$222.64 \$0.1696 \$0.1446 \$0.1446	\$222.64 \$0.4139 \$0.3889
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.1206 \$0.0359 \$0.3116	\$1,335.81 \$0.1565 \$0.1565	\$1,335.81 \$0.4681
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.0792 \$0.0359 \$0.2443	\$1,335.81 \$0.1151 \$0.1151	\$1,335.81 \$0.3594

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 Title: Senior Vice President

VII. DELIVERY SERVICE TERMS AND CONDITIONS

APPENDIX A

Schedule of Administrative Fees and Charges

I. Supplier Balancing Charge: \$0.71 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: \$ 65.41 per MMBtu per MDPQ per month for November 2019 through April 2020.

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

III. Company Allowance Calculation: 1.38% - Provided in Schedule 18-FXW

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

V. Meter Read Charge: \$78.00 when customer phone line is not reporting daily data

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Senior Vice President

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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, 2019 through October 31, 2020.

Commercial and Industrial

	<u>High Winter Use</u>	<u>Low Winter Use</u>
Pipeline:	9.35%	48.43%
Storage:	34.33%	19.53%
Peaking:	56.32%	32.04%

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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, 2019 through April 30, 2020 and May 1, 2020 through October 2020.

Effective Dates:	November 1, 2019 – April 30, 2020	May 1, 2020 – October 30, 2020
Re-entry Surcharge:	\$0.0409 per therm	\$0.0406 per therm
Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):	\$0.1405 per therm	\$0.0406 per therm
Conversion Surcharge, High Load Factor (G-50, G-51, G-52):	\$0.2537 per therm	\$0.0406 per therm

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