CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: September 1, 2020 - October 31, 2020

Period Covered: September 1,	2020 - October 31, 2020		
(Col 1)	(Col 2)	(Col 3)	
Total Anticipated Direct Cost of Gas		()	
Projected Prorated Sales (05/01/20 - 10/31/20)	\$2,642,482 8,708,801		
Direct Cost of Gas Rate	.,,	\$0.3034	per therm
Demand Cost of Gas Rate	\$725,806	\$0.0833	per therm
Commodity Cost of Gas Rate	\$1,916,677	\$0.2201	per therm
Total Direct Cost of Gas Rate	\$2,642,482	\$0.3034	per therm
Total Anticipated Indirect Cost of Gas	(\$231,620)		
Projected Prorated Sales (05/01/20 - 10/31/20)	8,708,801		
Indirect Cost of Gas		(\$0.0266)	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.2768	per therm
Destruction of the second of t			
Period ending over-collection to be recovered - per April Report Projected sales (05/01/20 - 10/31/20)	(\$341,893) 8,708,801		
Per unit change in Cost of Gas (05/01/20 - 10/31/20)	(\$0.0393)		
1 of all to training and cost of case (cost 1/25)	(\$0.000)		
Period ending over-collection to be recovered - per June Report	(\$427,393)		
Projected sales (07/01/20 - 10/31/20)	4,862,235		
Per unit change in Cost of Gas (07/01/20 - 10/31/20)	(\$0.0879)		
Period ending under-collection to be recovered - per August Report	\$447,787		
Projected sales (09/01/20 - 10/31/20)	3,041,809		
Per unit change in Cost of Gas (09/01/20 - 10/31/20)	\$0.1472		
RESIDENTIAL COST OF GAS RATE - 09/01/20	COGwr	\$0.2968	per therm
	Maximum (COG+25%)	\$0.3460	-

INITIAL RESIDENTIAL COST OF GAS RATE - 05/01/20		\$0.2768	
CHANGE IN PER UNIT COST		(\$0.0393)	
REVISED RESIDENTIAL COST OF GAS RATE - 05/01/20		\$0.2375	
CHANGE IN PER UNIT COST		(\$0.0879)	
REVISED RESIDENTIAL COST OF GAS RATE - 07/01/20		\$0.1496	
CHANGE IN PER UNIT COST		\$0.1472	
REVISED RESIDENTIAL COST OF GAS RATE - 09/01/20		\$0.2968	

COMMIND LOW WINTED LICE COOT OF CAC DATE. 00/04/00	0001	£0.0040	
COM/IND LOW WINTER USE COST OF GAS RATE - 09/01/20	COGwl	\$0.2643	per therm
	Maximum (COG+25%)	\$0.3054	
INITIAL COM/IND LOW WINTER USE COST OF GAS RATE - 5/01/20		\$0.2443	
CHANGE IN PER UNIT COST		(\$0.0393)	
REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/20		\$0.2050	
CHANGE IN PER UNIT COST REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/20		(\$0.0879)	
CHANGE IN PER UNIT COST		\$0.1171 \$0.1472	
REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 09/01/20		\$0.2643	
COM/IND HIGH WINTER USE COST OF GAS RATE - 09/01/20	COGwh	\$0.3316	per therm
	Maximum (COG+25%)	\$0.3895	
	(\$0.00 0	
INITIAL COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20		\$0.3116	
CHANGE IN PER UNIT COST REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20		(\$0.0393)	
CHANGE IN PER UNIT COST		\$0.2723 (\$0.0879)	
REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/20		\$0.1844	
CHANGE IN PER UNIT COST		\$0.1472	
REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 09/01/20		\$0.3316	
Issued: August 21, 2020	Issued By:	Robert B.	Hevert
Effective Date: September 1, 2020	20, 2040	Senior Vice	President
Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October	29, 2019.		

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER SEASON RESIDENTIAL RATES

	Summer Season		Total	Total Billed Ra	ates
	September 2020 - October 2020	Tariff	Delivery Rates	Tariff Rates, L	DAC
		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	\$0.6099	\$0.6805	\$0.9773	
	All usage over 50 therms	\$0.6099	\$0.6805	\$0.9773	
	LDAC	\$0.0706			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.2968			
Residential Heating	Tariff Rate R 10:				
Low Income	Monthly Customer Charge	\$8.88	\$8.88	!	\$8.88
	First 50 therms	\$0.2440	\$0.3146	\$0.6114	
	All usage over 50 therms	\$0.2440	\$0.3146	\$0.6114	
	LDAC	\$0.0706			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.2968			
Residential Non-Heating	Tariff Rate R 6:				
	Monthly Customer Charge	\$22.20	\$22.20	\$	22.20
	First 10 therms	\$0.6470	\$0.7176	\$1.0144	
	All usage over 10 therms	\$0.6470	\$0.7176	\$1.0144	
	LDAC	\$0.0706			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.2968			

Issued: August 21, 2020

Effective: With Service Rendered On and After September 1, 2020 Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019. Issued by: Title: Robert B. Hevert Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

SUMMER SEASON C&I RATES

	Summer Season		Total	Total Billed Rates
	September 2020 - October 2020	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	\$0.1865	\$0.2224	\$0.5540
	All usage over 75 therms	\$0.1865	\$0.2224	\$0.5540
	LDAC	\$0.0359		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.3316		
C&I Low Annual/Low Winter	Tariff Rate G 50:			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.1865	\$0.2224	\$0.4867
	All usage over 75 therms	\$0.1865	\$0.2224	\$0.4867
	LDAC	\$0.0359	7 V	70.100.
	Gas Cost Adjustment:	1		
	Cost of Gas	\$0.2643		
C&I Medium Annual/High Winter	Tariff Rate G 41:			
Car Medidili Allildai/ Figir Wiliter	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	All usage	\$0.1895	\$0.2254	\$0.5570
	LDAC	\$0.0359	ψ0.2204	ψ0.0070
	Gas Cost Adjustment:	ψ0.0333		
	Cost of Gas	\$0.3316		
00104 11 14 14 14 14 14	Towiff Data C E4:			
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	First 1,000 therms	\$0.1337	\$0.1696	\$0.4339
	,	· ·	• • • • • • • • • • • • • • • • • • • •	•
	All usage over 1,000 therms	\$0.1087	\$0.1446	\$0.4089
	LDAC	\$0.0359		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.2643		
C&I High Annual/High Winter	Tariff Rate G 42:			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.1206	\$0.1565	\$0.4881
	LDAC	\$0.0359		
	Gas Cost Adjustment:	,		
	Cost of Gas	\$0.3316		
COLUMN Assessed to the second				
C&I High Annual/Low Winter	Tariff Rate G 52:	\$1,335.81	\$1,335.81	\$1,335.81
	Monthly Customer Charge	\$0.0792	\$1,335.61 \$0.1151	• •
	All usage	*	Φ 0.1151	\$0.3794
	LDAC	\$0.0359		
	Gas Cost Adjustment:	\$0.2643		
	Cost of Gas	⊉U.∠ 043		

Issued: August 21, 2020

Effective: With Service Rendered On and After September 1, 2020

Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019.

Issued by:

Robert B. Hevert

Title:

Senior Vice President

CALCULATION OF FIRM SALES COST OF GAS RATE

	Period Covered:	July September	1, 2020	 October 31 	, 2020
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(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas Projected Prorated Sales (05/01/20 - 10/31/20) Direct Cost of Gas Rate	\$2,642,482 8,708,801	\$0.3034 per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$725,806 \$1 <u>,916,677</u> \$2,642,482	\$0.0833 per therm \$0.2201 per therm \$0.3034 per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (05/01/20 - 10/31/20) Indirect Cost of Gas	(\$231,620) 8,708,801	(\$0.0266) per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$0.2768 per therm
Period ending over-collection to be recovered - per April Report Projected sales (05/01/20 - 10/31/20) Per unit change in Cost of Gas (05/01/20 - 10/31/20)	(\$341,893) 8,708,801 (\$0.0393)	
Period ending over-collection to be recovered - per June Report Projected sales (07/01/20 - 10/31/20) Per unit change in Cost of Gas (07/01/20 - 10/31/20)	(\$427,393) 4,862,235 (\$0.0879)	
Period ending under-collection to be recovered - per August Report Projected sales (09/01/20 - 10/31/20) Per unit change in Cost of Gas (09/01/20 - 10/31/20)	\$447,787 3,041,809 \$0.1472	

RESIDENTIAL COST OF GAS RATE - 07/01/2009/01/20	COGwr	\$0.1496	<u>\$0.2968</u>	per therm
	Maximum (COG+25%)		\$0.3460	
INITIAL RESIDENTIAL COST OF GAS RATE - 05/01/20 CHANGE IN PER UNIT COST REVISED RESIDENTIAL COST OF GAS RATE - 05/01/20 CHANGE IN PER UNIT COST REVISED RESIDENTIAL COST OF GAS RATE - 07/01/20 CHANGE IN PER UNIT COST REVISED RESIDENTIAL COST OF GAS RATE - 09/01/20			\$0.2768 (\$0.0393) \$0.2375 (\$0.0879) \$0.1496 \$0.1472 \$0.2968	

COM/IND LOW WINTER USE COST OF GAS RATE - 07/04/2009/01/20	COGwl	\$0.1171	<u>\$0.2643</u>	per therm
	Maximum (COG+25%)		\$0.3054	
INITIAL COM/IND LOW WINTER USE COST OF GAS RATE - 5/01/20			\$0.2443	
CHANGE IN PER UNIT COST			(\$0.0393)	
REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/20			\$0.2050	
CHANGE IN PER UNIT COST			(\$0.0879)	
REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 07/01/20			\$0.1171	
CHANGE IN PER UNIT COST			\$0.1472	
REVISED COM/IND LOW WINTER USE COST OF GAS RATE - 09/01/20			\$0.2643	

COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/2009/01/20	COGwh	\$0.1844	<u>\$0.3316</u> per therm
	Maximum (COG+25%)		\$0.3895
INITIAL COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20			\$0.3116
CHANGE IN PER UNIT COST REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20			(\$0.0393) \$0.2723
CHANGE IN PER UNIT COST REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/20			(\$0.0879) \$0.1844
CHANGE IN PER UNIT COST			<u>\$0.1472</u>
REVISED COM/IND HIGH WINTER USE COST OF GAS RATE - 09/01/20			\$0.3316

Laurence M. Brock Robert B. Heverit
Senior Vice President Issued: June 23 August 21, 2020 Issued By:

Effective Date: dulySeptember 1, 2020
Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019.

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER-SEASON RESIDENTIAL RATES

	Summer Season JulySeptember 2020 - October 2020	Tariff Rates	Total Delivery Rates	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
Desidential Heating	Toviff Data D.5:	Rates	(Includes LDAC)	Plus Cost of Gas
Residential Heating	Tariff Rate R 5:	#00.00	¢22.20	£22.20
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 50 therms	\$0.6099	\$0.6805	\$0.8301 <u>\$0.9773</u>
	All usage over 50 therms	\$0.6099	\$0.6805	\$ 0.8301 \$0.9773
	LDAC	\$0.0706		
	Gas Cost Adjustment:			
	Cost of Gas	\$0.1496 \$0.2968		
Residential Heating	Tariff Rate R 10:			
Low income	Monthly Customer Charge	\$8.88	\$8.88	\$8.88
	First 50 therms	\$0.2440	\$0.3146	\$ 0.4642 \$0.6114
	All usage over 50 therms	\$0.2440	\$0.3146	\$0.4642 \$0.6114
	LDAC	\$0.0706	, , , , ,	
	Gas Cost Adjustment:	,		
	Cost of Gas	\$0.1496 \$0.2968		
Residential Non-Heating	Tariff Rate R 6:			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 10 therms	\$0.6470	\$0.7176	\$ 0.8672 \$1.0144
	All usage over 10 therms	\$0.6470	\$0.7176	\$0.8672 \$1.0144
	LDAC	\$0.0706	40.7170	ψ1.01 11
		ψ0.0700		
	Gas Cost Adjustment:	en 440c en 20co		
	Cost of Gas	\$0.1496 <u>\$0.2968</u>		

Issued: June 23, August 21, 2020 Effective Date: July September 1, 2020

Authorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019.

Issued by: Laurence M. Brock Robert B. Hevert Title: Senior Vice President

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

	Summer Season Jul y <u>September</u> 2020 - October 2020	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: Cost of Gas	\$75.09 \$0.1865 \$0.1865 \$0.0359 \$0.1844 \$0.3316	\$75.09 \$0.2224 \$0.2224	\$75.09 \$0.4068 \$0.5540 \$0.4068 \$0.5540
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 \$0.1865 \$0.1865 \$0.0359 \$0.4174 \$0.2643	\$75.09 \$0.2224 \$0.2224	\$75.09 \$0.3395 \$0.4867 \$0.3395 \$0.4867
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1895 \$0.0359 \$0.1844 \$0.3316	\$222.64 \$0.2254	\$222.64 \$0.4098 \$0.5570
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge First 1,000 therms All usage over 1,000 therms LDAC Gas Cost Adjustment: Cost of Gas	\$222.64 \$0.1337 \$0.1087 \$0.0359 \$0.1171 \$0.2643	\$222.64 \$0.1696 \$0.1446	\$222.64 \$0.2867 \$0.4339 \$0.2617 \$0.4089
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.1206 \$0.0359 \$0.1844 \$0.3316	\$1,335.81 \$0.1565	\$1,335.81 \$0.3409 <u>\$0.4881</u>
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,335.81 \$0.0792 \$0.0359 \$0.1171 \$0.2643	\$1,335.81 \$0.1151	\$1,335.81 \$0.2322 \$0.3794

Issued: June 23, August 21, 2020 Effective Date: July September 1, 2020

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Title:

Senior Vice President