

<u>Page</u>	<u>Revision</u>
Title	Original
TOC i	Original
TOC ii	Original
TOC iii	Original
TOC iv	Original
1	Sixth Revised
2	Original
3	Sixth Revised
4	Sixth Revised
5	First Revised
6	Original
7	Original
8	Original
9	Original
10	Original
11	Original
12	Original
13	Original
14	Original
15	Original
16	Original
17	Original
18	Original
19	Original
20	Original
21	Original
22	Original
23	Original
24	Original
25	Original
26	Original

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

<u>Page</u>	<u>Revision</u>
58	Original
59	Original
60	Original
61	Original
62	Original
63	Original
64	Original
65	Original
66	Original
67	Original
68	Original
69	Original
70	Original
71	Original
72	Original
73	Original
74	Original
75	Original
76	Original
77	Original
78	Original
79	Original
80	Original
81	Original
82	Original
83	Original
84	Original
85	Original
86	Original
87	Second Revised
88	Fourth Revised
89	Second Revised

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

<u>Page</u>	<u>Revision</u>
90	Original
91	First Revised
92	First Revised
93	Second Revised
94	First Revised
95	Second Revised
96	First Revised
97	Second Revised
98	First Revised
99	First Revised
100	First Revised
101	First Revised
102	Original
103	Original
104	Original
105	Original
106	Original
107	Original
108	Original
109	Original
110	Original
111	Original
112	Original
113	Original
114	Original
115	Original
116	Original
117	Original
118	Original
119	Original
120	Original
121	Original
122	Original
123	Original

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

**22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS**

**FIRM RATE SCHEDULES**

	Rates Effective December 1, 2021 - April 30, 2022				Rates Effective May 1, 2022 - October 31, 2022			
	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
<b>Residential Non Heating - R-1</b>								
Customer Charge per Month per Meter	\$ 15.39			\$ 15.39	\$ 15.39			\$ 15.39
All therms	\$ 0.3844	\$ 1.0173	\$ 0.1517	\$ 1.5534	\$ 0.3844	\$ 0.5607	\$ 0.1388	\$ 1.0839
<b>Residential Heating - R-3</b>								
Customer Charge per Month per Meter	\$ 15.39			\$ 15.39	\$ 15.39			\$ 15.39
Size of the first block	all therms				all therms			
Therms in the first block per month at	\$ 0.5632	\$ 1.0173	\$ 0.1517	\$ 1.7322	\$ 0.5632	\$ 0.5607	\$ 0.1388	\$ 1.2627
<b>Residential Heating - R-4</b>								
Customer Charge per Month per Meter	\$ 8.47			\$ 8.47	\$ 15.39			\$ 15.39
Size of the first block	all therms				all therms			
Therms in the first block per month at	\$ 0.3098	\$ 0.5595	\$ 0.1517	\$ 1.0210	\$ 0.5632	\$ 0.5607	\$ 0.1388	\$ 1.2627
<b>Commercial/Industrial - G-41</b>								
Customer Charge per Month per Meter	\$ 57.06			\$ 57.06	\$ 57.06			\$ 57.06
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.4688	\$ 1.0175	\$ 0.0951	\$ 1.5814	\$ 0.4688	\$ 0.5612	\$ 0.0822	\$ 1.1122
All therms over the first block per month at	\$ 0.3149	\$ 1.0175	\$ 0.0951	\$ 1.4275	\$ 0.3149	\$ 0.5612	\$ 0.0822	\$ 0.9583
<b>Commercial/Industrial - G-42</b>								
Customer Charge per Month per Meter	\$ 171.19			\$ 171.19	\$ 171.19			\$ 171.19
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.4261	\$ 1.0175	\$ 0.0951	\$ 1.5387	\$ 0.4261	\$ 0.5612	\$ 0.0822	\$ 1.0695
All therms over the first block per month at	\$ 0.2839	\$ 1.0175	\$ 0.0951	\$ 1.3965	\$ 0.2839	\$ 0.5612	\$ 0.0822	\$ 0.9273
<b>Commercial/Industrial - G-43</b>								
Customer Charge per Month per Meter	\$ 734.69			\$ 734.69	\$ 734.69			\$ 734.69
All therms over the first block per month at	\$ 0.2620	\$ 1.0175	\$ 0.0951	\$ 1.3746	\$ 0.1198	\$ 0.5612	\$ 0.0822	\$ 0.7632
<b>Commercial/Industrial - G-51</b>								
Customer Charge per Month per Meter	\$ 57.06			\$ 57.06	\$ 57.06			\$ 57.06
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.2819	\$ 1.0158	\$ 0.0951	\$ 1.3928	\$ 0.2819	\$ 0.5599	\$ 0.0822	\$ 0.9240
All therms over the first block per month at	\$ 0.1833	\$ 1.0158	\$ 0.0951	\$ 1.2942	\$ 0.1833	\$ 0.5599	\$ 0.0822	\$ 0.8254
<b>Commercial/Industrial - G-52</b>								
Customer Charge per Month per Meter	\$ 171.19			\$ 171.19	\$ 171.19			\$ 171.19
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2428	\$ 1.0158	\$ 0.0951	\$ 1.3537	\$ 0.1759	\$ 0.5599	\$ 0.0822	\$ 0.8180
All therms over the first block per month at	\$ 0.1617	\$ 1.0158	\$ 0.0951	\$ 1.2726	\$ 0.1000	\$ 0.5599	\$ 0.0822	\$ 0.7421
<b>Commercial/Industrial - G-53</b>								
Customer Charge per Month per Meter	\$ 756.10			\$ 756.10	\$ 756.10			\$ 756.10
All therms over the first block per month at	\$ 0.1697	\$ 1.0158	\$ 0.0951	\$ 1.2806	\$ 0.0814	\$ 0.5599	\$ 0.0822	\$ 0.7235
<b>Commercial/Industrial - G-54</b>								
Customer Charge per Month per Meter	\$ 756.10			\$ 756.10	\$ 756.10			\$ 756.10
All therms over the first block per month at	\$ 0.0648	\$ 1.0158	\$ 0.0951	\$ 1.1757	\$ 0.0352	\$ 0.5599	\$ 0.0822	\$ 0.6773

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

**24 FIRM RATE SCHEDULES - MANAGED EXPANSION PROGRAM-EXCLUDING  
KEENE CUSTOMERS**

**FIRM RATE SCHEDULES**

	Rates Effective December 1, 2021 - April 30, 2022 Winter Period				Rates Effective May 1, 2022 - October 31, 2022 Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
<b>Residential Non Heating - R-5</b>								
Customer Charge per Month per Meter	\$ 20.01			\$ 20.01	\$ 20.01			\$ 20.01
All Therms	\$ 0.4997	\$ 1.0173	\$ 0.1517	\$ 1.6687	\$ 0.4997	\$ 0.5607	\$ 0.1388	\$ 1.1992
<b>Residential Heating - R-6</b>								
Customer Charge per Month per Meter	\$ 20.01			\$ 20.01	\$ 20.01			\$ 20.01
Therms in the first block per month at	\$ 0.7322	\$ 1.0173	\$ 0.1517	\$ 1.9012	\$ 0.7322	\$ 0.5607	\$ 0.1388	\$ 1.4317
<b>Residential Heating - R-7</b>								
Customer Charge per Month per Meter	\$ 11.01			\$ 11.01	\$ 20.01			\$ 20.01
Therms in the first block per month at	\$ 0.4027	\$ 0.5595	\$ 0.1517	\$ 1.1139	\$ 0.7322	\$ 0.5607	\$ 0.1388	\$ 1.4317
<b>Commercial/Industrial - G-44</b>								
Customer Charge per Month per Meter	\$ 74.18			\$ 74.18	\$ 74.18			\$ 74.18
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.6094	\$ 1.0175	\$ 0.0951	\$ 1.7220	\$ 0.6094	\$ 0.5612	\$ 0.0822	\$ 1.2528
All therms over the first block per month at	\$ 0.4094	\$ 1.0175	\$ 0.0951	\$ 1.5220	\$ 0.4094	\$ 0.5612	\$ 0.0822	\$ 1.0528
<b>Commercial/Industrial - G-45</b>								
Customer Charge per Month per Meter	\$ 222.55			\$ 222.55	\$ 222.55			\$ 222.55
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.5539	\$ 1.0175	\$ 0.0951	\$ 1.6665	\$ 0.5539	\$ 0.5612	\$ 0.0822	\$ 1.1973
All therms over the first block per month at	\$ 0.3691	\$ 1.0175	\$ 0.0951	\$ 1.4817	\$ 0.3691	\$ 0.5612	\$ 0.0822	\$ 1.0125
<b>Commercial/Industrial - G-46</b>								
Customer Charge per Month per Meter	\$ 955.10			\$ 955.10	\$ 955.10			\$ 955.10
All therms over the first block per month at	\$ 0.3406	\$ 1.0175	\$ 0.0951	\$ 1.4532	\$ 0.1557	\$ 0.5612	\$ 0.0822	\$ 0.7991
<b>Commercial/Industrial - G-55</b>								
Customer Charge per Month per Meter	\$ 74.18			\$ 74.18	\$ 74.18			\$ 74.18
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.3665	\$ 1.0158	\$ 0.0951	\$ 1.4774	\$ 0.3665	\$ 0.5599	\$ 0.0822	\$ 1.0086
All therms over the first block per month at	\$ 0.2383	\$ 1.0158	\$ 0.0951	\$ 1.3492	\$ 0.2383	\$ 0.5599	\$ 0.0822	\$ 0.8804
<b>Commercial/Industrial - G-56</b>								
Customer Charge per Month per Meter	\$ 222.55			\$ 222.55	\$ 222.55			\$ 222.55
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.3157	\$ 1.0158	\$ 0.0951	\$ 1.4266	\$ 0.2287	\$ 0.5599	\$ 0.0822	\$ 0.8708
All therms over the first block per month at	\$ 0.2102	\$ 1.0158	\$ 0.0951	\$ 1.3211	\$ 0.1300	\$ 0.5599	\$ 0.0822	\$ 0.7721
<b>Commercial/Industrial - G-57</b>								
Customer Charge per Month per Meter	\$ 982.93			\$ 982.93	\$ 982.93			\$ 982.93
All therms over the first block per month at	\$ 0.2207	\$ 1.0158	\$ 0.0951	\$ 1.3316	\$ 0.1059	\$ 0.5599	\$ 0.0822	\$ 0.7480
<b>Commercial/Industrial - G-58</b>								
Customer Charge per Month per Meter	\$ 982.93			\$ 982.93	\$ 982.93			\$ 982.93
All therms over the first block per month at	\$ 0.0842	\$ 1.0158	\$ 0.0951	\$ 1.1951	\$ 0.0457	\$ 0.5599	\$ 0.0822	\$ 0.6878

DATED: November 22, 2021  
EFFECTIVE: November 1, 2021

ISSUED BY: /s/Neil Proudman  
Neil Proudman  
TITLE: President

**30 CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE - EXCLUDING**

**CALCULATION OF FIRM SALES COST OF GAS RATE**  
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022  
(Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 94,810,891	
Projected Prorated Sales (11/01/2021 - 04/30/22)	87,443,741	
<b>Direct Cost of Gas Rate</b>		\$ 1.0843 per therm
<b>Demand Cost of Gas Rate</b>	\$ 13,868,897	\$ 0.1586 per therm
<b>Commodity Cost of Gas Rate</b>	80,780,853	\$ 0.9238 per therm
<b>Adjustment Cost of Gas Rate</b>	161,141	\$ 0.0018 per therm
<b>Total Direct Cost of Gas Rate</b>	\$ 94,810,891	\$ 1.0843 per therm
Total Anticipated Indirect Cost of Gas	\$ 4,338,002	
Projected Prorated Sales (11/01/21 - 04/30/22)	87,443,741	
<b>Indirect Cost of Gas</b>		\$ 0.0496 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/21</b>		<b>\$ 1.1339 per therm</b>
<b>RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - 11/01/21</b>	<b>COGwr</b>	<b>\$ 1.1339 /therm</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>RESIDENTIAL COST OF GAS RATE - 12/01/2021</b>	<b>COGsr</b>	<b>\$ 1.0173 /therm</b>
	Maximum (COG + 25%)	\$ 1.4174
<b>GAS ASSISTANCE PLAN RESIDENTIAL COST OF GAS RATE R-4 - 11/01/21</b>	<b>COGwr</b>	<b>\$ 0.6236 /therm</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.0641)</b>
<b>RESIDENTIAL COST OF GAS RATE - 12/01/2021</b>	<b>COGsr</b>	<b>\$ 0.5595 /therm</b>
	Maximum (COG + 25%)	\$ 0.7796
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 11/01/21</b>	<b>COGwl</b>	<b>\$ 1.1324 /therm</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 12/01/2021</b>	<b>COGsl</b>	<b>\$ 1.0158 /therm</b>

Average Demand Cost of Gas Rate Effective 11/01/21	\$ 0.1586		
Times: Low Winter Use Ratio (Winter)	0.9910	Maximum (COG + 25%)	\$ 1.4155
Times: Correction Factor	1.0001		
Adjusted Demand Cost of Gas Rate	\$ 0.1572		
Commodity Cost of Gas Rate	\$ 0.9238		
Adjustment Cost of Gas Rate	\$ 0.0018		
Indirect Cost of Gas Rate	\$ 0.0496		
Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 1.1324		

<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 11/01/21</b>	<b>COGwh</b>	<b>\$ 1.1341 /therm</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 12/01/2021</b>	<b>COGsh</b>	<b>\$ 1.0175 /therm</b>

Average Demand Cost of Gas Rate Effective 11/01/21	\$ 0.1586		
Times: High Winter Use Ratio (Winter)	1.0017	Maximum (COG + 25%)	\$ 1.4176
Times: Correction Factor	1.0001		
Adjusted Demand Cost of Gas Rate	\$ 0.1589		
Commodity Cost of Gas Rate	\$ 0.9238		
Adjustment Cost of Gas Rate	\$ 0.0018		
Indirect Cost of Gas Rate	\$ 0.0496		
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 1.1341		

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: November 1, 2021

Neil Proudman  
TITLE: President

# Compare Results

Old File:

**Current Tariff.pdf**

**6 pages (235 KB)**

11/22/2021 3:20:40 PM

versus

New File:

**ENNG Mo Adj Filing Effective 12-1-21.pdf**

**8 pages (307 KB)**

11/22/2021 3:48:43 PM

## Total Changes

**62**

Text only comparison

## Content

**52** Replacements  
**8** Insertions  
**2** Deletions

## Styling and Annotations

**0** Styling  
**0** Annotations

[Go to First Change \(page 1\)](#)

**Liberty Utilities (EnergyNorth Natural Gas) Corp.**  
**d/b/a Liberty Utilities**

Calculation of the Projected Over or Under Collection of the  
 2021 - 2022 Winter Cost of Gas Filing  
 DG 21-130

December 1, 2021

Under/(Over) Collection as of 10/31/21		\$ (3,447,842)
Forecasted firm Residential therm sales 12/01/2021 - 4/30/2022	44,503,202	
Residential Cost of Gas Rate per therm	\$ (1.1339)	
Forecasted firm C&I High Winter Use therm sales 12/01/2021 - 4/30/2022	27,662,428	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.1341)	
Forecasted firm C&I Low Winter therm sales 12/01/2021 - 4/30/2022	5,524,509	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.1324)	
Forecasted firm GAP-R4 Winter therm sales 12/01/2021 - 4/30/2022	3,221,286	
GAP R-4 Cost of Gas Rate per therm	\$ (0.6236)	
Forecasted firm Residential therm sales 11/2021	7,038,643	
Residential Cost of Gas Rate per therm	\$ (1.1339)	
Forecasted firm C&I High Winter Use therm sales 11/2021	3,871,325	
C&I- High Winter Use Cost of Gas Rate per therm	\$ (1.1341)	
Forecasted firm C&I Low Winter Use therm sales 11/2021	1,063,081	
C&I- Low Winter Use Cost of Gas Rate per therm	\$ (1.1324)	
Forecasted firm GAP-R4 Winter therm sales 11/2021	497,668	
GAP R-4 Cost of Gas Rate per therm	\$ (0.6236)	
Forecast recovered costs at current rate 11/01/2021 - 04/30/2022		(103,984,654)
Estimated FPO Premium 11/01/2021 - 04/30/2022		(113,078)
Revised projected gas costs 11/01/2021 - 04/30/2022		98,073,892
Estimated interest charged (credited) to customers 11/01/2021 - 04/30/2022		34,089
Projected under / (over) collection as of 04/30/2022 (A)		\$ (9,437,594)

Actual Gas Costs through 11/30/21	\$ -
Revised projected gas costs 11/01/2021 - 04/30/2022	\$ 98,073,892
Estimated total adjusted gas costs 11/01/2021 - 04/30/2021 (B)	\$ 98,073,892

Under/ (over) collection as percent of total gas costs (A/B)	-9.62%
--	--------

Projected under / (over) collections as of 04/30/2022 (A)	\$ (9,437,594)
Forecasted firm therm sales 11/01/2021 - 04/30/2022	80,911,425
Change in rate used to reduce forecast under/(over) collection	\$ (0.1166)
Current Cost of Gas Rate	\$ 1.1339
Revised Cost of Gas Rate	\$ 1.0173
Cap - Residential Cost of Gas Rate	\$ 1.4174

Revised as follows:

The revised projected gas costs include the November 2021 - April 2022  
 NYMEX settled strip prices as of November 19, 2021.



**Liberty Utilities (EnergyNorth Natural Gas) Corp.**  
**d/b/a Liberty Utilities**  
 Projected Over or Under Collection

Without Rate Adjustment		Beginning Under/(Over)	Nov-21 (Estimate)	Dec-21 (Estimate)	Jan-22 (Estimate)	Feb-22 (Estimate)	Mar-22 (Estimate)	Apr-22 (Estimate)	Total Peak
Total Gas Costs		(3,130,570.9)	\$ 10,217,504	\$ 23,314,898	\$ 23,019,899	\$ 15,880,777	\$ 11,340,443	\$ 10,681,941	\$ 94,455,463
Forecasted firm Residential therm sales									
Refunds & Adjustments									
COG Bad Debt			75,107	75,107	75,107.2	75,107.2	75,107.2	75,107.2	450,643
Return on Inventory per DG 20-105			55,945	55,945	55,945	55,945	55,944.5	55,944.5	335,667
Transportation Revenue			(1,322)	(1,633)	(1,838)	(1,535)	(1,465)	(1,090)	(8,883)
Broker Revenue			(47)	(624)	(751)	(816)	(757)	(605)	(3,600)
Off System and Capacity Release			(278,828)	(281,555)	(281,431)	(280,359)	(277,123)	(277,216)	(1,676,512)
Fixed Price Option Admin.			6,133	6,133	6,133	6,133	6,133	6,133	36,800
Bad Debt Costs		(297,552)	67,640	159,635	157,566	107,477	75,622	36,768	604,708
Working Capital		(19,719)	21,567	51,562	50,887	34,537	24,139	11,456	194,149
Misc Overhead			-	-	-	-	-	-	-
Production & Storage			614,243	614,243	614,243	614,243	614,243	614,243	3,685,458
Total Indirect Costs			\$ 560,438	\$ 678,813	\$ 675,861	\$ 610,732	\$ 571,844	\$ 520,741	\$ 3,618,429
Interest			4,214	5,206	13,068	11,844	4,702	(4,946)	34,089
Total Gas Costs plus Indirect Costs		\$ (3,447,842)	10,782,156	23,998,918	23,708,828	16,503,354	11,916,989	11,197,737	94,660,139
Total Forecasted Sales Volumes			12,470,718	18,190,255	20,866,784	16,966,205	15,497,221	9,390,960	93,382,143
Total Forecasted Collections			13,893,145	20,272,419	23,262,321	18,932,414	17,267,733	10,469,700	104,097,732
With Rate Adjustment		Beginning Under/(Over)	Nov-21 (Estimate)	Dec-21 (Estimate)	Jan-22 (Estimate)	Feb-22 (Estimate)	Mar-22 (Estimate)	Apr-22 (Estimate)	Total Peak
Total Gas Costs			\$ 10,217,504	\$ 23,314,898	\$ 23,019,899	\$ 15,880,777	\$ 11,340,443	\$ 10,681,941	\$ 94,455,463
Adjustments and Indirect Costs									
Refunds & Adjustments									
COG Bad Debt			75,107	75,107	75,107	75,107	75,107	75,107	450,643
Inventory Financing			55,945	55,945	55,945	55,945	55,945	55,945	335,667
Transportation Revenue			(1,322)	(1,633)	(1,838)	(1,535)	(1,465)	(1,090)	(8,883)
Broker Revenue			(47)	(624)	(751)	(816)	(757)	(605)	(3,600)
Off System and Capacity Release			(278,828)	(281,555)	(281,431)	(280,359)	(277,123)	(277,216)	(1,676,512)
Fixed Price Option Admin.			6,133	6,133	6,133	6,133	6,133	6,133	36,800
Bad Debt Costs			67,640	159,635	157,566	107,477	75,622	36,768	604,708
Working Capital			21,567	51,562	50,887	34,537	24,139	11,456	194,149
Misc Overhead			-	-	-	-	-	-	-
Production & Storage			614,243	614,243	614,243	614,243	614,243	614,243	3,685,458
Total Indirect Costs			\$ 560,438	\$ 678,813	\$ 675,861	\$ 610,732	\$ 571,844	\$ 520,741	\$ 3,618,429
Forecasted firm therm sales 12/01/2021 - 4/30/2021			4,214	5,206	13,068	11,844	4,702	(4,135)	34,900
Total Gas Costs plus Indirect Costs		\$ (3,447,842)	10,782,156	23,998,918	23,708,828	16,503,354	11,916,989	11,198,548	94,660,950
Total Forecasted Sales Volumes			12,470,718	18,190,255	20,866,784	16,966,205	15,497,221	9,390,960	93,382,143
Total Forecasted Collections			13,893,145	18,189,318	20,872,858	16,988,268	15,494,189	9,394,800	94,832,578

<u>Page</u>	<u>Revision</u>
Title	Original
TOC i	Original
TOC ii	Original
TOC iii	Original
TOC iv	Original
1	Sixth Revised
2	Original
3	Sixth Revised
4	Sixth Revised
5	First Revised
6	Original
7	Original
8	Original
9	Original
10	Original
11	Original
12	Original
13	Original
14	Original
15	Original
16	Original
17	Original
18	Original
19	Original
20	Original
21	Original
22	Original
23	Original
24	Original
25	Original
26	Original

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

<u>Page</u>	<u>Revision</u>
58	Original
59	Original
60	Original
61	Original
62	Original
63	Original
64	Original
65	Original
66	Original
67	Original
68	Original
69	Original
70	Original
71	Original
72	Original
73	Original
74	Original
75	Original
76	Original
77	Original
78	Original
79	Original
80	Original
81	Original
82	Original
83	Original
84	Original
85	Original
86	Original
87	Second Revised
88	Fourth Revised
89	Second Revised

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

<u>Page</u>	<u>Revision</u>
90	Original
91	First Revised
92	First Revised
93	Second Revised
94	First Revised
95	Second Revised
96	First Revised
97	Second Revised
98	First Revised
99	First Revised
100	First Revised
101	First Revised
102	Original
103	Original
104	Original
105	Original
106	Original
107	Original
108	Original
109	Original
110	Original
111	Original
112	Original
113	Original
114	Original
115	Original
116	Original
117	Original
118	Original
119	Original
120	Original
121	Original
122	Original
123	Original

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman  
Neil Proudman

EFFECTIVE: December 1, 2021

TITLE: President

22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

FIRM RATE SCHEDULES

	Rates Effective December 1, 2021 - April 30, 2022				Rates Effective May 1, 2022 - October 31, 2022			
	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
<b>Residential Non Heating - R-1</b>								
Customer Charge per Month per Meter	\$ 15.39			\$ 15.39	\$ 15.39			\$ 15.39
All therms	\$ 0.3844	\$ 1.0173	\$ 0.1517	\$ 1.5534	\$ 0.3844	\$ 0.5607	\$ 0.1388	\$ 1.0839
<b>Residential Heating - R-3</b>								
Customer Charge per Month per Meter	\$ 15.39			\$ 15.39	\$ 15.39			\$ 15.39
Size of the first block					all therms			
Therms in the first block per month at	\$ 0.5632	\$ 1.0173	\$ 0.1517	\$ 1.7322	\$ 0.5632	\$ 0.5607	\$ 0.1388	\$ 1.2627
<b>Residential Heating - R-4</b>								
Customer Charge per Month per Meter	\$ 8.47			\$ 8.47	\$ 15.39			\$ 15.39
Size of the first block					all therms			
Therms in the first block per month at	\$ 0.3098	\$ 0.5595	\$ 0.1517	\$ 1.0210	\$ 0.5632	\$ 0.5607	\$ 0.1388	\$ 1.2627
<b>Commercial/Industrial - G-41</b>								
Customer Charge per Month per Meter	\$ 57.06			\$ 57.06	\$ 57.06			\$ 57.06
Size of the first block					100 therms			
Therms in the first block per month at	\$ 0.4688	\$ 1.0175	\$ 0.0951	\$ 1.5814	\$ 0.4688	\$ 0.5612	\$ 0.0822	\$ 1.1122
All therms over the first block per month at	\$ 0.3149	\$ 1.0175	\$ 0.0951	\$ 1.4275	\$ 0.3149	\$ 0.5612	\$ 0.0822	\$ 0.9583
<b>Commercial/Industrial - G-42</b>								
Customer Charge per Month per Meter	\$ 171.19			\$ 171.19	\$ 171.19			\$ 171.19
Size of the first block					1000 therms			
Therms in the first block per month at	\$ 0.4261	\$ 1.0175	\$ 0.0951	\$ 1.5387	\$ 0.4261	\$ 0.5612	\$ 0.0822	\$ 1.0695
All therms over the first block per month at	\$ 0.2839	\$ 1.0175	\$ 0.0951	\$ 1.3965	\$ 0.2839	\$ 0.5612	\$ 0.0822	\$ 0.9273
<b>Commercial/Industrial - G-43</b>								
Customer Charge per Month per Meter	\$ 734.69			\$ 734.69	\$ 734.69			\$ 734.69
All therms over the first block per month at	\$ 0.2620	\$ 1.0175	\$ 0.0951	\$ 1.3746	\$ 0.1198	\$ 0.5612	\$ 0.0822	\$ 0.7632
<b>Commercial/Industrial - G-51</b>								
Customer Charge per Month per Meter	\$ 57.06			\$ 57.06	\$ 57.06			\$ 57.06
Size of the first block					100 therms			
Therms in the first block per month at	\$ 0.2819	\$ 1.0158	\$ 0.0951	\$ 1.3928	\$ 0.2819	\$ 0.5599	\$ 0.0822	\$ 0.9240
All therms over the first block per month at	\$ 0.1833	\$ 1.0158	\$ 0.0951	\$ 1.2942	\$ 0.1833	\$ 0.5599	\$ 0.0822	\$ 0.8254
<b>Commercial/Industrial - G-52</b>								
Customer Charge per Month per Meter	\$ 171.19			\$ 171.19	\$ 171.19			\$ 171.19
Size of the first block					1000 therms			
Therms in the first block per month at	\$ 0.2428	\$ 1.0158	\$ 0.0951	\$ 1.3537	\$ 0.1759	\$ 0.5599	\$ 0.0822	\$ 0.8180
All therms over the first block per month at	\$ 0.1617	\$ 1.0158	\$ 0.0951	\$ 1.2726	\$ 0.1000	\$ 0.5599	\$ 0.0822	\$ 0.7421
<b>Commercial/Industrial - G-53</b>								
Customer Charge per Month per Meter	\$ 756.10			\$ 756.10	\$ 756.10			\$ 756.10
All therms over the first block per month at	\$ 0.1697	\$ 1.0158	\$ 0.0951	\$ 1.2806	\$ 0.0814	\$ 0.5599	\$ 0.0822	\$ 0.7235
<b>Commercial/Industrial - G-54</b>								
Customer Charge per Month per Meter	\$ 756.10			\$ 756.10	\$ 756.10			\$ 756.10
All therms over the first block per month at	\$ 0.0648	\$ 1.0158	\$ 0.0951	\$ 1.1757	\$ 0.0352	\$ 0.5599	\$ 0.0822	\$ 0.6773

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman

EFFECTIVE: December 1, 2021

Neil Proudman  
TITLE: President

**24 FIRM RATE SCHEDULES - MANAGED EXPANSION PROGRAM-EXCLUDING  
KEENE CUSTOMERS**

**FIRM RATE SCHEDULES**

	Rates Effective December 1, 2021 - April 30, 2022 Winter Period				Rates Effective May 1, 2022 - October 31, 2022 Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
<b>Residential Non Heating - R-5</b>								
Customer Charge per Month per Meter	\$ 20.01			\$ 20.01	\$ 20.01			\$ 20.01
All Therms	\$ 0.4997	\$ 1.0173	\$ 0.1517	\$ 1.6687	\$ 0.4997	\$ 0.5607	\$ 0.1388	\$ 1.1992
<b>Residential Heating - R-6</b>								
Customer Charge per Month per Meter	\$ 20.01			\$ 20.01	\$ 20.01			\$ 20.01
Therms in the first block per month at	\$ 0.7322	\$ 1.0173	\$ 0.1517	\$ 1.9012	\$ 0.7322	\$ 0.5607	\$ 0.1388	\$ 1.4317
<b>Residential Heating - R-7</b>								
Customer Charge per Month per Meter	\$ 11.01			\$ 11.01	\$ 20.01			\$ 20.01
Therms in the first block per month at	\$ 0.4027	\$ 0.5595	\$ 0.1517	\$ 1.1139	\$ 0.7322	\$ 0.5607	\$ 0.1388	\$ 1.4317
<b>Commercial/Industrial - G-44</b>								
Customer Charge per Month per Meter	\$ 74.18			\$ 74.18	\$ 74.18			\$ 74.18
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.6094	\$ 1.0175	\$ 0.0951	\$ 1.7220	\$ 0.6094	\$ 0.5612	\$ 0.0822	\$ 1.2528
All therms over the first block per month at	\$ 0.4094	\$ 1.0175	\$ 0.0951	\$ 1.5220	\$ 0.4094	\$ 0.5612	\$ 0.0822	\$ 1.0528
<b>Commercial/Industrial - G-45</b>								
Customer Charge per Month per Meter	\$ 222.55			\$ 222.55	\$ 222.55			\$ 222.55
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.5539	\$ 1.0175	\$ 0.0951	\$ 1.6665	\$ 0.5539	\$ 0.5612	\$ 0.0822	\$ 1.1973
All therms over the first block per month at	\$ 0.3691	\$ 1.0175	\$ 0.0951	\$ 1.4817	\$ 0.3691	\$ 0.5612	\$ 0.0822	\$ 1.0125
<b>Commercial/Industrial - G-46</b>								
Customer Charge per Month per Meter	\$ 955.10			\$ 955.10	\$ 955.10			\$ 955.10
All therms over the first block per month at	\$ 0.3406	\$ 1.0175	\$ 0.0951	\$ 1.4532	\$ 0.1557	\$ 0.5612	\$ 0.0822	\$ 0.7991
<b>Commercial/Industrial - G-55</b>								
Customer Charge per Month per Meter	\$ 74.18			\$ 74.18	\$ 74.18			\$ 74.18
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.3665	\$ 1.0158	\$ 0.0951	\$ 1.4774	\$ 0.3665	\$ 0.5599	\$ 0.0822	\$ 1.0086
All therms over the first block per month at	\$ 0.2383	\$ 1.0158	\$ 0.0951	\$ 1.3492	\$ 0.2383	\$ 0.5599	\$ 0.0822	\$ 0.8804
<b>Commercial/Industrial - G-56</b>								
Customer Charge per Month per Meter	\$ 222.55			\$ 222.55	\$ 222.55			\$ 222.55
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.3157	\$ 1.0158	\$ 0.0951	\$ 1.4266	\$ 0.2287	\$ 0.5599	\$ 0.0822	\$ 0.8708
All therms over the first block per month at	\$ 0.2102	\$ 1.0158	\$ 0.0951	\$ 1.3211	\$ 0.1300	\$ 0.5599	\$ 0.0822	\$ 0.7721
<b>Commercial/Industrial - G-57</b>								
Customer Charge per Month per Meter	\$ 982.93			\$ 982.93	\$ 982.93			\$ 982.93
All therms over the first block per month at	\$ 0.2207	\$ 1.0158	\$ 0.0951	\$ 1.3316	\$ 0.1059	\$ 0.5599	\$ 0.0822	\$ 0.7480
<b>Commercial/Industrial - G-58</b>								
Customer Charge per Month per Meter	\$ 982.93			\$ 982.93	\$ 982.93			\$ 982.93
All therms over the first block per month at	\$ 0.0842	\$ 1.0158	\$ 0.0951	\$ 1.1951	\$ 0.0457	\$ 0.5599	\$ 0.0822	\$ 0.6878

DATED: November 22, 2021

EFFECTIVE: November 1, 2021

ISSUED BY: /s/Neil Proudman  
Neil Proudman  
TITLE: President

**30 CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE - EXCLUDING**

CALCULATION OF FIRM SALES COST OF GAS RATE  
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022  
(Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 94,810,891	
Projected Prorated Sales (11/01/2021 - 04/30/22)	87,443,741	
<b>Direct Cost of Gas Rate</b>		\$ 1.0843 per therm
<b>Demand Cost of Gas Rate</b>	\$ 13,868,897	\$ 0.1586 per therm
<b>Commodity Cost of Gas Rate</b>	80,780,853	\$ 0.9238 per therm
<b>Adjustment Cost of Gas Rate</b>	161,141	\$ 0.0018 per therm
<b>Total Direct Cost of Gas Rate</b>	\$ 94,810,891	\$ 1.0843 per therm
Total Anticipated Indirect Cost of Gas	\$ 4,338,002	
Projected Prorated Sales (11/01/21 - 04/30/22)	87,443,741	
<b>Indirect Cost of Gas</b>		\$ 0.0496 per therm
<b>TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/21</b>		<b>\$ 1.1339 per therm</b>

<b>RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - 11/01/21</b>	<b>COGwr</b>	<b>\$ 1.1339 /them</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>RESIDENTIAL COST OF GAS RATE - 12/01/2021</b>	<b>COGsr</b>	<b>\$ 1.0173 /them</b>
	Maximum (COG + 25%)	\$ 1.4174

<b>GAS ASSISTANCE PLAN RESIDENTIAL COST OF GAS RATE R-4 - 11/01/21</b>	<b>COGwr</b>	<b>\$ 0.6236 /them</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.0641)</b>
<b>RESIDENTIAL COST OF GAS RATE - 12/01/2021</b>	<b>COGsr</b>	<b>\$ 0.5595 /them</b>
	Maximum (COG + 25%)	\$ 0.7796

<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 11/01/21</b>	<b>COGwl</b>	<b>\$ 1.1324 /them</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>C&amp;I LOW WINTER USE COST OF GAS RATE - 12/01/2021</b>	<b>COGsl</b>	<b>\$ 1.0158 /them</b>

Average Demand Cost of Gas Rate Effective 11/01/21	\$ 0.1586		
Times: Low Winter Use Ratio (Winter)	0.9910	Maximum (COG + 25%)	\$ 1.4155
Times: Correction Factor	1.0001		
<b>Adjusted Demand Cost of Gas Rate</b>	<b>\$ 0.1572</b>		
Commodity Cost of Gas Rate	\$ 0.9238		
Adjustment Cost of Gas Rate	\$ 0.0018		
Indirect Cost of Gas Rate	\$ 0.0496		
<b>Adjusted C&amp;I Low Winter Use Cost of Gas Rate</b>	<b>\$ 1.1324</b>		

<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 11/01/21</b>	<b>COGwh</b>	<b>\$ 1.1341 /them</b>
<b>Change in rate due to change in under/over recovery</b>		<b>\$ (0.1166)</b>
<b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 12/01/2021</b>	<b>COGsh</b>	<b>\$ 1.0175 /them</b>

Average Demand Cost of Gas Rate Effective 11/01/21	\$ 0.1586		
Times: High Winter Use Ratio (Winter)	1.0017	Maximum (COG + 25%)	\$ 1.4176
Times: Correction Factor	1.0001		
<b>Adjusted Demand Cost of Gas Rate</b>	<b>\$ 0.1589</b>		
Commodity Cost of Gas Rate	\$ 0.9238		
Adjustment Cost of Gas Rate	\$ 0.0018		
Indirect Cost of Gas Rate	\$ 0.0496		
<b>Adjusted C&amp;I High Winter Use Cost of Gas Rate</b>	<b>\$ 1.1341</b>		

DATED: November 22, 2021

ISSUED BY: /s/Neil Proudman  
Neil Proudman

EFFECTIVE: November 1, 2021

TITLE: President