#### CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: January 1, 2023 - April 30, 2023

Period Covered: January 1,	2023 - April 30, 2023				
(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</u>	per therm		
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	(\$0.0E44)	nor thorm		
ndirect 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 11/21/2022		(\$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)			
		, ,			
Period ending under-collection to be recovered as determined on 12/21/2022		(\$994,037)			
Projected Sales (01/01/23 - 04/30/2023)		24,038,417			
Per unit change in Cost of Gas (01/01/23 - 04/30/23)		(\$0.0414)			
RESIDENTIAL COST OF GAS RATE - 01/01/23	COGwr	\$1.0578	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			
CHANGE IN PER UNIT COST		(\$0.0414)			
RESIDENTIAL COST OF GAS RATES - 01/01/2023		\$1.0578			
COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/23	COGwl	\$0.9825	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			
CHANGE IN PER UNIT COST		(\$0.0414)			
COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/2023		\$0.9825			
COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/23	COGwh	\$1.0717	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			
CHANGE IN PER UNIT COST		(\$0.0414)			
COM/IND HIGH WINTER USE COST OF GAS RATES - 01/01/2023		\$1.0717			
Issued: December 21, 2022 Issued By:			Hevert		
Effective Date: January 1, 2023 Senior Vice President  Authorized by NHPUC Order No. 26,713, in Docket No. DG 22-059, dated October 27, 2022.					

Effective Date: January 1, 2023
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 Bille	<u>Total Billed Rates</u> Tariff Rates, LDAC	
	January 2023 - April 2023	Tariff	Delivery Rates	Tariff Rate		
		Rates	(Includes LDAC)	Plus Cost	of Gas	
Residential Heating	Tariff Rate R 5:					
	Monthly Customer Charge	\$22.20	\$22.2	0	\$22.20	
	All usage	\$0.9266	\$1.1137	\$2.1715		
	LDAC	\$0.1871				
	Gas Cost Adjustment:					
	Cost of Gas	\$1.0578				
Residential Heating	Tariff Rate R 10:					
Low Income	Monthly Customer Charge	\$22.20	\$22.2	0	\$22.20	
	All usage	\$0.9266	\$1.1137	\$2.1715		
	LDAC	\$0.1871		·		
	Gas Cost Adjustment:					
	Cost of Gas	\$1.0578				
45% Low Income Discount*	Monthly Customer Charge	(\$9.99)	(\$9.9	9)	(\$9.99)	
45% Low Income Discount*	All usage	(\$0.4170)	(\$0.4170)	(\$0.8930)	(40.00)	
No Low Income Discount	LDAC	\$0.0000	(+	(**************************************		
	Gas Cost Adjustment:	75.555				
45% Low Income Discount*	Cost of Gas	(\$0.4760)				
Residential Non-Heating	Tariff Rate R 6:					
Residential Non-Heating	Monthly Customer Charge	\$22.20	\$22.2	n	\$22.20	
	All usage	\$1.4053	\$1.5924	\$2.6502	Ψ22.20	
	LDAC	\$0.1871	Ψ1.J32 <del>4</del>	ΨZ.030Z		
	Gas Cost Adjustment:	φυ.10/1				
		\$1.0578				
	Cost of Gas	φ1.05/6				

<sup>\*:</sup> Discount applicable to winter months November through April only.

 Issued: December 21, 2022
 Issued by:
 Robert B. Hevert

 Effective: With Service Rendered On and After January 1, 2023
 Title:
 Senior Vice President

Authorized by NHPUC Order No. 26,713 in Docket No. DG 22-059, dated October 27, 2022 and by NHPUC Order No. 26,745 in Docket No. DE 22-081, dated December 14, 2022

### NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

#### **CURRENTLY EFFECTIVE C & I RATES**

	Winter Season January 2023 - 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:	\$80.00 \$0.2556 <b>\$0.0503</b>	\$80.00 \$0.3059	\$80.00 \$1.3776
	Cost of Gas	\$1.0717		
C&I Low Annual/Low Winter	Tariff Rate G 50:  Monthly Customer Charge  All usage  LDAC	\$80.00 \$0.2359 <b>\$0.0503</b>	\$80.00 \$0.2862	\$80.00 \$1.2687
	Gas Cost Adjustment: Cost of Gas	\$0.9825		
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 \$0.0503 \$1.0717	\$225.00 \$0.3386	\$225.00 \$1.4103
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 <b>\$0.0503</b> <b>\$0.9825</b>	\$225.00 \$0.2273	\$225.00 \$1.2098
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 <b>\$0.0503</b> <b>\$1.0717</b>	\$1,350.00 \$0.2688	\$1,350.00 \$1.3405
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 <b>\$0.0503</b> <b>\$0.9825</b>	\$1,350.00 \$0.2299	\$1,350.00 \$1.2124

Issued: December 21, 2022 Issued by: Robert B. Hevert

Effective: With Service Rendered On and After January 1, 2023 Title: Senior Vice President

Authorized by NHPUC Order No. 26,713 in Docket Nos. DG 22-059, dated October 27, 2022 and by NHPUC Order No. 26,745 in Docket No. DE 22-081, dated December 14, 2022

### CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: December 1, 2022 January 1, 2023 - April 30, 2023

(Col 1)	(Col 2)	(Col 3	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	n on the sum
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$10,341,068 \$31,667,112 \$42,008,180		\$0.2912 \$0.8918 <b>\$1.1830</b>	per therm 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
Period ending under-collection to be recovered as determined on 11/21/2022 Projected Sales (12/01/22 - 04/30/2023)  Per unit change in Cost of Gas (12/01/22 - 04/30/23)  Period ending under-collection to be recovered as determined on 12/21/2022 Projected Sales 01/01/23 - 04/30/2023)  Per unit change in Cost of Gas (01/01/23 - 04/30/23)			(\$914,844) 30,815,599 (\$0.0297) (\$994,037) 24,038,417 (\$0.0414)	
RESIDENTIAL COST OF GAS RATE - 12/01/22 01/01/2023	COGwr	\$1.0992	\$1.0578	per therm
	Maximum (COG+25%)		\$1.4111	
RESIDENTIAL COST OF GAS RATES - 11/01/2022 CHANGE IN PER UNIT COST RESIDENTIAL COST OF GAS RATES - 12/01/2022 CHANGE IN PER UNIT COST RESIDENTIAL COST OF GAS RATES - 01/01/2023			\$1.1289 (\$0.0297) \$1.0992 (\$0.0414) \$1.0578	
COM/IND LOW WINTER USE COST OF GAS RATE - 12/01/22 01/01/2023	COGwl	<del>\$1.0239</del>	\$0.9825	per therm
	Maximum (COG+25%)		\$1.3170	-
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2022 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 12/01/2022 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/2023			\$1.0536 (\$0.0297) \$1.0239 (\$0.0414) \$0.9825	
COM/IND HIGH WINTER USE COST OF GAS RATE - 12/01/22 01/01/2023	COGwh	<del>\$1.1131</del>	\$1.0717	per therm
	Maximum (COG+25%)		\$1.4285	
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2022 CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATES - 12/01/2022 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/2023			\$1.1428 (\$0.0297) \$1.1131 (\$0.0414) \$1.0717	
Issued: November 22 December 21, 2022 Effective Date: December 1, 2022 January 1, 2023 Authorized by NHPUC Order No. 26,713, in Docket No. DG 22-059, dated October	Issued By:		obert B. Hevert ior Vice Preside	

Robert B. Hevert Senior Vice President

Issued by:

Title:

### NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

#### CURRENTLY EFFECTIVE RESIDENTIAL RATES

Winter Season  December 2022 January 2023 - 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 \$0.1850 \$0.1871 \$1,0992 \$1.0578	\$22.20 <del>\$1.1116</del> \$1.1137	\$22.20 \$2.2108 \$2.1715	
		<u> </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 <b>\$0.1850 \$0.1871</b> <b>\$1.0992 \$1.0578</b>	\$22.20 <del>\$1.1116</del> \$1.1137	\$22.20 \$2.2108 \$2.1715	
45% Low Income Discoun 45% Low Income Discoun No Low Income Discount 45% Low Income Discoun	t* All usage LDAC Gas Cost Adjustment:	(\$9.99) (\$0.4170) \$0.0000 (\$0.4946) (\$0.4760)	(\$9.99 <b>(\$0.4170)</b>	(\$9.99) (\$0.8930)	
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 \$1.0992 \$1.0978	\$22.20 <b>\$1.5903</b> \$1.5924	\$22.20 \$2.6895 \$2.6502	

<sup>\*:</sup> Discount applicable to winter months November through April only.

Issued: November 22 December 21, 2022
Effective: With Service Rendered On and After December 1, 2022 January 1, 2023
Authorized by NHPUC Order No. 26,713 in Docket No. DG 22-059, dated October 27, 2022 and by NHPUC Order No. 26,745 in Docket No. DE 22-081, dated December 14, 2022

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

Winter Season <del>December 2022</del> <u>January 2023</u> - 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 \$0.0503 \$1.1134 \$1.0717	\$ <del>0.3049</del>	\$80.00 \$0.3059	\$ <del>1.4180</del>	\$80.00 <u>\$1.3776</u>
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 \$0.0503 \$1.0239 \$0.9825	\$ <del>0.2852</del>	\$80.00 \$0.2862	\$ <del>1.3091</del>	\$80.00 <u>\$1.2687</u>
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 \$0.0503 \$1.1131 \$1.0717	<del>\$0.3376</del>	\$225.00 \$0.3386	\$ <del>1.4507</del>	\$225.00 <u>\$1.4103</u>
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 \$0.0503 \$1.0239 \$0.9825	\$ <del>0.2263</del>	\$225.00 \$0.2273	\$ <del>1.2502</del>	\$225.00 \$1.2098
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 \$0.0503 \$1.1131 \$1.0717	\$ <del>0.267</del> 8	\$1,350.00 \$0.2688	\$ <del>1.3809</del>	\$1,350.00 <u>\$1.3405</u>
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 \$0.0503 \$1.0239 \$0.9825	\$ <del>0.2289</del>	\$1,350.00 \$0.2299	\$ <del>1.2528</del>	\$1,350.00 <u>\$1.2124</u>

Issued by:

Title:

Robert B. Hevert

**Senior Vice President** 

Issued: November 22 December 21, 2022
Effective: With Service Rendered On and After December 1, 2022 January 1, 2023
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