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 Projected Prorated Sales (11/01/22 - 04/30/23) Direct Cost of Gas Rate	\$42,008,180 35,507,405	\$1.1831	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$10,341,068 \$ <u>31,667,112</u> \$42,008,180	\$0.2912 \$ <u>0.8918</u> \$1.1830	per therm per therm per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23) Indirect Cost of Gas	(\$1,919,694) 35,507,405	(\$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	COGWI	\$1.0536	per therm
COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22	COGwl Maximum (COG+25%)	\$1.0536 \$1.3170	per therm
COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22 C&I HLF DEMAND COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF C&I HLF TOTAL ADJUSTED DEMAND COSTS C&I HLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23) DEMAND COST OF GAS RATE		•	per therm

M/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	\$72,168	
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	(\$12,123)	
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	

Issued: November 10, 2022

Effective Date: November 1, 2022

INDIRECT COST OF GAS

TOTAL C&I HLF COST OF GAS RATE

Issued By:

(\$0.0541)

\$1.0536

Robert B. Hevert Senior Vice President

Authorized by NHPUC Order No. 26,713, in Docket No. DG 22-059, dated October 27, 2022.

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE RESIDENTIAL RATES

Winter Season		Total	Total Billed Rates	
November 2022 - April 2023	Tariff	Delivery Rates	Tariff Rates, LDAC	
,	Rates	(Includes LDAC)	Plus Cost	of Gas
Tariff Rate R 5:				
Monthly Customer Charge	\$22.20	\$22.20		\$22.20
All usage	\$0.9266	\$1.1116	\$2.2405	
LDAC	\$0.1850			
Gas Cost Adjustment:				
Cost of Gas	\$1.1289			
Tariff Rate R 10:				
Monthly Customer Charge	\$22.20	\$22.20		\$22.20
,	\$0.9266	\$1.1116	\$2,2405	•
LDAC	\$0.1850	,	,	
Gas Cost Adjustment:	, , , , , , , ,			
Cost of Gas	\$1.1289			
Monthly Customer Charge	(\$9.99)	(\$9.99)		(\$9.99)
,		, ,		(4000)
3	, ,	(++)	(40.0200)	
	ψο.σσσσ			
Cost of Gas	(\$0.5080)			
Tariff Pate P 6:	1		1	
	\$22.20	\$22.20		\$22.20
,		·	\$2.7192	Ψ22.20
S .	,	ψ1.3303	ΨΣ.1 132	
	ψ0.1030			
Cost of Gas	\$1.1289			
-	Tariff Rate R 5: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	November 2022 - April 2023 Tariff Rates	November 2022 - April 2023	November 2022 - April 2023

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

Issued by: Issued: November 10, 2022 Robert B. Hevert Effective: With Service Rendered On and After November 1, 2022 Title: **Senior Vice President**

Authorized by NHPUC Order No. 26,713 in Docket No. DG 22-059, dated October 27, 2022

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2024 $\underline{2}\,$ - April 30, 2022 $\underline{3}\,$

(Col 1)	(Col 2)		(Col 3)		
Fotal Anticipated Direct Cost of Gas	\$32,005,179	¢42,009,190	(0010)		
total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/ <u>2422</u> - 04/30/ <u>2223)</u> Direct Cost of Gas Rate	\$32,005,178 	\$42,008,180 35,507,405	\$0.9057	<u>\$1.1831</u>	per therm
Nomand Cost of Gas Pato	\$ 12,798,284	\$10.341.068	\$0.3622	¢0 2012	nor thorm
Demand Cost of Gas Rate Commodity Cost of Gas Rate 'Otal Direct Cost of Gas Rate	\$12,799,284 \$ <u>19,206,896</u> \$ <u>32,005,179</u>	\$10,341,068 \$31,667,112 \$42,008,180	\$0.5435 \$0.9057	\$0.2912 \$0.8918 \$1.1830	per therm per therm per therm
otal Anticipated Indirect Cost of Gas rojected Prorated Sales (11/01/ <u>2</u> 422 - 04/30/ <u>22</u> 23)	\$ 1,185,012 	(\$1,919,694) 35,507,405			
direct Cost of Gas		30,307,100	\$0.0335	(\$0.0541)	per therm
OTAL PERIOD AVERAGE COST OF GAS			\$0.9392	<u>\$1.1289</u>	per therm
eriod ending under-collection to be recovered as determined on 12/21/2021			(\$995,768)		
rojected Sales (01/01/22 - 04/30/2022) e r unit change in Cost of Gas (01/01/21 - 04/30/22)			23,905,700 (\$0.0417)		
eriod ending under-collection to be recovered as determined on 1/24/2022			\$779,744		
rojected Sales (02/01/22 - 04/30/2022) or unit change in Cost of Gas (02/01/21 - 04/30/22)			16,025,403 \$0.0487		
			ψο.ο τον		
eriod ending under-collection to be recovered as determined on 2/22/2022			\$1,003,825		
rojected Sales (03/01/22 – 04/30/2022) e r unit change in Cost of Gas (03/01/21 – 04/30/22)			9,250,801 \$0.1085		
ESIDENTIAL COST OF GAS RATE - 03/01/22 11/01/2022	COGwr		\$1.0547	\$1.1289	per therm
THE PARTY OF THE P	Maximum (COG+25%)		\$1.1740	\$1,4111	,
RESIDENTIAL COST OF GAS RATES - 11/01/2021			\$0.9392	41.7111	
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 CHANGE IN PER UNIT COST			\$0.9462 \$0.1085		
RESIDENTIAL COST OF GAS RATES - 03/01/2022			\$1.0547		
OM/IND LOW WINTER USE COST OF GAS RATE - 03/04/22/11/01/2022	COGwl		\$0.9608	<u>\$1.0536</u>	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 COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/202			(\$0.0417) \$0.8036		
CHANGE IN PER UNIT COST			\$0.0487		
COM/IND LOW WINTER USE COST OF GAS RATES - 02/01/202			\$0.8523		
CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 03/01/202			\$0.1085 \$0.9608		
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,53 <u>1</u>				
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	\$8,570				
C&I HLF TOTAL ADJUSTED DEMAND COSTS C&I HLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	<u>\$578,101</u> 2,898,272				
DEMAND COST OF GAS RATE	<u>\$0.1995</u>				
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	\$2,634,583				
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	<u>(\$2,272)</u> \$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 TOTAL C&I HLF COST OF GAS RATE	(\$0.0541) \$1.0536				
OM/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 CHANGE IN PER UNIT COST			\$0.9134 \$0.0487		
CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATES - 02/01/2022			\$0.9621		
CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATES - 03/01/2022			\$0.1085 \$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 \$15,803,303				
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23) DEMAND COST OF GAS RATE	<u>\$15,802,392</u> <u>\$0.3081</u>				
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	<u>\$14,057,910</u>				
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$12,123)</u>				
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	<u>\$14,045,788</u>				
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23) COMMODITY COST OF GAS RATE	15,802,392 \$0.8888				
INDIRECT COST OF GAS.	(\$0.0541)				
TOTAL C&I LLF COST OF GAS RATE	<u>\$1.1428</u>				
sued: February 22 November 10, 2022		legged Dur	Del	bert B. Hevert	
AGG OD. GG. J ELITOTOIIDGE TO, EVEL		Issued By:	Senio		

ISSUBO: REDITION TO THE PROPERTY OF THE PROPER

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

CURRENTLY EFFECTIVE RESIDENTIAL RATES

	Summer Winter Season May 2022 - October 2022 November 2022 - April 2023	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 \$0.1850 \$1.1204 \$1.1289	\$2 \$1.0082 <u>\$1.1110</u>	2.20 \$22.20 \$2.1286 \$2.2405
Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$22.20 \$0.9266 \$0.0816 \$0.1850	\$2 \$1.0082 \$1.1110	2.20 \$22.20 \$2.1286 \$2.2405
45% Low Income Discount* 45% Low Income Discount* No Low Income Discount* 45% Low Income Discount*	Cost of Gas Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1.1204 \$1.1289 \$0.0000 (\$9.9900) \$0.0000 (\$0.4170) \$0.0000 (\$0.5042) (\$0.5080)	\$ 0.0000 (\$0.417	9.99) (\$9.99) 0) \$0.0000 (\$0.9250)
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$22.20 \$1.4053 \$0.0846 \$0.1850	\$2 \$1.48 69 \$1.5903	2.20 \$22.20 \$2.6073 \$2.7192

Cost of Gas \$1.1204 \$1.1289

*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 Issued by: Robert B. Hevert Effective: With Service Rendered On and After September November 1, 2022 Title:

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

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