<u>Page</u>	Revision
Title	Original
TOC i	First Revised
TOC ii	Original
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3	Twenty-ninth Revised
4	Twenty-seventh Revised
5	First Revised
6	Original
7	Original
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9	First Revised
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12	Original
13	Original
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71	Second Revised
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77	Second Revised
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79	Second Revised
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81	Second Revised
82	Original
83	Second Revised
84	Original
85	Second Revised
86	Original
87	Fifteenth Revised
88	Seventeenth Revised
89	Fifteenth Revised

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100	Second Revised
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22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

<u>II RATE SCHEDULES</u> FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS

	Rates Effecti		er 1, 2022 - Period	il 30, 2023	Rates Effective May 1, 2023 - October 31, 20 Summer Period									
	Delivery <u>Charge</u>	Cost of Gas Rate Page 95	LDAC Page 101		Total <u>Rate</u>	Delivery <u>Charge</u>	Cost of Gas Rate Page 92	LDAC Page 101	Tot <u>Ra</u>					
Residential Non Heating - R-1 Customer Charge per Month per Meter All therms	\$ 15.39 \$ 0.5129		\$ 0.1086	\$	15.39 2.0515	\$ 15.39 \$ 0.5129		9 \$ 0.1086		5.39 6484				
Residential Heating - R-3 Customer Charge per Month per Meter Therms in the first block per month at	\$ 15.39 \$ 0.6519		\$ 0.1086	\$	15.39 2.1905	\$ 15.39 \$ 0.6519		9 \$ 0.1086		5.39 7874				
Residential Heating - R-4 Customer Charge per Month per Meter Therms in the first block per month at	\$ 8.47 \$ 0.3585	\$0.7865	\$ 0.1086	\$	8.47 1.2536	\$ 15.39 \$ 0.6519		9 \$ 0.1086		5.39 7874				
Commercial/Industrial - G-41 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 63.30 100 Therms \$ 0.5088		\$ 0.0872	\$	63.30 2.0261	\$ 63.30 20 therm \$ 0.5088	is	1 \$ 0.0872	·	3.30 6231				
All therms over the first block per month at Commercial/Industrial - G-42 Customer Charge per Month per Meter	\$ 0.3550 \$ 189.84	\$1.4301	\$ 0.0872	\$	1.8723 189.84	\$ 0.3550 \$ 189.8	•	1 \$ 0.0872	·	9.84				
Size of the first block Therms in the first block per month at All therms over the first block per month at	1000 Therms \$ 0.4634 \$ 0.3212	\$1.4301 \$1.4301	\$ 0.0872 \$ 0.0872		1.9807 1.8385	400 therm \$ 0.4634 \$ 0.3212	1.027		\$ 1.5 \$ 1.4	5777 1355				
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$ 811.98 \$ 0.2863	\$1.4301	\$ 0.0872	\$	811.98 1.8036	\$ 811.98 \$ 0.144		1 \$ 0.0872		1.98 2584				
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 63.38 100 therms \$ 0.3070		\$ 0.0872	\$	63.38 1.8238	\$ 63.38 100 therms \$ 0.3070	S	6 \$ 0.0872	·	3.38 4208				
All therms over the first block per month at Commercial/Industrial - G-52 Customer Charge per Month per Meter	\$ 0.2084 \$ 189.57		\$ 0.0872	\$	1.7252	\$ 0.2084 \$ 189.5	1 \$ 1.026		\$ 1.3	9.57				
Size of the first block Therms in the first block per month at All therms over the first block per month at	1000 therms \$ 0.2647 \$ 0.1836		\$ 0.0872 \$ 0.0872	\$	1.7815 1.7004	1000 therm \$ 0.1978 \$ 0.1219	ns 3 \$ 1.026		\$ 1.3 \$ 1.2	3116				
<u>Commercial/Industrial - G-53</u> Customer Charge per Month per Meter All therms over the first block per month at	\$ 838.52 \$ 0.1851	\$1.4296	\$ 0.0872	\$	838.52 1.7019	\$ 838.52 \$ 0.0968		6 \$ 0.0872		8.52 2106				
Commercial/Industrial - G-54 Customer Charge per Month per Meter All therms over the first block per month at	\$ 839.19 \$ 0.0705	\$1.4296	\$ 0.0872	\$ \$	839.19 1.5873	\$ 839.19 \$ 0.0409		6 \$ 0.0872		9.19 1547				
Dated: November 15, 2022 Effective: November 1, 2022						Issued by: Title:	by: <u>/s/ Neil Proudman</u> Neil Proudman President							

24 FIRM RATE SCHEDULES - MANAGED EXPANSION PROGRAM EXCLUDING KEENE CUSTOMERS

<u>II RATE SCHEDULES</u>
FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS

	Rates Effective November 1, 2022 - April 30, 2023 Winter Period						CLUDING KEENE CUSTOMERS Rates Effective May 1, 2023 - October 31, 2023 Summer Period									
			Cost Delivery Gas F <u>Charge</u> <u>Page</u>		Rate LDAC		Total <u>Rate</u>			elivery Charge	Cost of Gas Rate <u>Page 92</u>		LDAC Page 101			Total <u>Rate</u>
Residential Non Heating - R-5 Customer Charge per Month per Meter All Therms	\$	20.01 0.6668	\$	1.4300	\$	0.1086	\$	20.01 2.2054	\$ \$	20.01 0.6668	\$	1.0269	\$	0.1086	\$	20.01 1.8023
Residential Heating - R-6 Customer Charge per Month per Meter Therms in the first block per month at	\$	20.01 0.8475	\$	1.4300	\$	0.1086	\$	20.01 2.3861	\$ \$	20.01 0.8475	\$	1.0269	\$	0.1086	\$	20.01 1.9830
Residential Heating - R-7 Customer Charge per Month per Meter Therms in the first block per month at	\$	11.01 0.4661	\$	0.7865	\$	0.1086	\$	11.01 1.3612	\$ \$	20.01 0.8475	\$	1.0269	\$	0.1086	\$	20.01 1.9830
Commercial/Industrial - G-44 Customer Charge per Month per Meter Size of the first block	\$	82.29 100 therms					\$	82.29		82.29 0 therms					\$	82.29
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.6614 0.4614	\$ \$	1.4301 1.4301	\$		\$ \$	2.1787 1.9787	\$ \$	0.6614 0.4614	\$ \$	1.0271 1.0271	\$ \$	0.0872 0.0872	\$ \$	1.7757 1.5757
Commercial/Industrial - G-45 Customer Charge per Month per Meter Size of the first block	\$ 10	246.78 00 therms					\$	246.78	\$ 400	246.78 0 therms					\$	246.78
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.6023 0.4175		1.4301 1.4301	\$	0.0872 0.0872	\$ \$	2.1196 1.9348	\$ \$	0.6023 0.4175		1.0271 1.0271	\$ \$	0.0872 0.0872	\$ \$	1.7166 1.5318
Commercial/Industrial - G-46 Customer Charge per Month per Meter All therms over the first block per month at	\$	1,055.58 0.3722	\$	1.4301	\$	0.0872	\$	1,055.58 1.8895	\$	1,055.58 0.1873	\$	1.0271	\$	0.0872	\$	1,055.58 1.3016
Commercial/Industrial - G-55 Customer Charge per Month per Meter Size of the first block	\$	82.39 100 therms					\$	82.39	\$ 10	82.39 0 therms					\$	82.39
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.3992 0.2710	\$ \$	1.4296 1.4296	\$ \$		\$ \$	1.9160 1.7878	\$ \$	0.3992 0.2710	\$ \$	1.0266 1.0266	\$ \$	0.0872 0.0872	\$ \$	1.5130 1.3848
Commercial/Industrial - G-56 Customer Charge per Month per Meter Size of the first block	\$	246.43 1000 therms					\$	246.43	\$ 100	246.43 0 therms					\$	246.43
Therms in the first block per month at All therms over the first block per month at	\$ \$	0.3442 0.2387		1.4296 1.4296	\$ \$	0.0872 0.0872	\$ \$	1.8610 1.7555	\$	0.2572		1.0266 1.0266	\$ \$	0.0872 0.0872	\$ \$	1.3710 1.2723
<u>Commercial/Industrial - G-57</u> Customer Charge per Month per Meter All therms over the first block per month at	\$	1,090.08 0.2407	\$	1.4296	\$	0.0872	\$	1,090.08 1.7575	\$ \$	1,090.08 0.1259	\$	1.0266	\$	0.0872	\$	1,090.08 1.2397
Commercial/Industrial - G-58 Customer Charge per Month per Meter All therms over the first block per month at	\$	1,090.95 0.0916	\$	1.4296	\$	0.0872	\$	1,090.95 1.6084	\$	1,090.95 0.0531	\$	1.0266	\$	0.0872	\$	1,090.95 1.1669
Dated: November 15, 2022									Issu	ied by:		leil Proudn Proudmar			•	
Effective November 1, 2022									Title	e:		sident	•			

26 ANTICIPATED SUMMER PERIOD COST OF GAS - EXCLUDING KEENE CUSTOMERS OR GAS LIGHTING

Anticipated Cost of Gas PERIOD COVERED: SUMMER PERIOD, MAY 1, 2023 THROUGH OCTOBER 31, 2023 (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:	\$ \$	3,233,514 9,171,762			
Storage Gas:	•				
Demand, Capacity: Commodity Costs:	\$ \$	-			
Produced Gas:	\$	152,643			
Hedged Contract (Savings)/Loss	\$	-			
Unadjusted Anticipated Cost of Gas			\$	12,557,918	
Adjustments: Prior Period (Over)/Under Recovery (as of 9/1/2022 estimated COG) Interest 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	*****	10,637,079 457,126 - - - - - - - -			
Total Adjustments			\$	11,094,205	
Total Anticipated Direct Cost of Gas			\$	23,652,124	
Anticipated Indirect Cost of Gas Working Capital: Total Unadjusted Anticipated Cost of Gas 05/01/23 - 10/31/23) Working Capital Rate - Lead Lag Days / 365 Prime Rate Working Capital Percentage Working Capital Plus: Working Capital Reconciliation (Acct 1163-1424) Total Working Capital Allowance	\$ \$ \$	12,557,918 0.0705 5.50% 0.388% 48,670 47,458		96,127	
Bad Debt: Total Unadjusted Anticipated Cost of Gas 05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 1163-1754) Total Bad Debt Allowance	\$ \$ \$ \$ \$ \$ \$	12,557,918 - 96,127 10,637,079 23,291,125 0.86% 200,572 337,560		538,132	
Production and Storage Capacity			\$	-	
Miscellaneous Overhead (05/01/23 - 10/31/23) Times Summer Sales Divided by Total Sales Miscellaneous Overhead Total Anticipated Indirect Cost of Gas Total Cost of Gas	\$ \$ \$	- 23,649 116,430	\$ \$	- 634,259 24,286,383	
Issued: November 15, 2022			Issue	d by:	/s/ Neil Proudman
Effective: November 1, 2022			Title:	u by.	Neil Proudman President

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, 2023 THROUGH OCTOBER 31, 2023 (Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)				(Col 2)	(Co	l 3)
Total Anticipated Direct Cost of Ga Projected Prorated Sales (05/01/2 Direct Cost of Gas Rate				\$ 23,652,124 \$ 23,648,905	\$ 1.0001	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate				\$ 3,233,514 \$ 9,324,405 \$ 11,094,205 \$ 23,652,124	\$ 0.3943 0.4691	per therm per therm per therm per therm
Total Anticipated Indirect Cost of 0 Projected Prorated Sales (05/01/2 Indirect Cost of Gas	23 - 10/31/23)			\$ 634,259 23,648,905	\$	per therm
TOTAL PERIOD AVERAGE COS	T OF GAS EFFECTIVE 05/01/23				\$	per therm
RESIDENTIAL COST OF GAS RA	ATE - 05/01/2023			COGsr	\$ 1.0269	/therm
				(COG + 25%)	\$ 1.2836	per therm
COM/IND HIGH WINTER USE CO	OST OF GAS RATE - 05/01/2023			COGsh	\$ 1.0271	/therm
	Average Demand Cost of Gas Rate Effective 05/01/23 'Times: High Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate	\$ \$ \$	0.1367 1.0005 1.0009 0.1369	(COG + 25%)	\$ 1.2839	per therm
	Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Adjusted Com/Ind High Winter Use Cost of Gas Rate	\$ \$ \$	0.3943 0.4691 0.0268 1.0271			
COM/IND LOW WINTER USE CO	OST OF GAS RATE - 05/01/2023			COGsI	\$ 1.0266	/therm
	Average Demand Cost of Gas Rate Effective 05/01/23 'Times: Low Winter Use Ratio (Summer) Times: Correction Factor Adjusted Demand Cost of Gas Rate	\$ \$ \$	0.1367 0.9971 1.0009 0.1364	(COG + 25%)	\$ 1.2833	per therm
	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	\$ \$ \$	0.3943 0.4691 0.0268 1.0266			
Issued: November 15, 2022 Effective: November 1, 2022				/s/ Neil Proudman Neil Proudman President		-

29 CALCULATION OF FIXED WINTERPERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS

CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (Refer to Text in Section 17(A) Fixed Price Option Program)

(Col 1)	(Col 2)	((Col 3)
Total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23) Direct Cost of Gas Rate	\$ 127,589,939 92,780,984	\$	1.3752 per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Hedge Underground Storage Contract (Savings)/Loss Total Direct Cost of Gas Rate	\$ 12,510,219 117,533,374 3,568,556 \$ (6,022,210) \$ 127,589,939	\$ \$ \$	0.1348 per therm 1.2668 per therm 0.0385 per therm (0.0649) per therm 1.3752 per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23) Indirect Cost of Gas	\$ 5,082,758 92,780,984	\$	0.0548 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22)		\$	1.4300
Calculation of FPO Excluding Low Income - Rate Code R-3 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22) FPO Risk Premium TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/22)		\$ \$ \$	1.4300 0.0200 1.4500
RESIDENTIAL FPO COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/22	COGwr	\$	1.4500 /therm
Calculation of FPO for Gas Assistance Program - Rate Code R-4 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22) FPO (Line 13 * 0.55) FPO Risk Premium (Line 14 * 0.55) TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/22) (Line 15 * 0.55)		\$ \$	0.7865 0.0110 0.7975
RESIDENTIAL FPO COST OF GAS RATE - LOW INCOME - (R-4) 11/01/22	COGwr	\$	0.7975 /therm

Dated: November 15, 2022 Issued by: /s/ Neil Proudman

Reflective: November 1, 2022 Title: President

Effective: November 1, 2022

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, 2022 THROUGH APRIL 30, 2023 (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 (11/01/2022 - 04/30/2023) Direct Cost of Gas Rate			589,939 780,984	\$ 1.3752	per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Hedge Contract (Savings)		117, 3, \$ (6,	510,219 \$ 533,374 \$ 568,556 \$ 022,210) \$	1.2668 0.0385 (0.0649) per therm
Total Direct Cost of Gas Rate Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/2022 - 04/30/2023) Indirect Cost of Gas		\$ 5,	082,758 780,984		per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/22			\$	1.4300	per therm
RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - 11/01/22		COGwr	,	1.4300	/therm
		Maximum (COG + 25	%)	1.7875	
GAS ASSISTANCE PLAN RESIDENTIAL COST OF GAS RATE R-4 - 11/01/22		COGwr	,	0.7865	/therm
		Maximum (COG + 25	%)	\$ 0.9831	
C&I HIGH WINTER USE COST OF GAS RATE - 11/01/22		COGwh	,	1.4301	/therm
Average Demand Cost of Gas Rate Effective 11/01/22 Times: High Winter Use Ratio (Winter) Times: Correction Factor Adjusted Demand Cost of Gas Rate	\$ 0.1348 1.0005 1.0001 \$ 0.1349	Maximum (COG + 25	%) \$	1.7876	
Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Hedge Contract (Savings) Adjusted C&I High Winter Use Cost of Gas Rate	\$ 1.2668 \$ 0.0385 \$ 0.0548 \$ (0.0649) \$ 1.4301				
C&I LOW WINTER USE COST OF GAS RATE - 11/01/22		COGwl		1.4296	/therm
Average Demand Cost of Gas Rate Effective 11/01/22 Times: Low Winter Use Ratio (Winter) Times: Correction Factor Adjusted Demand Cost of Gas Rate	\$ 0.1348 0.9971 1.0001 \$ 0.1344	Maximum (COG + 25	•	\$ 1.7870	
Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Hedge Contract (Savings) Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 1.2668 \$ 0.0385 \$ 0.0548 \$ (0.0649) \$ 1.4296				
			ls	ssued by:	/s/ Neil Proudman
Dated: November 15, 2022			т	itle:	Neil Proudman President

31 ANTICIPATED COST OF GAS - EXCLUDING KEENE CUSTOMERS

Anticipated Cost of Gas PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (REFER TO TEXT ON IN SECTION 17 COST OF GAS CLAUSE)

Part	(Col 1)		(Col 2)		(Col 3)
Demand Costs:	ANTICIPATED DIRECT COST OF GAS				
Supply Costs: 93,418,619	Purchased Gas:				
Demand, Capacity:	Demand Costs:	\$	11,510,320		
Demand, Capacity: S 999,899 Strommore	Supply Costs:		93,418,619		
Demand, Capacity: S 999,899 Strommore	Storage Gas:				
Produced Gas:		\$	999.899		
Hedged Contract (Saving)/Loss		•			
Hedged Contract (Saving)/Loss	Post and One		40.045.000		
Hedge Underground Storage Contract (Saving)/Loss \$ 124,021,383	Produced Gas:		12,645,303		
Nadjusted Anticipated Cost of Gas	Hedged Contract (Saving)/Loss		(6,022,210)		
Adjustments:	Hedge Underground Storage Contract (Saving)/Loss				
Adjustments:	Unadjusted Anticinated Cost of Gas			\$	124 021 383
Prior Period (Over) Under Recovery (as of 05/01/22) \$ 5,378,197 Interest (283,633) Fuel Inventory Revenue Requirement (3,600) Fuel Inventory Revenue Requirement (3,600) Fuel Fuel Financing (3,600) Fuel Financing (422,021) Interruptible Sales Margin (1,676,512) Fuel Financing (422,021) Interruptible Sales Margin (1,676,512) Fuel Financing (1,676,512) Fuel Frier Option Administrative Costs (1,676,512) Fuel Frier Option Administrative Cost of Gas (1,676	onaujusteu Anticipateu oost of oas			Ψ	124,021,303
Interest (283,633 Flue Inventory Revenue Requirement 515,609 Floker Revenues (3,600) Rober Revenues (3,600) Rober Revenues (3,600) Rober Revenues (3,600) Rober Revenues (422,021) Rober Re	•				
Eval Inventory Revenue Requirement		\$			
Broker Revenues (3,600) Refunds from Suppliers (422,021) Fuel Financing (422,021) Interruptible Sales Margin (1,676,512) Ledging Costs 59,917 Fixed Price Option Administrative Costs 59,917 Total Anticipated Direct Cost of Gas \$ 127,589,939 Anticipated Indirect Cost of Gas Working Capital: Total Indigusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Working Capital Rest: Lead Lag Days / 365 0,0705 Prime Rate 5,50% Working Capital Percentage 3,388% Working Capital Reconciliation (Acct 142,20) (30,998) Plus: Working Capital Reconciliation (Acct 142,20) (30,998) Plus: Working Capital Allowance 124,021,383 Bad Debt: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds 9,49,661 Plus: Total Working Capital 449,661 Plus: Total Working Capital 449,661 Plus: Total Percentage 0,80% Bad Debt Reconcilliation (Acct 175.52) </td <td></td> <td></td> <td></td> <td></td> <td></td>					
Refunds from Suppliers Fuel Financing Capual Fuel Financing Capacity Release and Off System Sales Margins Clapacity Release System Sales Margins Clapacity Release System Sales System Sal					
Fuel Financing					
Transportation CGA Revenues (422,021 Interruptible Sales Margin Capacity Release and Off System Sales Margins (1,676,512) Hedging Costs S9,917 3,568,556					
Capacity Release and Off System Sales Margins			(422.021)		
Capacity Release and Off System Sales Margins			-		
Fixed Price Option Administrative Costs 59,917 Total Adjustments 3,568.566 Total Anticipated Direct Cost of Gas \$ 127,589,939 Anticipated Indirect Cost of Gas \$ 127,589,939 Anticipated Indirect Cost of Gas \$ 124,021,383 Working Capital Rest Lead Lag Days / 365 0.0705 0.0705 Prime Rate 5.50% 480,659 Working Capital Percentage 3,388% 480,659 Plus: Working Capital Reconciliation (Acct 142.20) 3(30,998) 449,661 Bad Debt: Total Working Capital Allowance \$ 124,021,383 449,661 Plus: Total Working Capital Percentage 449,661 449,661 Bad Debt: \$ 124,021,383 \$ 124,021,383 Less: Refunds \$ 129,849,841 \$ 129,849,841 Plus: Total Working Capital \$ 449,661 \$ 129,849,841 Bad Debt Percentage \$ 129,849,841 \$ 129,849,841 Bad Debt Percentage \$ 1,118,204 \$ 947,639 Bad Debt Allowance \$ 1,118,204 \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneo			(1,676,512)		
Total Adjustments 3,568,556 Total Anticipated Direct Cost of Gas \$ 127,589,939 Anticipated Indirect Cost of Gas \$ 127,589,939 Anticipated Indirect Cost of Gas \$ 124,021,383 Working Capital:			-		
Total Anticipated Direct Cost of Gas Morking Capital: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Working Capital Rate: Lead Lag Days / 365 0.0705 Prime Rate 5.50% Working Capital Percentage 0.388% Working Capital Percentage 0.388% Working Capital Reconciliation (Acct 142.20) (30.998) Plus: Working Capital Allowance 3 124,021,383 East Endinds 1 Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds 1 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0.86% Bad Debt Nerconciliation (Acct 175.52) (170,566) Plus: Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202-04/30/23 \$ 92,781 Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead <td></td> <td></td> <td>59,917</td> <td></td> <td></td>			59,917		
### Anticipated Indirect Cost of Gas Working Capital: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 Working Capital Rate: Lead Lag Days / 365 Prime Rate Working Capital Percentage Working Capital Percentage Working Capital Reconciliation (Acct 142.20) Plus: Working Capital Reconciliation (Acct 142.20) Total Working Capital Allowance ###################################	Total Adjustments				3,568,556
Working Capital: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383	Total Anticipated Direct Cost of Gas			\$	127,589,939
Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 124,021,383 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.0705 0.088% 0.088	Anticipated Indirect Cost of Gas				
Working Capital Rate: Lead Lag Days / 365 0.0705 Prime Rate 5.50% Working Capital Percentage 0.388% Working Capital Reconciliation (Acct 142.20) (30,998) Plus: Working Capital Allowance 30,398 Bad Debt: 30,398 Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds - Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0.86% Bad Debt Percentage \$ 0,86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 Divided by Total Sales 92,781 Divided Indirect Cost of Gas \$ 5,082,758	Working Capital:				
Prime Rate 5.50% Working Capital Percentage 0.388% Working Capital Percentage \$ 480,659 Plus: Working Capital Reconciliation (Acct 142.20) (30,998) Total Working Capital Allowance 449,661 Bad Debt: - Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds - Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal 129,849,841 Bad Debt Percentage 0.86% Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead \$ 5,082,758		\$			
Working Capital Percentage 0.388% 480,659 Plus: Working Capital Reconciliation (Acct 142.20) (30,998) Total Working Capital Allowance 449,661 Bad Debt: - Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds - Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0.86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead - Total Anticipated Indirect Cost of Gas \$ 5,082,758					
Working Capital \$ 480,659					
Plus: Working Capital Reconciliation (Acct 142.20) (30,998) Total Working Capital Allowance 449,661 Bad Debt: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds - Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0.86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 Divided by Total Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead \$ 5,082,758		¢			
Total Working Capital Allowance	Working Capital	Ψ	460,059		
Bad Debt: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 \$ 124,021,383 Less: Refunds - Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0.86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ 92,781 Divided by Total Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead - Total Anticipated Indirect Cost of Gas \$ 5,082,758	Plus: Working Capital Reconciliation (Acct 142.20)		(30,998)		
Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 124,021,383 Less: Refunds -	Total Working Capital Allowance				449,661
Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 124,021,383 Less: Refunds -	Pad Dahir				
Less: Refunds 449,661 Plus: Total Working Capital 449,661 Plus: Prior Period (Over)/Under Recovery 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage 0,86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ 92,781 Divided by Total Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead - Total Anticipated Indirect Cost of Gas \$ 5,082,758		¢	124 021 202		
Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery 449,661 5,378,797 5,378,797 Subtotal \$ 129,849,841 Bad Debt Percentage Bad Debt Allowance \$ 1,118,204 (170,566) Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 Times Winter Sales Divided by Total Sales 92,781 (16,430) Miscellaneous Overhead Total Anticipated Indirect Cost of Gas \$ 5,082,758		Φ	124,021,303		
Plus: Prior Period (Over)/Under Recovery			449.661		
Bad Debt Percentage 0.86% Bad Debt Allowance \$ 1,118,204 Plus: Bad Debt Reconciliation (Acct 175.52) (170,566) Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 \$ 92,781 Divided by Total Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead - Total Anticipated Indirect Cost of Gas \$ 5,082,758					
Bad Debt Allowance	Subtotal	\$	129,849,841		
Bad Debt Allowance	Ded Debt December		0.0001		
Plus: Bad Debt Reconciliation (Acct 175.52)		¢.			
Total Bad Debt Allowance \$ 947,639 Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead Total Anticipated Indirect Cost of Gas \$ 5,082,758		Ф			
Production and Storage Capacity \$ 3,685,458 Miscellaneous Overhead 11/01/202- 04/30/23 Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead Total Anticipated Indirect Cost of Gas \$ 5,082,758	· · · · · · · · · · · · · · · · · · ·	-	(170,500)	¢	047 630
Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 116,430 Divided by Total Sales 116,430 - Miscellaneous Overhead - - Total Anticipated Indirect Cost of Gas \$ 5,082,758	Total Bad Boot Allowanio			Ψ	941,039
Miscellaneous Overhead 11/01/202- 04/30/23 \$ - Times Winter Sales 92,781 116,430 Divided by Total Sales 116,430 - Miscellaneous Overhead - - Total Anticipated Indirect Cost of Gas \$ 5,082,758	Production and Storage Capacity			\$	3,685,458
Times Winter Sales 92,781 Divided by Total Sales 116,430 Miscellaneous Overhead Total Anticipated Indirect Cost of Gas \$ 5,082,758				•	-,,
Divided by Total Sales Miscellaneous Overhead Total Anticipated Indirect Cost of Gas 116,430		\$	-		
Miscellaneous Overhead Total Anticipated Indirect Cost of Gas \$ 5,082,758					
Total Anticipated Indirect Cost of Gas \$ 5,082,758	· · · · · · · · · · · · · · · · · · ·		116,430		
				•	
Total Cost of Gas <u>\$ 132,672,697</u>	lotal Anticipated Indirect Cost of Gas			\$	5,082,758
	Total Cost of Gas			\$	132,672,697

Dated: November 15, 2022

Effective: November 1, 2022

Issued by:

/s/ Neil Proudman Neil Proudman

Title:

President

Presid

33 CALCULATION OF FIRM TRANSPORTATION COST OF GAS RATE

Calculation of Firm Transportation Cost of Gas Rate PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (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	\$ 2,297,840					
LNG	10,347,463					
TOTAL ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES ESTIMATED PERCENTAGE USED FOR PRESSURE SUPPORT PURPOSES ESTIMATED COST OF LIQUIDS USED FOR PRESSURE SUPPORT PURPOSES	12,645,303 <u>8.7%</u> \$ 1,100,141					
PROJECTED FIRM THROUGHPUT (THERMS): FIRM SALES FIRM TRANSPORTATION SUBJECT TO FTCG TOTAL FIRM THROUGHPUT SUBJECT TO COST OF GAS CHARGE	92,780,984 43,122,920 135,903,904		68.3% <u>31.7%</u> 100.0%			
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	31.7%	x	\$ 1,100,141	=	\$	349,080
PRIOR (OVER) OR UNDER COLLECTION						72,941
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOMERS					\$	422,021
PROJECTED FIRM TRANSPORTATION THROUGHPUT					4	3,122,920
FIRM TRANSPORTATION COST OF GAS					\$	0.0098

Issued by: /s/ Neil Proudma
Neil Proudman Dated: November 15, 2022

Effective: November 1, 2022 Title: President

NHPUC No. 11 - GAS LIBERTY UTILITIES Second Revised Page 99 Superseding First Revised Page 99 Environmental Surcharge

34. ENVIRONMENTAL SURCHARGE

Manufactured Gas Plants

Required Annual Environmental Increase \$983,056

DG 19-145 Audit adjustment of \$1,024,167 amortized over 3 years,

approved by Order \$341,389

Recovery difference between actual and estimate (July 2021 - June 2022) \$89,763

Environmental Subtotal \$1,414,208

Overall Annual Net Increase to Rates \$1,414,208

Estimated weather normalized firm therms billed for the

twelve months ended 10/31/2023 - sales and transportation 186,338,561 therms

MGP Surcharge per therm \$0.0076 per therm

Gasholder and pond at Gas Street, Concord, NH

Required Annual Environmental Increase \$69,514

Estimated weather normalized firm therms billed for the

twelve months ended 10/31/2023 - sales and transportation 186,338,561 therms

Gasholder and pond at Gas Street, Concord, NH Surcharge per therm \$0.0004 per therm

Total Environmental Surcharge (excludes Gas Holder per Order No. 26,692 dated September 29, 2022) \$0.0076 per therm

 Dated:
 November 15, 2022
 Issued by:
 /s/ Neil Proudman

Neil Proudman

Effective: November 1, 2022 Title: President

\$ 129,039

35 RATE CASE EXPENSE AND RECOUPMENT FACTOR CALCULATION

Rate Case Expense DG 17-048	\$ (4,836)
Rate Case Expense DG 20-105	\$ 680,768
Rate Case Expense to Recover as of August 31, 2022	\$ 675,932
Projected Recoupment/Rate Case Expense Recovery	\$ 804,971
Projected Interest	\$ 17,048
Total Projected Recovery, November 1, 2022 - October 31, 2023	\$ 822,018
Farmer A. Thomashar A. (Thomas)	400,000,504
Forecast Throughput (Therms)	186,338,561
RCE Factor (\$/Therm)	\$0.0044
Dated: November 15, 2022	Issued by: /s/ Neil Pr

Effective: November 1, 2022 Issued by: November 2, 2022 Is

Authorized by NHPUC Order No. 26,715 dated October 31, 2022 in Docket DG 22-045

Prior Period Recoupment/Rate Case Expense (Over)/Under Collection, including interest as of October 31, 2022

36 LOCAL DISTRIBUTION ADJUSTMENT CHARGE CALCULATION

Local Delivery Adjustment Charge Calculation

Local Delivery Adjustment Charge Calculation				
		Sales	Transportation	
		Customers	Customers	
Residential Non Heating Rates - R-1				
Energy Efficiency Charge	0.0640			
Demand Side Management Charge	0.0000			
Conservation Charge (CCx)		0.0640		
Relief Holder and pond at Gas Street, Concord, NH	0.0000			
Manufactured Gas Plants	0.0076			
Environmental Surcharge (ES)	0.0010	0.0076		
Revenue Decoupling Adjustment Factor (RDAF)		0.0000		
Property Tax Adjustment Mechanism (PTAM)		0.0000		
, , ,				
Rate Case Expense Factor (RCEF)		0.0044		
Gas Assistance Program (GAP)		0.0203		
LDAC		0.1086	per therm	
Residential Heating Rates - R-3, R-4, R-6, R-7				
Energy Efficiency Charge	0.0640			
Demand Side Management Charge	0.0000	_		
Conservation Charge (CCx)		0.0640		
Relief Holder and pond at Gas Street, Concord, NH	0.0000			
Manufactured Gas Plants	0.0076			
Environmental Surcharge (ES)		0.0076		
Revenue Decoupling Adjustment Factor (RDAF)		0.0000		
Property Tax Adjustment Mechanism (PTAM)		0.0124		
Rate Case Expense Factor (RCEF)		0.0044		
. , ,				
Gas Assistance Program (GAP)		0.0203		
LDAC		0.1086	per therm	
Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55				
Energy Efficiency Charge	0.0426			
Demand Side Management Charge	0.0000	_		
Conservation Charge (CCx)		0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH	0.0000			
Manufactured Gas Plants	0.0076			
Environmental Surcharge (ES)		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)		0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)		0.0124	0.0124	
Rate Case Expense Factor (RCEF)		0.0044	0.0044	
·				
Gas Assistance Program (GAP)		0.0203	0.0203	
LDAC		0.0872	0.0872	per therm
Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56				
Energy Efficiency Charge	0.0426			
Demand Side Management Charge	0.0000	_		
Conservation Charge (CCx)		0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH	0.0000			
Manufactured Gas Plants	0.0076	_		
Environmental Surcharge (ES)		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)		0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)		0.0124	0.0124	
Rate Case Expense Factor (RCEF)		0.0044	0.0044	
Gas Assistance Program (GAP)		0.0203	0.0203	
LDAC		0.0872	0.0872	per therm
LDAC		0.0072	0.0072	per menn
Communication of the American Communication of the				
Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58	0.0400			
Energy Efficiency Charge	0.0426			
Demand Side Management Charge	0.0000			
Conservation Charge (CCx)		0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH	0.0000			
Manufactured Gas Plants	0.0076	_		
Environmental Surcharge (ES)		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)		0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)		0.0124	0.0124	
Rate Case Expense Factor (RCEF)		0.0044	0.0044	
Gas Assistance Program (GAP)		0.0203	0.0203	
LDAC		0.0872	0.0872	per therm
		J.J.J.	5.50.2	po

Dated: November 15, 2022 Issued by: $\frac{/s/\text{ Neil Proudman}}{\text{Neil Proudman}}$ Effective: November 1, 2022 Title: President

Second Revised Page 153 Superseding First Revised Page 153 Attachments

2 ATTACHMENT B

Schedule of Administrative Fees and Charges

Schedule of Administrative Fees and Charges

1	Supplier Balancing Charge:	\$	0.21	per MMBtu of Daily Imbalance Volumes	"\
I.	Supplier Dalaricity Charge.	J)	0.21	per minible of Daily illibarance voluntes	,

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

III. Peaking Demand Charge \$ 56.69 MMBTU of Peak MDQ

IV. Company Allowance Calculation (per Schedule 25)

 170,377,710
 Total Sendout - Therms Jul-2021 - Jun-2022

 166,126,573
 Total Throughput - Therms Jul-2021 - Jun-2022

 4,251,137
 Variance (Sendout - Throughput)

4,251,137 Variance (Sendout - Throughput)
Company Allowance Percentage 2022-23 2.5% Variance / Total Sendout

Dated: November 15, 2022 Issued by: /s/ Neil Proudman

Neil Proudman

Effective: November 1, 2022 Title: President

3 ATTACHMENT C Capacity Allocators

CAPACITY ALLOCATORS

Rate Class		Pipeline	Storage	Peaking	Total
	Low Annual /High Winter				
G-41	Use	71.5%	17.4%	11.0%	100.0%
G-51	Low Annual /Low Winter Use	79.5%	12.6%	7.9%	100.0%
G-42	Medium Annual / High Winter	71.5%	17.4%	11.0%	100.0%
G-52	High Annual / Low Winter Use	79.5%	12.6%	7.9%	100.0%
G-43	High Annual / High Winter	71.5%	17.4%	11.0%	100.0%
G-53	High Annual / Load Factor < 90%	79.5%	12.6%	7.9%	100.0%
G-54	High Annual / Load Factor < 90%	79.5%	12.6%	7.9%	100.0%

Dated: November 15, 2022 Issued by: /s/ Neil Proudman

Neil Proudman

Effective: November 1, 2022 Title: President

<u>Page</u>	Revision
Title	Original
TOC i	First Revised
TOC ii	Original
TOC iii	First Revised
TOC iv	Original
1	Thirty-firstieth Revised
2	Second Revised
3	Twenty- <u>nintheight</u> Revised
4	Twenty-seventh fifth Revised
5	First Revised Original
6	Original
7	Original
8	Original
9	First Revised
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

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Neil Proudman

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

DATED: September 27, 2022 ISSUED BY: /s/Neil Proudman

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Neil Proudman
TITLE: President

Page	Revision
90	Original
91	SecondFirst Revised
92	Fourth Third Revised
93	EighthSeventh Revised
94	SecondFirst Revised
95	SeventhSixth Revised
96	SecondFirst Revised
97	Fifth Revised
98	SecondFirst Revised
99	SecondFirst Revised
100	SecondFirst Revised
101	Seventhixth 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

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Neil Proudman

EFFECTIVE: November October 1, 2022

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124	Original
125	Original
126	Original
127	Original
128	Original
129	Original
130	Original
131	Original
132	Original
133	Original
134	Original
135	Original
136	Original
137	Original
138	Original
139	Original
140	Original
141	Original
142	Original
143	Original
144	Original
145	Original
146	Original
147	Original
148	Original
149	Original
150	Original
151	Original
152	Original
153	Second First Revised

DATED: November 12, 2021

EFFECTIVE:November 1, 20221

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

22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

			FIRM	II RATE S RATE SCHEDULES EX	SCHEDULES (CLUDING KEENE	CUSTOMERS			
		s effective Nov	pril 1, 2022 - April 3 ember 1, 2022 - Apr 'inter Period	0, 2022	Rates Effective September 1, 2022 — October 31, 2022 Rates Effective May 1, 2023 - October 31, 2023 Summer Period				
	Delivery unarge	Cost of Gas Rate Page 95	LDAC Page 101	Total <u>kate</u>	Delivery <u>Cnarge</u>	Cost of Gas Rate Page 92	LDAC Page 101	Total <u>Kate</u>	
Residential Non Heating - R-1 Customer Charge per Month per Meter All Therms	\$ 15.39 \$ 0.5129 \$ 0.3844	\$ 1.4300 \$ 1.1747	\$ 0.1086 \$ 0.1318		\$ 15.39 \$ 0.5129	\$ 1.0269	\$ \$ 0.1086 \$ \$ 0.1318 \$	15.39 1.6484 1.8742	
Residential Heating - R-3 Customer Charge per Month per Meter All Therms	\$ 15.39 \$ 0.6519 \$ 0.5632	\$ 1.4300 \$ 1.1747	\$ 0.1086 \$ 0.1318		\$ 15.39 \$ 0.6519	\$ 1.0269	\$ \$ 0.1086 \$ \$ 0.1318 \$	15.39 1.7874 2.0132	
Residential Heating - R-4 Customer Charge per Month per Meter All Therms	\$ 8.47 \$ 0.3585 \$ 0.3098	\$ 0.7865 \$ 0.6461	\$ 0.1086 \$ 0.1318	\$ 8.47 \$ 1.2536 \$ 1.0877	\$ 15.39 \$ 0.6519	1.0269	\$ 0.1086 \$ \$ 0.1318 \$-	15.39 1.7874 2.0132	
Commercial/Industrial - G-41 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 57.06 \$ 63.30 100 Therms \$ 0.5088	\$ 1.4301	\$ 0.0872		\$ 63.30 20 therm \$ 0.5088	s 3 \$ 1.0271	\$ \$ 0.0872 \$	63.30 1.6231	
All therms over the first block per month at Commercial/Industrial - G-42	\$ 0.4688 \$ 0.3550 \$ 0.3149 \$ 171.19	\$ 1.1749 \$ 1.4301 \$ 1.1749	\$ 0.0991 \$ 0.0872 \$ 0.0991	\$ 1.5889 \$ 171.19	\$ 0.3550	\$ 1.0271 \$ 1.2303	\$ 0.0991 \$ 0.0872 \$ 0.0991 \$-	1.8382 1.4693 1.6844	
Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 189.84 1000 therms \$ 0.4634 \$ 0.4261	\$ 1.4301 \$ 1.1749	\$ 0.0872 \$ 0.0991		\$ 189.84 400 therm \$ 0.4634	s \$ 1.0271	\$ 0.0872 \$ \$ 0.0991 \$-	189.84 1.5777 1.3294	
All therms over the first block per month at	\$ 0.3212 \$ 0.2839	\$ 1.4301 \$ 1.1749	\$ 0.0872 \$ 0.0991	\$ 1.8385 \$ 1.5579	\$ 0.3212		\$ 0.0872 \$ \$ 0.0991 \$	1.4355 1.3294	
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$ 734.69 \$ 811.98 \$ 0.2863 \$ 0.2620	\$ 1.4301 \$ 1.1749	\$ 0.0872 \$ 0.0991	\$ 1.5360	\$ 811.98 \$ 0.1441	\$ 1.0271	\$ 0.0872 \$ 0.0991 \$-	811.98 1.2584 1.4735	
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 57.06 \$ 63.38 100 therms \$ 0.3070	\$ 1.4296	\$ 0.0872		\$ 63.38 100 therm \$ 0.3070	s) \$ 1.0266	\$ \$ 0.0872 \$	63.38 1.4208	
All therms over the first block per month at Commercial/Industrial - G-52	\$ 0.2819 \$ 0.2084 \$ 0.1833 \$ 171.19	\$ 1.1732 \$ 1.4296 \$ 1.1732	\$ 0.0991 \$ 0.0872 \$ 0.0991	\$ 1.5542 \$ 1.7252 \$ 1.4556 \$ 171.19	\$ 0.2084	\$ 1.0266	\$ 0.0991 \$ \$ 0.0872 \$ \$ 0.0991 \$	1.6345 1.3222 1.5359	
Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 189.57 1000 therms \$ 0.2647 \$ 0.2428	\$ 1.4296 \$ 1.1732	\$ 0.0872 \$ 0.0991	\$ 189.57 \$ 1.7815	\$ 189.57 1000 therms \$ 0.1978	\$ \$ 1.0266	\$ 0.0872 \$ \$ 0.0991 \$	189.57 1.3116 1.5230	
All therms over the first block per month at	\$ 0.1836 \$ 0.1617	\$ 1.4296 \$ 1.1732	\$ 0.0872 \$ 0.0991		\$ 0.1219	\$ 1.0266	\$ 0.0872 \$ \$ 0.0991 \$	1.2357 1.4494	
Commercial/Industrial - G-53 Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.10 \$ 838.52 \$ 0.1851 \$ 0.1697	\$ 1.4296 \$ 1.1732	\$ 0.0872 \$ 0.0991	\$ 756.10 \$ 838.52 \$ 1.7019 \$ 1.4420	\$ 838.52 \$ 0.0968	\$ \$ 1.0266	\$ 0.0872 \$ \$ 0.0991 \$-	838.52 1.2106 1.4243	
Commercial/Industrial - G-54 Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.10 \$ 839.19 \$ 0.0705 \$ 0.0648	\$ 1.4296 \$ 1.1732	\$ 0.0872 \$ 0.0991	\$ 756.10 \$ 839.19 \$ 1.5873 \$ 1.3371	\$ 839.19 \$ 0.0409	\$ 1.0266	\$ 0.0872 \$ 0.0991 \$-	839.19 1.1547 1.3684	

November 15, 2022 Issued: September 15, 2022 Effective: November 1, 2022 September 1, 2021

/s/ Neil Proudman Neil Proudman Issued by: Title: President

Authorized by NHPUC Order No. 26,715 dated October 31,2022 in Docket DG 22-045 Authorized by NHPUC Order No. 26,676 dated August 31,2022 in Docket DG 22-028

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

			FIDM DATE C		CHEDULES	CUCTOMEDO		
		ective Novembe	1, 2022 - April 3 er 1, 2022 - Apri		Rates Effe	ective Septembel Effective May 1,	2023 - October	
		Winter	Period			Summer	Period	
	Delivery <u>Charge</u>	Cost of Gas Rate <u>Page 95</u>	LDAC Page 101	Total <u>Rate</u>	Delivery <u>Charge</u>	Cost of Gas Rate <u>Page 92</u>	LDAC Page 101	Total <u>Rate</u>
Residential Non Heating - R-5								
Customer Charge per Month per Meter All Therms	\$ 20.01 \$ 0.6668 \$ 0.4997	\$ 1.4300 \$ 1.1747	\$ 0.1086 \$ 0.1318	\$ 20.01 \$ 2.2054 \$ 1.8062	\$ 20.01 \$ 0.6668	\$ 1.0269 \$ 1.2295	\$ 0.1086 \$ 0.1318	\$ 20.01 \$ 1.8023 \$ 2.0281
Residential Heating - R-6								
Customer Charge per Month per Meter Therms in the first block per month at	\$ 20.01 \$ 0.8475 \$ 0.7322	\$ 1.4300 \$ 1.1747	\$ 0.1086 \$ 0.1318	\$ 20.01 \$ 2.3861 \$ 2.0387	\$ 20.01 \$ 0.8475	\$ 1.0269 \$ 1.2295	\$ 0.1086 \$ 0.1318	\$ 20.01 \$ 1.9830 \$ 2.2088
Residential Heating - R-7	•	*		\$	6 20.04	,	,	,
Customer Charge per Month per Meter Therms in the first block per month at	\$ 11.01 \$ 0.4661 \$ 0.4027	\$ 0.7865 \$ 0.6461	\$ 0.1086 \$ 0.1318	\$ 11.01 \$ 1.3612 \$ 1.1806	\$ 20.01 \$ 0.8475	\$ 1.0269 \$ 1.2295	\$ 0.1086 \$ 0.1318	\$ 20.01 \$ 1.9830 \$ 2.2088
Customer Charge per Month per Meter	\$ 74.18 \$ 82.29			\$ 74.18 \$ 82.29	\$ 82.29			\$ 82.29
Size of the first block Therms in the first block per month at	100 therms \$ 0.6614	\$ 1.4301	\$ 0.0872	\$ 2.1787	20 therm: \$ 0.6614	\$ 1.0271	\$ 0.0872	\$ 1.7757
All therms over the first block per month at	\$ 0.6094 \$ 0.4614 \$ 0.4094	\$ 1.1749 \$ 1.4301 \$ 1.1749	\$ 0.0991 \$ 0.0872 \$ 0.0991	\$ 1.8834 \$ 1.9787 \$ 1.6834	\$ 0.4614	\$ 1.2303 \$ 1.0271 \$ 1.2303	\$ 0.0991 \$ 0.0872 \$ 0.0991	\$ 1.9908 \$ 1.5757 \$ 1.7908
Commercial/Industrial - G-45 Customer Charge per Month per Meter	\$ 222.55 \$ 246.78	D 1.1748	\$ 0.0881	\$ 222.55 \$ 246.78	\$ 246.78	,	ъ 0.0881	\$ 246.78
Size of the first block	1000 therms			φ 240.76	400 therm			φ 240.70
Therms in the first block per month at	\$ 0.6023 \$ 0.5539	\$ 1.4301 \$ 1.1749	\$ 0.0872 \$ 0.0991	\$ 2.1196 \$ 1.8279	\$ 0.6023	\$ 1.0271 \$ 1.2303	\$ 0.0872 \$ 0.0991	\$ 1.7166 \$ 1.9317
All therms over the first block per month at	\$ 0.4175 \$ 0.3691	\$ 1.4301 \$ 1.1749	\$ 0.0872 \$ 0.0991	\$ 1.9348 \$ 1.6431	\$ 0.4175		\$ 0.0872 \$ 0.0991	\$ 1.5318 \$ 1.7469
Commercial/Industrial - G-46	\$ 955.10			\$ 955.10				
Customer Charge per Month per Meter All therms over the first block per month at	\$ 1,055.58 \$ 0.3722	\$ 1.4301	\$ 0.0872	\$ 1,055.58 \$ 1.8895	\$ 1,055.58 \$ 0.1873		\$ 0.0872	\$ 1,055.58 \$ 1.3016
Commercial/Industrial - G-55	\$ 0.3406 \$ 74.18	\$ 1.1749	\$ 0.0991	\$ 1.6146 \$ 74.18		\$ 1.2303	\$ 0.0991	\$ 1.5167
Customer Charge per Month per Meter	\$ 82.39			\$ 82.39	\$ 82.39			\$ 82.39
Size of the first block Therms in the first block per month at	100 therms \$ 0.3992	\$ 1.4296	\$ 0.0872	\$ 1.9160	100 therm: \$ 0.3992		\$ 0.0872	\$ 1.5130
All therms over the first block per month at	\$ 0.3665 \$ 0.2387	\$ 1.1732 \$ 1.4296	\$ 0.0991 \$ 0.0872	\$ 1.6388 \$ 1.7555	\$ 0.2387	\$ 1.2284 \$ 1.0266	\$ 0.0991 \$ 0.0872	\$ 1.7267 \$ 1.3525
Commercial/Industrial - G-56	\$ 0.2383 \$ 222.55	\$ 1.173 <u>2</u>	\$ 0.0991	\$ 1.5106 \$ 222.55	\$ 0.2710	\$ 1.2284	\$ 0.0991	\$ 1.5985
Customer Charge per Month per Meter	\$ 246.43			\$ 246.43	\$ 246.43			\$ 246.43
Size of the first block Therms in the first block per month at	1000 therms \$ 0.3442	\$ 1.4296	\$ 0.0872	\$ 1.8610	1000 therm: \$ 0.2572	\$ 1.0266	\$ 0.0872	\$ 1.3710
All therms over the first block per month at	\$ 0.3157 \$ 0.2387	\$ 1.1732 \$ 1.4296	\$ 0.0991 \$ 0.0872	\$ 1.5880 \$ 1.7555	\$ 0.1585		\$ 0.0991 \$ 0.0872	\$ 1.5847 \$ 1.2723
	\$ 0.2102	\$ 1.1732	\$ 0.0991	\$ 1.4825		\$ 1.2284	\$ 0.0991	\$ 1.4860
Commercial/Industrial - G-57	\$ 982.93			\$ 982.93 \$ 1,000.00	£ 4000 00			¢ 4000.00
Customer Charge per Month per Meter All therms over the first block per month at	\$ 1,090.08 \$ 0.2407 \$ 0.2207	\$ 1.4296 \$ 1.1732	\$ 0.0872 \$ 0.0991	\$ 1,090.08 \$ 1.7575 \$ 1.4930	\$ 1,090.08 \$ 0.1259		\$ 0.0872 \$ 0.0991	\$ 1,090.08 \$ 1.2397 \$ 1.453 4
Commercial/Industrial - G-58	\$ 982.93			\$ 982.93				
Customer Charge per Month per Meter All therms over the first block per month at	\$ 1,090.95 \$ 0.0916	\$ 1,4296	\$ 0.0872	\$ 1,090.95 \$ 1,6084	\$ 1,090.95 \$ 0.0531		\$ 0.0872	\$ 1,090.95 \$ 1,1669
, in thorms over the mat blook per month at	\$ 0.0842	\$ 1.1732	\$ 0.0072 \$ 0.0991	\$ 1.3565	ψ 0.0001	\$ 1.0200 \$ 1.2284	\$ 0.0072 \$ 0.0991	\$ 1.3806

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/s/ Neil Proudman Neil Proudman Issued by: Title: President

Authorized by NHPUC Order No. 26,715 dated October 31,2022 in Docket DG 22-045 Authorized by NHPUC Order No. 26,676 dated August 31,2022 in Docket DG 22-028

26 ANTICIPATED 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
PERIOD COVERED: SUMMER PERIOD, MAY 1, 2023 THROUGH OCTOBER 31, 2023
(REFER TO TEXT ON IN SECTION 16 COST OF GAS CLAUSE)

(KELEK TO TEXT ON IN SECTION TO COST O	JI GAS CLAUSE)			
(Col 1)	(Col 2)	(Col 3)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS				
Purchased Gas:				
Demand Costs:	\$ 3, 276,842		\$ 3,233,514	
Supply Costs:	6,971,475		\$ 9,171,762	
Storage Gas:			_	
Demand, Capacity:			\$ -	
Commodity Costs:		=	\$ -	
B 1 10	00.504		. 450.040	
Produced Gas:	82,504		\$ 152,643	
Hadrad Cartes & Cartes			•	
Hedged Contract Savings			\$ -	
Unadjusted Anticipated Cost of Gas		\$ 10,330,821		\$ 12,557,918
Adjustments:				
Prior Period (Over)/Under Recovery as of September 1, 2021 September 01, 2022	\$ 4,472,186		\$ 10,637,079	
Interest	222,837		\$ 457,126	
Prior Period Adjustments			\$ -	
Broker Revenues			\$ -	
Refunds from Suppliers			\$ -	
***			\$ -	
Fuel Financing	-		\$ -	
Transportation CGA Revenues			\$ -	
Interruptible Sales Margin				
Capacity Release and Off System Sales Margin			\$ -	
Hedging Costs			\$ -	
Fixed Price Option Administrative Costs			\$ -	
Total Adjustments	-	4,695,023		\$ 11,094,205
Total Anticipated Direct Cost of Gas		\$ 15,025,844		\$ 23,652,124
Australia stant la discrete Control				
Anticipated Indirect Cost of Gas				
Working Capital:	¢ 40 200 004		* 40 557 040	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23)	\$_10,330,821		\$ 12,557,918	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate	0.0023		0.0705	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate	0.0023 3.25%		0.0705 5.50%	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage	0.0023 3.25% 0.007%		0.0705 5.50% 0.388%	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate	0.0023 3.25%		0.0705 5.50%	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital	0.0023 3.25% 0.007% 769		0.0705 5.50% 0.388% \$ 48,670	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage	0.0023 3.25% 0.007%		0.0705 5.50% 0.388%	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital	0.0023 3.25% 0.007% 769	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Plus: Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424)	0.0023 3.25% 0.007% 769	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Plus: Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424)	0.0023 3.25% 0.007% 769	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Percentage Plus: Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt:	0.0023 3.25% 0.007% 769	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Plus: Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23)	0.0023 3.25% 0.007% 769 4,555	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds	0.0023 3.25% 0.007% 769 4,555	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital	0.0023 3.25% 0.007% 769 4,555 \$ 10,330,821	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery	\$ 10,330,821 	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital	0.0023 3.25% 0.007% 769 4,555 \$ 10,330,821	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal	\$ 10,330,821 	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127 \$ 10,637,079 \$ 23,291,125	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage	\$ 10,330,821 	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86%	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance	\$ 10,330,821 	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572	\$ 96,127
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754)	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86%	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance	\$ 10,330,821 	\$ 5,324	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572	\$ 96,127 \$ 538,132
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572	\$ 538,132
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754)	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572	
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ - \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560	\$ 538,132
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23)	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560	\$ 538,132
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560 \$ - \$ 23,649	\$ 538,132
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Total Working Capital Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales Divided by Total Sales	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 96,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560	\$ 538,132 \$ -
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales Divided by Total Sales Miscellaneous Overhead	\$ 10,330,821 	——126,817 ————	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560 \$ - \$ 23,649	\$ 538,132 \$ -
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Total Working Capital Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales Divided by Total Sales	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560 \$ - \$ 23,649	\$ 538,132 \$ -
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales Divided by Total Sales Miscellaneous Overhead Total Anticipated Indirect Cost of Gas	\$ 10,330,821 		0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560 \$ - \$ 23,649	\$ 538,132 \$ - \$ 634,259
Working Capital: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Working Capital Rate Prime Rate Working Capital Percentage Working Capital Reconciliation (Acct 142.20) (Acct 1163-1424) Total Working Capital Allowance Bad Debt: Total anticipated Direct Cost of Gas (05/01/22 - 10/31/22)(05/01/23 - 10/31/23) Less: Refunds Plus: Total Working Capital Plus: Prior Period (Over)/Under Recovery Subtotal Bad Debt Percentage Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 1163-1754) Total Bad Debt Allowance Production and Storage Capacity Miscellaneous Overhead (05/01/22 - 10/31/22) (05/01/23 - 10/31/23) Times Summer Winter Sales Divided by Total Sales Miscellaneous Overhead	\$ 10,330,821 	——126,817 ————	0.0705 5.50% 0.388% \$ 48,670 \$ 47,458 \$ 12,557,918 \$ 9,127 \$ 10,637,079 \$ 23,291,125 0.86% \$ 200,572 \$ 337,560 \$ - \$ 23,649	\$ 538,132 \$ -

 Issued:
 November 15, 2022

 November - 19, 2024

 Effective:
 November 1, 2022

 November 1, 2021

Issued by: /s/ Neil Proudm Neil Proudman Title: President

November 15, 2022

April 24, 2022

Effective: November 1, 2022 May 1, 2022

Issued:

Neil Proudman

President

Title:

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 PERIOD COVERED: SUMMER PERIOD, MAY 1, 2023 THROUGH OCTOBER 31, 2023

(Refer to Text in Section 17 Cost of Gas Clause)

(Col 1)		(Col 2)	(Col 3)	(Col 2)		(Col 3)	
Total Anticipated Direct Cost of C Projected Prorated Sales (05/01/ Direct Cost of Gas Rate	Gas 23 - 10/31/23) (05/01/22 - 10/31/22)	\$ 15,025,844 - 27,125,444	\$ <u>0.5539</u>	\$ 23,652,124 \$ 23,648,905	\$	1 0001	per therm
Direct Cost of Gas Rate			\$ 0.0008		Ф	1.0001	per menn
Demand Cost of Gas Rate		\$ 3,276,842	\$ 0.1208	\$ 3,233,514	\$		per therm
Commodity Cost of Gas Rate		7,053,979	\$ 0.2601 \$ 0.1721	\$ 9,324,405	\$		per therm
Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate		<u>4,695,023</u> \$ 15,025,844	\$ 0.1731 \$ 0.5539	\$11,094,205 \$23,652,124			per therm
Total Direct Cost of Gas Rate		\$ 15,025,044	ф 0.0008	Φ 23,032, 124	Ф	1.0001	per therm
Total Anticipated Indirect Cost of	Gas	\$ 131,366		\$ 634,259			
	/23 - 10/31/23) (05/01/22 - 10/31/22)	-27,125,444		23,648,905			
Indirect Cost of Gas			\$ 0.0048		\$	0.0268	per therm
TOTAL PERIOD AVERAGE CO	ST OF GAS EFFECTIVE 05/01/23						
	ST OF GAS EFFECTIVE 05/01/22		\$ 0.5587		\$	1.0269	per Therm
RESIDENTIAL COST OF GAS R	0.015 05/04/2022 05/04/2022			000	•	4 0000	1/41
RESIDENTIAL COST OF GAS IN	AATE - 03/01/2023 03/01/2022			COGsr	\$	1.0269	/therm
			\$ 0.6984	(COG + 25%)	\$	1.2836	per therm
		,					100
COM/IND HIGH WINTER USE C	OST OF GAS RATE - 05/01/2023 05/01/202			COGsh	\$	1.0271	/therm
	Average Demand Cost of Gas Rate Effective	ve 05/01/23	\$ 0.1367				
	'Times: High Winter Use Ratio (Summer)		\$ 1.0005	(COG + 25%)	\$	1.2839	
	Times: Correction Factor		\$ 1.0009	_			
	Adjusted Demand Cost of Gas Rate		\$ 0.1369				
	Commodity Cost of Gas Rate		\$ 0.3943				
	Adjustment Cost of Gas Rate		\$ 0.4691				
	Indirect Cost of Gas Rate		\$ 0.0268	_			
	Adjusted Com/Ind High Winter Use Cost of	Gas Rate	\$ 1.0271				
COM/IND LOW WINTER USE C	OST OF GAS RATE - 10/01/2023			COGsl	\$	1.0266	/therm
	Average Demand Cost of Gas Rate Effective	ve 05/01/23	\$ 0.1367				
	'Times: Low Winter Use Ratio (Summer)	0 00/0 1/20	\$ 0.9971	(COG + 25%)	\$	1.2833	
	Times: Correction Factor		\$ 1.0009	,			
	Adjusted Demand Cost of Gas Rate		\$ 0.1364				
	Commodity Cost of Gas Rate		\$ 0.3943				
	Adjustment Cost of Gas Rate		\$ 0.3943				
	Indirect Cost of Gas Rate		\$ 0.0268				
	Adjusted Com/Ind Low Winter Use Cost of	Gas Rate	\$ 1.0266				
				Issued by:	/s/ N	leil Proudma	an
l				issued by.		Draudraar	<u> </u>

Authorized by NHPUC Order No. 26,715 dated October 31, 2022 in Docket DG 22-045 Authorized by NHPUC Order No. 26,541 dated October 29, 2021 in Docket DG 21-130

29 CALCULATION OF FIXED WINTERPERIOD 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 PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (Refer to Text in Section 17(A) Fixed Price Option Program)

(Col 1)	(Col 2)	(Col 3)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23) Direct Cost of Gas Rate	\$ <u>94,810,891</u> <u>87,443,741</u>	\$ 1.0843	\$ 127,589,939 92,780,984	\$ 1.3752 per therm
Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Hedge Underground Storage Contract (Savings)/Loss Total Direct Cost of Gas Rate	\$ 13,868,897 	\$ 0.1586 \$ 0.9238 \$ 0.0018 \$ 1.0843	\$ 12,510,219 117,533,374 3,568,556 \$ (6,022,210) \$ 127,589,939	\$ 0.1348 per therm \$ 1.2668 per therm \$ 0.0385 per therm \$ (0.0649) per therm \$ 1.3752 per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23) Indirect Cost of Gas	\$—4,338,002 —87,443,741	\$ 0.0496	\$ 5,082,758 92,780,984	\$ 0.0548 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22)		\$ 1.1339		\$ 1.4300
Calculation of FPO Excluding Low Income - Rate Code R-3 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22) FPO Risk Premium TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/22)		\$ 1.1339 \$ 0.0200 \$ 1.1539		\$ 1.4300 \$ 0.0200 \$ 1.4500
RESIDENTIAL COST OF GAS RATE - EXCLUDING LOW INCOME - (R-3) 11/01/22		\$ 1.1539	COGwr	\$ 1.4500 /therm
Calculation of FPO for Gas Assistance Program - Rate Code R-4 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE (11/01/22) FPO (Line 13 * 0.55) FPO Risk Premium (Line 14 * 0.55) TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/22) (Line 15 * 0.5	5)	\$ 0.6236 \$ 0.0110 \$ 0.6346		\$ 0.7865 \$ 0.0110 \$ 0.7975
RESIDENTIAL COST OF GAS RATE - LOW INCOME - (R-4) 11/01/22		\$ 0.6346	COGwr	\$ 0.7975 /therm

 Issued:
 November 15, 2022 November 19, 2021
 Issued by:
 /s/ Neil Proudman

 Effective:
 November 1, 2022 November 1, 2021
 Title:
 President

Authorized by NHPUC Order No. 26,715 dated October 31, 2022 in Docket DG 22-045 Authorized by NHPUC Order No. 26,541 dated October 29, 2021 in Docket 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 PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (Refer to Text in Section 17 Cost of Gas Clause)

	(Col 1)		(Col 2)	(Col 3)	(Col 2)		(Col 3)	
	Direct Cost of Gas ad Sales (11/01/21 - 04/30/22) (11/01/20 - 04/30/21) sas Rate		\$ 94,810,891 87,443,741	1.0843	\$ 127,589,939 \$ 92,780,984	\$	1.3752	per therm
Demand Cost or Commodity Cos Adjustment Cos Hedge Contract Total Direct Cos	st of Gas Rate st of Gas Rate (Savings)		\$ -13,868,897 -80,780,853 -161,141 		\$ 3,568,556 \$ (6,022,210)		0.1348 1.2668 0.0385 (0.0649) 1.3752	
•	Indirect Cost of Gas ed Sales (11/01/21 - 04/30/22) (11/01/21 - 04/30/22) Gas		\$ 4,338,002 87,443,741	\$ <u>0.0496</u>	\$ 5,082,758 92,780,984	\$	0.0548	per therm
	AVERAGE COST OF GAS EFFECTIVE 11/01/22 AVERAGE COST OF GAS EFFECTIVE 11/01/21			\$ 1.1339		\$	1.4300	per Therm
RESIDENTIAL C	OST OF GAS RATE - 11/01/22				COGwr	\$	1.4300	/therm
RESIDENTIAL C	COST OF GAS RATE - 11/01/21				COGwr	\$	1.1339	/therm
				Maximum	(COG + 25%)	\$	1.4174	\$ 1.7875
GAS ASSISTAN	CE PLAN RESIDENTIAL COST OF GAS RATE R-4 & R-7 - 1	11/01/22			COGwr	\$	0.7865	/therm
GAS ASSISTAN	CE PLAN RESIDENTIAL COST OF GAS RATE R-4 & R-7 - 1	11/01/21			COGwr	\$	0.6236	/therm
				Maximum	(COG + 25%)	\$	0.7796	\$ 0.9831
C&I HIGH WINT	ER USE COST OF GAS RATE - 11/01/22				COGwh	\$	1.4301	/therm
C&I HIGH WINT	ER USE COST OF GAS RATE - 11/01/21				COGwh	\$	1.1341	/therm
	Average Demand Cost of Gas Rate Effective 14/01/24 11/0 Times: High Winter Use Ratio (Winter)	1 \$ 0.1586 — 1.0017	\$ 0.1348 1.0005	Maximum	(COG + 25%)	\$	1.4176	\$ 1.7876
	Times: Correction Factor Adjusted Demand Cost of Gas Rate		\$ 1.0001 0.1349	-				
	Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Hedge Contract (Savings) Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.9238 	\$	Minimum Maximum				
C&I LOW WINTE	ER USE COST OF GAS RATE - 11/01/22				COGwl	\$	1.4296	/therm
C&I LOW WINTE	ER USE COST OF GAS RATE - 11/01/21				COGwl	s	1.1324	/therm
	Average Demand Cost of Gas Rate Effective 14/01/20 11/0 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 Hedge Contract (Savings) Adjusted C&I Low Winter Use Cost of Gas Rate		\$ 0.1348 0.9971 1.0001 0.1344 1.2668 0.0385 0.0548 (0.0649) 1.4296	Maximum -	(COG + 25%)	\$		\$ 1.7870
Issued:	######################################						eil Proudma	an
Effective:	March 24, 2022 November 1, 2022 April 1, 2022				Title:	Neil I Presi	Proudman dent	

Effective:

November 1, 2022 November 1, 2021

31 ANTICIPATED COST OF GAS - EXCLUDING KEENE CUSTOMERS

Anticipated Cost of Gas PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2021 THROUGH APRIL 30, 2022 PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023 (REFER TO TEXT ON IN SECTION 17 COST OF GAS CLAUSE)

(Col 1)	(Col 2)	(Col 3)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS				
Purchased Gas: Demand Costs:	\$ 12.887.000		\$ 11,510,320	
Supply Costs:	72,351,034		93,418,619	
Storage Gas:				
Demand, Capacity:	\$ 981,898		\$ 999,899	
Commodity Costs:	6,130,435		11,469,453	
Produced Gas:	2,299,384		12,645,303	
Hedged Contract (Saving)/Loss			(6,022,210))
Hedge Underground Storage Contract (Saving)/Loss			-	,
Unadjusted Anticipated Cost of Gas		\$ 94,649,751		\$ 124,021,383
Adjustments:				
Prior Period (Over)/Under Recovery (as of 05/01/22) Interest	\$ 1,431,639 44,085		\$ 5,378,797 \$ (283,633)	.
Fuel Inventory Revenue Requirement	335,667		\$ 515,609	
Broker Revenues	(3,600)		\$ (3,600)	
Refunds from Suppliers Fuel Financing			\$ - \$ -	
Transportation CGA Revenues	(6,938)		\$ (422,021))
Interruptible Sales Margin			\$ -	
Capacity Release and Off System Sales Margins Hedging Costs	(1,676,512)		\$ (1,676,512) \$ -	1
Fixed Price Option Administrative Costs	36,800		\$ 59,917	
Total Adjustments		161,141		3,568,556
Total Anticipated Direct Cost of Gas		\$ 94,810,891		\$ 127,589,939
Anticipated Indirect Cost of Gas				
Working Capital: Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23	\$ 94,649,751		\$ 124,021,383	
Working Capital Rate: Lead Lag Days / 365	0.0705		\$ 0.0705	
Prime Rate	3.25%		5.50%	
Working Capital Percentage Working Capital	9.229% \$ 216,761		0.388% \$ 480,659	
- '			\$ -	
Plus: Working Capital Reconciliation (Acct 142.20) Total Working Capital Allowance	(14,859)	201.902	\$ (30,998)	<u>)</u> 449,661
	-	201,902		449,001
Bad Debt:	04.040.754		* 404.004.000	
Total Unadjusted Anticipated Cost of Gas 11/01/22 - 04/30/23 Less: Refunds	\$ 94,649,751 		\$ 124,021,383	
Plus: Total Working Capital	201,902		449,661	
Plus: Prior Period (Over)/Under Recovery	-1,431,639 \$ 96,283,291		5,378,797 \$ 129,849,841	
Subtotal	3 30,203,281		\$ 129,849,841	
Bad Debt Percentage	0.70%		0.86%	<u>!</u>
Bad Debt Allowance Plus: Bad Debt Reconciliation (Acct 175.52)	\$ 673,983 (223,340)		\$ 1,118,204 \$ (170,566)	١
Total Bad Debt Allowance	- (===,= :=)	\$ 450,643	(,)	\$ 947,639
Production and Storage Capacity		\$ 3,685,458		\$ 3,685,458
Miscellaneous Overhead 11/01/202- 04/30/23	\$		\$ -	
Times Winter Sales Divided by Total Sales	91,677 115,043		\$ 92,781 \$ 116,430	
Miscellaneous Overhead	-110,043		\$ 110,430	-
Total Anticipated Indirect Cost of Gas		\$ 4,338,002		\$ 5,082,758
Total Cost of Gas		\$ 99,148,894		\$ 132,672,697
			=	
			Issued by:	/s/ Neil Proudman
Issued: November 15, 2022			THE	Neil Proudman
Nevember 19, 2021 Effective: November 1, 2022			Title:	President

November 1, 2021

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
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2022 THROUGH APRIL 30, 2023
(Refer to text in Section 16(Q) Firm Transportation Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)	(Col 4)	(Col 2)	(Col 3)		(Col 4)
ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES:							
PROPANE	\$ 920,459			\$ 2,297,840			
LNG	<u>\$ 1,378,925</u>			10,347,463			
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			12,645,303 <u>8.7%</u> \$ 1,100,141			
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%		92,780,984 43,122,920 135,903,904	68.3% <u>31.7%</u> 100.0%		
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	31.7% ×	200,046 =	\$ 63,449	31.7%	x \$ 1,100,141	= \$	349,080
PRIOR (OVER) OR UNDER COLLECTION			(56,511)				72,941
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOME	ERS		\$ 6,938			\$	422,021
PROJECTED FIRM TRANSPORTATION THROUGHPUT			-42,583,790				43,122,920
FIRM TRANSPORTATION COST OF GAS			\$ 0.0002			\$	0.0098
Issued: November 15, 2022 November 19, 2021 Effective: November 1, 2022					Issued by: Title:	Neil	leil Proudman Proudman sident

Authorized by NHPUC Order No. 26,715 dated October 31, 2022 in Docket DG 22-045 Authorized by NHPUC Order No. 26,541 dated October 29, 2021 in Docket DG 21-130

34. ENVIRONMENTAL SURCHARGE - MANUFACTURED PLANTS

Required Annual Environmental Increase 2,351,805 \$983,056 DG 19-145 Audit adjustment of \$1,024,167 amortized over 3 years, approved by Order No. 26,419 in Docket No. DG 20-141 \$341,389 Second one-third of prior period under recoveries (though June 2019) 341,389 \$ 139,028 July 2020 - Jun 2021 Recovery difference between actual and estimate (July 2021 - June 2022) \$89,763 **Environmental Subtotal** 2,832,222 \$1,414,208 Overall Annual Net Increase to Rates \$ 2,832,222 \$1,414,208 Estimated weather normalized firm therms billed for the twelve months ended 10/31/2023-10/31/2022 - sales and transportation 182,829,872 186,338,561 therms MGP Surcharge per therm \$ 0.0155 \$0.0076 per therm

Gasholder and pond at Gas Street, Concord, NH

Required Annual Environmental Increase \$69,514

Estimated weather normalized firm therms billed for the

twelve months ended 10/31/2023-10/31/2022 - sales and transportation 186,338,561 therms

Gasholder and pond at Gas Street, Concord, NH Surcharge per therm

\$0.0004 per therm

Total Environmental Surcharge (excludes Gas Holder per Order No. 26,692 dated September 29, 2022)

\$0.0076 per therm

Dated: November 15, 2022

November 19, 2021

Effective: November 1, 2022

November 1, 2021

Issued by:

/s/ Neil Proudman

Neil Proudman President

Title: Presider

35 RATE CASE EXPENSE AND RECOUPMENT FACTOR CALCULATION

Prior Period Recoupment/Rate Case Expense (Over)/Under Collection, including interest as of October 31, 2022	\$ 72,693 \$ 129,039
Rate Case Expense DG 17-048 Rate Case Expense DG 20-105 Rate Case Expense to Recover as of August 31, 2022	\$ (4,836) \$ (4,836) \$ 848,198 \$ 680,768 \$ 843,361 \$ 675,932
Projected Recoupment/Rate Case Expense Recovery Projected Interest Total Projected Recovery, November 1, 2022 - October 31, 2023	\$ 916,054 \$ 804,971 \$ 21,445 \$ 17,048 \$ 937,499 \$ 822,018
Forecast Throughput (Therms)	186,338,561 186,338,561
RCE Factor (\$/Therm)	\$ 0.0050 \$0.0044
Dated: November 15, 2022	Issued by: /s/ Neil Proudman Neil Proudman
Effective: November 1, 2022	Title: President

36 LOCAL DISTRIBUTION ADJUSTMENT CHARGE CALCULATION

	Local Delivery	Adjustment Charge Calculation
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Local Delivery Adjustment Charge O	Calculation				
			Sales	Transportation	
			Customers	Customers	
Residential Non Heating Rates - R-1					
Energy Efficiency Charge		0.0640			
Demand Side Management Charge		0.0000	0.0040		
Conservation Charge (CCx)		0.0000	0.0640		
Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants — 0.0155		0.0000 0.0076			
Environmental Surcharge (ES)	- 0.0155 -	0.0076	0.0076		
Revenue Decoupling Adjustment Factor (RDAF)	0.0152		0.0076		
Property Tax Adjustment Mechanism (PTAM)	0.0132		0.0000		
Rate Case Expense Factor (RCEF)	0.0074		0.0044		
Gas Assistance Program (GAP)	0.0156		0.0203		
LDAC	0.0678		0.1086	per therm	
Residential Heating Rates - R-3, R-4, R-6, R-7					
Energy Efficiency Charge		0.0640			
Demand Side Management Charge		0.0000			
Conservation Charge (CCx)	_		0.0640		
Relief Holder and pond at Gas Street, Concord, NH		0.0000			
Manufactured Gas Plants		0.0076	_		
Environmental Surcharge (ES)	0.0155		0.0076		
Revenue Decoupling Adjustment Factor (RDAF)	0.0152		0.0000		
Property Tax Adjustment Mechanism (PTAM)	- 0.0142		0.0124		
Rate Case Expense Factor (RCEF)	0.0074		0.0044		
Gas Assistance Program (GAP)	0.0156		0.0203		
LDAC	0.0678		0.1086	per therm	
Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55		0.0400			
Energy Efficiency Charge		0.0426			
Demand Side Management Charge	-	0.0000		0.0400	
Conservation Charge (CCx)			0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH		0.0000			
Manufactured Gas Plants	- 00455 -	0.0076	- 0.0070	0.0070	
Environmental Surcharge (ES)	0.0155		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)			0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)			0.0124	0.0124	
Rate Case Expense Factor (RCEF)	0.0074		0.0044	0.0044	
Gas Assistance Program (GAP) LDAC			0.0203 0.0872	0.0203 0.0872	per therm
LDAC	0.0001		0.0072	0.0072	per trierin
Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56					
Energy Efficiency Charge		0.0426			
Demand Side Management Charge		0.0000			
Conservation Charge (CCx)	_		0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH		0.0000			
Manufactured Gas Plants — 0.0155		0.0076			
Environmental Surcharge (ES)	0.0155		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)	0.0039		0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)	0.0142		0.0124	0.0124	
Rate Case Expense Factor (RCEF)	0.0074		0.0044	0.0044	
Gas Assistance Program (GAP)	0.0156		0.0203	0.0203	
LDAC	0.0991		0.0872	0.0872	per therm
Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57	<u>. G-58</u>				
Energy Efficiency Charge		0.0426			
Demand Side Management Charge	_	0.0000			
Conservation Charge (CCx)			0.0426	0.0426	
Relief Holder and pond at Gas Street, Concord, NH		0.0000			
Manufactured Gas Plants — 0.0155		0.0076			
Environmental Surcharge (ES)	0.0155		0.0076	0.0076	
Revenue Decoupling Adjustment Factor (RDAF)	0.0039		0.0000	0.0000	
Property Tax Adjustment Mechanism (PTAM)	0.0142		0.0124	0.0124	
Rate Case Expense Factor (RCEF)	0.0074		0.0044	0.0044	
Gas Assistance Program (GAP)	<u> 0.0156</u>		0.0203	0.0203	_
LDAC	0.0991		0.0872	0.0872	per therm

/s/ Neil Proudman
Neil Proudman
President November 15, 2022 Issued by: Effective: November 1, 2022 Title:

Issued by:

Title:

/s/ Neil Proudman

Neil Proudman

President

2 ATTACHMENT B

Schedule of Administrative Fees and Charges

Schedule	οf	Administrative	Fees	and	Charges

I.	Supplier Balancing Charge:	\$0.18	\$ 0.21	per MMBtu of Daily Imbalance Volumes")
II.	Capacity Mitigation Fee	15%	15%	of the Proceeds from the Marketing of Capacity for Mitigation.
III.	Peaking Demand Charge	\$ 54.72	\$ 56.69	MMBTU of Peak MDQ
IV. Company Allowance	Company Allowance Calculation (per Schedule 25) Total Sendout - Therms Jul-2020 - Jun-2021 Total Throughput - Therms Jul-2020 - Jun-2021 e Percentage 2022-23 2021-22		 166,126,573 4,251,137	Total Sendout - Therms Jul-2021 - Jun-2022 Total Throughput - Therms Jul-2021 - Jun-2022 Variance (Sendout - Throughput) Variance / Total Sendout

November 15, 2022 Issued: November 19, 2021 Effective: November 1, 2022

November 1, 2021

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3 ATTACHMENT C Capacity Allocators

CAPACITY ALLOCATORS

Rate Class		Pipeline	Storage	Peaking	Total
		69.1%	16.8%	14.1%	
G-41	Low Annual /High Winter Use	71.5%	17.4%	11.0%	100.0%
		76.2%	12.9%	10.9%	
G-51	Low Annual /Low Winter Use	79.5%	12.6%	7.9%	100.0%
		69.1%	16.8%	14.1%	
G-42	Medium Annual / High Winter	71.5%	17.4%	11.0%	100.0%
		76.2%	12.9%	10.9%	
G-52	High Annual / Low Winter Use	79.5%	12.6%	7.9%	100.0%
		69.1%	16.8%	14.1%	
G-43	High Annual / High Winter	71.5%	17.4%	11.0%	100.0%
		76.2%	12.9%	10.9%	
G-53	High Annual / Load Factor < 90%	79.5%	12.6%	7.9%	100.0%
		76.2%	12.9%	10.9%	
G-54	High Annual / Load Factor > 90%	79.5%	12.6%	7.9%	100.0%

Issued: November 15, 2022 November 19, 2021 Effective: November 1, 2022 November 1, 2021

Issued by: /s/ Neil Proudman
Neil Proudman

Title: President

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