NHPUC No. 12 - Gas NORTHERN UTILITIES, INC.

Supplement No. 1

Second Revised Page 4

Superseding First Revised Page 4

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION WINTER SEASON RESIDENTIAL RATES

	Winter Season		Total	Total Bille	d Rates
	November 2021 - April 2022	Tariff	Delivery Rates	Tariff Rates	s, LDAC
		Rates	(Includes LDAC)	Plus Cost	of Gas
Residential Heating	Tariff Rate R 5:				
	Monthly Customer Charge	\$22.20	\$22.20		\$22.20
	First 50 therms	\$0.7603	\$0.8261	\$1.7236	
	All usage over 50 therms	\$0.7603	\$0.8261	\$1.7236	
	LDAC	\$0.0658			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.8975			
Residential Heating	Tariff Rate R 10:				
Low Income	Monthly Customer Charge	\$22.20	\$22.20		\$22.20
	First 50 therms	\$0.7603	\$0.8261	\$1.7236	+
	All usage over 50 therms	\$0.7603	\$0.8261	\$1.7236	
	LDAC	\$0.0658	,	•••••	
	Gas Cost Adjustment:				
	Cost of Gas	\$0.8975			
45% Low Income Discount	Monthly Customer Charge	(\$9.99)	(\$9.99)		(\$9.99)
45% Low Income Discount	First 50 therms	(\$0.3421)	(\$0.3421)	(\$0.7460)	(40.00)
45% Low Income Discount	All usage over 50 therms	(\$0.3421)	(\$0.3421)	(\$0.7460)	
No Discount		\$0.0000	(********)	(**** ****)	
	Gas Cost Adjustment:	\$0.0000			
45% Low Income Discount	Cost of Gas	(\$0.4039)			
Residential Non-Heating	Tariff Rate R 6:				
nesidential Non-Heating	Monthly Customer Charge	\$22.20	\$22.20		\$22.20
	First 10 therms	\$0.7153	\$0.7811	\$1.6786	<i>~</i> 20
	All usage over 10 therms	\$0.7153	\$0.7811	\$1.6786	
	LDAC	\$0.0658	\$0.7011	<i><i><i>w</i></i></i>	
	Gas Cost Adjustment:	ψ0.0000			
	Cost of Gas	\$0.8975			
		ψ0.0070			

Issued: December 21, 2021Issued by:Robert B. HevertEffective: With Service Rendered On and After January 1, 2022Title:Senior Vice PresidentAuthorized by NHPUC Order No. 26,539 in Docket No. DG 21-131, dated October 29, 2021Senior Vice President

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

	Winter Season		Total	Total Billed Rates
	November 2021 - April 2022	Tariff	Delivery Rates	Tariff Rates, LDAC
		Rates	(Includes LDAC)	Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40:			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.2090	\$0.2538	\$1.1672
	All usage over 75 therms	\$0.2090	\$0.2538	\$1.1672
	LDAC	\$0.0448		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.9134		
C&I Low Annual/Low Winter	Tariff Rate G 50:			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.2090	\$0.2538	\$1.0574
	All usage over 75 therms	\$0.2090	\$0.2538	\$1.0574
		\$0.0448	ψ0.2000	ψ1.00/4
	Gas Cost Adjustment:	\$0.0440		
	Cost of Gas	\$0.8036		

C&I Medium Annual/High Winter	Tariff Rate G 41:	* 000.04	****	* ****
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	All usage	\$0.2650	\$0.3098	\$1.2232
	LDAC	\$0.0448		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.9134		
C&I Medium Annual/Low Winter	Tariff Rate G 51:			
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	First 1,300 therms	\$0.1937	\$0.2385	\$1.0421
	All usage over 1,300 therms	\$0,1624	\$0.2072	\$1.0108
	LDAC	\$0.0448		******
	Gas Cost Adjustment:	ψ 0.0 440		
	Cost of Gas	\$0.8036		
C&I High Annual/High Winter	Tariff Rate G 42:	* 4 005 04		• • • • • • • •
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.2209	\$0.2657	\$1.1791
		\$0.0448		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.9134		
C&I High Annual/Low Winter	Tariff Rate G 52:			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.1945	\$0.2393	\$1.0429
	LDAC	\$0.0448		
	Gas Cost Adjustment:	+		
	Cost of Gas	\$0.8036		
<u> </u>		ψ0.0030		

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 Robert B. Hevert

 Effective: With Service Rendered On and After January 1, 2022
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 Senior Vice President

 Authorized by NHPUC Order Nos. 26,539 in Docket No. DG 21-131, dated October 29, 2021
 2021

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

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 (11/01/21 - 04/30/22)	\$32,005,179 35,339,329		
Direct Cost of Gas Rate		\$0.9057	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$12,798,284 \$ <u>19,206,895</u> \$32,005,179	\$0.3622 \$ <u>0.5435</u> \$0.9057	per therm per therm per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/21 - 04/30/22) Indirect Cost of Gas	\$1,185,012 35,339,329	\$0.0335	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.9392	per therm
Period ending under-collection to be recovered as determined on 12/21/2021 Projected Sales (01/01/22 - 04/30/2022) Per unit change in Cost of Gas (01/01/21 - 04/30/22)		(\$995,768) 23,905,700 (\$0.0417)	

RESIDENTIAL COST OF GAS RATE -01/01/22	COGwr	\$0.8975 per therm
	Maximum (COG+25%)	\$1.1740
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

COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/22	COGwl	\$0.8036 per therm
	Maximum (COG+25%)	\$1.0566
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2021 CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/202		\$0.8453 (\$0.0417) \$0.8036

COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/22	COGwh	\$0.9134 per therm
	Maximum (COG+25%)	\$1.1939
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2021 CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATES - 02/01/2022		\$0.9551 (\$0.0417) \$0.9134

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Senior Vice President

Senior Vice

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION WINTER SEASON RESIDENTIAL RATES

	Winter Season November 2021 - April 2022	Tariff Rates	Total Delivery Rates (Includes LDAC)	Tariff Ra	lled Rates tes, LDAC st 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 \$0.7603 \$0.7603 \$0.0658 \$0.9392 \$0.8975	\$22.20 \$0.8261 \$0.8261	\$1.7653 \$ 1.7653	\$22.20 <u>\$1.7236</u> <u>\$1.7236</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	\$22.20 \$0.7603 \$0.7603 \$0.0658 \$0.9392 <u>\$0.8975</u>	\$22.20 \$0.8261 \$0.8261	\$ 1.7653 \$ 1.7653	\$22.20 <u>\$1.7236</u> <u>\$1.7236</u>
45% Low Income Discount 45% Low Income Discount 45% Low Income Discount No Discount 45% Low Income Discount	Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment: Cost of Gas	(\$9.99) (\$0.3421) (\$0.3421) \$0.0000 (\$0.4226) (<u>\$0.4039)</u>	(\$9.99) <u>(\$0.3421)</u> (<u>\$0.3421</u>)	(\$0.7647)	(\$9.99) <u>(\$0.7460)</u> <u>(\$0.7460)</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 \$0.7153 \$0.7153 \$0.0658 \$0.9392 \$0.8975	\$22.20 \$0.7811 \$0.7811	\$1.7203 \$1.7203	\$22.20 <u>\$1.6786</u> <u>\$1.6786</u>

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NHPUC No. 12 - Gas NORTHERN UTILITIES, INC.

Supplement No. 1 First-Second Revised Page 5 Superseding Original First Revised Page 5

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

	Winter Season November 2021 - April 2022	Tariff Rates	Total Delivery Rates (Includes LDAC)	<u>Total Billed Rates</u> Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40: Monthly Customer Charge First 75 therms All usage over 75 therms LDAC Gas Cost Adjustment:	\$75.09 \$0.2090 \$0.2090 \$0.0448	\$75.09 \$0.2538 \$0.2538	\$75.09 \$1.2089 <u>\$1.1672</u> \$1.2089 <u>\$1.1672</u>
	Cost of Gas	<u>\$0.9551</u> <u>\$0.9134</u>		
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 \$0.2090 \$0.2090 \$0.0448 \$0.8453 \$0.8036	\$75.09 \$0.2538 \$0.2538	\$75.09 \$1.0991 <u>\$1.0574</u> \$1.0991 <u>\$1.0574</u>
[<u> </u>		
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	All usage LDAC <u>Gas Cost Adjustment:</u> Cost of Gas	\$0.2650 \$0.0448 \$0.9551 <u>\$0.9134</u>	\$0.3098	\$ 1.2649 <u>\$1.2232</u>
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge First 1,300 therms All usage over 1,300 therms LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1937 \$0.1624 \$0.0448 \$0.8453 <u>\$0.8036</u>	\$222.64 \$0.2385 \$0.2072	\$222.64 \$1.0838 <u>\$1.0421</u> \$1.0525 <u>\$1.0108</u>
C&I High Annual/High Winter	Tariff Rate G 42:			
	Monthly Customer Charge	\$1,335.81 \$0.2209	\$1,335.81 \$0.2657	\$1,335.81 \$1.2208 <u>\$1.1791</u>
	LDAC Gas Cost Adjustment: Cost of Gas	\$0.0448 \$0.9551 <u>\$0.9134</u>		
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage LDAC Gas Cost Adjustment:	\$0.1945 \$0.0448	\$0.2393	<mark>\$1.0846</mark> <u>\$1.0429</u>
	Cost of Gas	\$0.8453 <u>\$0.8036</u>		

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 Title:
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 2021

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

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 (11/01/21 - 04/30/22) Direct Cost of Gas Rate	\$32,005,179 35,339,329	\$0.9057	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$12,798,284 \$1 <u>9,206,895</u> \$32,005,179	\$0.3622 \$ <u>0.5435</u> \$0.9057	per therm per therm per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/21 - 04/30/22) Indirect Cost of Gas	\$1,185,012 35,339,329	\$0.0335	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.9392	per therm
Period ending under-collection to be recovered as determined on 12/21/2021 Projected Sales (01/01/22 - 04/30/2022) Per unit change in Cost of Gas (01/01/21 - 04/30/22)		<u>(\$995,768)</u> <u>23,905,700</u> <u>(\$0.0417)</u>	

RESIDENTIAL COST OF GAS RATE -11/01/21_01/01/2022	COGwr	\$0.8975 per therm
	Maximum (Initial COG+25%)	\$1.1740
RESIDENTIAL COST OF GAS RATES - 11/01/2021		<u>\$0.9392</u>
CHANGE IN PER UNIT COST		<u>(\$0.0417)</u>
RESIDENTIAL COST OF GAS RATES - 01/01/2022		<u>\$0.8975</u>

1/IND LOW WINTER USE COST OF GAS RATE - <u>11/01/21</u> 01/01/2022	COGwl	\$0.8453 \$0.8036 per therm
	Maximum (Initial COG+25%)	\$1.0566
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2021 CHANGE IN PER UNIT COST		<u>\$0.8453</u> (\$0.0417)
COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/2021		<u>\$0.8036</u>
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$668,845	
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	\$15,887	
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$684,732	
C&I HLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	2,692,919	
DEMAND COST OF GAS RATE	\$0.2543	
C&I HLF-COMMODITY COSTS ALLOCATED PER SMBA	\$1,503,327	
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$2,088)	
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$1,501,239	
C&I HLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	2,692,919	
COMMODITY COST OF GAS RATE	\$0.5575	
INDIRECT COST OF GAS	\$0.0335	
TOTAL C&I HLF COST OF GAS RATE	\$0.8453	

/IND HIGH WINTER USE COST OF GAS RATE - <u>11/01/21</u> 01/01/2022	COGwh	\$0.9551 <u>\$0.9134</u> per thern
	Maximum (Initial COG+25%)	\$1.1939
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2021		<u>\$0.9551</u>
CHANGE IN PER UNIT COST		<u>(\$0.0417)</u>
COM/IND HIGH WINTER USE COST OF GAS RATES - 01/01/2022		<u>\$0.9134</u>
C&ILLF COMMODITY COSTS ALLOCATED PER SMBA	\$5,898,495	
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$140,104	
C&ILLF TOTAL ADJUSTED DEMAND COSTS	\$6,038,599	
C&ILLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	<u>15,871,915</u>	
DEMAND COST OF GAS RATE	\$0.3805	
C&ILLF COMMODITY COSTS ALLOCATED PER SMBA	\$8,600,676	
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$11,944)	
C&ILLF TOTAL ADJUSTED COMMODITY COSTS	\$8,588,732	
C&ILLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	<u>15,871,915</u>	
COMMODITY COST OF GAS RATE	\$0.5 411	
INDIRECT COST OF GAS	\$0.0335	
TOTAL C&ILLF COST OF GAS RATE	\$0.9551	

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