

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2019 - October 31, 2019

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$2,760,547	
Projected Prorated Sales (05/01/19 - 10/31/19)	8,101,656	
Direct Cost of Gas Rate		\$0.3407 per therm
Demand Cost of Gas Rate	\$756,079	\$0.0933 per therm
Commodity Cost of Gas Rate	<u>\$2,004,769</u>	<u>\$0.2475</u> per therm
Total Direct Cost of Gas Rate	\$2,760,848	\$0.3408 per therm
Total Anticipated Indirect Cost of Gas	\$212,629	
Projected Prorated Sales (05/01/19 - 10/31/19)	8,101,656	
Indirect Cost of Gas		\$0.0262 per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.3670 per therm
Period ending over-collection to be recovered	(\$528,665)	
Projected sales (07/01/19 - 10/31/19)	5,161,451	
Per unit change in Cost of Gas (07/01/19 - 10/31/19)	(\$0.1024)	

RESIDENTIAL COST OF GAS RATE - 07/01/19	COGwr	\$0.2646 per therm
	Maximum (COG+25%)	\$0.4969
RESIDENTIAL COST OF GAS RATE - 5/01/19		\$0.3670
CHANGE IN PER UNIT COST		(\$0.1024)
RESIDENTIAL COST OF GAS RATE - 07/01/19		\$0.2646

COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/19	COGwl	\$0.2245 per therm
	Maximum (COG+25%)	\$0.4429
COM/IND LOW WINTER USE COST OF GAS RATE - 5/01/19		\$0.3269
CHANGE IN PER UNIT COST		(\$0.1024)
COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/19		\$0.2245

COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/19	COGwh	\$0.2934 per therm
	Maximum (COG+25%)	\$0.5318
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/19		\$0.3958
CHANGE IN PER UNIT COST		(\$0.1024)
COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/19		\$0.2934

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Issued By: Christine Vaughan
 Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
SUMMER SEASON RESIDENTIAL RATES

Summer Season May 2019 - October 2019		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 \$0.0675 \$0.2646	\$22.20 \$0.6774 \$0.6774	\$22.20 \$0.9420 \$0.9420
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 \$0.0675 \$0.2646	\$8.88 \$0.3115 \$0.3115	\$8.88 \$0.5761 \$0.5761
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 \$0.0675 \$0.2646	\$22.20 \$0.7145 \$0.7145	\$22.20 \$0.9791 \$0.9791

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Issued by:

Christine Vaughan

Title:

Senior Vice President

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

Summer Season May 2019 - October 2019		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	\$75.09 \$0.1865 \$0.1865 \$0.0380 \$0.2934	\$75.09 \$0.2245 \$0.2245 \$0.2245	\$75.09 \$0.5179 \$0.5179
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	\$75.09 \$0.1865 \$0.1865 \$0.0380 \$0.2245	\$75.09 \$0.2245 \$0.2245 \$0.2245	\$75.09 \$0.4490 \$0.4490
C&I Medium Annual/High Winter	<u>Tariff Rate G 41:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1895 \$0.0380 \$0.2934	\$222.64 \$0.2275 \$0.2275	\$222.64 \$0.5209
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	\$222.64 \$0.1337 \$0.1087 \$0.0380 \$0.2245	\$222.64 \$0.1717 \$0.1467 \$0.1467	\$222.64 \$0.3962 \$0.3712
C&I High Annual/High Winter	<u>Tariff Rate G 42:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.1206 \$0.0380 \$0.2934	\$1,335.81 \$0.1586 \$0.1586	\$1,335.81 \$0.4520
C&I High Annual/Low Winter	<u>Tariff Rate G 52:</u> Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.0792 \$0.0380 \$0.2245	\$1,335.81 \$0.1172 \$0.1172	\$1,335.81 \$0.3417

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TOTAL PERIOD AVERAGE COST OF GAS		\$0.3670 per therm
Period ending under-collection to be recovered	(\$528,665)	
Projected sales (07/01/19 - 10/31/19)	5,161,451	
Per unit change in Cost of Gas (07/01/19 - 10/31/19)	(\$0.1024)	

RESIDENTIAL COST OF GAS RATE - 05/01/19 07/01/2018	COGwr	\$0.3670	\$0.2646	per therm
	Maximum (COG+25%)		\$0.4969	
<u>RESIDENTIAL COST OF GAS RATE - 05/01/19</u>			\$0.3670	
<u>CHANGE IN PER UNIT COST</u>			(\$0.1024)	
<u>RESIDENTIAL COST OF GAS RATE - 07/01/19</u>			\$0.2646	

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/19 07/01/2018	COGwl	\$0.3269	\$0.2245	per therm
	Maximum (COG+25%)		\$0.4429	
<u>COM/IND LOW WINTER USE COST OF GAS RATE - 5/01/19</u>			\$0.3269	
<u>CHANGE IN PER UNIT COST</u>			(\$0.1024)	
<u>COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/19</u>			\$0.2245	
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$100,148			
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	\$1,289			
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$101,438			
C&I HLF PROJECTED PRORATED SALES (05/01/19 - 10/31/19)	1,904,106			
DEMAND COST OF GAS RATE	\$0.0533			
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$471,174			
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$72)			
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$471,103			
C&I HLF PROJECTED PRORATED SALES (05/01/19 - 10/31/19)	1,904,106			
COMMODITY COST OF GAS RATE	\$0.2474			
INDIRECT COST OF GAS	\$0.0262			
TOTAL C&I HLF COST OF GAS RATE	\$0.3269			

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/19 07/01/2018	COGwh	\$0.3958	\$0.3230	per therm
	Maximum (COG+25%)		\$0.5318	
<u>COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/19</u>			\$0.4254	
<u>CHANGE IN PER UNIT COST</u>			(\$0.1024)	
<u>COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/19</u>			\$0.3230	
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$319,185			
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$4,109			
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$323,295			
C&I LLF PROJECTED PRORATED SALES (05/01/19 - 10/31/19)	2,646,145			
DEMAND COST OF GAS RATE	\$0.1222			
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$654,793			
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$100)			
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$654,693			
C&I LLF PROJECTED PRORATED SALES (05/01/19 - 10/31/19)	2,646,145			
COMMODITY COST OF GAS RATE	\$0.2474			
INDIRECT COST OF GAS	\$0.0262			
TOTAL C&I LLF COST OF GAS RATE	\$0.3958			

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 SUMMER-SEASON RESIDENTIAL RATES

Summer Season May 2019 - October 2019		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	\$22.20 \$0.6099 \$0.6099 \$0.0675 \$0.3670 <u>\$0.2646</u>	 \$22.20 \$0.6774 \$0.6774	 \$22.20 \$1.0444 <u>\$0.9420</u> \$1.0444 <u>\$0.9420</u>
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	\$8.88 \$0.2440 \$0.2440 \$0.0675 \$0.3670 <u>\$0.2646</u>	 \$8.88 \$0.3115 \$0.3115	 \$8.88 \$0.6785 <u>\$0.5761</u> \$0.6785 <u>\$0.5761</u>
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	\$22.20 \$0.6470 \$0.6470 \$0.0675 \$0.3670 <u>\$0.2646</u>	 \$22.20 \$0.7145 \$0.7145	 \$22.20 \$1.0815 <u>\$0.9791</u> \$1.0815 <u>\$0.9791</u>

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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 \$0.0380 \$0.3269 \$0.2245	\$75.09 \$0.2245 \$0.2245	\$75.09 \$0.5514 \$0.4490 \$0.5514 \$0.4490
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 \$0.0380 \$0.3958 \$0.2934	\$222.64 \$0.2275	\$222.64 \$0.6233 \$0.5209
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