REDACTED
SCHEDULE B
Winter 2022/2023 COG Update Filing

LIBERTY UT LITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A L BERTY - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
W NTER PERIOD 2022 – 2023

		PRIOR	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	TOTAL	REFERENCE
	PROPANE COSTS									
1	PROPANE F RM SENDOUT (therms)		[redacted]							Sch. I Col. 138 - Ln 2
2	COMPANY USE (therms)		[redacted]							Sch I Col. M
3	TOTAL PROPANE SENDOUT (therms)		[redacted]							Ln 1 + Ln 2
4	COST PER THERM (WACOG)		$1 6131	$1 6111	$1 6089	$1.6027	$1.6439	$1.5843		Sch F, Col. 2
5	TOTAL CALCULATED COST OF PROPANE		$200,968	$293,029	$377,188	$309,991	$269,521	$149,153	$1,599,850	Ln 3 * Ln 4
6	IND RECT COSTS FROM DG 20-105		$34,688	$34,688	$34,688	$34,688	$34,688	$34,688	$208,129	DG 20-105, Section 11.2 ($206,248 + 1,881)
7	PROPANE ADJUSTMENTS		$0	$0	$0	$0	$0	$0	$0	
8	TOTAL COST OF PROPANE		$235,656	$327,717	$411,876	$344,679	$304,209	$183,841	$1,807,979	Ln 5 + Ln 6 + Ln 7
	CNG COSTS									
9	CNG SENDOUT (therms)		[redacted]							Sch C, Ln 20
10	COST PER THERM (WACOG)		[redacted]							Sch C, Ln 21
11	TOTAL CALCULATED COST OF CNG									Ln 9 * Ln 10
12	CNG DEMAND CHARGES		[redacted]							Sch C, Ln 26
13	INCREMENTAL COSTS WINTER 2021-2022		[redacted]							Sch. O Ln
14	PROJECTED INCREMENTAL COSTS Winter 2022-2023									Sch. N Ln 7 Ln. 25
15	NET INCREMENTAL COSTS									Ln 13 + Ln 14
16	TOTAL CNG COSTS									Ln 11 + Ln 12 + Ln 13 + Ln 14
17	ACCOUNTING ADJUSTMENT		$0	$0	$0	$0	$0	$0	$0	
18	FPO PREMIUM		$344	$516	$661	$546	$459	$264	$2,790	Ln 30 * .02
19	TOTAL COSTS OF GAS		[redacted]							Ln 8 + Ln 16 + Ln 17 + Ln 18
20	RETURN ON INVENTORY		$2,554	$2,554	$2,554	$2,554	$2,554	$2,554	$ 15,323	Company calculation
	REVENUES									
21	BILLED FPO SALES (therms)		0	0	0	0	0	0		
22	COG FPO RATE		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
23	BILLED FPO REVENUE - CURRENT MONTH		$0	$0	$0	$0	$0	$0	$0	
24	BILLED NON-FPO SALES PRIOR MONTH (therms)		0	0	0	0	0	0		
25	COG NON-FPO RATE PRIOR MONTH		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
26	BILLED FPO REVENUE - PRIOR MONTH		$0	$0	$0	$0	$0	$0	$0	
27	BILLED NON-FPO SALES CURRENT MONTH (therms)		138,513	208,215	266,567	220,235	185,001	106,642	1,125,173	Sch. J
28	COG NON-FPO RATE CURRENT MONTH		$2.1216	$2.1216	$2.1216	$2.1216	$2.1216	$2.1216		(Ln 39 + Ln 19 + Ln 20 + Ln 37) / Ln 33
29	BILLED NON-FPO REVENUE - CURRENT MONTH		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,167	Ln 27 * Ln 28
30	BILLED SALES OTHER PRIOR PERIODS		0	0	0	0	0	0		
31	COG OTHER PRIOR PERIODS BLENDED RATE		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
32	BILLED OTHER BLENDED REVENUE - PRIOR PERIODS		$0	$0	$0	$0	$0	$0	$0	
33	TOTAL SALES		138,513	208,215	266,567	220,235	185,001	106,642	1,125,173	Sch. J
34	TOTAL B LLED REVENUES		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,168	Ln 23 + Ln 26 + Ln 29 + Ln 32
35	UNBILLED REVENUES (NET)		$0	$0	$0	$0	$0	$0	$0	
36	TOTAL REVENUES		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,168	Ln 34 + Ln 35
37	(OVER)/UNDER COLLECTION		($10,350)	($47,856)	($70,400)	($50,267)	($28,524)	$80	($11,939)	Ln 19 + Ln 20 - Ln 36
38	INTEREST AMOUNT		$872	$742	$475	$200	$21	($44)	$2,266	Sch. H
39	F NAL (OVER)/UNDER COLLECTION	$195,375	$185,897	$138,784	$68,859	$18,793	($9,710)	($9,673)	($9,673)	Prior Mo Ln 39 + Ln 37 + Ln 38
	FORECASTED (OVER)/UNDER COLLECTION (before rate change)								$ (9,673)	

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23 FIRM RATE SCHEDULES - KEENE CUSTOMERS

II RATE SCHEDULES

	Rates Effective December 1, 2022 - April 30, 2023 Winter Period				Rates Effective May 1, 2023 - October 31, 2023 Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
Residential Non Heating - R-1								
Customer Charge per Month per Meter	$ 15.39			$ 15.39	$ 15.39			$ 15.39
All herms	$ 0.5129	$ 2.1118	$ 0.1086	$ 2.7333	$ 0.5129	$ 1.9203	$ 0.1086	$ 2.5418
Residential Heating - R-3								
Customer Charge per Month per Meter	$ 15.39			$ 15.39	$ 15.39			$ 15.39
Therms in the first block per month at	$ 0.6519	$ 2.1118	$ 0.1086	$ 2.8723	$ 0.6519	$ 1.9203	$ 0.1086	$ 2.6808
Residential Heating - R-4								
Customer Charge per Month per Meter	$ 8.47			$ 8.47	$ 15.39			$ 15.39
Therms in the first block per month at	$ 0.3585	$ 1.1615	$ 0.1086	$ 1.6286	$ 0.6519	$ 1.9203	$ 0.1086	$ 2.6808
Commercial/Industrial - G-41								
Customer Charge per Month per Meter	$ 63.30			$ 63.30	$ 63.30			$ 63.30
Size of he first block	100 Therms				20 Therms			
Therms in the first block per month at	$ 0.5088	$ 2.1118	$ 0.0872	$ 2.7078	$ 0.5088	$ 1.9203	$ 0.0872	$ 2.5163
All herms over he first block per month at	$ 0.3550	$ 2.1118	$ 0.0872	$ 2.5540	$ 0.3550	$ 1.9203	$ 0.0872	$ 2.3625
Commercial/Industrial - G-42								
Customer Charge per Month per Meter	$ 189.84			$ 189.84	$ 189.84			$ 189.84
Size of he first block	1000 Therms				400 Therms			
Therms in the first block per month at	$ 0.4634	$ 2.1118	$ 0.0872	$ 2.6624	$ 0.4634	$ 1.9203	$ 0.0872	$ 2.4709
All herms over he first block per month at	$ 0.3212	$ 2.1118	$ 0.0872	$ 2.5202	$ 0.3212	$ 1.9203	$ 0.0872	$ 2.3287
Commercial/Industrial - G-43								
Customer Charge per Month per Meter	$ 811.98			$ 811.98	$ 811.98			$ 811.98
All herms over he first block per month at	$ 0.2863	$ 2.1118	$ 0.0872	$ 2.4853	$ 0.1441	$ 1.9203	$ 0.0872	$ 2.1516
Commercial/Industrial - G-51								
Customer Charge per Month per Meter	$ 63.38			$ 63.38	$ 63.38			$ 63.38
Size of he first block	100 Therms				100 Therms			
Therms in the first block per month at	$ 0.3070	$ 2.1118	$ 0.0872	$ 2.5060	$ 0.3070	$ 1.9203	$ 0.0872	$ 2.3145
All herms over he first block per month at	$ 0.2084	$ 2.1118	$ 0.0872	$ 2.4074	$ 0.2084	$ 1.9203	$ 0.0872	$ 2.2159
Commercial/Industrial - G-52								
Customer Charge per Month per Meter	$ 189.57			$ 189.57	$ 189.57			$ 189.57
Size of he first block	1000 Therms				1000 Therms			
Therms in the first block per month at	$ 0.2647	$ 2.1118	$ 0.0872	$ 2.4637	$ 0.1978	$ 1.9203	$ 0.0872	$ 2.2053
All herms over he first block per month at	$ 0.1836	$ 2.1118	$ 0.0872	$ 2.3826	$ 0.1219	$ 1.9203	$ 0.0872	$ 2.1294
Commercial/Industrial - G-53								
Customer Charge per Month per Meter	$ 838.52			$ 838.52	$ 838.52			$ 838.52
All herms over he first block per month at	$ 0.1851	$ 2.1118	$ 0.0872	$ 2.3841	$ 0.0968	$ 1.9203	$ 0.0872	$ 2.1043
Commercial/Industrial - G-54								
Customer Charge per Month per Meter	$ 839.19			$ 839.19	$ 839.19			$ 839.19
All herms over he first block per month at	$ 0.0705	$ 2.1118	$ 0.0872	$ 2.2695	$ 0.0409	$ 1.9203	$ 0.0872	$ 2.0484

DATED: November 23, 2022
EFFECTIVE: December 1, 2022

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

32 CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS RATE KEENE CUSTOMERS

Calculation of the Cost of Gas Rate

Period Covered: Winter Period November 1, 2022 through April 30, 2023

Projected Gas Sales - therms			1,125,173
Total Calculated Cost of Gas Sendout			$ 1,965,931
Indirect Costs from DG 20-105			208,129
Return on Inventory			15,323
Interest			2,463
Total Anticipated Cost of Gas Sendout			$ 2,191,846
Add:	Winter 2021-2022 Deficiency Uncollected	$ 192,310	
	Interest	3,065	
Deduct:	Prior Period Excess Collected	$ -	
	Interest	-	
	Prior Period Adjustments and Interest		$ 195,375
Total Anticipated Cost			$ 2,387,221

Cost of Gas Rate	Excluding Gas Assistance Program	Gas Assistance Program
Non-Fixed Price Option Cost of Gas Rate - Beginning Period (per therm)	$ 2.1216	$ 1.1669
Mid Period Adjustment - December 1, 2022	$ (0.0098)	$ (0.0054)
Revised Non-Fixed Price Option Cost of Gas Rate - Effective December 1, 2022	$ 2.1118	$ 1.1615
Fixed Price Option Cost of Gas Rate (per therm) November 2022-April 2023	$ 2.1416	$ 1.1779

Pursuant to tariff section 17(d), the Company may adjust the approved cost of gas rate upward on a monthly basis to the following rate:

Maximum Cost of Gas Rate - Non-Fixed Price Option (per therm)	$ 2.6520	$ 1.4586

REDACTED
SCHEDULE B
Winter 2022/2023 COG Update Filing

LIBERTY UT LITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A L BERTY - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
W NTER PERIOD 2022 – 2023

		PRIOR	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	TOTAL	REFERENCE
	PROPANE COSTS									
1	PROPANE F RM SENDOUT (therms)		[redacted]							Sch. I Col. 138 - Ln 2
2	COMPANY USE (therms)		[redacted]							Sch I Col. M
3	TOTAL PROPANE SENDOUT (therms)		[redacted]							Ln 1 + Ln 2
4	COST PER THERM (WACOG)		$1 6131	$1 6111	$1 6089	$1.6027	$1.6439	$1.5843		Sch F, Col. 2
5	TOTAL CALCULATED COST OF PROPANE		$200,968	$293,029	$377,188	$309,991	$269,521	$149,153	$1,599,850	Ln 3 * Ln 4
6	IND RECT COSTS FROM DG 20-105		$34,688	$34,688	$34,688	$34,688	$34,688	$34,688	$208,129	DG 20-105, Section 11.2 ($206,248 + 1,881)
7	PROPANE ADJUSTMENTS		$0	$0	$0	$0	$0	$0	$0	
8	TOTAL COST OF PROPANE		$235,656	$327,717	$411,876	$344,679	$304,209	$183,841	$1,807,979	Ln 5 + Ln 6 + Ln 7
	CNG COSTS									
9	CNG SENDOUT (therms)		[redacted]							Sch C, Ln 20
10	COST PER THERM (WACOG)		[redacted]							Sch C, Ln 21
11	TOTAL CALCULATED COST OF CNG									Ln 9 * Ln 10
12	CNG DEMAND CHARGES		[redacted]							Sch C, Ln 26
13	INCREMENTAL COSTS WINTER 2021-2022		[redacted]							Sch. O Ln
14	PROJECTED INCREMENTAL COSTS Winter 2022-2023									Sch. N Ln 7 Ln. 25
15	NET INCREMENTAL COSTS									Ln 13 + Ln 14
16	TOTAL CNG COSTS									Ln 11 + Ln 12 + Ln 13 + Ln 14
17	ACCOUNTING ADJUSTMENT		$0	$0	$0	$0	$0	$0	$0	
18	FPO PREMIUM		$344	$516	$661	$546	$459	$264	$2,790	Ln 30 * .02
19	TOTAL COSTS OF GAS		[redacted]							Ln 8 + Ln 16 + Ln 17 + Ln 18
20	RETURN ON INVENTORY		$2,554	$2,554	$2,554	$2,554	$2,554	$2,554	$ 15,323	Company calculation
	REVENUES									
21	BILLED FPO SALES (therms)		0	0	0	0	0	0		
22	COG FPO RATE		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
23	BILLED FPO REVENUE - CURRENT MONTH		$0	$0	$0	$0	$0	$0	$0	
24	BILLED NON-FPO SALES PRIOR MONTH (therms)		0	0	0	0	0	0		
25	COG NON-FPO RATE PRIOR MONTH		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
26	BILLED FPO REVENUE - PRIOR MONTH		$0	$0	$0	$0	$0	$0	$0	
27	BILLED NON-FPO SALES CURRENT MONTH (therms)		138,513	208,215	266,567	220,235	185,001	106,642	1,125,173	Sch. J
28	COG NON-FPO RATE CURRENT MONTH		$2.1216	$2.1216	$2.1216	$2.1216	$2.1216	$2.1216		(Ln 39 + Ln 19 + Ln 20 + Ln 37) / Ln 33
29	BILLED NON-FPO REVENUE - CURRENT MONTH		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,167	Ln 27 * Ln 28
30	BILLED SALES OTHER PRIOR PERIODS		0	0	0	0	0	0		
31	COG OTHER PRIOR PERIODS BLENDED RATE		$0 0000	$0 0000	$0 0000	$0.0000	$0.0000	$0.0000		
32	BILLED OTHER BLENDED REVENUE - PRIOR PERIODS		$0	$0	$0	$0	$0	$0	$0	
33	TOTAL SALES		138,513	208,215	266,567	220,235	185,001	106,642	1,125,173	Sch. J
34	TOTAL B LLED REVENUES		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,168	Ln 23 + Ln 26 + Ln 29 + Ln 32
35	UNBILLED REVENUES (NET)		$0	$0	$0	$0	$0	$0	$0	
36	TOTAL REVENUES		$293,869	$441,749	$565,549	$467,251	$392,498	$226,252	$2,387,168	Ln 34 + Ln 35
37	(OVER)/UNDER COLLECTION		($10,350)	($47,856)	($70,400)	($50,267)	($28,524)	$80	($11,939)	Ln 19 + Ln 20 - Ln 36
38	INTEREST AMOUNT		$872	$742	$475	$200	$21	($44)	$2,266	Sch. H
39	F NAL (OVER)/UNDER COLLECTION	$195,375	$185,897	$138,784	$68,859	$18,793	($9,710)	($9,673)	($9,673)	Prior Mo Ln 39 + Ln 37 + Ln 38

FORECASTED (OVER)/UNDER COLLECTION (before rate change) $ (9,673)

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9	First Revised
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88	~~Nineteenth~~ Twentieth Revised
89	Seventeenth Revised

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23 FIRM RATE SCHEDULES - KEENE CUSTOMERS

II RATE SCHEDULES

	~~Rates Effective November 1, 2022 - April 30, 2023~~ Rates Effective December 1, 2022 - April 30, 2023 Winter Period				Rates Effective May 1, 2023 - October 31, 2023 Summer Period			
	Delivery Charge	Cost of Gas Rate Page 95	LDAC Page 101	Total Rate	Delivery Charge	Cost of Gas Rate Page 92	LDAC Page 101	Total Rate
Residential Non Heating - R-1								
Customer Charge per Month per Meter	$ 15.39			$ 15.39	$ 15.39			$ 15.39
All herms	$ 0.5129	$ 2.1118	$ 0.1086	$ 2.7333	$ 0.5129	$ 1.9203	$ 0.1086	$ 2.5418
		~~$ 2.1216~~		~~$ 2.7431~~				
Residential Heating - R-3								
Customer Charge per Month per Meter	$ 15.39			$ 15.39	$ 15.39			$ 15.39
Therms in the first block per month at	$ 0.6519	$ 2.1118	$ 0.1086	$ 2.8723	$ 0.6519	$ 1.9203	$ 0.1086	$ 2.6808
		~~$ 2.1216~~		~~$ 2.8821~~				
Residential Heating - R-4								
Customer Charge per Month per Meter	$ 8.47			$ 8.47	$ 15.39			$ 15.39
Therms in the first block per month at	$ 0.3585	$ 1.1615	$ 0.1086	$ 1.6286	$ 0.6519	$ 1.9203	$ 0.1086	$ 2.6808
		~~$ 1.1669~~		~~$ 1.6340~~				
Commercial/Industrial - G-41								
Customer Charge per Month per Meter	$ 63.30			$ 63.30	$ 63.30			$ 63.30
Size of he first block	100 Therms				20 Therms			
Therms in the first block per month at	$ 0.5088	$ 2.1118	$ 0.0872	$ 2.7078	$ 0.5088	$ 1.9203	$ 0.0872	$ 2.5163
		~~$ 2.1216~~		~~$ 2.7176~~				
All herms over he first block per month at	$ 0.3550	$ 2.1118	$ 0.0872	$ 2.5540	$ 0.3550	$ 1.9203	$ 0.0872	$ 2.3625
		~~$ 2.1216~~		~~$ 2.5638~~				
Commercial/Industrial - G-42								
Customer Charge per Month per Meter	$ 189.84			$ 189.84	$ 189.84			$ 189.84
Size of he first block	1000 Therms				400 Therms			
Therms in the first block per month at	$ 0.4634	$ 2.1118	$ 0.0872	$ 2.6624	$ 0.4634	$ 1.9203	$ 0.0872	$ 2.4709
		~~$ 2.1216~~		~~$ 2.6722~~				
All herms over he first block per month at	$ 0.3212	$ 2.1118	$ 0.0872	$ 2.5202	$ 0.3212	$ 1.9203	$ 0.0872	$ 2.3287
		~~$ 2.1216~~		~~$ 2.5300~~				
Commercial/Industrial - G-43								
Customer Charge per Month per Meter	$ 811.98			$ 811.98	$ 811.98			$ 811.98
All herms over he first block per month at	$ 0.2863	$ 2.1118	$ 0.0872	$ 2.4853	$ 0.1441	$ 1.9203	$ 0.0872	$ 2.1516
		~~$ 2.1216~~		~~$ 2.4951~~				
Commercial/Industrial - G-51								
Customer Charge per Month per Meter	$ 63.38			$ 63.38	$ 63.38			$ 63.38
Size of he first block	100 Therms				100 Therms			
Therms in the first block per month at	$ 0.3070	$ 2.1118	$ 0.0872	$ 2.5060	$ 0.3070	$ 1.9203	$ 0.0872	$ 2.3145
		~~$ 2.1216~~		~~$ 2.5158~~				
All herms over he first block per month at	$ 0.2084	$ 2.1118	$ 0.0872	$ 2.4074	$ 0.2084	$ 1.9203	$ 0.0872	$ 2.2159
		~~$ 2.1216~~		~~$ 2.4172~~				
Commercial/Industrial - G-52								
Customer Charge per Month per Meter	$ 189.57			$ 189.57	$ 189.57			$ 189.57
Size of he first block	1000 Therms				1000 Therms			
Therms in the first block per month at	$ 0.2647	$ 2.1118	$ 0.0872	$ 2.4637	$ 0.1978	$ 1.9203	$ 0.0872	$ 2.2053
		~~$ 2.1216~~		~~$ 2.4735~~				
All herms over he first block per month at	$ 0.1836	$ 2.1118	$ 0.0872	$ 2.3826	$ 0.1219	$ 1.9203	$ 0.0872	$ 2.1294
		~~$ 2.1216~~		~~$ 2.3924~~				
Commercial/Industrial - G-53								
Customer Charge per Month per Meter	$ 838.52			$ 838.52	$ 838.52			$ 838.52
All herms over he first block per month at	$ 0.1851	$ 2.1118	$ 0.0872	$ 2.3841	$ 0.0968	$ 1.9203	$ 0.0872	$ 2.1043
		~~$ 2.1216~~		~~$ 2.3939~~				
Commercial/Industrial - G-54								
Customer Charge per Month per Meter	$ 839.19			$ 839.19	$ 839.19			$ 839.19
All herms over he first block per month at	$ 0.0705	$ 2.1118	$ 0.0872	$ 2.2695	$ 0.0409	$ 1.9203	$ 0.0872	$ 2.0484
		~~$ 2.1216~~		~~$ 2.2793~~				

32 CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS RATE KEENE CUSTOMERS

Calculation of the Cost of Gas Rate

Period Covered: Winter Period November 1, 2022 through April 30, 2023

Projected Gas Sales - therms			1,125,173
Total Calculated Cost of Gas Sendout			$ 1,965,931
Indirect Costs from DG 20-105			208,129
Return on Inventory			15,323
Interest			2,463
Total Anticipated Cost of Gas Sendout			$ 2,191,846
Add:	Winter 2021-2022 Deficiency Uncollected	$ 192,310	
	Interest	3,065	
Deduct:	Prior Period Excess Collected	$ -	
	Interest	-	
	Prior Period Adjustments and Interest		$ 195,375
Total Anticipated Cost			$ 2,387,221

Cost of Gas Rate	Excluding Gas Assistance Program	Gas Assistance Program
Non-Fixed Price Option Cost of Gas Rate - Beginning Period (per therm)	$ 2.1216	$ 1.1669
Mid Period Adjustment - December 1, 2022	$ (0.0098)	$ (0.0054)
Revised Non-Fixed Price Option Cost of Gas Rate - Effective December 1, 2022	$ 2.1118	$ 1.1615
Fixed Price Option Cost of Gas Rate (per therm) November 2022-April 2023	$ 2.1416	$ 1.1779
Pursuant to tariff section 17(d), the Company may adjust the approved cost of gas rate upward on a monthly basis to the following rate:		
Maximum Cost of Gas Rate - Non-Fixed Price Option (per therm)	$ 2.6520	$ 1.4586