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EFFECTIVE: November 1, 2021 Neil Proudma

President

Neil Proudma

TITLE: President

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President

Neil Proudma

TITLE: President

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### 22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

	Rates Effe	ective	Novemb Winter			pril	30, 2022		Rates Effe	ctive	e May 1, Summe			er 31	, 2022
	Delivery <u>Charge</u>	G	Cost of as Rate Page 95		LDAC age 101		Total <u>Rate</u>		elivery Charge	Ga	ost of as Rate age 92		LDAC ige 101		Total <u>Rate</u>
Residential Non Heating - R-1 Customer Charge per Month per Meter All therms	\$ 15.3 \$ 0.384		1.1339	\$	0.1397	\$	15.39 1.6580	\$ \$	15.39 0.3844	\$	0.5587	\$	0.1397	\$	15.39 1.0828
Residential Heating - R-3 Customer Charge per Month per Meter Size of the first block	\$ 15.39 all therm	ıs				\$	15.39		15.39 all therms					\$	15.39
Therms in the first block per month at  Residential Heating - R-4	\$ 0.563	2 \$	1.1339	\$	0.1397	\$	1.8368	\$	0.5632	\$	0.5587	\$	0.1397	\$	1.2616
Customer Charge per Month per Meter Size of the first block	\$ 8.4 all therm	ıs				\$	8.47		15.39 all therms					\$	15.39
Therms in the first block per month at  Commercial/Industrial - G-41	\$ 0.309	8 \$	0.6236	\$	0.1397	\$	1.0731	\$	0.5632	\$	0.5587	\$	0.1397	\$	1.2616
Customer Charge per Month per Meter Size of the first block	\$ 57.00 100 therm	ıs				\$	57.06		57.06 20 therms					\$	57.06
Therms in the first block per month at All therms over the first block per month at	\$ 0.468 \$ 0.314		1.1341 1.1341	\$ \$	0.0831 0.0831		1.6860 1.5321	\$ \$	0.4688 0.3149	\$ \$	0.5593 0.5593	\$ \$	0.0831 0.0831	\$ \$	1.1112 0.9573
Commercial/Industrial - G-42 Customer Charge per Month per Meter Size of the first block	\$ 171.19					\$	171.19	\$ 40	171.19 00 therms					\$	171.19
Therms in the first block per month at All therms over the first block per month at	\$ 0.426 \$ 0.283		1.1341 1.1341	\$ \$	0.0831 0.0831	\$ \$	1.6433 1.5011	\$ \$	0.4261 0.2839	\$ \$	0.5593 0.5593	\$ \$	0.0831 0.0831	\$ \$	1.0685 0.9263
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$ 734.69 \$ 0.262		1.1341	\$	0.0831	\$	734.69 1.4792	\$ \$	734.69 0.1198	\$	0.5593	\$	0.0831	\$ \$	734.69 0.7622
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block	\$ 57.00					\$	57.06	\$	57.06 00 therms					\$	57.06
Therms in the first block per month at All therms over the first block per month at	\$ 0.281	9 \$	1.1324 1.1324	\$ \$	0.0831 0.0831		1.4974 1.3988	\$	0.2819 0.1833	\$ \$	0.5580 0.5580	\$ \$	0.0831 0.0831	\$ \$	0.9230 0.8244
Commercial/Industrial - G-52 Customer Charge per Month per Meter Size of the first block	\$ 171.19					\$	171.19	\$ 100	171.19 00 therms					\$	171.19
Therms in the first block per month at All therms over the first block per month at	\$ 0.242	8 \$	1.1324 1.1324	\$ \$	0.0831 0.0831		1.4583 1.3772	\$	0.1759 0.1000	\$ \$	0.5580 0.5580	\$ \$	0.0831 0.0831	\$ \$	0.8170 0.7411
<u>Commercial/Industrial - G-53</u> Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.10 \$ 0.169		1.1324	\$	0.0831	\$ \$	756.10 1.3852	\$ \$	756.10 0.0814	\$	0.5580	\$	0.0831	\$ \$	756.10 0.7225
Commercial/Industrial - G-54 Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.10 \$ 0.064		1.1324	\$	0.0831	\$ \$	756.10 1.2803	\$ \$	756.10 0.0352	\$	0.5580	\$	0.0831	\$	756.10 0.6763

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Neil Proudman

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

	Rates Effective November 1, 2021 - April 30, 2022 Winter Period						Rates Effective May 1, 2022 - October 31, 2022 Summer Period									
		elivery Charge	G	Cost of as Rate age 95		LDAC age 101		Total <u>Rate</u>		elivery <u>harge</u>	Ga	ost of as Rate age 92		LDAC ige 101		Total <u>Rate</u>
Residential Non Heating - R-5 Customer Charge per Month per Meter All Therms	\$ \$	20.01 0.4997	\$	1.1339	\$	0.1397	\$	20.01 1.7733	\$ \$	20.01 0.4997	\$	0.5587	\$	0.1397	\$	20.01 1.1981
Residential Heating - R-6 Customer Charge per Month per Meter Therms in the first block per month at	\$ \$	20.01 0.7322	\$	1.1339	\$	0.1397	\$	20.01 2.0058	\$ \$	20.01 0.7322	\$	0.5587	\$	0.1397	\$	20.01 1.4306
Residential Heating - R-7 Customer Charge per Month per Meter Therms in the first block per month at	\$ \$	11.01 0.4027	\$	0.6236	\$	0.1397	\$	11.01 1.1660	\$ \$	20.01 0.7322	\$	0.5587	\$	0.1397	\$	20.01 1.4306
Commercial/Industrial - G-44 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 10 \$	74.18 00 therms 0.6094		1.1341	\$	0.0831	\$	74.18 1.8266	\$ 2 \$	74.18 0 therms 0.6094	\$	0.5593	\$	0.0831	\$	74.18 1.2518
All therms over the first block per month at	\$	0.4094		1.1341		0.0831		1.6266	\$	0.4094	\$	0.5593	\$	0.0831		1.0518
Commercial/Industrial - G-45 Customer Charge per Month per Meter Size of the first block		222.55 00 therms					\$	222.55		222.55 therms					\$	222.55
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.5539 0.3691		1.1341 1.1341		0.0831 0.0831	\$	1.7711 1.5863	\$ \$	0.5539 0.3691		0.5593 0.5593	\$ \$	0.0831 0.0831		1.1963 1.0115
Commercial/Industrial - G-46 Customer Charge per Month per Meter All therms over the first block per month at	\$ \$	955.10 0.3406	\$	1.1341	\$	0.0831	\$ \$	955.10 1.5578	\$ \$	955.10 0.1557	\$	0.5593	\$	0.0831	\$ \$	955.10 0.7981
Commercial/Industrial - G-55 Customer Charge per Month per Meter Size of the first block	\$ 10	74.18 00 therms					\$	74.18	\$ 10	74.18 0 therms					\$	74.18
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.3665 0.2383		1.1324 1.1324		0.0831 0.0831		1.5820 1.4538	\$ \$	0.3665 0.2383	\$ \$	0.5580 0.5580	\$ \$	0.0831 0.0831		1.0076 0.8794
Commercial/Industrial - G-56 Customer Charge per Month per Meter Size of the first block	\$ 100	222.55 00 therms					\$	222.55	\$ 100	222.55 0 therms					\$	222.55
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.3157 0.2102		1.1324 1.1324		0.0831 0.0831	\$ \$	1.5312 1.4257	\$ \$	0.2287 0.1300		0.5580 0.5580	\$ \$	0.0831 0.0831	\$ \$	0.8698 0.7711
Commercial/Industrial - G-57 Customer Charge per Month per Meter All therms over the first block per month at	\$ \$	982.93 0.2207	\$	1.1324	\$	0.0831	\$ \$	982.93 1.4362	\$ \$	982.93 0.1059	\$	0.5580	\$	0.0831	\$ \$	982.93 0.7470
Commercial/Industrial - G-58 Customer Charge per Month per Meter All therms over the first block per month at	\$ \$	982.93 0.0842	\$	1.1324	\$	0.0831	\$	982.93 1.2997	\$ \$	982.93 0.0457	\$	0.5580	\$	0.0831	\$	982.93 0.6868

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(Col 2) (Col 3)

## 26 ANTCIPATED SUMMER PERIOD COST OF GAS EXCLUDING KEENE CUSTOMERS OR GAS LIGHTING

#### Anticipated Cost of Gas

## PERIOD COVERED: SUMMER PERIOD, MAY 1, 2022 THROUGH OCTOBER 31, 2022 (REFER TO TEXT IN SECTION 16 COST OF GAS CLAUSE)

(Col 1)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS Purchased Gas:		
Demand Costs: Supply Costs:	\$ 3,276,842 6,971,475	
Storage Gas:		
Demand, Capacity:	\$ -	
Commodity Costs:	-	
Produced Gas:	\$ 82,504	
Hedged Contract (Savings)/Loss	<u>\$ -</u>	
Unadjusted Anticipated Cost of Gas	\$	10,330,821
Adjustments:		
Prior Period (Over)/Under Recovery (as of April 30, 2019)	\$ 4,472,186	
Interest	222,837	
Prior Period Adjustments Broker Revenues	-	
Refunds from Suppliers	-	
Fuel Financing	_	
Transportation CGA Revenues	-	
Interruptible Sales Margin	-	
Capacity Release Margin	-	
Hedging Costs	-	
Fixed Price Option Administrative Costs  Total Adjustments	- _	4,695,023
Total Anticipated Direct Cost of Gas	\$	15,025,844
Anticipated Indirect Cost of Gas		
Working Capital:	<b>*</b> 40 000 004	
Total Unadjusted Anticipated Cost of Gas 05/01/19 - 10/31/19) Working Capital Rate - Lead Lag Days / 365	\$10,330,821 0.0023	
Prime Rate	3.25%	
Working Capital Percentage	0.007%	
Working Capital	\$ 769	
Plus: Working Capital Reconciliation (Acct 1163-1424)	4,555	
Total Working Capital Allowance	\$	5,324
B. J. D. M.		
Bad Debt: Total Unadjusted Anticipated Cost of Gas 05/01/19 - 10/31/19)	\$10,330,821	
Less: Refunds	Ψ 10,330,021	
Plus: Total Working Capital	5,324	
Plus: Prior Period (Over)/Under Recovery	4,472,186	
Subtotal	\$14,808,331	
Bad Debt Percentage	0.70%	
Bad Debt Allowance	\$ 103,658	
Plus: Bad Debt Reconciliation (Acct 1163-1754)	23,159	
Total Bad Debt Allowance		126,817
Production and Storage Capacity		-
Miscellaneous Overhead (05/01/19 - 10/31/19)	\$ -	
Times Summer Sales	23,366	
Divided by Total Sales	115,043	
Miscellaneous Overhead		-
Total Anticipated Indirect Cost of Gas	\$	132,141
Total Cost of Gas	\$	15,157,985

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## 27 CALCULATION OF FIRM SALES SUMMER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS

# CALCULATION OF FIRM SALES COST OF GAS RATE PERIOD COVERED: SUMMER PERIOD, MAY 1, 2022 THROUGH OCTOBER 31, 2022 (Refer to Text in Section 17 Cost of Gas Clause)

	(Col 1)			(Col 2)	(	(Col 3)	
Total Anticipated Direct Cost o Projected Prorated Sales (05/0 Direct Cost of Gas Rate			\$	15,025,844 27,125,444	\$	0.5539	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate	•		\$	3,276,842 7,053,979 4,695,023 15,025,844	\$ \$	0.2601 0.1731	per therm per therm per therm per therm
Total Anticipated Indirect Cost Projected Prorated Sales (05/0 Indirect Cost of Gas			\$	131,366 27,125,444	\$	0.0048	per therm
TOTAL PERIOD AVERAGE C	OST OF GAS EFFECTIVE 05/01/22				\$	0.5587	per therm
RESIDENTIAL COST OF GAS	RATE - 05/01/2022		COC	Gsr	\$	0.5587	/therm
			Maximum (CO	G + 25%)	\$	0.6984	
COM/IND LOW WINTER USE	COST OF GAS RATE - 05/01/2022		cod	Gsl	\$	0.5580	/therm
	Average Demand Cost of Gas Rate Effective 05/01/22 'Times: Low Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.1208 0.9910 1.0027 \$ 0.1200 \$ 0.2601 0.1731 0.0048 \$ 0.5580	Maximum (CO	G + 25%)	\$	0.6975	
	'Times: Low Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate	0.9910 1.0027 \$ 0.1200 \$ 0.2601 0.1731 0.0048	Maximum (CO	ŕ	\$		/therm

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Neil Proudman

## 29 CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS

## CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022 (Refer to Text in Section 17(A) Fixed Price Option Program)

(Col 1)	(Col 2)	(C	Col 3)	
1 Total Anticipated Direct Cost of Gas 2 Projected Prorated Sales (11/01/21 - 04/30/22)	\$94,810,891 87,443,741			
3 Direct Cost of Gas Rate		\$	1.0843	per therm
4 Demand Cost of Gas Rate	\$13,868,897	\$	0.1586	per therm
5 Commodity Cost of Gas Rate	80,780,853	\$	0.9238	per therm
6 Adjustment Cost of Gas Rate	161,141	\$	0.0018	per therm
7 Total Direct Cost of Gas Rate	\$94,810,891	\$	1.0843	per therm
8 Total Anticipated Indirect Cost of Gas	\$ 4,338,002			
9 Projected Prorated Sales (11/01/21 - 04/30/22)	87,443,741			
10 Indirect Cost of Gas		\$	0.0496	per therm
11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21)		\$	1.1339	
12 Calculation of FPO Excluding Low Income - Rate Code R-3				
13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21)		\$	1.1339	
14 FPO Risk Premium		\$	0.0200	
15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21)		\$	1.1539	
16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21	COGwr	\$	1.1539	/therm
17 Calculation of FPO for Gas Assistance Program - Rate Code R-4				
18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55)		\$	0.6236	
19 FPO Risk Premium (Line 14 * 0.55)		\$	0.0110	
20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55)		\$	0.6346	
21 RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/21	COGwr	\$	0.6346	/therm

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman

Neil Proudman

## 30 CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE - EXCLUDING KEENE CUSTOMERS

# 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 Projected Prorated Sales (11/01/2021 - 04/30/22) Direct Cost of Gas Rate				\$	94,810,891 87,443,741	\$	1.0843	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate				\$	13,868,897 80,780,853 161,141 94,810,891	\$	0.9238 0.0018	per therm 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				\$	4,338,002 87,443,741	\$	0.0496	per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/21						\$	1.1339	per therm
RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - 11/01/21				COG	wr	\$	1.1339	/therm
			Maximum	(COG	6 + 25%)	\$	1.4174	
GAS ASSISTANCE PLAN RESIDENTIAL COST OF GAS RATE R-4 - 11/01/21				COG	wr	\$	0.6236	/therm
			Maximum	(COG	6 + 25%)	\$	0.7796	
C&I LOW WINTER USE COST OF GAS RATE - 11/01/21				COG	wl	\$	1.1324	/therm
Average Demand Cost of Gas Rate Effective 11/01/21 Times: Low Winter Use Ratio (Winter) Times: Correction Factor	\$	0.1586 0.9910	Maximum	(000	6 + 25%)	\$	1.4155	
Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate  Adjustment Cost of Gas Rate  Indirect Cost of Gas Rate  Adjusted C&I Low Winter Use Cost of Gas Rate	\$ \$ \$	1.0001 0.1572 0.9238 0.0018 0.0496 1.1324	IVIAAIIIIUIII	(000	20.0,	·		

Average Demand Cost of Gas Rate Effective 11/01/21 Times: High Winter Use Ratio (Winter) Times: Correction Factor	\$ 0.1586 1.0017 1.0001	Maximum (COG + 25%)	\$ 1.4176
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		

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### 31. ANTICIPATED COST OF GAS - EXCLUDING KEENE CUSTOMERS

## Anticipated Cost of Gas PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022 (REFER TO TEXT ON IN SECTION 17 COST OF GAS CLAUSE)

(Col 1)		(Col 2)		(Col 3)	
ANTICIPATED DIRECT COST OF GAS					
Purchased Gas:					
Demand Costs:	\$	12,887,000			
Supply Costs:		72,351,034			
Storage Gas:					
Demand, Capacity:	\$	981,898			
Commodity Costs:		6,130,435			
Produced Gas:		2,299,384			\$ 9,411,717
Hedged Contract (Saving)/Loss		-			
Hedge Underground Storage Contract (Saving)/Loss	-				
Unadjusted Anticipated Cost of Gas			\$	94,649,751	28,544,323
Adjustments:					
Prior Period (Over)/Under Recovery (as of 05/01/20)	\$	1,431,639			
Interest Fuel Inventory Revenue Requirement		44,085 335,667			
Broker Revenues		(3,600)			
Refunds from Suppliers		-			
Fuel Financing		- (0.000)			
Transportation CGA Revenues Interruptible Sales Margin		(6,938)			
Capacity Release and Off System Sales Margins		(1,676,512)			
Hedging Costs		-			
Fixed Price Option Administrative Costs  Total Adjustments		36,800		161,141	
rotal Adjustments				101,141	
Total Anticipated Direct Cost of Gas			\$	94,810,891	
Anticipated Indirect Cost of Gas					
Working Capital:					
Total Unadjusted Anticipated Cost of Gas 11/01/20 - 04/30/21	\$	94,649,751			
Working Capital Rate: Lead Lag Days / 365 Prime Rate		0.0705 3.25%			
Working Capital Percentage		0.229%			
Working Capital	\$	216,761			
Plus: Working Capital Reconciliation (Acct 142.20)		(14,859)			
Total Working Capital Allowance	-	( : 1,000 )		201,902	
• .					
Bad Debt:	•	04.040.==:			
Total Unadjusted Anticipated Cost of Gas 11/01/20 - 04/30/21 Less: Refunds	\$	94,649,751			
Plus: Total Working Capital		201,902			
Plus: Prior Period (Over)/Under Recovery		1,431,639			
Subtotal	\$	96,283,291			
Bad Debt Percentage		0.70%			
Bad Debt Allowance	\$	673,983			
Plus: Bad Debt Reconciliation (Acct 175.52)		(223,340)	_		
Total Bad Debt Allowance			\$	450,643	
Duradication and Stevens Connective			¢.	2 605 450	
Production and Storage Capacity			\$	3,685,458	
Miscellaneous Overhead 11/01/20 - 04/30/21	\$	-			
Times Winter Sales		91,677			
Divided by Total Sales  Miscellaneous Overhead		115,043			
Total Anticipated Indirect Cost of Gas			\$	4,338,002	
Total Cost of Gas			\$	99,148,894	

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman

Neil Proudman TITLE: President

#### 33. CALCULATION OF FIRM TRANSPORTATION COST OF GAS RATE

Calculation of Firm Transportation Cost of Gas Rate
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022
(Refer to text in Section 16(Q) Firm Transportation Cost of Gas Clause)

(Col 1)	(Col 2)		(Col 3)		(	Col 4)
ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES:						
PROPANE	\$ 920,459					
LNG	1,378,925					
TOTAL ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES ESTIMATED PERCENTAGE USED FOR PRESSURE SUPPORT PURPOSES ESTIMATED COST OF LIQUIDS USED FOR PRESSURE SUPPORT PURPOSES	2,299,384 <u>8.7%</u> \$ 200,046					
PROJECTED FIRM THROUGHPUT (THERMS): FIRM SALES FIRM TRANSPORTATION SUBJECT TO FTCG TOTAL FIRM THROUGHPUT SUBJECT TO COST OF GAS CHARGE	91,676,680 42,583,790 134,260,470		68.3% <u>31.7%</u> 100.0%			
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	31.7%	Х	\$200,046	=	\$	63,449
PRIOR (OVER) OR UNDER COLLECTION						(56,511)
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOMERS					\$	6,938
PROJECTED FIRM TRANSPORTATION THROUGHPUT					42,	583,790
FIRM TRANSPORTATION COST OF GAS					\$	0.0002

DATED: November 19, 2021

EFFECTIVE: November 1, 2021

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

### 34. ENVIRONMENTAL SURCHARGE - MANUFACTURED GAS PLANTS

#### **Environmental Surcharge - Manufactured Gas Plants**

#### **Manufactured Gas Plants**

Required Annual Environmental Increase	\$2,351,805
Second one-third of prior period under recoveries (through June 2019)	\$341,389
July 2020 - June 2021 recovery difference between actual and estimate	<u>\$139.028</u>
Environmental Subtotal	\$2,832,222
Overall Annual Net Increase to Rates	\$2,832,222
Estimated weather normalized firm therms billed for the twelve months ended 10/31/2022 - sales and transportation  Surcharge per therm	182,829,872 therms \$0.0155 per therm
Total Environmental Surcharge	<u>\$0.0155</u>

DATED: November 19, 2021

EFFECTIVE: November 1, 2021

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

### 35 RATE CASE EXPENSE AND RECOUPMENT FACTOR CALCULATION

1	Rate Case Exepense	
2	Prior Period Balance	(\$11,949)
3	Expenses thru June 30, 2021	<u>\$785,177</u>
4	Balance at June 30, 2021	\$773,228
5	Less: Accrual Balance	(\$26,000)
6	Removal of RCE per Order 26,2541 in DG 21-130	(\$747,228)
6	Adjusted Rate Case Expense	(\$0)
7		
8	Recoupment	
9	Distribution Recoupment from Docket No. DG 20-105	(\$568,780)
10	Indirect Costs Recoupment from Docket No. DG 20-105	<u>\$1,900,000</u>
11	Total Recoupment	\$1,331,220
12		
13	Beginning Balance	\$1,331,220
14		
15	Estimated Remaining Expenses	\$0
16		
17	Plus Estimated Interest from July 2021 through October 2021	\$10,899
18		
19	Minus Estimated Recoveries from July 2021 through October 2021	(\$7,864)
20		
21	Total Estimated Remaining Recovery As of November 1, 2021	\$1,334,255
22		
23	Estimated November 2021 - October 2022 Interest	<u>\$16,852</u>
24		
25	Total Remaining Recovery	\$1,351,107
26		
27	Estimated November 2021 - October 2022 Sales (therms)	182,829,872
28		
29	RCE & Recoupment rate per therm November 2021 - October 2022	\$0.0074

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman

Neil Proudman President

### 36 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE CALCULATION

#### **Local Delivery Adjustment Charge Calculation**

Residential Non Heating Rates - R-1, R-5 Energy Efficiency Charge	\$ 0.0861	<u>(</u>	Sales <u>Customers</u>	Transportation Customers	
Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH	 0.0000	\$	0.0861		
Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Property Tax Adjustment Mechanism (PTAM) Rate Case Expense Factor (RCEF) Gas Assistance Program (GAP) LDAC	0.0155	\$	0.0155 0.0152 0.0120 0.0074 0.0156 <b>0.1517</b>		per therm
		•	0.1011		per aleilii
Residential Heating Rates - R-3, R-4, R-6, R-7 Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx)	\$ 0.0861 0.0000	\$	0.0861		
Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES)	 0.0000 0.0155		0.0155		
Revenue Decoupling Adjustment Factor (RDAF) Property Tax Adjustment Mechanism (PTAM) Rate Case Expense Factor (RCEF)			0.0152 0.0120 0.0074		
Gas Assistance Program (GAP) LDAC	•	\$	0.0156 <b>0.1517</b>		per therm
Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55 Energy Efficiency Charge	\$0.0408				
Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH	 0.0000	\$	0.0408	\$ 0.0408	
Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Property Tax Adjustment Mechanism (PTAM)	0.0155		0.0155 0.0039 0.0120	0.0155 0.0039 0.0120	
Rate Case Expense Factor (RCEF) Gas Assistance Program (GAP) LDAC		\$	0.0074 0.0156 <b>0.0951</b>	0.0074 0.0156 \$ 0.0951	per therm
Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56					
Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH	 \$0.0408 0.0000 0.0000		\$0.0408	\$0.0408	
Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Property Tax Adjustment Mechanism (PTAM)	 0.0155		0.0155 0.0039 0.0120	0.0155 0.0039 0.0120	
Rate Case Expense Factor (RCEF) Gas Assistance Program (GAP) LDAC		\$	0.0074 0.0156 <b>0.0951</b>	0.0074 0.0156	per therm
Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57,G-58					
Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH	\$ 0.0408 0.0000 0.0000		\$0.0408	\$0.0408	
Manufactured Gas Plants	0.0000		0.0155	0.0155	
Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Property Tax Adjustment Mechanism (PTAM) Rate Case Expense Factor (RCEF)			0.0155 0.0039 0.0120 0.0074	0.0135 0.0039 0.0120 0.0074	
Gas Assistance Program (GAP)  LDAC		\$	0.0074 0.0156 <b>0.0951</b>	0.0156	per therm

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Neil Proudman
TITLE: President

### 2 ATTACHMENT B Schedule of Administrative Fees and Charges

#### Schedule of Administrative Fees and Charges

l. Supplier Balancing Charge: \$ 0.1800 per MMBtu of Daily Imbalance Volumes")

II. Capacity Mitigation Fee 15% of the Proceeds from the Marketing of

III. Peaking Demand Charge \$ 54.72 MMBTU of Peak MDQ

IV. Company Allowance Calculation (per Schedule 25)

165,859,380 Total Sendout - Therms Jul -2020 - Jun-2021 163,831,092 Total Throughput - Therms Jul-2020 - Jun-2021

2,028,288 Variance (Sendout - Throughput)
1.2% Variance / Total Sendout

Company Allowance Percentage 2020-21

DATED: November 19, 2021

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Neil Proudman
EFFECTIVE:November 1, 2021

TITLE: President

## 3 ATTACHMENT C Capacity Allocators

#### **CAPACITY ALLOCATORS**

Rate Class		Pipeline	Storage	Peaking	Total
G-41	Low Annual /High Winter Use	69.1%	16.8%	14.1%	100.0%
G-51	Low Annual /Low Winter Use	76.2%	12.9%	10.9%	100.0%
G-42	Medium Annual / High Winter	69.1%	16.8%	14.1%	100.0%
G-52	High Annual / Low Winter Use	76.2%	12.9%	10.9%	100.0%
G-43	High Annual / High Winter	69.1%	16.8%	14.1%	100.0%
G-53	High Annual / Load Factor < 90%	76.2%	12.9%	10.9%	100.0%
G-54	High Annual / Load Factor < 90%	76.2%	12.9%	10.9%	100.0%

## Compare Results

versus

Old File:

Current Effective Tariff Pages DG 21-130 Tariff
Compliance Filing.pdf

**17 pages (375 KB)** 11/16/2021 5:41:54 PM

New File:

Proposed Tariff Pages DG 21-130 11-1-21.pdf

**17 pages (397 KB)** 11/18/2021 3:59:04 PM

**Total Changes** 

343

Text only comparison

Content

286 Replacements

36 Insertions

**Deletions** 

Styling and Annotations

O Styling

O Annotations

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<u>Page</u>	Revision
Title	Original
TOC i	Original
TOC ii	Original
TOC iii	Original
TOC iv	Original
1	Fourth Revised
2	Original
3	Fourth Revised
4	Fourth Revised
5	First Revised
6	Original
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9	Original
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11	Original
12	Original
13	Original
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84	Original
85	Original
86	Original
87	First Revised
88	Third Revised
89	First Revised

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EFFECTIVE: November 1, 2021

TITLE: President

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92	First Revised
93	Second Revised
94	First Revised
95	First Revised
96	First Revised
97	First Revised
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100	First Revised
101	First Revised
102	Original
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DATED: November 19, 2021

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152	Original
153	First Revised
154	First Revised

DATED: November 19, 2021

EFFECTIVE:November 1, 2021

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TITLE: President

## 22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

	Rates Effective November 1, 2021 - April 30, 2022 Winter Period								Rates Effective May 1, 2022 - October 31, 2022 Summer Period									
	Delivery <u>Charge</u>				LDAC <u>Page 101</u>		Total <u>Rate</u>		Delivery <u>Charge</u>		Cost of as Rate Page 92	LDAC <u>Page 101</u>			Total <u>Rate</u>			
Residential Non Heating - R-1 Customer Charge per Month per Meter	\$	15.39					\$	15.39	\$	15.3	1				\$	15.39		
All therms	\$		\$	1.1339	\$	0.1397		1.6580	\$	0.384		0.5587	\$	0.1397		1.0828		
Residential Heating - R-3																		
Customer Charge per Month per Meter	\$	15.39					\$	15.39	\$	15.3					\$	15.39		
Size of the first block  Therms in the first block per month at	\$	all therms 0.5632	\$	1.1339	\$	0.1397	\$	1.8368	\$	all therm 0.563		0.5587	\$	0.1397	\$	1.2616		
	·		·		·		·		·		•		•		·			
Residential Heating - R-4 Customer Charge per Month per Meter	\$	8.47					\$	8.47	\$	15.3	)				\$	15.39		
Size of the first block		all therms								all therm	S							
Therms in the first block per month at	\$	0.3098	\$	0.6236	\$	0.1397	\$	1.0731	\$	0.563	2 \$	0.5587	\$	0.1397	\$	1.2616		
Commercial/Industrial - G-41																		
Customer Charge per Month per Meter Size of the first block	\$ 10	57.06 00 therms					\$	57.06	\$	57.0 20 therm					\$	57.06		
Therms in the first block per month at	\$	0.4688	\$	1.1341	\$	0.0831	\$	1.6860	\$	0.468		0.5593	\$	0.0831	\$	1.1112		
All therms over the first block per month at	\$	0.3149	\$	1.1341	\$	0.0831	\$	1.5321	\$	0.314	\$	0.5593	\$	0.0831	\$	0.9573		
Commercial/Industrial - G-42																		
Customer Charge per Month per Meter	\$	171.19					\$	171.19	\$	171.1					\$	171.19		
Size of the first block Therms in the first block per month at	100	0.4261	\$	1.1341	\$	0.0831	\$	1.6433	\$	00 therm 0.426		0.5593	\$	0.0831	\$	1.0685		
All therms over the first block per month at		0.2839	\$	1.1341		0.0831		1.5011	\$	0.283		0.5593		0.0831		0.9263		
Commercial/Industrial - G-43																		
Customer Charge per Month per Meter	\$	734.69					\$	734.69	\$	734.6	)				\$	734.69		
All therms over the first block per month at	\$	0.2620	\$	1.1341	\$	0.0831	\$	1.4792	\$	0.119	\$	0.5593	\$	0.0831	\$	0.7622		
Commercial/Industrial - G-51																		
Customer Charge per Month per Meter	\$	57.06					\$	57.06	\$	57.0					\$	57.06		
Size of the first block Therms in the first block per month at	1( \$	0.2819	\$	1.1324	\$	0.0831	\$	1.4974	\$	00 therm 0.281	-	0.5580	\$	0.0831	\$	0.9230		
All therms over the first block per month at		0.1833	\$	1.1324		0.0831		1.3988	\$	0.183		0.5580		0.0831		0.8244		
Commercial/Industrial - G-52																		
Customer Charge per Month per Meter	\$	171.19					\$	171.19	\$	171.1	)				\$	171.19		
Size of the first block	100 \$	00 therms	œ.	4 4004	Φ.	0.0004	œ.	4 4500		00 therm		0.5500	Φ.	0.0024	Φ.	0.8170		
Therms in the first block per month at All therms over the first block per month at		0.2428 0.1617	\$	1.1324 1.1324		0.0831		1.4583 1.3772	\$	0.175		0.5580 0.5580		0.0831		0.8170		
·																		
Commercial/Industrial - G-53 Customer Charge per Month per Meter	\$	756.10					\$	756.10	\$	756.1	)				\$	756.10		
All therms over the first block per month at		0.1697	\$	1.1324	\$	0.0831		1.3852	\$	0.081		0.5580	\$	0.0831		0.7225		
Commercial/Industrial - G-54																		
Customer Charge per Month per Meter	\$	756.10					\$	756.10	\$	756.1					\$	756.10		
All therms over the first block per month at	\$	0.0648	\$	1.1324	\$	0.0831	\$	1.2803	\$	0.035	\$	0.5580	\$	0.0831	\$	0.6763		

DATED: November 19, 2021

EFFECTIVE: November 1, 2021

ISSUED BY: /s/Neil Proudman
Neil Proudman

TITLE: President

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

	Rates Effective November 1, 2021 - April 30, 2022 Winter Period								Rates Effective May 1, 2022 - October 31, 2022 Summer Period									
	Cost of Delivery Gas Rate LDAC Total Charge Page 95 Page 101 Rate		Delivery <u>Charge</u>		Cost of Gas Rate <u>Page 92</u>		LDAC <u>Page 101</u>			Total <u>Rate</u>								
Residential Non Heating - R-5 Customer Charge per Month per Meter	\$	20.01					\$	20.01	\$		20.01					\$	20.01	
All Therms	\$	0.4997	\$	1.1339	\$	0.1397		1.7733	\$		.4997	\$	0.5587	\$	0.1397		1.1981	
Residential Heating - R-6																		
Customer Charge per Month per Meter	\$	20.01					\$	20.01	\$		20.01					\$	20.01	
Therms in the first block per month at	\$	0.7322	\$	1.1339	\$	0.1397	\$	2.0058	\$	C	.7322	\$	0.5587	\$	0.1397	\$	1.4306	
Residential Heating - R-7																		
Customer Charge per Month per Meter	\$	11.01					\$	11.01	\$		20.01					\$	20.01	
Therms in the first block per month at	\$	0.4027	\$	0.6236	\$	0.1397	\$	1.1660	\$	C	).7322	\$	0.5587	\$	0.1397	\$	1.4306	
Commercial/Industrial - G-44																		
Customer Charge per Month per Meter	\$	74.18					\$	74.18	\$		74.18					\$	74.18	
Size of the first block Therms in the first block per month at	10 \$	0.6094	\$	1.1341	œ	0.0831	œ	1.8266	\$		therms 0.6094	Ф	0.5593	œ	0.0831	æ	1.2518	
All therms over the first block per month at	Ф \$	0.6094		1.1341		0.0831		1.6266	\$		0.4094		0.5593		0.0831		1.0518	
, in allering ever the met bleek per menar at	•	0. 100 1	•		•	0.0001	*	1.0200	•			•	0.0000	•	0.000	•	1.00.0	
Commercial/Industrial - G-45	•	000 55					•	000 55	•	,						•	000 55	
Customer Charge per Month per Meter Size of the first block	\$ 100	222.55 00 therms					\$	222.55	\$		22.55 erms					\$	222.55	
Therms in the first block per month at	\$	0.5539	\$	1.1341	\$	0.0831	\$	1.7711	\$		).5539	\$	0.5593	\$	0.0831	\$	1.1963	
All therms over the first block per month at	\$	0.3691	\$	1.1341	\$	0.0831	\$	1.5863	\$	C	.3691	\$	0.5593	\$	0.0831	\$	1.0115	
Commercial/Industrial - G-46																		
Customer Charge per Month per Meter	\$	955.10					\$	955.10	\$	ç	55.10					\$	955.10	
All therms over the first block per month at	\$	0.3406	\$	1.1341	\$	0.0831		1.5578	\$		.1557	\$	0.5593	\$	0.0831		0.7981	
Commercial/Industrial - G-55																		
Customer Charge per Month per Meter	\$	74.18					\$	74.18	\$		74.18					\$	74.18	
Size of the first block		00 therms					·		•	100 1	therms					·		
Therms in the first block per month at	\$	0.3665	\$	1.1324		0.0831		1.5820	\$		.3665		0.5580		0.0831		1.0076	
All therms over the first block per month at	\$	0.2383	\$	1.1324	\$	0.0831	\$	1.4538	\$	C	).2383	\$	0.5580	\$	0.0831	\$	0.8794	
Commercial/Industrial - G-56																		
Customer Charge per Month per Meter	\$	222.55					\$	222.55	\$		22.55					\$	222.55	
Size of the first block Therms in the first block per month at	100	0.3157 0.3157	\$	1.1324	œ	0.0831	œ	1.5312	10 \$		therms 0.2287	Ф	0.5580	œ	0.0831	æ	0.8698	
All therms over the first block per month at	Ф \$	0.3137		1.1324		0.0831		1.4257	\$		).1300		0.5580		0.0831		0.0090	
, in the met block per month at	*	0.2.02	•		•	0.0001	*	20.	•			•	0.0000	•	0.000	•	····	
Commercial/Industrial - G-57	•	000.00					•	000.00	•	,						•	000.00	
Customer Charge per Month per Meter All therms over the first block per month at	\$ \$	982.93 0.2207	2	1.1324	\$	0.0831	\$	982.93 1.4362	\$ \$		)82.93 ).1059	\$	0.5580	\$	0.0831	\$	982.93 0.7470	
All thomas over the mat block ber month at	Ψ	0.2201	Ψ	1. 1024	Ψ	0.0031	Ψ	1.4302	φ		. 1009	Ψ	0.0000	Ψ	0.0031	Ψ	0.1410	
Commercial/Industrial - G-58																		
Customer Charge per Month per Meter	\$	982.93	e	1 1204	œ	0.0024	\$	982.93 1.2997	\$		82.93	¢	0 5500	œ.	0.0024	\$	982.93 0.6868	
All therms over the first block per month at	Ф	0.0842	ф	1.1324	Ф	0.0831	ф	1.2997	\$	· ·	0.0457	Ф	0.5580	ф	0.0831	ф	0.0008	

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman
Neil Proudman

# 26 ANTCIPATED SUMMER PERIOD COST OF GAS EXCLUDING KEENE CUSTOMERS OR GAS LIGHTING

(Col 2)

(Col 3)

#### **Anticipated Cost of Gas**

PERIOD COVERED: SUMMER PERIOD, MAY 1, 2022 THROUGH OCTOBER 31, 2022 (REFER TO TEXT IN SECTION 16 COST OF GAS CLAUSE)

(0011)	(001 2)	(00/0)
ANTICIPATED DIRECT COST OF GAS		
Purchased Gas:		
Demand Costs:	\$ 3,276,842	
Supply Costs:	6,971,475	
Storage Gas:		
Demand, Capacity:	\$ -	
Commodity Costs:	-	
Produced Gas:	\$ 82,504	
Hedged Contract (Savings)/Loss	<u>\$ -</u>	
Jnadjusted Anticipated Cost of Gas	1	\$ 10,330,821
Adjustments:		
Prior Period (Over)/Under Recovery (as of April 30, 2019)	\$ 4,472,186	
Interest	222,837	
Prior Period Adjustments	-	
Broker Revenues	-	
Refunds from Suppliers	_	
Fuel Financing	-	
Transportation CGA Revenues	-	
Interruptible Sales Margin	_	
Capacity Release Margin	_	
Hedging Costs	_	
Fixed Price Option Administrative Costs		
Total Adjustments		4,695,023
Total Anticipated Direct Cost of Gas		\$ 15,025,844
Anticipated Indirect Cost of Gas		
Working Capital:		
Total Unadjusted Anticipated Cost of Gas 05/01/19 - 10/31/19)	\$ 10,330,821	
Working Capital Rate - Lead Lag Days / 365	0.0023	
Prime Rate	3.25%	
Working Capital Percentage	0.007%	
Working Capital	\$ 769	
Plus: Working Capital Reconciliation (Acct 1163-1424)	4,555	
Total Working Capital Allowance		\$ 5,324
Bad Debt:		
Total Unadjusted Anticipated Cost of Gas 05/01/19 - 10/31/19)	\$10,330,821	
Less: Refunds	-	
Plus: Total Working Capital	5,324	
Plus: Prior Period (Over)/Under Recovery	4,472,186	
Subtotal	\$14,808,331	
Bad Debt Percentage	0.70%	
Bad Debt Allowance	\$ 103,658	
Plus: Bad Debt Reconciliation (Acct 1163-1754)	23,159	
	23,139	100.017
Total Bad Debt Allowance		126,817
Production and Storage Capacity		-
Miscellaneous Overhead (05/01/19 - 10/31/19)	\$ -	
Times Summer Sales	23,366	
Divided by Total Sales	115,043	
Miscellaneous Overhead		-
Total Anticipated Indirect Cost of Gas		\$ 132,141
Total Cost of Gas		\$ 15,157,985
		.,,

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman

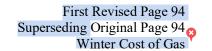
Neil Proudman

# 27 CALCULATION OF FIRM SALES SUMMER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS

CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: SUMMER PERIOD, MAY 1, 2022 THROUGH OCTOBER 31, 2022
(Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)			(Col 2)	(	Col 3)	
Total Anticipated Direct Cost of Gas Projected Prorated Sales (05/01/22 - 10/31/22) Direct Cost of Gas Rate		\$	15,025,844 27,125,444	\$	0.5539	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate		\$ 	3,276,842 7,053,979 4,695,023	\$	0.2601 0.1731	per therm per therm per therm
Total Direct Cost of Gas Rate  Total Anticipated Indirect Cost of Gas  Projected Prorated Sales (05/01/22 - 10/31/22)		\$	15,025,844 131,366 27,125,444	ф	0.5539	per therm
Indirect Cost of Gas  TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/22				\$ \$		per therm
RESIDENTIAL COST OF GAS RATE - 05/01/2022		COC	isr	\$	0.5587	/therm
		Maximum (CO	G + 25%)	\$	0.6984	
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/2022		COC	isl	\$	0.5580	/therm
Average Demand Cost of Gas Rate Effective 05/01/22 Times: Low Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Adjusted Com/Ind Low Winter Use Cost of Gas Rate	\$ 0.1208 0.9910 1.0027 \$ 0.1200 \$ 0.2601 0.1731 0.0048 \$ 0.5580	Maximum (CO	G + 25%)	\$	0.6975	
Times: Low Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate	0.9910 1.0027 \$ 0.1200 \$ 0.2601 0.1731 0.0048	Maximum (CO	ŕ	\$		<b>/therm</b>

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman
Neil Proudman



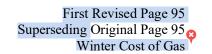
### 29 CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE EXCLUDING **KEENE CUSTOMERS**

CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022
(Refer to Text in Section 17(A) Fixed Price Option Program)

1 Total Anticipated Direct Cost of Gas 2 Projected Prorated Sales (11/01/21 - 04/30/22) 3 Direct Cost of Gas Rate 4 Demand Cost of Gas Rate 5 Commodify Cost of Gas Rate 5 Commodify Cost of Gas Rate 6 Adjustment Cost of Gas Rate 6 Adjustment Cost of Gas Rate 7 Total Direct Cost of Gas Rate 8 Total Anticipated Indirect Cost of Gas Rate 8 Total Anticipated Indirect Cost of Gas Rate 8 Total Anticipated Indirect Cost of Gas 8 Total Anticipated Indirect Cost of Gas 9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas 1 Total Period Average Cost of Gas Effective (11/01/21) 11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 15 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 18 O . 6236 19 FPO Risk Premium (Line 14 * 0.55) 10 O . 6236 11 RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/21) (Line 15 * 0.55) 21 RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/21) (Line 15 * 0.55)	(Col 1)	(Col 2)	(0	Col 3)	
4 Demand Cost of Gas Rate 5 Commodity Cost of Gas Rate 6 Adjustment Cost of Gas Rate 7 Total Direct Cost of Gas Rate 8 0,780,853 \$ 0,9238 per therm 161,141 \$ 0,0018 per therm 7 Total Direct Cost of Gas Rate 8 161,141 \$ 0,0018 per therm 8 Total Anticipated Indirect Cost of Gas 8 14,338,002 9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas 1 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 10 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) FPO (Line 15 * 0.55) 10 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) FPO (Line 15 * 0.55) 10 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 15 * 0.55) 10 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 15 * 0.55) 10 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55)					
5 Commodity Cost of Gas Rate 6 Adjustment Cost of Gas Rate 7 Total Direct Cost of Gas Rate 8 161,141 \$ 0.0018 per them 7 Total Direct Cost of Gas Rate 8 Total Anticipated Indirect Cost of Gas 9 Projected Prorated Sales (11/01/21 - 04/30/22) 9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas 11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 10 COGWR	3 Direct Cost of Gas Rate		\$	1.0843	per therm
6 Adjustment Cost of Gas Rate 7 Total Direct Cost of Gas Rate 8 Total Anticipated Indirect Cost of Gas 8 Total Anticipated Indirect Cost of Gas 9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas 11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 12 Calculation of FPO Excluding Low Income - Rate Code R.3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R.3) 11/01/21 17 Calculation of FPO for Gas Assistance Program - Rate Code R.4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 30 L6236 40 L6236 50 L6236	4 Demand Cost of Gas Rate	\$13,868,897	\$	0.1586	per therm
7 Total Direct Cost of Gas Rate \$94,810,891 \$ 1.0843 per them  8 Total Anticipated Indirect Cost of Gas \$1,001/21 - 04/30/22	5 Commodity Cost of Gas Rate	80,780,853	\$	0.9238	per therm
8 Total Anticipated Indirect Cost of Gas 9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas 11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	6 Adjustment Cost of Gas Rate	161,141	\$	0.0018	per therm
9 Projected Prorated Sales (11/01/21 - 04/30/22) 10 Indirect Cost of Gas  87,443,741  11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21)  12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	7 Total Direct Cost of Gas Rate	\$94,810,891	\$	1.0843	per therm
11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21)  12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	8 Total Anticipated Indirect Cost of Gas	\$ 4,338,002			
11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) \$ 1.1339  12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) \$ 1.1339  14 FPO Risk Premium \$ 0.0200 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) \$ 1.1539  16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 COGwr \$ 1.1539 /therm  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) \$ 0.6236 19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	9 Projected Prorated Sales (11/01/21 - 04/30/22)	87,443,741			
12 Calculation of FPO Excluding Low Income - Rate Code R-3 13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) 14 FPO Risk Premium 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) 16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	10 Indirect Cost of Gas		\$	0.0496	per therm
13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) \$ 1.1339 14 FPO Risk Premium \$ 0.0200 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) \$ 1.1539  16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 COGwr \$ 1.1539 /therm  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) \$ 0.6236 19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	11 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21)		\$	1.1339	
13 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) \$ 1.1339 14 FPO Risk Premium \$ 0.0200 15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) \$ 1.1539  16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21 COGwr \$ 1.1539 /therm  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) \$ 0.6236 19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	12 Calculation of EPO Excluding Low Income - Pate Code R-3				
14 FPO Risk Premium       \$ 0.0200         15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21)       \$ 1.1539         16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21       COGwr       \$ 1.1539 /therm         17 Calculation of FPO for Gas Assistance Program - Rate Code R-4       \$ 0.6236         18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55)       \$ 0.6236         19 FPO Risk Premium (Line 14 * 0.55)       \$ 0.0110         20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55)       \$ 0.6346			\$	1.1339	
15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21)  16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21  17 Calculation of FPO for Gas Assistance Program - Rate Code R-4 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	· ·				
17 <u>Calculation of FPO for Gas Assistance Program - Rate Code R-4</u> 18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) 19 FPO Risk Premium (Line 14 * 0.55) 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) 3 0.6346	15 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21)		\$		
18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) \$ 0.6236  19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110  20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	16 RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/21	COGwr	\$	1.1539	/therm
18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55) \$ 0.6236  19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110  20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346					
19 FPO Risk Premium (Line 14 * 0.55) \$ 0.0110 20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	17 Calculation of FPO for Gas Assistance Program - Rate Code R-4				
20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55) \$ 0.6346	18 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/21) FPO (Line 13 * 0.55)		\$	0.6236	
	19 FPO Risk Premium (Line 14 * 0.55)		\$	0.0110	
21 RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/21 COGwr \$ 0.6346 /therm	20 TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/21) (Line 15 * 0.55)		\$	0.6346	
The state of the s	21 RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/21	COGwr	\$	0.6346	/therm

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman Neil Proudman

Authorized by NHPUC Order No. 26,541 dated October 29, 2021, in Docket No. DG 21-130



## 30 CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE - EXCLUDING KEENE CUSTOMERS

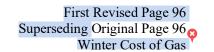
# CALCULATION OF FIRM SALES COST OF GAS RATE PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022 (Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)			(Col 2)	(	(Col 3)	
Total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/2021 - 04/30/22) Direct Cost of Gas Rate		\$	94,810,891 87,443,741	\$	1.0843	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate		\$	13,868,897 80,780,853 161,141 94,810,891	\$	0.9238 0.0018	per therm 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		\$	4,338,002 87,443,741	\$	0.0496	per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/21				\$	1.1339	per therm
RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - 11/01/2	1	COG	vr	\$	1.1339	/therm
		Maximum (COG	+ 25%)	\$	1.4174	
GAS ASSISTANCE PLAN RESIDENTIAL COST OF GAS RATE R-4 - 11/01/2	21	COG	vr	\$	0.6236	/therm
		Maximum (COG	+ 25%)	\$	0.7796	
C&I LOW WINTER USE COST OF GAS RATE - 11/01/21		COG	wl	\$	1.1324	/therm
Average Demand Cost of Gas Rate Effective 11/01/21 Times: Low Winter Use Ratio (Winter) Times: Correction Factor Adjusted Demand Cost of Gas Rate  Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.1586 0.9910 1.0001 \$ 0.1572 \$ 0.9238 \$ 0.0018 \$ 0.0496 \$ 1.1324	Maximum (COG	+ 25%)	\$	1.4155	
C&I HIGH WINTER USE COST OF GAS RATE - 11/01/21		COG	wh	\$	1.1341	/therm

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 19, 2021 ISSUED BY: /s/Neil Proudman

Neil Proudman



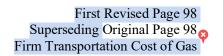
### 31. ANTICIPATED COST OF GAS - EXCLUDING KEENE CUSTOMERS

## Anticipated Cost of Gas PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022 (REFER TO TEXT ON IN SECTION 17 COST OF GAS CLAUSE)

(Col 1)	(Col 2)	(Col 3)	
ANTICIPATED DIRECT COST OF GAS			
Purchased Gas: Demand Costs:	\$ 12,887,000		
Supply Costs:	72,351,034		
	,,		
Storage Gas:			
Demand, Capacity:	\$ 981,898		
Commodity Costs:	6,130,435		
Produced Gas:	2,299,384		\$ 9,411,717
Hardward Contract (Contract)			
Hedged Contract (Saving)/Loss Hedge Underground Storage Contract (Saving)/Loss	-		
Though officering contage contract (Saving), 2000	-		
Unadjusted Anticipated Cost of Gas		\$ 94,649,751	28,544,323
onadjusted Anticipated oost of Oas		Ψ 34,043,731	20,044,020
Adjustments:			
Prior Period (Over)/Under Recovery (as of 05/01/20)	\$ 1,431,639		
Interest	44,085		
Fuel Inventory Revenue Requirement	335,667		
Broker Revenues	(3,600)		
Refunds from Suppliers Fuel Financing	-		
Transportation CGA Revenues	(6,938)		
Interruptible Sales Margin	-		
Capacity Release and Off System Sales Margins	(1,676,512)		
Hedging Costs	-		
Fixed Price Option Administrative Costs	36,800	-	
Total Adjustments		<u>161,141</u>	
Total Anticipated Direct Cost of Gas		\$ 94,810,891	
7 minospatou 2.1001 0001 01 040		Ψ 01,010,001	
Anticipated Indirect Cost of Gas			
Working Capital:			
Total Unadjusted Anticipated Cost of Gas 11/01/20 - 04/30/21	\$ 94,649,751		
Working Capital Rate: Lead Lag Days / 365	0.0705		
Prime Rate	3.25%		
Working Capital Percentage	0.229%		
Working Capital	\$ 216,761		
Plus: Working Capital Reconciliation (Acct 142.20)	(14,859)		
Total Working Capital Allowance	(11,000)	201,902	
Total Working Suprial Michaelos		201,002	
Bad Debt:			
Total Unadjusted Anticipated Cost of Gas 11/01/20 - 04/30/21	\$ 94,649,751		
Less: Refunds	-		
Plus: Total Working Capital	201,902		
Plus: Prior Period (Over)/Under Recovery	1,431,639		
Subtotal	\$ 96,283,291		
Bad Debt Percentage	0.70%		
Bad Debt Allowance	\$ 673,983	•	
Plus: Bad Debt Reconciliation (Acct 175.52)	(223,340)		
Total Bad Debt Allowance		\$ 450,643	
Production and Storage Capacity		\$ 3,685,458	
		Ψ 0,000,400	
Miscellaneous Overhead 11/01/20 - 04/30/21	\$ -		
Times Winter Sales	91,677		
Divided by Total Sales	115,043		
Miscellaneous Overhead			
Total Anticipated Indirect Cost of Gas		\$ 4,338,002	
Total Cost of Gas		¢ 00.149.904	
Total Gost of Gas		\$ 99,148,894	-

DATED: November 19, 2021 ISSUED BY: /s/Neil Proudman

Neil Proudman EFFECTIVE: November 1, 2021 TITLE: President



### 33. CALCULATION OF FIRM TRANSPORTATION COST OF GAS RATE

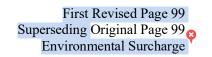
Calculation of Firm Transportation Cost of Gas Rate
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022
(Refer to text in Section 16(Q) Firm Transportation Cost of Gas Clause)

(Col 1)	(Col 2)		(Col 3)		(Col 4)
ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES:					
PROPANE	\$ 920,459				
LNG	1,378,925				
TOTAL ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES ESTIMATED PERCENTAGE USED FOR PRESSURE SUPPORT PURPOSES ESTIMATED COST OF LIQUIDS USED FOR PRESSURE SUPPORT PURPOSES	2,299,384 8.7% \$ 200,046				
PROJECTED FIRM THROUGHPUT (THERMS): FIRM SALES FIRM TRANSPORTATION SUBJECT TO FTCG TOTAL FIRM THROUGHPUT SUBJECT TO COST OF GAS CHARGE	91,676,680 42,583,790 134,260,470		68.3% 31.7% 100.0%		
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	31.7%	X	\$200,046 =	\$	63,449
PRIOR (OVER) OR UNDER COLLECTION				_	(56,511)
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOMERS				\$	6,938
PROJECTED FIRM TRANSPORTATION THROUGHPUT				42	2,583,790
FIRM TRANSPORTATION COST OF GAS				\$	0.0002

DATED: November 19, 2021

ISSUED BY: /s/Neil Proudman
Neil Proudman
EFFECTIVE: November 1, 2021

TITLE: President



#### 34. ENVIRONMENTAL SURCHARGE - MANUFACTURED GAS PLANTS

#### **Environmental Surcharge - Manufactured Gas Plants**

#### **Manufactured Gas Plants**

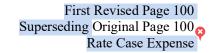
Required Annual Environmental Increase \$2,351,805 Second one-third of prior period under recoveries (through June 2019) \$341,389 July 2020 - June 2021 recovery difference between actual and estimate \$139,028 **Environmental Subtotal** \$2,832,222 Overall Annual Net Increase to Rates \$2,832,222 Estimated weather normalized firm therms billed for the twelve months ended 10/31/2022 - sales and transportation 182,829,872 therms Surcharge per therm \$0.0155 per therm \$0.0155 Total Environmental Surcharge

DATED: November 19, 2021

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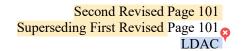


### 35 RATE CASE EXPENSE AND RECOUPMENT FACTOR CALCULATION

1	Rate Case Exepense	
2	Prior Period Balance	(\$11,949)
3	Expenses thru June 30, 2021	\$785,177
4	Balance at June 30, 2021	\$773,228
5	Less: Accrual Balance	<u>(\$26,000)</u>
6	Removal of RCE per Order 26,2541 in DG 21-130	<u>(\$747,228)</u>
6	Adjusted Rate Case Expense	(\$0)
7		
8	Recoupment	
9	Distribution Recoupment from Docket No. DG 20-105	(\$568,780)
10	Indirect Costs Recoupment from Docket No. DG 20-105	<u>\$1,900,000</u>
11	Total Recoupment	\$1,331,220
12		
13	Beginning Balance	\$1,331,220
14		
15	Estimated Remaining Expenses	\$0
	Estimated Nemaning Expenses	ΦU
16	Latinated Normanning Expenses	φυ
	Plus Estimated Interest from July 2021 through October 2021	\$10,899
16		·
16 17		·
16 17 18	Plus Estimated Interest from July 2021 through October 2021	\$10,899
16 17 18 19	Plus Estimated Interest from July 2021 through October 2021	\$10,899
16 17 18 19 20	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021	\$10,899 (\$7,864)
16 17 18 19 20 21	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021	\$10,899 (\$7,864)
16 17 18 19 20 21	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021  Total Estimated Remaining Recovery As of November 1, 2021	\$10,899 (\$7,864) \$1,334,255
16 17 18 19 20 21 22 23	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021  Total Estimated Remaining Recovery As of November 1, 2021	\$10,899 (\$7,864) \$1,334,255
16 17 18 19 20 21 22 23 24 25 26	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021  Total Estimated Remaining Recovery As of November 1, 2021  Estimated November 2021 - October 2022 Interest	\$10,899 (\$7,864) \$1,334,255 \$16,852
16 17 18 19 20 21 22 23 24 25 26 27	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021  Total Estimated Remaining Recovery As of November 1, 2021  Estimated November 2021 - October 2022 Interest	\$10,899 (\$7,864) \$1,334,255 \$16,852
16 17 18 19 20 21 22 23 24 25 26	Plus Estimated Interest from July 2021 through October 2021  Minus Estimated Recoveries from July 2021 through October 2021  Total Estimated Remaining Recovery As of November 1, 2021  Estimated November 2021 - October 2022 Interest  Total Remaining Recovery	\$10,899 (\$7,864) \$1,334,255 \$16,852 \$1,351,107

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Neil Proudman

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### 36 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE CALCULATION

#### **Local Delivery Adjustment Charge Calculation**

Residential Non Heating Rates - R-1, R-5		Sales <u>Customers</u>	Transportation <u>Customers</u>
Energy Efficiency Charge Demand Side Management Charge	\$ 0.0861 0.0000		
Conservation Charge (CCx)		\$ 0.0861	
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants Environmental Surcharge (ES)	0.0155	0.0155	
Revenue Decoupling Adjustment Factor (RDAF)		0.0152	
Property Tax Adjustment Mechanism (PTAM)		0.0120	
Rate Case Expense Factor (RCEF) Gas Assistance Program (GAP)		0.0074 0.0156	
LDAC	-	\$ 0.1517	per therm
Residential Heating Rates - R-3, R-4, R-6, R-7			
Energy Efficiency Charge	\$ 0.0861		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH	0.0000	\$ 0.0861	
Manufactured Gas Plants	0.0155		
Environmental Surcharge (ES)		0.0155	
Revenue Decoupling Adjustment Factor (RDAF)		0.0152	
Property Tax Adjustment Mechanism (PTAM) Rate Case Expense Factor (RCEF)		0.0120 0.0074	
Gas Assistance Program (GAP)		0.0156	
LDAC	-	\$ 0.1517	per therm
Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55			
Energy Efficiency Charge	\$0.0408		
Demand Side Management Charge Conservation Charge (CCx)	0.0000	\$ 0.0408	\$ 0.0408
Relief Holder and pond at Gas Street, Concord, NH	0.0000	0.0.00	0.0100
Manufactured Gas Plants	0.0155		
Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF)		0.0155 0.0039	0.0155 0.0039
Property Tax Adjustment Mechanism (PTAM)		0.0120	0.0120
Rate Case Expense Factor (RCEF)		0.0074	0.0074
Gas Assistance Program (GAP)	-	0.0156	0.0156
LDAC		\$ 0.0951	\$ 0.0951 per therm
Output and all the destablished from Assembly Dates Of O. 60 O. 60 O. 60 O.			
Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56  Energy Efficiency Charge	\$0.0408		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0408	\$0.0408
Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants	0.0000 0.0155		
Environmental Surcharge (ES)	0.0100	0.0155	0.0155
Revenue Decoupling Adjustment Factor (RDAF)		0.0039	0.0039
Property Tax Adjustment Mechanism (PTAM)		0.0120	0.0120
Rate Case Expense Factor (RCEF) Gas Assistance Program (GAP)		0.0074 0.0156	0.0074 0.0156
LDAC	-	\$ 0.0951	
Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57,G-58			
Energy Efficiency Charge	\$ 0.0408		
Demand Side Management Charge Conservation Charge (CCx)	0.0000	\$0.0408	\$0.0408
Relief Holder and pond at Gas Street, Concord, NH	0.0000	\$0.0406	φυ.υ4υο
Manufactured Gas Plants	0.0155		
Environmental Surcharge (ES)		0.0155	0.0155
Revenue Decoupling Adjustment Factor (RDAF)  Property Tax Adjustment Mechanism (PTAM)		0.0039 0.0120	0.0039 0.0120
Rate Case Expense Factor (RCEF)		0.0074	0.0074
Gas Assistance Program (GAP)	_	0.0156	0.0156
LDAC		\$ 0.0951	\$ 0.0951 per therm

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#### 2 ATTACHMENT B

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

#### Schedule of Administrative Fees and Charges

. Supplier Balancing Charge: \$ 0.1800 per MMBtu of Daily Imbalance Volumes")

II. Capacity Mitigation Fee 15% of the Proceeds from the Marketing of

III. Peaking Demand Charge \$ 54.72 MMBTU of Peak MDQ

IV. Company Allowance Calculation (per Schedule 25)

165,859,380 Total Sendout - Therms Jul -2020 - Jun-2021 163,831,092 Total Throughput - Therms Jul-2020 - Jun-2021

2,028,288 Variance (Sendout - Throughput)

Company Allowance Percentage 2020-21 1.2% Variance / Total Sendout

DATED: November 19, 2021

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Neil Proudman

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TITLE: President

## 3 ATTACHMENT C Capacity Allocators

#### **CAPACITY ALLOCATORS**

Rate Class		Pipeline	Storage	Peaking	Total
G-41	Low Annual /High Winter Use	69.1%	<mark>16.8%</mark>	14.1%	100.0%
G-51	Low Annual /Low Winter Use	<mark>76.2%</mark>	12.9%	10.9%	100.0%
G-42	Medium Annual / High Winter	<del>69.1%</del>	<mark>16.8%</mark>	14.1%	100.0%
G-52	High Annual / Low Winter Use	<mark>76.2%</mark>	12.9%	<mark>10.9%</mark>	100.0%
G-43	High Annual / High Winter	69.1%	16.8%	14.1%	100.0%
G-53	High Annual / Load Factor < 90%	<mark>76.2%</mark>	12.9%	<mark>10.9%</mark>	100.0%
G-54	High Annual / Load Factor < 90%	76.2%	12.9%	10.9%	100.0%

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