

# **Northern Utilities, Inc.**

## **New Hampshire Division**

### **2020 / 2021 WINTER & SUMMER SEASON PROPOSED COST OF GAS ADJUSTMENT**

**WINTER RATES TO BE EFFECTIVE NOVEMBER 1, 2020**

**SUMMER RATES TO BE EFFECTIVE MAY 1, 2021**

**FILED SEPTEMBER 17, 2020**

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**Northern Utilities, Inc.**  
**New Hampshire Division**  
**2020 / 2021 Annual Cost of Gas Filing**  
**Winter and Summer Periods**

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### Anticipated Cost of Gas

New Hampshire Division  
Period Covered: November 1, 2020 - April 30, 2021

(Col 1)	(Col 2)	(Col 3)
<b><u>ANTICIPATED DIRECT COST OF GAS</u></b>		
<b>Purchased Gas:</b>		
Demand Costs:	\$4,596,721	
Supply Costs:	\$8,233,230	
<b>Storage &amp; Peaking Gas:</b>		
Demand, Capacity:	\$11,702,910	
Commodity Costs:	\$2,618,320	
<b>Interruptible Included Above</b>	\$0	
<b>Inventory Finance Charge</b>	\$1,266	
<b>Capacity Release, &amp; Asset Management</b>	(\$3,272,870)	
<b>Re-entry Rate &amp; Conversion Rate Revenues</b>	\$ (5,000)	
<b>Total Anticipated Direct Cost of Gas</b>		<b><u>\$23,874,576</u></b>
<b><u>ANTICIPATED INDIRECT COST OF GAS</u></b>		
<b>Adjustments:</b>		
Prior Period Under/(Over) Collection	\$614,082	
Interest	(\$44,016)	
Refunds	\$0	
<u>Interruptible Margins</u>	<u>\$0</u>	
Total Adjustments		\$570,066
<b>Working Capital:</b>		
Total Anticipated Direct Cost of Gas	\$23,874,576	
Working Capital Percentage	<u>0.0892%</u>	
Working Capital Allowance	\$ 21,301	
Plus: Working Capital Reconciliation (Acct 173)	<u>(\$35,910)</u>	
Total Working Capital Allowance		(\$14,609)
<b>Bad Debt:</b>		
Bad Debt Allowance	\$156,687	
Plus: Bad Debt Reconciliation (Acct 173)	(\$4,239)	
Total Bad Debt Allowance		\$152,448
<b>Local Production and Storage Capacity</b>		\$476,106
<b>Miscellaneous Overhead-81.23% Allocated to WinterSeason</b>		<u>\$471,532</u>
<b>Total Anticipated Indirect Cost of Gas</b>		<b>\$1,655,544</b>
<b>Total Cost of Gas</b>		<b><u>\$25,530,120</u></b>

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Effective Date: November 1, 2020

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Issued By: Robert B. Hevert  
Senior Vice President



### Anticipated Cost of Gas

#### New Hampshire Division

Period Covered: May 1, 2021 - October 31, 2021

	(Col 1)	(Col 2)	(Col 3)
<b><u>ANTICIPATED DIRECT COST OF GAS</u></b>			
<b>Purchased Gas:</b>			
Demand Costs:		\$842,503	
Supply Costs:		\$2,140,506	
<b>Storage &amp; Peaking Gas:</b>			
Demand, Capacity:		\$332,957	
Commodity Costs:		\$25,153	
<b>Interruptible Included Above</b>		\$0	
<b>Inventory Finance Charge</b>		\$0	
<b>Capacity Release &amp; Asset Management</b>		\$0	
<b>Re-entry Rate and Conversion Rate Revenues</b>		\$0	
<b>Total Anticipated Direct Cost of Gas</b>			<u>\$3,341,118</u>
<b><u>ANTICIPATED INDIRECT COST OF GAS</u></b>			
<b>Adjustments:</b>			
Prior Period Under/(Over) Collection		\$141,851	
Interest		(\$43,640)	
Refunds		\$0	
<u>Interruptible Margins</u>		\$0	
Total Adjustments			\$98,211
<b>Working Capital:</b>			
Total Anticipated Direct Cost of Gas		\$3,341,119	
Working Capital Percentage		<u>0.0892%</u>	
Working Capital Allowance		\$2,981	
Plus: Working Capital Reconciliation (Acct 173)		<u>(\$8,295)</u>	
Total Working Capital Allowance			(\$5,314)
<b>Bad Debt:</b>			
Bad Debt Allowance		\$14,144	
Plus: Bad Debt Reconciliation (Acct 173)		(\$979)	
Total Bad Debt Allowance			\$13,166
<b>Local Production and Storage Capacity</b>			\$0
<b>Miscellaneous Overhead-18.77% Allocated to the Summer Season</b>			\$108,923
<b>Total Anticipated Indirect Cost of Gas</b>			\$214,984
<b>Total Cost of Gas</b>			<u>\$3,556,103</u>

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**CALCULATION OF FIRM SALES COST OF GAS RATE**

Period Covered: November 1, 2020 - April 30, 2021

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$23,874,576	
Projected Prorated Sales (11/01/20 - 04/30/21)	34,897,412	
<b>Direct Cost of Gas Rate</b>		\$0.6841 per therm
<b>Demand Cost of Gas Rate</b>	\$13,021,761	\$0.3731 per therm
<b>Commodity Cost of Gas Rate</b>	<u>\$10,851,549</u>	<u>\$0.3110</u> per therm
<b>Total Direct Cost of Gas Rate</b>	<u>\$23,874,576</u>	<b>\$0.6841</b> per therm
Total Anticipated Indirect Cost of Gas	\$1,655,544	
Projected Prorated Sales (11/01/20 - 04/30/21)	34,897,412	
<b>Indirect Cost of Gas</b>		\$0.0474 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>		<b>\$0.7315 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE -11/01/20</b>	<b>COGwr</b>	<b>\$0.7315 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.9144</b>

<b>COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/20</b>	<b>COGwl</b>	<b>\$0.6465 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.8081</b>

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$601,051
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	<u>\$31,569</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$632,620
C&I HLF PROJECTED PRORATED SALES (11/01/20 - 04/30/21)	2,277,711
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.2777</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$733,070
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>(\$940)</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$732,130
C&I HLF PROJECTED PRORATED SALES (11/01/20 - 04/30/21)	2,277,711
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.3214</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0474</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.6465</b>

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/20</b>	<b>COGwh</b>	<b>\$0.7437 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.9296</b>

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$5,855,245
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$307,534</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$6,162,780
C&I LLF PROJECTED PRORATED SALES (11/01/20 - 04/30/21)	15,933,486
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.3868</b>
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$4,937,736
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$6,330)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$4,931,406
C&I LLF PROJECTED PRORATED SALES (11/01/20 - 04/30/21)	15,933,486
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.3095</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0474</b>
<b>TOTAL C&amp;I LLF COST OF GAS RATE</b>	<b>\$0.7437</b>

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Senior Vice President

**CALCULATION OF FIRM SALES COST OF GAS RATE**

Period Covered: May 1, 2021 - October 31, 2021

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$3,341,119	
Projected Prorated Sales (05/01/21 - 10/31/21)	8,061,210	
<b>Direct Cost of Gas Rate</b>		\$0.4146 per therm
<b>Demand Cost of Gas Rate</b>	\$1,175,460	\$0.1458 per therm
<b>Commodity Cost of Gas Rate</b>	<u>\$2,165,659</u>	<u>\$0.2687</u> per therm
<b>Total Direct Cost of Gas Rate</b>	\$3,341,119	<b>\$0.4145</b> per therm
Total Anticipated Indirect Cost of Gas	\$214,984	
Projected Prorated Sales (05/01/21 - 10/31/21)	8,061,210	
<b>Indirect Cost of Gas</b>		\$0.0267 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>		<b>\$0.4412 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE -05/01/21</b>	<b>COGwr</b>	<b>\$0.4412 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.5515</b>

<b>COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/21</b>	<b>COGwl</b>	<b>\$0.3943 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.4929</b>

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$178,339
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	<u>\$10,993</u>
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$189,332
C&I HLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)	1,912,209
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.0990</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$513,718
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	<u>(\$69)</u>
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$513,650
C&I HLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)	1,912,209
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2686</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0267</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.3943</b>

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/21</b>	<b>COGwh</b>	<b>\$0.4733 per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.5916</b>

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$452,907
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	<u>\$27,917</u>
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$480,823
C&I LLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)	2,701,981
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.1780</b>
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$725,892
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	<u>(\$97)</u>
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$725,795
C&I LLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)	2,701,981
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.2686</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0267</b>
<b>TOTAL C&amp;I LLF COST OF GAS RATE</b>	<b>\$0.4733</b>

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Senior Vice President

**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION  
WINTER SEASON RESIDENTIAL RATES**

<b>Winter Season November 2020 - April 2021</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>	<b>Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas</b>
Residential Heating	<b><u>Tariff Rate R 5:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 50 therms	\$0.6920	\$0.8019	\$1.5334
	All usage over 50 therms	\$0.6920	\$0.8019	\$1.5334
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.7315</b>		
Residential Heating Low Income	<b><u>Tariff Rate R 10:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 50 therms	\$0.6920	\$0.8019	\$1.5334
	All usage over 50 therms	\$0.6920	\$0.8019	\$1.5334
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.7315</b>		
	45% Low Income Discount	(\$9.99)	(\$9.99)	(\$9.99)
	45% Low Income Discount	(\$0.3114)	(\$0.3114)	(\$0.6406)
	45% Low Income Discount	(\$0.3114)	(\$0.3114)	(\$0.6406)
45% Low Income Discount	<b>LDAC</b>	\$0.0000		
No Discount	<b><u>Gas Cost Adjustment:</u></b>			
45% Low Income Discount	Cost of Gas	(\$0.3292)		
Residential Non-Heating	<b><u>Tariff Rate R 6:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 10 therms	\$0.6470	\$0.7569	\$1.4884
	All usage over 10 therms	\$0.6470	\$0.7569	\$1.4884
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.7315</b>		

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**NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION**  
**SUMMER SEASON RESIDENTIAL RATES**

<b>Summer Season May 2021 - October 2021</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>	<b><u>Total Billed Rates</u> Tariff Rates, LDAC Plus Cost of Gas</b>
Residential Heating	<b><u>Tariff Rate R 5:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 50 therms	\$0.6099	\$0.7198	\$1.1610
	All usage over 50 therms	\$0.6099	\$0.7198	\$1.1610
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.4412</b>		
Residential Heating Low Income	<b><u>Tariff Rate R 10:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 50 therms	\$0.6099	\$0.7198	\$1.1610
	All usage over 50 therms	\$0.6099	\$0.7198	\$1.1610
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.4412</b>		
No Discount*	Monthly Customer Charge	\$0.00	\$0.00	\$0.00
No Discount*	First 50 therms	\$0.0000	\$0.0000	\$0.0000
No Discount*	All usage over 50 therms	\$0.0000	\$0.0000	\$0.0000
No Discount	<b>LDAC</b>	\$0.0000		
No Discount*	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	\$0.0000		
Residential Non-Heating	<b><u>Tariff Rate R 6:</u></b>			
	Monthly Customer Charge	\$22.20	\$22.20	\$22.20
	First 10 therms	\$0.6470	\$0.7569	\$1.1981
	All usage over 10 therms	\$0.6470	\$0.7569	\$1.1981
	<b>LDAC</b>	<b>\$0.1099</b>		
	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<b>\$0.4412</b>		

\*: Discount applicable to winter months November through April only.

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**Title: Senior Vice President**

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

Winter Season November 2020 - April 2021		Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	<b><u>Tariff Rate G 40:</u></b> Monthly Customer Charge First 75 therms All usage over 75 therms <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$75.09 \$0.1865 \$0.1865 <b>\$0.0472</b>  <b>\$0.7437</b>	 <b>\$75.09</b> <b>\$0.2337</b> <b>\$0.2337</b>   	 <b>\$75.09</b> <b>\$0.9774</b> <b>\$0.9774</b>   
C&I Low Annual/Low Winter	<b><u>Tariff Rate G 50:</u></b> Monthly Customer Charge First 75 therms All usage over 75 therms <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$75.09 \$0.1865 \$0.1865 <b>\$0.0472</b>  <b>\$0.6465</b>	 <b>\$75.09</b> <b>\$0.2337</b> <b>\$0.2337</b>   	 <b>\$75.09</b> <b>\$0.8802</b> <b>\$0.8802</b>   
C&I Medium Annual/High Winter	<b><u>Tariff Rate G 41:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$222.64 \$0.2425 <b>\$0.0472</b>  <b>\$0.7437</b>	 <b>\$222.64</b> <b>\$0.2897</b>   	 <b>\$222.64</b> <b>\$1.0334</b>   
C&I Medium Annual/Low Winter	<b><u>Tariff Rate G 51:</u></b> Monthly Customer Charge First 1,300 therms All usage over 1,300 therms <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$222.64 \$0.1712 \$0.1399 <b>\$0.0472</b>  <b>\$0.6465</b>	 <b>\$222.64</b> <b>\$0.2184</b> <b>\$0.1871</b>   	 <b>\$222.64</b> <b>\$0.8649</b> <b>\$0.8336</b>   
C&I High Annual/High Winter	<b><u>Tariff Rate G 42:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$1,335.81 \$0.1984 <b>\$0.0472</b>  <b>\$0.7437</b>	 <b>\$1,335.81</b> <b>\$0.2456</b>   	 <b>\$1,335.81</b> <b>\$0.9893</b>   
C&I High Annual/Low Winter	<b><u>Tariff Rate G 52:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b><u>Gas Cost Adjustment:</u></b> Cost of Gas	\$1,335.81 \$0.1720 <b>\$0.0472</b>  <b>\$0.6465</b>	 <b>\$1,335.81</b> <b>\$0.2192</b>   	 <b>\$1,335.81</b> <b>\$0.8657</b>   

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Title: Senior Vice President

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

<b>Summer Season May 2021 - October 2021</b>		<b>Tariff Rates</b>	<b>Total Delivery Rates (Includes LDAC)</b>	<b>Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas</b>
C&I Low Annual/High Winter	<b><u>Tariff Rate G 40:</u></b> Monthly Customer Charge First 75 therms All usage over 75 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$75.09 \$0.1865 \$0.1865 <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$75.09</b> <b>\$0.2337</b> <b>\$0.2337</b> <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$75.09</b> <b>\$0.7070</b> <b>\$0.7070</b> <b>\$0.0472</b> <b>\$0.4733</b>
C&I Low Annual/Low Winter	<b><u>Tariff Rate G 50:</u></b> Monthly Customer Charge First 75 therms All usage over 75 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$75.09 \$0.1865 \$0.1865 <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$75.09</b> <b>\$0.2337</b> <b>\$0.2337</b> <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$75.09</b> <b>\$0.6280</b> <b>\$0.6280</b> <b>\$0.0472</b> <b>\$0.3943</b>
C&I Medium Annual/High Winter	<b><u>Tariff Rate G 41:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$222.64 \$0.1895 <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$222.64</b> <b>\$0.2367</b> <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$222.64</b> <b>\$0.7100</b> <b>\$0.0472</b> <b>\$0.4733</b>
C&I Medium Annual/Low Winter	<b><u>Tariff Rate G 51:</u></b> Monthly Customer Charge First 1,000 therms All usage over 1,000 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$222.64 \$0.1337 \$0.1087 <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$222.64</b> <b>\$0.1809</b> <b>\$0.1559</b> <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$222.64</b> <b>\$0.5752</b> <b>\$0.5502</b> <b>\$0.0472</b> <b>\$0.3943</b>
C&I High Annual/High Winter	<b><u>Tariff Rate G 42:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$1,335.81 \$0.1206 <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$1,335.81</b> <b>\$0.1678</b> <b>\$0.0472</b> <b>\$0.4733</b>	<b>\$1,335.81</b> <b>\$0.6411</b> <b>\$0.0472</b> <b>\$0.4733</b>
C&I High Annual/Low Winter	<b><u>Tariff Rate G 52:</u></b> Monthly Customer Charge All usage <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$1,335.81 \$0.0792 <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$1,335.81</b> <b>\$0.1264</b> <b>\$0.0472</b> <b>\$0.3943</b>	<b>\$1,335.81</b> <b>\$0.5207</b> <b>\$0.0472</b> <b>\$0.3943</b>

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## **VII. DELIVERY SERVICE TERMS AND CONDITIONS**

### **APPENDIX A**

#### **Schedule of Administrative Fees and Charges**

**I. Supplier Balancing Charge:**      **\$0.71 per MMBtu** of Daily Imbalance Volumes

- Updated effective every November 1 to reflect the Company's latest balancing resources and associated capacity costs.
- Daily Imbalance Volumes represent the difference between ATV and ATV adjusted for actual EDDs.

**II. Peaking Service Demand Charge:**      **\$ 64.53 per MMBtu** per MDPQ per month for November 2020 through April 2021. Provided on Page 6 of Schedule 21-FXW.

- Updated effective every November 1 to reflect the Company's Peaking resources and associated costs.

**III. Company Allowance Calculation:**      **1.30%** - Provided in Schedule 18-FXW

**IV. Supplier Services and Associated Fees:**

<b><u>SERVICE</u></b>	<b><u>PRICING</u></b>
Pool Administration (required) <b>Non-Daily Metered Pools only</b>	• \$0.10/month/customer billed @ marketer level
Standard Passthrough Billing (required)	• \$0.60/customer/month billed @ marketer level
Standard Complete Billing (optional – Passthrough Billing fee not required if this service is elected)	• \$1.50/customer/month billed @ marketer level
Customer Administration (required)	• \$10/customer/switch billed @ marketer level

**V. Meter Read Charge:**      \$78.00 when customer phone line is not reporting daily data

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**VII. DELIVERY SERVICE TERMS AND CONDITIONS**

**APPENDIX C**

**Capacity Allocators**

Capacity Allocators shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Capacity Allocators shall be applicable for capacity assignments during the period of November 1, 2020 through October 31, 2021.

Commercial and Industrial

	<u>High Winter Use</u>	<u>Low Winter Use</u>
Pipeline:	23.23%	57.23%
Storage:	31.91%	17.78%
Peaking:	44.86%	24.99%

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Senior Vice President

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**VII. DELIVERY SERVICE TERMS AND CONDITIONS (continued)**

**Appendix D**

**Re-entry Surcharge and Conversion Surcharge  
(continued)**

**D. Information to be Filed with the Commission:**

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, 2020 through April 30, 2021 and May 1, 2021 through October 2021.

<b>Effective Dates:</b>	<b>November 1, 2020 – April 30, 2021</b>	<b>May 1, 2021 – October 30, 2021</b>
<b>Re-entry Surcharge:</b>	\$0.0012 per therm	\$0.0011 per therm
<b>Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):</b>	\$0.0012 per therm	\$0.0011 per therm
<b>Conversion Surcharge, High Load Factor (G-50, G-51, G-52):</b>	\$0.0984 per therm	\$0.0011 per therm

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# Anticipated Cost of Gas

## New Hampshire Division

Period Covered: November 1, 2019~~20~~ - October 31, 2020~~21~~

(Col 1)	(Col 2)	(Col 3)
<b>ANTICIPATED DIRECT COST OF GAS</b>		
<b>Purchased Gas:</b>		
Demand Costs:	\$ <del>1,399,977</del>	\$ 4,596,721
Supply Costs:	\$ <del>4,289,717</del>	\$ 8,233,230
<b>Storage &amp; Peaking Gas:</b>		
Demand, Capacity:	\$ <del>12,012,257</del>	\$ 11,702,910
Commodity Costs:	\$ <del>9,816,975</del>	\$ 2,618,320
<b>Interruptible Included Above</b>	\$ <del>          </del>	\$ -
<b>Inventory Finance Charge</b>	\$ <del>2,734</del>	\$ 1,266
<b>Capacity Release</b>	\$ <del>(6,067,829)</del>	\$ (3,272,870)
<b>Re-entry Rate &amp; Conversion Rate Revenues</b>	\$ <del>(10,000)</del>	\$ (5,000)
<b>Total Anticipated Direct Cost of Gas</b>	\$ <del>21,453,831</del>	\$ 23,874,576
<b>ANTICIPATED INDIRECT COST OF GAS</b>		
<b>Adjustments:</b>		
Prior Period Under/(Over) Collection	\$ <del>(1,406,949)</del>	\$ 614,082
Interest	\$ <del>(29,113)</del>	\$ (44,016)
Refunds	\$ <del>          </del>	\$ -
<u>Interruptible Margins</u>	\$ <del>          </del>	\$ <del>          </del>
Total Adjustments	\$ <del>(1,436,062)</del>	\$ 570,066
<b>Working Capital:</b>		
Total Anticipated Direct Cost of Gas	\$ <del>21,453,831</del>	\$ 23,874,576
Working Capital Percentage	<del>0.2880%</del>	<u>0.0892%</u>
Working Capital Allowance	\$ <del>61,778</del>	\$ 21,301
Plus: Working Capital Reconciliation (Acct 173)	\$ <del>(35,633)</del>	\$ (35,910)
Total Working Capital Allowance	\$ <del>26,145</del>	\$ (14,609)
<b>Bad Debt:</b>		
Bad Debt Allowance	\$ <del>153,235</del>	\$ 156,687
Plus: Bad Debt Reconciliation (Acct 173)	\$ <del>(2,792)</del>	\$ (4,239)
Total Bad Debt Allowance	\$ <del>150,444</del>	\$ 152,448
<b>Local Production and Storage Capacity</b>	\$ <del>476,106</del>	\$ 476,106
<b>Miscellaneous Overhead</b> <del>80.55</del> <u>81.23</u> % Allocated to Winter Season	\$ <del>467,545</del>	\$ 471,532
<b>Total Anticipated Indirect Cost of Gas</b>	\$ <del>(315,822)</del>	\$ 1,655,544
<b>Total Cost of Gas</b>	\$ <del>21,138,010</del>	\$ 25,530,120

Issued: November 1, 2019 September 17, 2020  
Effective Date: November 1, 2019~~20~~

Issued By: Robert B. Hevert  
~~Christine Vaughan~~  
Senior Vice President

Anticipated Cost of Gas				
New Hampshire Division				
Period Covered: May 1, 202021 - October 31, 202021				
(Col 1)	(Col 2)	(Col 2)	(Col 3)	(Col 3)
<b>ANTICIPATED DIRECT COST OF GAS</b>				
<b>Purchased Gas:</b>				
Demand Costs:	\$374,176	\$842,503		
Supply Costs:	\$1,901,121	\$2,140,506		
<b>Storage &amp; Peaking Gas:</b>				
Demand, Capacity:	\$351,629	\$332,957		
Commodity Costs:	\$15,556	\$25,153		
<b>Interruptible Included Above</b>	\$0	\$0		
<b>Inventory Finance Charge</b>	\$0	\$0		
<b>Capacity Release &amp; Asset Management</b>	\$0	\$0		
<b>Re-entry Rate &amp; Conversion Rate Revenues</b>	\$0	\$0		
<b>Total Anticipated Direct Cost of Gas</b>			\$2,642,482	\$3,341,118
<b>ANTICIPATED INDIRECT COST OF GAS</b>				
<b>Adjustments:</b>				
Prior Period Under/(Over) Collection	(\$339,771)	\$141,851		
Interest	(\$18,232)	(\$43,640)		
Refunds	\$0	\$0		
Interruptible Margins	\$0	\$0		
<b>Total Adjustments</b>			(\$358,003)	\$98,211
<b>Working Capital:</b>				
Total Anticipated Direct Cost of Gas	\$2,642,482	\$3,341,119		
Working Capital Percentage	0.2880%	0.089%		
Working Capital Allowance	\$7,609	\$2,981		
Plus: Working Capital Reconciliation (Acct 173)	(\$8,605)	(\$8,295)		
<b>Total Working Capital Allowance</b>			(\$996)	(\$5,314)
<b>Bad Debt:</b>				
Bad Debt Allowance	\$15,143	\$14,144		
Plus: Bad Debt Reconciliation (Acct 173)	(\$674)	(\$979)		
<b>Total Bad Debt Allowance</b>			\$14,470	\$13,166
<b>Local Production and Storage Capacity</b>			\$0	\$0
<b>Miscellaneous Overhead-19.4518.77% Allocated to the Summer Season</b>			\$112,910	\$108,923
<b>Total Anticipated Indirect Cost of Gas</b>			(\$231,620)	\$214,984
<b>Total Cost of Gas</b>			\$2,410,862	\$3,556,103

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Christine Vaughan Robert B. Hevert

Senior Vice President

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2019~~20~~ - April 30, 2020~~21~~

(Col 1)	(Col 2)	(Col 3)		
Total Anticipated Direct Cost of Gas	\$21,453,834	\$23,874,576		
Projected Prorated Sales (11/01/19 <del>20</del> - 04/30/20 <del>21</del> )	<u>36,062,014</u>	<u>34,897,412</u>		
<b>Direct Cost of Gas Rate</b>			<b>\$0.5949</b>	<b>\$0.6841</b> per therm
<b>Demand Cost of Gas Rate</b>	<b>\$7,344,405</b>	<b>\$13,021,761</b>	<b>\$0.2037</b>	<b>\$0.3731</b> per therm
<b>Commodity Cost of Gas Rate</b>	<b>\$14,106,692</b>	<b>\$10,851,549</b>	<b>\$0.3912</b>	<b>\$0.3110</b> per therm
<b>Total Direct Cost of Gas Rate</b>	<b>\$21,451,097</b>	<b>\$23,874,576</b>	<b>\$0.5949</b>	<b>\$0.6841</b> per therm
Total Anticipated Indirect Cost of Gas	(\$315,822)	\$1,655,544		
Projected Prorated Sales (11/01/19 <del>20</del> - 04/30/20 <del>21</del> )	<u>36,062,014</u>	<u>34,897,412</u>		
<b>Indirect Cost of Gas</b>			<b>(\$0.0088)</b>	<b>\$0.0474</b> per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>			<b>\$0.5861</b>	<b>\$0.7315</b> per therm
Period ending under collection to be recovered as determined on 11/20/2019	(\$739,666)			
Projected Sales (12/01/19 - 04/30/2020)	<u>31,485,060</u>			
Per unit change in Cost of Gas (12/01/19 - 04/30/20)	<b>(\$0.0235)</b>			

<b>RESIDENTIAL COST OF GAS RATE - 12/01/19 - 11/01/20</b>	<b>COGwr</b>	<b>\$0.5861</b>	<b>\$0.7315</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.7326</b>	<b>\$0.9144</b>	
RESIDENTIAL COST OF GAS RATES - 11/01/2019		<b>\$0.5861</b>		
CHANGE IN PER UNIT COST		<b>(\$0.0236)</b>		
RESIDENTIAL COST OF GAS RATES - 12/01/2019		<b>\$0.5626</b>		

<b>COM/IND LOW WINTER USE COST OF GAS RATE - 12/01/19 - 11/01/20</b>	<b>COGwl</b>	<b>\$0.4715</b>	<b>\$0.6465</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.5894</b>	<b>\$0.8081</b>	
COM/IND LOW WINTER USE COST OF GAS RATES - 11/01/2019		<b>\$0.4950</b>		
CHANGE IN PER UNIT COST		<b>(\$0.0236)</b>		
COM/IND LOW WINTER USE COST OF GAS RATES - 12/01/2019		<b>\$0.4715</b>		

C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$601,051
PLUS: RESIDENTIAL DEMAND REALLOCATION TO C&I HLF	\$31,569
C&I HLF TOTAL ADJUSTED DEMAND COSTS	<u>\$632,620</u>
C&I HLF PROJECTED PRORATED SALES (11/01/2020 - 04/30/2021)	<u>2,277,711</u>
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.2777</b>
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$733,070
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$940)
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	<u>\$732,130</u>
C&I HLF PROJECTED PRORATED SALES (11/01/2020 - 04/30/2021)	<u>2,277,711</u>
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.3214</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0474</b>
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>	<b>\$0.6465</b>

<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 12/01/19 - 11/01/20</b>	<b>COGwh</b>	<b>\$0.5847</b>	<b>\$0.7437</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.7309</b>	<b>\$0.9296</b>	
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2019		<b>\$0.6082</b>		
CHANGE IN PER UNIT COST		<b>(\$0.0235)</b>		
COM/IND HIGH WINTER USE COST OF GAS RATES - 12/01/2019		<b>\$0.5847</b>		

C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$5,855,245
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$307,534
C&I LLF TOTAL ADJUSTED DEMAND COSTS	<u>\$6,162,780</u>
C&I LLF PROJECTED PRORATED SALES (11/01/2020 - 04/30/2021)	<u>15,933,486</u>
<b>DEMAND COST OF GAS RATE</b>	<b>\$0.3868</b>
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$4,937,736
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$6,330)
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	<u>\$4,931,406</u>
C&I LLF PROJECTED PRORATED SALES (11/01/2020 - 04/30/2021)	<u>15,933,486</u>
<b>COMMODITY COST OF GAS RATE</b>	<b>\$0.3095</b>
<b>INDIRECT COST OF GAS</b>	<b>\$0.0474</b>
<b>TOTAL C&amp;I LLF COST OF GAS RATE</b>	<b>\$0.7437</b>

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Senior Vice President

**CALCULATION OF FIRM SALES COST OF GAS RATE**

Period Covered: May 1, 2020~~21~~ - October 31, 2020~~21~~

(Col 1)	(Col 2)	(Col 2)	(Col 3)	(Col 3)
Total Anticipated Direct Cost of Gas	\$2,642,482	\$3,341,119		
Projected Prorated Sales (05/01/20 <del>21</del> - 10/31/20 <del>21</del> )	8,708,804	8,061,210		
<b>Direct Cost of Gas Rate</b>			<b>\$0.3034</b>	<b>\$0.4145</b> per therm
<b>Demand Cost of Gas Rate</b>	<b>\$726,806</b>	<b>\$1,175,460</b>	<b>\$0.0833</b>	<b>\$0.1458</b> per therm
<b>Commodity Cost of Gas Rate</b>	<b>\$1,916,677</b>	<b>\$2,165,659</b>	<b>\$0.2204</b>	<b>\$0.2687</b> per therm
<b>Total Direct Cost of Gas Rate</b>	<b>\$2,642,482</b>	<b>\$3,341,119</b>	<b>\$0.3034</b>	<b>\$0.4145</b> per therm
Total Anticipated Indirect Cost of Gas	(\$234,620)	\$214,984		
Projected Prorated Sales (05/01/20 <del>21</del> - 10/31/20 <del>21</del> )	8,708,804	8,061,210		
<b>Indirect Cost of Gas</b>			<b>(\$0.0266)</b>	<b>\$0.0267</b> per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS</b>			<b>\$0.2768</b>	<b>\$0.4412</b> per therm
<b>Period ending over-collection to be recovered – per April Report</b>	(\$341,893)			
<b>Projected sales (05/01/20 – 10/31/20)</b>	8,708,804			
<b>Per-unit change in Cost-of-Gas (05/01/20 – 10/31/20)</b>	(\$0.0393)			
<b>Period ending over-collection to be recovered – per June Report</b>	(\$427,393)			
<b>Projected sales (07/01/20 – 10/31/20)</b>	4,862,236			
<b>Per-unit change in Cost-of-Gas (07/01/20 – 10/31/20)</b>	(\$0.0879)			
<b>Period ending under-collection to be recovered – per August Report</b>	\$447,787			
<b>Projected sales (09/01/20 – 10/31/20)</b>	3,041,809			
<b>Per-unit change in Cost-of-Gas (09/01/20 – 10/31/20)</b>	\$0.1472			
<b>RESIDENTIAL COST OF GAS RATE - 05/01/20<del>21</del></b>	<b>COGwr</b>	<b>\$0.2968</b>	<b>\$0.4412</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.3460</b>	<b>\$0.5515</b>	
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		
<b>COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/20<del>21</del></b>	<b>COGwl</b>	<b>\$0.2643</b>	<b>\$0.3943</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.3964</b>	<b>\$0.4929</b>	
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		
C&I HLF DEMAND COSTS ALLOCATED PER SMBA		\$178,339		
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF		\$10,993		
C&I HLF TOTAL ADJUSTED DEMAND COSTS		\$189,332		
C&I HLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)		1,912,209		
<b>DEMAND COST OF GAS RATE</b>		<b>\$0.0990</b>		
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA		\$513,718		
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF		(\$69)		
C&I HLF TOTAL ADJUSTED COMMODITY COSTS		\$513,650		
C&I HLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)		1,912,209		
<b>COMMODITY COST OF GAS RATE</b>		<b>\$0.2686</b>		
<b>INDIRECT COST OF GAS</b>		<b>\$0.0267</b>		
<b>TOTAL C&amp;I HLF COST OF GAS RATE</b>		<b>\$0.3943</b>		
<b>COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/20<del>21</del></b>	<b>COGwh</b>	<b>\$0.3146</b>	<b>\$0.4733</b>	<b>per therm</b>
	<b>Maximum (COG+25%)</b>	<b>\$0.3896</b>	<b>\$0.5916</b>	
INITIAL COM/IND HIGH WINTER USE COST-OF-GAS RATE – 05/01/20		\$0.3146		
CHANGE IN PER UNIT COST		(\$0.0393)		
REVISED COM/IND HIGH WINTER USE COST-OF-GAS RATE – 05/01/20		\$0.2753		
CHANGE IN PER UNIT COST		(\$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		\$0.3346		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA		\$452,907		
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF		\$27,917		
C&I LLF TOTAL ADJUSTED DEMAND COSTS		\$480,823		
C&I LLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)		2,701,981		
<b>DEMAND COST OF GAS RATE</b>		<b>\$0.1780</b>		
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA		\$725,892		
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF		(\$97)		
C&I LLF TOTAL ADJUSTED COMMODITY COSTS		\$725,795		
C&I LLF PROJECTED PRORATED SALES (05/01/21 - 10/31/21)		2,701,981		
<b>COMMODITY COST OF GAS RATE</b>		<b>\$0.2686</b>		
<b>INDIRECT COST OF GAS</b>		<b>\$0.0267</b>		
<b>TOTAL C&amp;I LLF COST OF GAS RATE</b>		<b>\$0.4733</b>		

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION  
WINTER SEASON RESIDENTIAL RATES

Winter Season November 2019 <del>20</del> - April 2020 <del>21</del>		Tariff Rates		Total Delivery Rates (Includes LDAC)		Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas	
Residential Heating	<b>Tariff Rate R 5:</b>						
	Monthly Customer Charge	\$22.20		\$22.20		\$22.20	
	First 50 therms	\$0.6920		<del>\$0.7626</del> <u>\$0.8019</u>		<del>\$1.3252</del> <u>\$1.5334</u>	
	All usage over 50 therms	\$0.6920		<del>\$0.7626</del> <u>\$0.8019</u>		<del>\$1.3252</del> <u>\$1.5334</u>	
	<b>LDAC</b>	<del>\$0.0706</del> <u>\$0.1099</u>					
<b>Gas Cost Adjustment:</b>							
Cost of Gas		<del>\$0.5626</del> <u>\$0.7315</u>					
Residential Heating Low income	<b>Tariff Rate R 10:</b>						
	Monthly Customer Charge	<del>\$8.8800</del> <u>\$22.20</u>		<del>\$8.8800</del>		<del>\$8.8800</del>	
	First 50 therms	<del>\$0.2768</del> <u>\$0.6920</u>		<del>\$0.3474</del> <u>\$0.8019</u>		<del>\$0.9100</del> <u>\$1.5334</u>	
	All usage over 50 therms	<del>\$0.2768</del> <u>\$0.6920</u>		<del>\$0.3474</del> <u>\$0.8019</u>		<del>\$0.9100</del> <u>\$1.5334</u>	
	<b>LDAC</b>	<del>\$0.0706</del> <u>\$0.1099</u>					
<b>Gas Cost Adjustment:</b>							
Cost of Gas		<del>\$0.5626</del> <u>\$0.7315</u>					
<u>45% Low Income Discount</u>							
<u>45% Low Income Discount</u>							
<u>45% Low Income Discount</u>							
<u>No Discount</u>							
<u>45% Low Income Discount</u>							
<b>Monthly Customer Charge</b>							
<b>First 50 therms</b>							
<b>All usage over 50 therms</b>							
<b>LDAC</b>							
<b>Gas Cost Adjustment:</b>							
<b>Cost of Gas</b>							
Residential Non-Heating	<b>Tariff Rate R 6:</b>						
	Monthly Customer Charge	\$22.20		\$22.20		\$22.20	
	First 10 therms	\$0.6470		<del>\$0.7176</del> <u>\$0.7569</u>		<del>\$1.2802</del> <u>\$1.4884</u>	
	All usage over 10 therms	\$0.6470		<del>\$0.7176</del> <u>\$0.7569</u>		<del>\$1.2802</del> <u>\$1.4884</u>	
	<b>LDAC</b>	<del>\$0.0706</del> <u>\$0.1099</u>					
<b>Gas Cost Adjustment:</b>							
Cost of Gas		<del>\$0.5626</del> <u>\$0.7315</u>					

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Title: Senior Vice President

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION  
SUMMER-SEASON RESIDENTIAL RATES

Summer Season May 2020 <del>21</del> - October 2020 <del>21</del>		Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
Residential Heating	<b>Tariff Rate R 5:</b> Monthly Customer Charge First 50 therms All usage over 50 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$22.20 \$0.6099 \$0.6099 \$0.0706 \$0.1099 \$0.2968 \$0.4412	\$22.20 \$0.6805 \$0.7198 \$0.6805 \$0.7198	\$22.20 \$0.9773 \$1.1610 \$0.9773 \$1.1610
Residential Heating Low income	<b>Tariff Rate R 10:</b> Monthly Customer Charge First 50 therms All usage over 50 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas  <u>No Discount*</u> Monthly Customer Charge <u>No Discount*</u> First 50 therms <u>No Discount*</u> All usage over 50 therms <u>No Discount</u> LDAC <u>No Discount*</u> Gas Cost Adjustment: Cost of Gas	\$8.8800 \$22.20 \$0.2440 \$0.6099 \$0.2440 \$0.6099 \$0.0706 \$0.1099 \$0.2968 \$0.4412 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000	\$8.88 \$0.3146 \$0.7198 \$0.3146 \$0.7198 \$0.0000 \$0.0000 \$0.0000	\$8.88 \$0.6114 \$1.1610 \$0.6114 \$1.1610 \$0.0000 \$0.0000 \$0.0000
Residential Non-Heating	<b>Tariff Rate R 6:</b> Monthly Customer Charge First 10 therms All usage over 10 therms <b>LDAC</b> <b>Gas Cost Adjustment:</b> Cost of Gas	\$22.20 \$0.6470 \$0.6470 \$0.0706 \$0.1099 \$0.2968 \$0.4412	\$22.20 \$0.7176 \$0.7569 \$0.7176 \$0.7569	\$22.20 \$1.0144 \$1.1981 \$1.0144 \$1.1981

\*. Discount applicable to winter months November through April only.

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Title:

Christine Vaughan-Robert B. Hevert

Senior Vice President



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

Winter Season November 2019 <del>20</del> - April 2020 <del>21</del>		Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	<b>Tariff Rate G 40:</b>			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.8071</del> <u>\$0.9774</u>
	All usage over 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.8071</del> <u>\$0.9774</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I Low Annual/Low Winter	<b>Gas Cost Adjustment:</b>			
	Cost of Gas	<del>\$0.5847</del> <u>\$0.7437</u>		
C&I Low Annual/Low Winter	<b>Tariff Rate G 50:</b>			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.6939</del> <u>\$0.8802</u>
	All usage over 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.6939</del> <u>\$0.8802</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I Medium Annual/High Winter	<b>Gas Cost Adjustment:</b>			
	Cost of Gas	<del>\$0.4715</del> <u>\$0.6465</u>		
C&I Medium Annual/High Winter	<b>Tariff Rate G 41:</b>			
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	All usage	\$0.2425	<del>\$0.2784</del> <u>\$0.2897</u>	<del>\$0.8631</del> <u>\$1.0334</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b>Gas Cost Adjustment:</b>			
C&I Medium Annual/Low Winter	Cost of Gas	<del>\$0.5847</del> <u>\$0.7437</u>		
C&I Medium Annual/Low Winter	<b>Tariff Rate G 51:</b>			
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	First 1,300 therms	\$0.1712	<del>\$0.2071</del> <u>\$0.2184</u>	<del>\$0.6786</del> <u>\$0.8649</u>
	All usage over 1,300 therms	\$0.1399	<del>\$0.1758</del> <u>\$0.1871</u>	<del>\$0.6473</del> <u>\$0.8336</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I High Annual/High Winter	<b>Gas Cost Adjustment:</b>			
	Cost of Gas	<del>\$0.4715</del> <u>\$0.6465</u>		
C&I High Annual/High Winter	<b>Tariff Rate G 42:</b>			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.1984	<del>\$0.2343</del> <u>\$0.2456</u>	<del>\$0.8190</del> <u>\$0.9893</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b>Gas Cost Adjustment:</b>			
C&I High Annual/Low Winter	Cost of Gas	<del>\$0.5847</del> <u>\$0.7437</u>		
C&I High Annual/Low Winter	<b>Tariff Rate G 52:</b>			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.1720	<del>\$0.2079</del> <u>\$0.2192</u>	<del>\$0.6794</del> <u>\$0.8657</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b>Gas Cost Adjustment:</b>			
	Cost of Gas	<del>\$0.4715</del> <u>\$0.6465</u>		

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Title: Senior Vice President

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

Summer Season May 2020 <del>21</del> - October 2020 <del>21</del>		Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	<b><u>Tariff Rate G 40:</u></b>			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.5540</del> <u>\$0.7070</u>
	All usage over 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.5540</del> <u>\$0.7070</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I Low Annual/Low Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.3316</del> <u>\$0.4733</u>		
C&I Medium Annual/High Winter	<b><u>Tariff Rate G 50:</u></b>			
	Monthly Customer Charge	\$75.09	\$75.09	\$75.09
	First 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.4867</del> <u>\$0.6280</u>
	All usage over 75 therms	\$0.1865	<del>\$0.2224</del> <u>\$0.2337</u>	<del>\$0.4867</del> <u>\$0.6280</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I Medium Annual/Low Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.2643</del> <u>\$0.3943</u>		
C&I High Annual/High Winter	<b><u>Tariff Rate G 41:</u></b>			
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	All usage	\$0.1895	<del>\$0.2254</del> <u>\$0.2367</u>	<del>\$0.5570</del> <u>\$0.7100</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b><u>Gas Cost Adjustment:</u></b>			
C&I High Annual/Low Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.3316</del> <u>\$0.4733</u>		
C&I Medium Annual/High Winter	<b><u>Tariff Rate G 51:</u></b>			
	Monthly Customer Charge	\$222.64	\$222.64	\$222.64
	First 1,000 therms	\$0.1337	<del>\$0.1696</del> <u>\$0.1809</u>	<del>\$0.4339</del> <u>\$0.5752</u>
	All usage over 1,000 therms	\$0.1087	<del>\$0.1446</del> <u>\$0.1559</u>	<del>\$0.4089</del> <u>\$0.5502</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
C&I High Annual/High Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.2643</del> <u>\$0.3943</u>		
C&I High Annual/Low Winter	<b><u>Tariff Rate G 42:</u></b>			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.1206	<del>\$0.1565</del> <u>\$0.1678</u>	<del>\$0.4881</del> <u>\$0.6411</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b><u>Gas Cost Adjustment:</u></b>			
C&I High Annual/Low Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.3316</del> <u>\$0.4733</u>		
C&I High Annual/Low Winter	<b><u>Tariff Rate G 52:</u></b>			
	Monthly Customer Charge	\$1,335.81	\$1,335.81	\$1,335.81
	All usage	\$0.0792	<del>\$0.1151</del> <u>\$0.1264</u>	<del>\$0.3794</del> <u>\$0.5207</u>
	<b>LDAC</b>	<del>\$0.0359</del> <u>\$0.0472</u>		
	<b><u>Gas Cost Adjustment:</u></b>			
C&I High Annual/Low Winter	<b><u>Gas Cost Adjustment:</u></b>			
	Cost of Gas	<del>\$0.2643</del> <u>\$0.3943</u>		

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Title: Senior Vice President

## **VII. DELIVERY SERVICE TERMS AND CONDITIONS**

### **APPENDIX A**

#### **Schedule of Administrative Fees and Charges**

**I. Supplier Balancing Charge:**      **\$0.71 per MMBtu** of Daily Imbalance Volumes

- Updated effective every November 1 to reflect the Company's latest balancing resources and associated capacity costs.
- Daily Imbalance Volumes represent the difference between ATV and ATV adjusted for actual EDDs.

**II. Peaking Service Demand Charge:**      **\$ ~~65.41~~64.53 per MMBtu** per MDPQ per month for November 2019 through April 2020. Provided on Page 6 of Schedule 21-FXW.

- Updated effective every November 1 to reflect the Company's Peaking resources and associated costs.

**III. Company Allowance Calculation:**      **1.~~38~~30%** - Provided in Schedule 18-FXW

**IV. Supplier Services and Associated Fees:**

<b><u>SERVICE</u></b>	<b><u>PRICING</u></b>
Pool Administration (required) <b>Non-Daily Metered Pools only</b>	• \$0.10/month/customer billed @ marketer level
Standard Passthrough Billing (required)	• \$0.60/customer/month billed @ marketer level
Standard Complete Billing (optional – Passthrough Billing fee not required if this service is elected)	• \$1.50/customer/month billed @ marketer level
Customer Administration (required)	• \$10/customer/switch billed @ marketer level

**V. Meter Read Charge:**      \$78 when customer phone line is not reporting daily data.

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Issued by:      ~~Christine~~  
~~Vaughan~~ Robert. B.  
Hevert

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Senior Vice President

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## VII. DELIVERY SERVICE TERMS AND CONDITIONS

### APPENDIX C

#### Capacity Allocators

Capacity Allocators shall be calculated and filed with the Commission each year with the Winter Cost of Gas filing. The following Capacity Allocators shall be applicable for capacity assignments during the period of November 1, ~~2019~~2020 through October 31, ~~2020~~2021.

#### Commercial and Industrial

	<u>High Winter Use</u>	<u>Low Winter Use</u>
Pipeline:	<del>9.35</del> <u>23.23</u> %	<del>48.43</del> <u>57.23</u> %
Storage:	<del>34.33</del> <u>31.91</u> %	<del>19.53</del> <u>17.78</u> %
Peaking:	<del>56.32</del> <u>44.86</u> %	<del>32.04</del> <u>24.99</u> %

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Issued by: ~~Christine~~  
~~Vaughan~~Robert B.  
Hevert

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Senior Vice President

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## **VII. DELIVERY SERVICE TERMS AND CONDITIONS (continued)**

### **Appendix D**

#### **Re-entry Surcharge and Conversion Surcharge (continued)**

##### **D. Information to be Filed with the Commission:**

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, ~~2019~~ 2020 through April 30, ~~2020~~ 2021 and May 1, ~~2020~~ 2021 through October ~~2020~~ 2021.

<b>Effective Dates:</b>	<b>November 1, <del>2019</del> <u>2020</u> – April 30, <del>2020</del><u>2021</u></b>	<b>May 1, <del>2020</del><u>2021</u> – October 30, <del>2020</del><u>2021</u></b>
<b>Re-entry Surcharge:</b>	\$0. <del>0409</del> <u>0012</u> per therm	\$0. <del>0406</del> <u>0011</u> per therm
<b>Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):</b>	\$0. <del>1405</del> <u>0012</u> per therm	\$0. <del>0406</del> <u>0011</u> per therm
<b>Conversion Surcharge, High Load Factor (G-50, G-51, G-52):</b>	\$0. <del>2537</del> <u>0984</u> per therm	\$0. <del>0406</del> <u>0011</u> per therm

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VaughanRobert B.  
Hevert

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