

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 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) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$1.1289 per therm

RESIDENTIAL COST OF GAS RATE -11/01/22	COGwr	\$1.1289 per therm
	Maximum (COG+25%)	\$1.4111

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22	COGwl	\$1.0536 per therm
	Maximum (COG+25%)	\$1.3170

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,531
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	<u>\$8,570</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$578,101
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	<u>(\$2,272)</u>
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	COGwh	\$1.1428 per therm
	Maximum (COG+25%)	\$1.4285

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$4,796,055
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$72,168</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$4,868,223
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	15,802,392
DEMAND COST OF GAS RATE	\$0.3081
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$14,057,910
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$12,123)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$14,045,788
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	15,802,392
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

Winter Season November 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 \$1.1289	\$22.20 \$1.1116	\$22.20 \$2.2405
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 \$1.1289	\$22.20 \$1.1116	\$22.20 \$2.2405
45% Low Income Discount*	Monthly Customer Charge	(\$9.99)	(\$9.99)	(\$9.99)
45% Low Income Discount*	All usage	(\$0.4170)	(\$0.4170)	(\$0.9250)
No Low Income Discount*	LDAC	\$0.0000		
45% Low Income Discount*	<u>Gas Cost Adjustment:</u> Cost of Gas	(\$0.5080)		
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 \$1.1289	\$22.20 \$1.5903	\$22.20 \$2.7192

*: Discount applicable to winter months November through April only per Order No. 26,397 in Docket DG 20-013, dated August 27, 2020.

Issued: November 10, 2022
 Effective: With Service Rendered On and After November 1, 2022
 Authorized by NHPUC Order No. 26,713 in Docket No. DG 22-059, dated October 27, 2022

Issued by: **Robert B. Hevert**
 Title: **Senior Vice President**

CALCULATION OF FIRM SALES COST OF GAS RATE

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

(Col 1)	(Col 2)	(Col 3)		
Total Anticipated Direct Cost of Gas	\$32,005,179	\$42,008,180		
Projected Prorated Sales (11/01/21 - 04/30/22)	<u>35,339,329</u>	<u>35,507,405</u>		
Direct Cost of Gas Rate			\$0.9057	\$1.1831 per therm
Demand Cost of Gas Rate	\$12,798,284	\$10,341,068	\$0.3622	\$0.2912 per therm
Commodity Cost of Gas Rate	\$19,206,896	\$31,667,112	\$0.5436	\$0.8918 per therm
Total Direct Cost of Gas Rate	\$32,005,179	\$42,008,180	\$0.9057	\$1.1830 per therm
Total Anticipated Indirect Cost of Gas	\$1,185,042	(\$1,919,694)		
Projected Prorated Sales (11/01/21 - 04/30/22)	<u>35,339,329</u>	<u>35,507,405</u>		
Indirect Cost of Gas			\$0.0336	(\$0.0541) per therm
TOTAL PERIOD AVERAGE COST OF GAS			\$0.9392	\$1.1289 per therm
Period ending under collection to be recovered as determined on 12/21/2021				(\$995,768)
Projected Sales (01/01/22 - 04/30/22)				23,905,709
Per-unit change in Cost of Gas (01/01/21 - 04/30/22)				(\$0.0417)
Period ending under collection to be recovered as determined on 1/24/2022				\$779,744
Projected Sales (02/01/22 - 04/30/22)				16,025,403
Per-unit change in Cost of Gas (02/01/21 - 04/30/22)				\$0.0487
Period ending under collection to be recovered as determined on 2/22/2022				\$1,003,825
Projected Sales (03/01/22 - 04/30/22)				9,250,804
Per-unit change in Cost of Gas (03/01/21 - 04/30/22)				\$0.1085

RESIDENTIAL COST OF GAS RATE - 03/01/22-11/01/2022	COGwr	\$1.0547	\$1.1289	per therm
	Maximum (COG+25%)	\$1.1740	\$1.4111	
RESIDENTIAL COST OF GAS RATES - 11/01/2021		\$0.9392		
CHANGE IN PER UNIT COST		(\$0.0417)		
RESIDENTIAL COST OF GAS RATES - 01/01/2022		\$0.8975		
CHANGE IN PER UNIT COST		\$0.0487		
RESIDENTIAL COST OF GAS RATES - 02/01/2022		\$0.0462		
CHANGE IN PER UNIT COST		\$0.1085		
RESIDENTIAL COST OF GAS RATES - 03/01/2022		\$1.0547		

COM/IND LOW WINTER USE COST OF GAS RATE - 03/01/22-11/01/2022	COGwl	\$0.9608	\$1.0536	per therm
	Maximum (COG+25%)	\$1.0566	\$1.3170	
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2021		\$0.8453		
CHANGE IN PER UNIT COST		(\$0.0417)		
COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/2022		\$0.8036		
CHANGE IN PER UNIT COST		\$0.0487		
COM/IND LOW WINTER USE COST OF GAS RATES - 02/01/2022		\$0.8523		
CHANGE IN PER UNIT COST		\$0.1085		
COM/IND LOW WINTER USE COST OF GAS RATES - 03/01/2022		\$0.9608		
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,531			
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	\$8,570			
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$578,101			
C&I HLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	2,898,272			
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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 - 03/01/22-11/01/2022	COGwh	\$1.0706	\$1.1428	per therm
	Maximum (COG+25%)	\$1.1939	\$1.4285	
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2021		\$0.9551		
CHANGE IN PER UNIT COST		(\$0.0417)		
COM/IND HIGH WINTER USE COST OF GAS RATES - 01/01/2022		\$0.9134		
CHANGE IN PER UNIT COST		\$0.0487		
COM/IND HIGH WINTER USE COST OF GAS RATES - 02/01/2022		\$0.9624		
CHANGE IN PER UNIT COST		\$0.1085		
COM/IND HIGH WINTER USE COST OF GAS RATES - 03/01/2022		\$1.0706		
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			
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TOTAL C&I LLF COST OF GAS RATE	\$1.1428			

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION
CURRENTLY EFFECTIVE RESIDENTIAL RATES

	<u>Summer</u> <u>Winter Season</u> <u>May 2022 – October 2022</u> <u>November 2022 - April 2023</u>	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 All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.0816 <u>\$0.1850</u> \$1.1204 <u>\$1.1289</u>	\$22.20 \$1.0082 <u>\$1.1116</u>	\$22.20 \$2.1286 <u>\$2.2405</u>
Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.0816 <u>\$0.1850</u> \$1.1204 <u>\$1.1289</u>	\$22.20 \$1.0082 <u>\$1.1116</u>	\$22.20 \$2.1286 <u>\$2.2405</u>
45% Low Income Discount*	Monthly Customer Charge	\$0.0000 <u>(\$9.9900)</u>	(\$9.99)	(\$9.99)
45% Low Income Discount*	All usage	\$0.0000 <u>(\$0.4170)</u>	\$0.0000 <u>(\$0.4170)</u>	\$0.0000 <u>(\$0.9250)</u>
No Low Income Discount*	LDAC	\$0.0000		
45% Low Income Discount*	Gas Cost Adjustment: Cost of Gas	(\$0.5042) <u>(\$0.5080)</u>		
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$1.4053 \$0.0816 <u>\$0.1850</u> \$1.1204 <u>\$1.1289</u>	\$22.20 \$1.4869 <u>\$1.5903</u>	\$22.20 \$2.6073 <u>\$2.7192</u>

*: Discount applicable to winter months November through April only per Order No. 26,397 in Docket DG 20-013, dated August 27, 2020.

Issued: ~~September 8~~ November 10, 2022

Effective: With Service Rendered On and After ~~September~~ November 1, 2022

Authorized by NHPUC Order Nos. ~~26,669~~ 26,713 in Docket Nos. DG ~~21-131~~ 22-059, dated ~~August 17~~ October 27, 2022

& ~~Order No. 26,675 in Docket 22-020~~, dated ~~August 31~~, 2022

Issued by: Robert B. Hevert

Title: Senior Vice President