

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: December 1, 2021 - April 30, 2022

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$42,008,180	
Projected Prorated Sales (11/01/22 - 04/30/23)	35,507,405	
Direct Cost of Gas Rate		\$1.1831 per therm
Demand Cost of Gas Rate	\$10,341,068	\$0.2912 per therm
Commodity Cost of Gas Rate	<u>\$31,667,112</u>	<u>\$0.8918 per therm</u>
Total Direct Cost of Gas Rate	\$42,008,180	\$1.1830 per therm
Total Anticipated Indirect Cost of Gas	(\$1,919,694)	
Projected Prorated Sales (11/01/22 - 04/30/23)	35,507,405	
Indirect Cost of Gas	(\$0.0541)	(\$0.0541) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$1.1289 per therm
Period ending under-collection to be recovered as determined on 12/21/2022		(\$914,844)
Projected Sales (12/01/22 - 04/30/2023)		30,815,599
Per unit change in Cost of Gas (12/01/22 - 04/30/23)		(\$0.0297)

RESIDENTIAL COST OF GAS RATE -12/01/22	COGwr	\$1.0992 per therm
	Maximum (COG+25%)	\$1.4111
RESIDENTIAL COST OF GAS RATES - 11/01/2022		\$1.1289
CHANGE IN PER UNIT COST		(\$0.0297)
RESIDENTIAL COST OF GAS RATES - 12/01/2022		\$1.0992

COM/IND LOW WINTER USE COST OF GAS RATE - 12/01/22	COGwl	\$1.0239 per therm
	Maximum (COG+25%)	\$1.3170
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2022		\$1.0536
CHANGE IN PER UNIT COST		(\$0.0297)
COM/IND LOW WINTER USE COST OF GAS RATES - 12/01/2022		\$1.0239

COM/IND HIGH WINTER USE COST OF GAS RATE - 12/01/22	COGwh	\$1.1131 per therm
	Maximum (COG+25%)	\$1.4285
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2022		\$1.1428
CHANGE IN PER UNIT COST		(\$0.0297)
COM/IND HIGH WINTER USE COST OF GAS RATES - 12/01/2022		\$1.1131

Issued: November 22, 2022
 Effective Date: December 1, 2022
 Authorized by NHPUC Order No. 26,713, in Docket No. DG 22-059, dated October 27, 2022.

Issued By: Robert B. Hevert
 Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
CURRENTLY EFFECTIVE RESIDENTIAL RATES

Winter Season December 2022 - April 2023		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 All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.9266 \$0.1850 \$1.0992	\$22.20 \$1.1116	\$22.20 \$2.2108
Residential Heating Low Income	<u>Tariff Rate R 10:</u> Monthly Customer Charge All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$0.9266 \$0.1850 \$1.0992	\$22.20 \$1.1116	\$22.20 \$2.2108
45% Low Income Discount*	Monthly Customer Charge	(\$9.99)	(\$9.99)	(\$9.99)
45% Low Income Discount*	All usage	(\$0.4170)	(\$0.4170)	(\$0.9116)
No Low Income Discount	LDAC	\$0.0000		
45% Low Income Discount*	<u>Gas Cost Adjustment:</u> Cost of Gas	(\$0.4946)		
Residential Non-Heating	<u>Tariff Rate R 6:</u> Monthly Customer Charge All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$22.20 \$1.4053 \$0.1850 \$1.0992	\$22.20 \$1.5903	\$22.20 \$2.6895

*: Discount applicable to winter months November through April only.

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 Title: **Senior Vice President**

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
 CURRENTLY EFFECTIVE C & I RATES

Winter Season December 2022 - April 2023		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 All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2556 \$0.0493 \$1.1131	\$80.00 \$0.3049	\$80.00 \$1.4180
C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2359 \$0.0493 \$1.0239	\$80.00 \$0.2852	\$80.00 \$1.3091
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$225.00 \$0.2883 \$0.0493 \$1.1131	\$225.00 \$0.3376	\$225.00 \$1.4507
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$225.00 \$0.1770 \$0.0493 \$1.0239	\$225.00 \$0.2263	\$225.00 \$1.2502
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,350.00 \$0.2185 \$0.0493 \$1.1131	\$1,350.00 \$0.2678	\$1,350.00 \$1.3809
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,350.00 \$0.1796 \$0.0493 \$1.0239	\$1,350.00 \$0.2289	\$1,350.00 \$1.2528

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Period Covered: ~~Nov~~December 1, 2022 - April 30, 2023

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Total Anticipated Indirect Cost of Gas	(\$1,919,694)	
Projected Prorated Sales (11/01/22 - 04/30/23)	35,507,405	
Indirect Cost of Gas		(\$0.0541) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$1.1289 per therm
<u>Period ending under-collection to be recovered as determined on 12/21/2022</u>		<u>(\$914,844)</u>
<u>Projected Sales (12/01/22 - 04/30/2023)</u>		<u>30,815,599</u>
<u>Per unit change in Cost of Gas (12/01/22 - 04/30/23)</u>		<u>(\$0.0297)</u>

RESIDENTIAL COST OF GAS RATE - 11/01/22-12/01/2022	COGwr	\$1.1289	\$1.0992	per therm
	Maximum (COG+25%)		\$1.4111	
<u>RESIDENTIAL COST OF GAS RATES - 11/01/2022</u>			<u>\$1.1289</u>	
<u>CHANGE IN PER UNIT COST</u>			<u>(\$0.0297)</u>	
<u>RESIDENTIAL COST OF GAS RATES - 12/01/2022</u>			<u>\$1.0992</u>	

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22-12/01/2022	COGwl	\$1.0536	\$1.0239	per therm
	Maximum (COG+25%)		\$1.3170	
<u>COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2022</u>			<u>\$1.0536</u>	
<u>CHANGE IN PER UNIT COST</u>			<u>(\$0.0297)</u>	
<u>COM/IND LOW WINTER USE COST OF GAS RATES - 12/01/2022</u>			<u>\$1.0239</u>	

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,534
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	\$8,570
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$578,104
C&I HLF PROJECTED PRORATED SALES (11/01/22-04/30/23)	2,898,272
DEMAND COST OF GAS RATE	\$0.1995
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$2,634,583
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$2,272)
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$2,632,312
C&I HLF PROJECTED PRORATED SALES (11/01/22-04/30/23)	2,898,272
COMMODITY COST OF GAS RATE	\$0.9082
INDIRECT COST OF GAS	(\$0.0541)
TOTAL C&I HLF COST OF GAS RATE	\$1.0536

COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/22-12/01/2022	COGwh	\$1.1428	\$1.1131	per therm
	Maximum (COG+25%)		\$1.3914	
<u>COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2022</u>			<u>\$1.1428</u>	
<u>CHANGE IN PER UNIT COST</u>			<u>(\$0.0297)</u>	
<u>COM/IND HIGH WINTER USE COST OF GAS RATES - 12/01/2022</u>			<u>\$1.1131</u>	

C&I LLF DEMAND COSTS ALLOCATED PER SMBA	\$4,796,055
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$72,168
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$4,868,223
C&I LLF PROJECTED PRORATED SALES (11/01/22-04/30/23)	\$45,802,392
DEMAND COST OF GAS RATE	\$0.3084
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$14,057,940
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$12,123)
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$14,045,788
C&I LLF PROJECTED PRORATED SALES (11/01/22-04/30/23)	45,802,392
COMMODITY COST OF GAS RATE	\$0.8888
INDIRECT COST OF GAS	(\$0.0541)
TOTAL C&I LLF COST OF GAS RATE	\$1.1428

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
CURRENTLY EFFECTIVE RESIDENTIAL RATES

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Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.1850 \$1.4289 \$1.0992	\$22.20 \$1.1116	\$22.20 \$2.2405 \$2.2108
45% Low Income Discount*	Monthly Customer Charge	(\$9.99)	(\$9.99)	\$0.00
45% Low Income Discount*	All usage	(\$0.4170)	(\$0.4170)	(\$0.9250) (\$0.9116)
No Low Income Discount	LDAC	\$0.0000		
45% Low Income Discount*	Gas Cost Adjustment: Cost of Gas	(\$0.5080) (\$0.4946)		
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$1.4053 \$0.1850 \$1.4289 \$1.0992	\$22.20 \$1.5903	\$22.20 \$2.7192 \$2.6895

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C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2359 \$0.0493 \$1.0536 \$1.0239	\$80.00 \$0.2852	\$80.00 \$1.3388 \$1.3091
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