

REDACTED

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

COST OF GAS RATE FILING - DOCKET NO. DG 23-xxx

SUMMER PERIOD 2023

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 SCHEDULE A
 SUMMER 2023 COG Filing

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

CONVERSION OF COSTS - GALLONS TO THERMS
 SUMMER PERIOD 2023

	(1)	(2)	(3)	(4)	(5)	(6)
			<u>VOLUMES</u>		<u>UNIT COST</u>	
	<u>UNIT</u>	<u>CONVERSION FACTOR</u>	<u>GALLONS</u>	<u>THERMS</u>	<u>PER GALLON</u>	<u>PER THERM</u>
1 GAS FROM PROPANE INVENTORY	GALLONS	0.91502			\$1.3596	\$1.4859
2 GAS FROM CNG	THERMS	N/A	N/A		N/A	
3 TOTAL				<u>382,961</u>		

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2023

LINE NO.	PRIOR	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	TOTAL	REFERENCE
PROPANE COSTS									
1	PROPANE FIRM SENDOUT (therms)								Sch. I Col. 13 - Ln 8
2	COMPANY USE (therms)								Sch I Col. 11
3	TOTAL PROPANE SENDOUT (therms)								Ln 1 + Ln 2
4	COST PER THERM (WACOG)	\$1,5347	\$1,5110	\$1,4970	\$1,4899	\$1,4273	\$1,4630		Sch F, Col. 3 (Less Sendout)
5	TOTAL CALCULATED COST OF PROPANE	\$87,891	\$64,257	\$61,908	\$60,506	\$64,801	\$117,196	\$456,559	Ln 3 * Ln 4
6	PROPANE ADJUSTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
7	TOTAL COST OF PROPANE	\$87,891	\$64,257	\$61,908	\$60,506	\$64,801	\$117,196	\$456,559	Ln 5 + Ln 6
CNG COSTS									
8	CNG SENDOUT (therms)								Sch C, Ln 20
9	COST PER THERM (WACOG)								Sch C, Ln 23
10	TOTAL CALCULATED COST OF CNG								Ln 8 * Ln 9
11	CNG DEMAND CHARGES								Sch C, Ln 26
12	PROJECTED INCREMENTAL COSTS SUMMER 2023	\$218	\$218	\$218	\$218	\$218	\$218	\$1,309	Sch. N
13	NET INCREMENTAL COSTS	\$218	\$218	\$218	\$218	\$218	\$218	\$1,309	Ln 12
14	TOTAL CNG COSTS								Ln 10 + Ln 11 + Ln 13
15	ACCOUNTING ADJUSTMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
16	FPO PREMIUM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Ln 30 * .02 (N/A for summer period)
17	TOTAL COSTS OF GAS								Ln 7 + Ln 14 + Ln 15 + Ln 16
18	RETURN ON INVENTORY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Company calculation
REVENUES									
19	BILLED FPO SALES (therms)	0	0	0	0	0	0	0	
20	COG FPO RATE	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
21	BILLED FPO REVENUE - CURRENT MONTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
22	BILLED NON-FPO SALES PRIOR MONTH (therms)	0	0	0	0	0	0	0	
23	COG NON-FPO RATE PRIOR MONTH	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
24	BILLED FPO REVENUE - PRIOR MONTH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
25	BILLED NON-FPO SALES CURRENT MONTH (therms)	66,280	49,014	47,418	47,093	52,842	90,985	353,632	Sch. J
26	COG NON-FPO RATE CURRENT MONTH	\$1,4795	\$1,4795	\$1,4795	\$1,4795	\$1,4795	\$1,4795	\$1,4795	(Ln 37 + Ln 17 + Ln 18 + Ln 36) / Ln 25
27	BILLED NON-FPO REVENUE - CURRENT MONTH	\$98,060	\$72,515	\$70,154	\$69,673	\$78,179	\$134,610	\$523,191	Ln 25 * Ln 26
28	BILLED SALES OTHER PRIOR PERIODS	0	0	0	0	0	0	0	
29	COG OTHER PRIOR PERIODS BLENDED RATE	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
30	BILLED OTHER BLENDED REVENUE - PRIOR PERIODS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
31	TOTAL SALES	66,280	49,014	47,418	47,093	52,842	90,985	353,632	Sch. J
32	TOTAL BILLED REVENUES	\$98,060	\$72,515	\$70,154	\$69,673	\$78,179	\$134,610	\$523,191	Ln 21 + Ln 24 + Ln 27 + Ln 30
33	UNBILLED REVENUES (NET)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
34	TOTAL REVENUES	\$98,060	\$72,515	\$70,154	\$69,673	\$78,179	\$134,610	\$523,191	Ln 32 + Ln 33
35	(OVER)/UNDER COLLECTION	\$6,430	\$5,580	\$5,950	\$5,114	\$1,571	\$2,475	\$418	Ln 17 + Ln 18 - Ln 34
36	CUMULATIVE (OVER)/UNDER COLLECTION ELIGIBLE FOR INTEREST	(\$26,705)	(\$20,274)	(\$14,848)	(\$9,010)	(\$3,974)	(\$2,445)	\$10	Prior Mo Ln 36 + Ln 35 + Ln 39
37	PRIME RATE	7.75%	7.75%	7.75%	7.75%	7.75%	7.75%		
38	DAYS PER MONTH	31	30	31	31	30	31		
39	INTEREST AMOUNT	(\$155)	(\$112)	(\$79)	(\$43)	(\$20)	(\$8)	(\$416)	(Prior Mo Ln 36 + Curr Mo Ln 36) / 2 x Ln 37 / 36
40	FINAL CUMULATIVE (OVER)/UNDER COLLECTION WITH INTEREST	(\$20,429)	(\$14,960)	(\$9,088)	(\$4,017)	(\$2,466)	\$2		

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2022 RECONCILIATION

LINE NO.	(1) PRIOR	(2) Actual May-22	(3) Actual Jun-22	(4) Actual Jul-22	(5) Actual Aug-22	(6) Actual Sep-22	(7) Actual Oct-22	(8) Actual Nov-22	(9) Actual Dec-22	(10) Actual Jan-23	(11) Actual Feb-23	(12) Estimate Mar-23	(13) Estimate Apr-23	(14) TOTAL
PROPANE COSTS														
1	[REDACTED]													
2	[REDACTED]													
3	[REDACTED]													
4		\$1,616.4	\$1,653.4	\$1,639.5	\$1,629.6	\$1,581.3	\$1,537.7	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	
5		\$82,525	\$65,339	\$62,236	\$61,479	\$68,081	\$119,762	\$0	\$0	\$0	\$0	\$0	\$0	\$459,422
6		\$1	(\$0)	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2
7		\$82,526	\$65,339	\$62,237	\$61,479	\$68,081	\$119,762	\$0	\$0	\$0	\$0	\$0	\$0	\$459,424
CNG COSTS														
8	[REDACTED]													
9	[REDACTED]													
10	[REDACTED]													
11	[REDACTED]													
12	[REDACTED]													
13	[REDACTED]													
14	[REDACTED]													
15	[REDACTED]													
16	[REDACTED]													
17	[REDACTED]													
18	[REDACTED]													
19	[REDACTED]													
20	[REDACTED]													
21	[REDACTED]													
22	[REDACTED]													
23	[REDACTED]													
24		\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0
25	[REDACTED]													
26		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
REVENUES														
27		0	0	0	0	0	0	0	0	0	0	0	0	0
28		\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0
29		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
30		0	8,515	12,315	12,803	12,654	3,665	0	0	0	0	0	0	49,952
31		\$0,000.0	\$2,483.5	\$1,622.0	\$2,019.8	\$1,833.6	\$2,011.4	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$1,920.3	
32		\$0	\$21,147	\$19,976	\$25,860	\$23,202	\$7,372	\$0	\$0	\$0	\$0	\$0	\$0	\$97,555
33		37,681	35,831	32,777	33,353	33,413	11,821	0	0	0	0	0	0	184,876
34		\$2,483.5	\$1,622.0	\$2,019.8	\$1,833.6	\$2,011.4	\$1,920.3	\$0,000.0	\$0,000.0	\$0,000.0	\$0,000.0	\$1,920.3	\$0,000.0	
35		\$93,580	\$58,118	\$66,204	\$61,156	\$67,207	\$22,700	\$0	\$0	\$0	\$0	\$0	\$0	\$368,964
36		180	0	4	16	(17)	1	4,336	255	90,973	4	0	0	95,752
37		\$1,252.4	\$0,000.0	\$2,482.5	\$1,622.0	\$2,073.2	\$1,833.6	\$1,925.9	\$1,935.5	\$1,939.0	(\$2,157.5)	\$0,000.0	\$0,000.0	
38		\$225	\$0	\$10	\$26	(\$35)	\$2	\$8,351	\$494	\$176,401	(\$9)	\$0	\$0	\$185,464
39		37,860	44,346	45,097	46,172	46,049	15,487	4,336	255	90,973	4	0	0	330,580
40		\$93,805	\$79,265	\$86,189	\$87,042	\$90,373	\$30,074	\$8,351	\$494	\$176,401	(\$9)	\$0	\$0	\$651,983
41		\$5,622	\$14,976	(\$12,755)	\$15,602	(\$23,444)	\$156,861	(\$156,861)	\$0	\$0	\$0	\$0	\$0	\$0
42		\$99,427	\$94,240	\$73,434	\$102,643	\$66,929	\$186,935	(\$148,510)	\$494	\$176,401	(\$9)	\$0	\$0	\$651,983
43		\$19,196	(\$49,784)	\$3,319	(\$25,544)	\$19,628	(\$44,427)	\$150,855	\$1,798	(\$174,109)	\$2,300	\$2,292	\$2,292	(\$92,185)
44		\$63,748	\$82,944	\$33,378	\$36,888	\$11,485	\$31,226	(\$13,104)	\$137,799	\$139,917	(\$33,366)	(\$30,726)	(\$28,625)	(\$26,529)
45		3.50%	4.00%	4.75%	5.50%	5.50%	6.25%	6.25%	7.00%	7.50%	7.75%	7.75%	7.75%	
46		31	30	31	31	30	31	30	31	31	28	31	30	
47		\$218	\$191	\$142	\$113	\$97	\$48	\$320	\$826	\$339	(\$191)	(\$195)	(\$176)	\$1,732
48		\$83,162	\$33,569	\$37,030	\$11,598	\$31,323	(\$13,056)	\$138,119	\$140,743	(\$33,027)	(\$30,917)	(\$28,821)	(\$26,705)	

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SCHEDULE C
SUMMER 2023 COG Filing

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

CALCULATION OF PURCHASED GAS COSTS
SUMMER PERIOD 2023

LINE NO.		May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	TOTAL
1	TOTAL REQUIRED PURCHASES	71,576	53,188	51,694	51,041	57,599	97,863	382,961
2	PROPANE PURCHASE STABILIZATION PLAN DELIVERIES							
3	THERMS	-	-	-	-	-	-	-
4	RATES -							
5	Contract Price	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
6	Broker Fee	incl.	incl.	incl.	incl.	incl.	incl.	
7	Pipeline Fee	incl.	incl.	incl.	incl.	incl.	incl.	
8	PERC Fee	incl.	incl.	incl.	incl.	incl.	incl.	
9	Trucking Fee	incl.	incl.	incl.	incl.	incl.	incl.	
10	COST PER THERM	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
11	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	AMHERST STORAGE PROPANE DELIVERIES							
13	THERMS	-	-	-	-	-	-	-
14	RATES - from Schedule F							
15	WACOG Price	\$0.0000	\$1.6000	\$1.6000	\$1.6000	\$1.6000	\$1.6000	
16	Trucking Fee	\$0.0000	\$0.0650	\$0.0650	\$0.0650	\$0.0650	\$0.0650	
17	COST PER THERM	\$0.0000	\$1.6650	\$1.6650	\$1.6650	\$1.6650	\$1.6650	
18	TOTAL COST - Amherst Storage Propane Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	CNG DELIVERIES							
20	THERMS							
21	RATE							
22								
23	COST PER THERM							
24								
25	COST - CNG							
26	DEMAND FIXED \$110,000 Annual -- 75% Peak							
27	TOTAL CNG							
28	SPOT PURCHASES							
29	THERMS							
30	From Schedule E							
31	COST PER THERM							\$0.2583
32	TOTAL COST - Spot Purchases							
33	OTHER ITEMS							
34	Storage	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	Refund of Deferred Revenue Surcharge over collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0
36	TOTAL OTHER ITEMS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	TOTAL							
38	THERMS FROM PROPANE							
39	COST							
40	THERMS FROM CNG							
41	COST							
42	COST PER THERM	\$1.4024	\$1.4298	\$1.4469	\$1.4501	\$1.4272	\$1.4269	\$1.4285

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SCHEDULE D-1

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

BID PREMIUM FOR PRE-PURCHASED GALLONS - PRIOR YEAR

	Mt. Belvieu Price		Pipeline Rate	Broker + Supplier Fee	PERC		Trucking		Keene Div. Price	Contract Volumes	Keene Div. Cost	Fixed Basis Bid	Plan Price	Contract Volumes	Plan Cost	Cost Premium	Per Gallon Premium
Apr-22	\$1.1712	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.6486	140,000	\$230,801	140,000			-\$0.1122
May-22	\$1.2281	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.7055	105,000	\$179,078	105,000			-\$0.1122
Jun-22	\$1.2414	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.7188	105,000	\$180,469	105,000			-\$0.1122
Jul-22	\$1.1515	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.6289	140,000	\$228,049	140,000			-\$0.1122
Aug-22	\$1.0323	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.5097	105,000	\$158,520	105,000			-\$0.1122
Sep-22	\$1.0203	+	\$0.2579	+	\$0.1000	+	\$0.0050	+	\$0.1145	=	\$1.4977	105,000	\$157,253	105,000			-\$0.1122
Total											700,000	\$1,134,170		700,000			-\$0.1122

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SCHEDULE D-2

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST
WINTER SEASON 2022-2023 TO DATE

Delivery Month	Contract Price (1)	Contract Volumes (2)	Contract Cost (3)	Average Spot Price (4)	Contract Volumes (5)	Hypothetical Spot Cost (6)	Incremental Cost / (Savings) of Plan (7)
			(1) x (2)			(4) x (5)	(3) - (6)
Nov-22		92,000		\$1.2716	92,000		
Dec-22		140,000		\$1.1744	140,000		
Jan-23		165,000		\$1.4860	165,000		
Feb-23		135,000		\$1.3382	135,000		
Total							

13.4%

SCHEDULE D-3

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

PROPANE PURCHASING STABILIZATION PLAN
 PRE-PURCHASES AND DELIVERY SCHEDULE

Delivery Month	Pre-Purchases (Gallons)						
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Total
Nov-23	18,400	13,800	13,800	18,400	13,800	13,800	92,000
Dec-23	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Jan-24	33,000	24,750	24,750	33,000	24,750	24,750	165,000
Feb-24	27,000	20,250	20,250	27,000	20,250	20,250	135,000
Mar-24	21,000	15,750	15,750	21,000	15,750	15,750	105,000
Apr-24	12,600	9,450	9,450	12,600	9,450	9,450	63,000
Total	140,000	105,000	105,000	140,000	105,000	105,000	700,000
Monthly %	20.0%	15.0%	15.0%	20.0%	15.0%	15.0%	

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SCHEDULE E
SUMMER 2023 COG Filing

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

PROPANE SPOT MARKET PURCHASE COST ANALYSIS
SUMMER PERIOD 2023

	(1) Mt. Belvieu	(2) Broker Fee	(3) Pipeline Rate	(4) PERC Fee	(5) Supplier Charge	(6) Cost @ Selkirk	(7) Trucking to Keene	(8) \$ per Gal.	(9) \$ per Therm
1 MAY									
2 JUN									
3 JUL									
4 AUG									
5 SEP									
6 OCT									

1. Propane futures market quotations (cmegroup.com) on 3/7/23 close. See Appendix 1.
2. A generally accepted standard broker fee
3. Pipeline rate from Mt. Belvieu to Selkirk
4. Propane Education Research Council (propanecouncil.org)
5. A generally accepted standard supplier charge
6. Selkirk Cost - all fees plus propane cost
7. Northern Gas Transport trucking rate including diesel fuel surcharge. See Appendix 3A & 3B.
8. Delivered Price per Gallon
9. Delivered Price per therm as converted using per gallon price / .91502

REDACTED
SCHEDULE F
SUMMER 2023 COG Filing

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

INVENTORY & WEIGHTED AVERAGE COST OF GAS CALCULATION
SUMMER PERIOD 2023

LINE NO.		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Rate</u> <u>Gal.</u>	<u>CNG therms</u>	<u>Cost</u>	<u>Total Sendout</u>	<u>Total Cost</u>		<u>Therm Rate</u>
1	May 2023 (Forecasted)										
2	Beginning Balance	77,606	\$122,994	\$1,5849	\$1,4502						
3	Purchases Received	57,271	\$83,994	\$1,4666	\$1,3420						
4	Total Available	134,877	\$206,988	\$1,5346	\$1,4042						
5	Less Sendout	57,271	\$87,891	\$1,5347	\$1,4042						
6	Ending Balance	77,606	\$119,097	\$1,5346	\$1,4042						
7	June 2022 (Forecasted)										
8	Beginning Balance	77,606	\$119,097	\$1,5346	\$1,4042						
9	Purchases Received	42,525	\$62,425	\$1,4680	\$1,3432						
10	Total Available	120,131	\$181,522	\$1,5110	\$1,3826						
11	Less Sendout	42,525	\$64,257	\$1,5110	\$1,3826						
12	Ending Balance	77,606	\$117,265	\$1,5110	\$1,3826						
13	July 2023 (Forecasted)										
14	Beginning Balance	77,606	\$117,265	\$1,5110	\$1,3826						
15	Purchases Received	41,354	\$60,819	\$1,4707	\$1,3457						
16	Total Available	118,960	\$178,085	\$1,4970	\$1,3698						
17	Less Sendout	41,354	\$61,908	\$1,4970	\$1,3698						
18	Ending Balance	77,606	\$116,177	\$1,4970	\$1,3698						
19	August 2023 (Forecasted)										
20	Beginning Balance	77,606	\$116,177	\$1,4970	\$1,3698						
21	Purchases Received	40,612	\$59,950	\$1,4762	\$1,3507						
22	Total Available	118,218	\$176,127	\$1,4899	\$1,3632						
23	Less Sendout	40,612	\$60,506	\$1,4899	\$1,3632						
24	Ending Balance	77,606	\$115,621	\$1,4898	\$1,3632						
25	September 2023 (Forecasted)										
26	Beginning Balance	77,606	\$115,621	\$1,4898	\$1,3632						
27	Purchases Received	45,400	\$59,950	\$1,3205	\$1,2083						
28	Total Available	123,006	\$175,571	\$1,4273	\$1,3060						
29	Less Sendout	45,400	\$64,801	\$1,4273	\$1,3060						
30	Ending Balance	77,606	\$110,770	\$1,4273	\$1,3060						
31	October 2023 (Forecasted)										
32	Beginning Balance	77,606	\$110,770	\$1,4273	\$1,3060						
33	Purchases Received	80,106	\$119,965	\$1,4976	\$1,3703						
34	Total Available	157,712	\$230,735	\$1,4630	\$1,3387						
35	Less Sendout	80,106	\$117,196	\$1,4630	\$1,3387						
36	Ending Balance	77,606	\$113,539	\$1,4630	\$1,3387						
37	AVERAGE WINTER RATE - SENDOUT										

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION														
Weather Normalization - Firm Sendout (Therms)														
Period	Actual Firm Sendout	Base Use	Heat Use	Actual Calendar Month Degree Days	Normal Calendar Month Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normalized Firm Sendout	Actual Company Use	Unaccounted For 2.11%	Total Firm Sendout	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
			(1) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)		(10 - 11) * 2.11%	(10) - (11) + (12)	
1	May-22	66,833	50,180	16,653	250	299	(49)	66.61	3,264	19,917	70,097	2,320	1,479	69,256
2	Jun-22	52,200	50,180	2,020	109	103	6	18.53	(111)	1,909	52,089	2,021	1,099	51,167
3	Jul-22	50,374	50,180	194	10	23	(13)	19.40	252	446	50,626	2,065	1,068	49,629
4	Aug-22	49,986	50,180	0	22	43	(21)	0.00	0	0	49,986	1,878	1,055	49,163
5	Sep-22	58,592	50,180	8,412	262	194	68	32.11	(2,183)	6,229	56,409	2,588	1,190	55,011
6	Oct-22	99,072	50,180	48,892	575	537	38	85.03	(3,231)	45,661	95,841	2,961	2,022	94,902
7														
8	Total	377,057	301,080	76,171	1,228	1,199	29		(2,009)	74,162	375,048	13,833	7,914	369,128

SCHEDULE J
SUMMER 2023 COG Filing

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION											
Weather Normalization - Sales (Therms) - Rate Residential											
Period	Customers	Sales	Base Load	Heating Load	Monthly Actual Degree Days	Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May-22	884	12,109	6,136	5,973	250	299	(49)	23.89	1,171	7,144	13,280
Jun-22	843	6,878	6,136	742	109	103	6	6.81	(41)	701	6,837
Jul-22	862	6,230	6,136	94	10	23	(13)	9.40	122	216	6,352
Aug-22	860	6,042	6,136	0	22	43	(21)	0.00	0	0	6,042
Sep-22	862	8,528	6,136	2,392	262	194	68	9.13	(621)	1,771	7,907
Oct-22	893	19,628	6,136	13,493	575	537	38	23.47	(892)	12,601	18,737
Total		59,414	36,814	22,694	1,228	1,199	29	8.98	(260)	22,434	59,155

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION											
Weather Normalization - Sales (Therms) - Rate Commercial											
Period	Customers	Sales	Base Load	Heating Load	Monthly Actual Degree Days	Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (3)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May-22	323	51,043	41,056	9,987	250	299	(49)	39.95	1,957	11,945	53,000
Jun-22	311	42,243	41,056	1,187	109	103	6	10.89	(65)	1,122	42,177
Jul-22	319	41,060	41,056	4	10	23	(13)	0.44	6	10	41,066
Aug-22	317	41,051	41,056	0	22	43	(21)	0.00	0	0	41,051
Sep-22	318	46,294	41,056	5,239	262	194	68	20.00	(1,360)	3,879	44,935
Oct-22	313	74,455	41,056	33,399	575	537	38	58.09	(2,207)	31,192	72,248
Total		296,146	246,334	49,816	1,228	1,199	29	57.55	(1,669)	48,147	294,477

Summary - Total Summer Season Sales

	Actual 2022	Normalized
May	63,152	66,280
June	49,120	49,014
July	47,290	47,418
August	47,093	47,093
September	54,822	52,842
October	94,083	90,985
Total	355,560	353,632

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION
Typical Residential Heating Bill - Non-Fixed Price Option Program
Forecasted 2023 Summer Period vs. Actual 2022 Summer Period

		(1)	(2)	(3)	(4)	(5)	(6)	(7)			
1											
2		May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct			
3	Typical Usage - therms (1)	21	10	7	7	8	12	65			
4	Residential Heating R-3	May-22-Jul-22	Aug-22	Sep-22-Oct-22							
5	Customer Charge	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34			
6	Delivery Charge: All therms @	\$0.5632	\$0.6337	\$0.6519	\$11.83	\$5.63	\$3.94	\$4.44	\$5.22	\$7.82	\$38.88
7	Base Delivery Revenue Total	\$27.22	\$21.02	\$19.33	\$19.83	\$20.61	\$23.21	\$131.22			
8	COG Rates	\$2.4835	\$1.6220	\$2.0198	\$1.8336	\$2.0114	\$1.9203	\$2.0689			
9	Cost of Gas Total	\$52.15	\$16.22	\$14.14	\$12.84	\$16.09	\$23.04	\$134.48			
10	LDAC Rates	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1317			
11	LDAC Total	\$2.77	\$1.32	\$0.92	\$0.92	\$1.05	\$1.58	\$8.56			
12	Total Bill	\$82	\$39	\$34	\$34	\$38	\$48	\$274			
13											
14		May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct			
15	Typical Usage - therms (1)	21	10	7	7	8	12	65			
16	Residential Heating R-3										
17	Customer Charge	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34			
18	Delivery Charge: All therms @	\$0.6519	\$13.69	\$6.52	\$4.56	\$4.56	\$5.22	\$7.82	\$42.37		
19	Base Delivery Revenue Total	\$29.08	\$21.91	\$19.95	\$19.95	\$20.61	\$23.21	\$134.71			
20	Seasonal Base Delivery Difference from previous year							\$3.49			
21	Seasonal Percent Change from previous year							2.7%			
22	COG Rates	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795			
23	Cost of Gas Total	\$31.07	\$14.79	\$10.36	\$10.36	\$11.84	\$17.75	\$96.17			
24	Seasonal COG Difference from previous year							-\$38.31			
25	Seasonal Percent Change from previous year							-28.5%			
26	LDAC Rates	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1114			
27	LDAC Total	\$2.34	\$1.11	\$0.78	\$0.78	\$0.89	\$1.34	\$7.24			
28	Seasonal LDAC Difference from previous year							-\$1.32			
29	Seasonal Percent Change from previous year							-15.4%			
30	Total Bill	\$62	\$38	\$31	\$31	\$33	\$42	\$238.12			
31	Seasonal Total Bill Difference from previous year							-\$36.14			
32	Seasonal Percent Change from previous year							-13.2%			
33	Seasonal Percent Change resulting from COG							-14.0%			
34	Seasonal Percent Change resulting from LDAC							-0.5%			

35 (1) Residential Heating Typical Usage: Residence using gas for heat, hot water and cooking.

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION
Typical Commercial Bill - Non-Fixed Price Option Program
Forecasted 2023 Summer Period vs. Actual 2022 Summer Period

		(1)	(2)	(3)	(4)	(5)	(6)	(7)
		May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter Nov-Apr
1								
2								
3	Typical Usage - therms	67	30	22	20	27	40	206
4	Commercial G-41							
5	Customer Charge	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36
6	Delivery Charge: First 20 therms @	\$0.4688	\$0.5007	\$0.5088	\$9.38	\$9.38	\$9.38	\$58.51
7	Over 20 therms @	\$0.3149	\$0.3469	\$0.3550	\$14.80	\$3.15	\$0.63	\$28.17
8	Base Delivery Revenue Total	\$81.24	\$69.59	\$67.07	\$67.07	\$69.73	\$74.34	\$429.04
9	COG Rates	\$2.4835	\$1.6220	\$2.0198	\$1.8336	\$2.0114	\$1.9203	\$2.0742
10	Cost of Gas Total	\$166.39	\$48.66	\$44.44	\$36.67	\$54.31	\$76.81	\$427.28
11	LDAC Rates	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
12	LDAC Total	\$6.64	\$2.97	\$2.18	\$1.98	\$2.68	\$3.96	\$20.41
13	Total Bill	\$254	\$121	\$114	\$106	\$127	\$155	\$877
14								
15								
16	Typical Usage - therms	67	30	22	20	27	40	206
17	Commercial G-41							
18	Customer Charge	\$63.30	\$63.30	\$63.30	\$63.30	\$63.30	\$63.30	\$379.80
19	Delivery Charge: First 20 therms @	\$0.5088	\$10.18	\$10.18	\$10.18	\$10.18	\$10.18	\$61.08
20	Over 20 therms @	\$0.3550	\$3.15	\$0.63	\$0.00	\$2.20	\$6.30	\$27.08
21	Base Delivery Revenue Total	\$88.28	\$76.63	\$74.11	\$73.48	\$75.68	\$79.78	\$467.96
22	Seasonal Base Delivery Difference from previous year							\$38.92
23	Seasonal Percent Change from previous year							9.1%
24	COG Rates	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795	\$1.4795
25	Cost of Gas Total	\$99.13	\$44.38	\$32.55	\$29.59	\$39.95	\$59.18	\$304.78
26	Seasonal COG Difference from previous year							-\$122.50
27	Seasonal Percent Change from previous year							-28.7%
28	LDAC Rates	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890
29	LDAC Total	\$5.96	\$2.67	\$1.96	\$1.78	\$2.40	\$3.56	\$18.33
30	Seasonal LDAC Difference from previous year							-\$2.08
31	Seasonal Percent Change from previous year							-10.2%
32	Total Bill	\$193	\$124	\$109	\$105	\$118	\$143	\$791
33	Seasonal Total Bill Difference from previous year							-\$85.66
34	Seasonal Percent Change from previous year							-9.8%
35	Seasonal Percent Change resulting from COG							-14.0%
36	Seasonal Percent Change resulting from LDAC							-0.2%

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION
PROJECTED INCREMENTAL COSTS CNG VS. SPOT PROPANE Summer 2023

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Projected	Projected	Projected	Projected	Projected	Projected	
	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	
1 CNG PURCHASES							
2 CNG Volumes (Schedule C Filing)							
3							
4 CNG Costs (Schedule C Filing)							
5 Total Cost per Actual CNG Costs (Schedule C Filing)							
6							
7 CNG Cost Per Therm Actual							
8							
9 SPOT PROPANE PURCHASES							
10 Spot Propane Volumes (Schedule C Reconciliation)							
11							
12 Total Costs Spot Propane							
13 Total Cost Spot Propane							
14							
15 Spot Propane Cost Per Therm Actual							
16							
17							
18							
19 CNG Volumes							
20 Price difference CNG vs Spot Propane							
21 Adj. for rounding	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.0000
22 Incremental Costs Propane	\$ 4,598	\$ 2,033	\$ 1,229	\$ 1,332	\$ 3,399	\$ 6,921	\$19,511
23							
24							
25							
						50% if CNG higher	2
						Allowed Recoverable Costs \$	19,511

SCHEDULE N
SUMMER 2023 COG Filing

Incremental CNG Supply Costs through October 2022
Amount to be Recovered/(Refunded) Through Keene COG Rates

	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H
1	CNG Increment Cost/Saving Risk Sharing - 50% Shareholder/Ratepayers							
2	Incremental CNG Supply Costs - October 2019 thru October 2022							
3	COG Period	Year	Incremental Cost/(Savings) Amount	Allowed Recoverable Amount from Customers due to Higher/(Lower) CNG vs Propane Costs	Incremental Costs Not Recoverable/D eferred	Incremental Costs not Recovered Balance	(Refund)/Charge	
4	Summer (DG 20-105 Settlement Agr	2019	5,048	2,524	2,524	2,524	(2,524)	Propane Cheaper
5	Summer (DG 20-105 Settlement Agr	2020	16,214	8,107	8,107	10,631	8,107	Propane Cheaper
6	Summer (DG 21-050 Recon)	2021	(13,026)	(10,631)	(2,395)	(1,198)	10,631	CNG Cheaper tha
7	Summer (DG 22-015 Recon)	2022	5,012	2,506	2,506	1,309	(2,506)	Propane Cheaper
8	Summer 2023 projected	2023	(19,511)	(1,309)	(18,203)	(9,101)	1,309	

REDACTED
SCHEDULE O

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. D/B/A LIBERTY - KEENE DIVISION

ACTUAL INCREMENTAL SAVINGS CNG VS. SPOT PROPANE SUMMER 2022

	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22			
CNG PURCHASES									
CNG Volumes (Schedule K Reconciliation)	[REDACTED]								
CNG Costs (Schedule K Reconciliation)	[REDACTED]								
Total Cost per Actual CNG Costs (Schedule K Reconciliation)	[REDACTED]								
CNG Cost Per Therm Actual	[REDACTED]								
SPOT PROPANE PURCHASES									
Spot Propane Volumes (Schedule K Reconciliation)	53,843	44,575	27,398	35,876	54,758	81,584	298,034		
Total Costs Spot Propane	\$ 92,939	\$ 75,670	\$ 44,108	\$ 56,097	\$ 78,635	\$ 117,761	\$ 465,210		
Total Cost Spot Propane	\$ 92,939	\$ 75,670	\$ 44,108	\$ 56,097	\$ 78,635	\$ 117,761	\$ 465,210		
Spot Propane Cost Per Therm Actual	\$ 1.7261	\$ 1.6976	\$ 1.6099	\$ 1.5636	\$ 1.4361	\$ 1.4434			
CNG Volumes	[REDACTED]								
Price difference CNG vs Spot Propane	[REDACTED]								
Adj. for rounding	[REDACTED]							\$0.0000	
Incremental Costs Propane	[REDACTED]							\$5,012	
							Divided by 2	2	
							Allowed Recoverable Costs	\$ 2,506	

APPENDIX 1
SUMMER 2023 COG Filing

MONT BELVIEU PROPANE FUTURES - 3/7/23 CLOSE

MONT BELVIEU LDH PROPANE (OPIS) FUTURES - SETTLEMENTS

TRADE DATE **TUESDAY 07 MAR 2023**

FINAL DATA

Last Updated 08 Mar 2023 12:45:00 PM CT

ESTIMATED VOLUME TOTALS **6,355**

PRIOR DAY OPEN INTEREST TOTALS **137,199**

MONTH	OPEN	HIGH	LOW	LAST	CHANGE	SETTLE	EST. VOLUME	PRIOR DAY
MAR 23	-	-	-	-	-.03096	.87745	0	19,266
APR 23	-	-	-	-	-.03750	.86667	3,306	14,857
MAY 23	-	-	-	-	-.03459	.86458	840	10,063
JUN 23	-	-	-	-	-.03292	.86583	564	9,481
JULY 23	-	-	-	-	-.03209	.86833	329	9,997
AUG 23	-	-	-	-	-.03125	.87333	205	9,773
SEP 23	-	-	-	-	-.02958	.88250	165	8,941
OCT 23	-	-	-	-	-.02833	.89292	257	9,525
NOV 23	-	-	-	-	-.02875	.90083	257	9,761
DEC 23	-	-	-	-	-.02917	.90375	237	10,793
JAN 24	-	-	-	-	-.02958	.90250	35	3,609

ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF 54.64.0 - RATES EFFECTIVE 3/1/2023

RATES (In Cents-per-bbl.)

[1] All rates are increased.

ITEM NO. 135

Non-Incentive Rates for Propane

Destination	Origin		
	Floreffe Junction (Allegheny Co., PA)	Mont Belvieu (Chambers Co., TX)	Tappan Lake (Harrison Co., OH), Todhunter (Butler Co., OH) & Follansbee (Brooke Co., West Virginia)
Coshocton (Coshocton Co., OH)	--	796.08	--
Dexter (Stoddard Co., MO)	--	378.26	--
Du Bois (Clearfield Co., PA)	427.60 (1)(2)	883.77 (1)	427.60 (1)
Fontaine (Green Co., AR)	--	355.36	--
Greensburg (Westmoreland Co., PA)	427.60 (1)(2)	834.05 (1)	427.60 (1)
Harford Mills (Cortland Co., NY)	600.82 (1)	942.62 (1)	625.52 (1)
Lebanon (Boone Co., IN)	--	446.09 (4)	--
Oneonta (Otsego Co., NY)	650.39	1018.54 (1)	671.38 (1)
Princeton (Gibson Co., IN)	--	485.59	--
Schaefferstown (Lebanon Co., PA)	630.46 (2)	952.75	622.11
Selkirk (Albany Co., NY)	705.66	1083.00 (1)	707.50 (1)
Seymour (Jackson Co., IN)	--	423.90	--
Sinking Spring (Berks Co., PA)	630.46 (2)	952.75	622.11
Todhunter Truck Terminal (Butler Co., OH)	--	713.33	--
Watkins Glen (Schuyler Co., NY)	578.31 (1)	894.42 (1)	604.58 (1)
West Memphis (Crittenden Co., AR)	--	378.26 (4)	--
Monee (Will Co., IL)		1604.61 (7)	

Northern Gas Transport, Inc.
Box 106
Lyndonville, VT 05851-0106
1-800-648-1075
FAX: 802-626-5039

February 14, 2023

To: All Customers

Re: Fuel Surcharge Notice

As of Monday February 13, 2023, the Department of Energy New England average price per gallon of diesel fuel was \$5.054. All deliveries invoiced from Sunday, February 19, 2023 through Saturday, February 25, 2023 will be line item assessed at 28.5% fuel surcharge. Thank you and should you have any questions, please contact Renee Young at 1-800-648-1075 extension 221.

Best Regards,

Renee Young
Billing Specialist

APPENDIX 3B
SUMMER 2023 COG Filing

Northern Gas Transport Inc. - Selkirk to Keene

Gallons	Base Rate	Base Charge	Fuel Surcharge Rate	Surcharge	Total Charge	Total Rate Per Gallon
9,200	\$0.0891	\$819.72	1.00%	\$8.20	\$827.92	\$0.0900
9,200	\$0.0891	\$819.72	2.00%	\$16.39	\$836.11	\$0.0909
9,200	\$0.0891	\$819.72	2.50%	\$20.49	\$840.21	\$0.0913
9,200	\$0.0891	\$819.72	3.00%	\$24.59	\$844.31	\$0.0918
9,200	\$0.0891	\$819.72	3.50%	\$28.69	\$848.41	\$0.0922
9,200	\$0.0891	\$819.72	4.00%	\$32.79	\$852.51	\$0.0927
9,200	\$0.0891	\$819.72	4.50%	\$36.89	\$856.61	\$0.0931
9,200	\$0.0891	\$819.72	5.00%	\$40.99	\$860.71	\$0.0936
9,200	\$0.0891	\$819.72	5.50%	\$45.08	\$864.80	\$0.0940
9,200	\$0.0891	\$819.72	6.00%	\$49.18	\$868.90	\$0.0944
9,200	\$0.0891	\$819.72	6.50%	\$53.28	\$873.00	\$0.0949
9,200	\$0.0891	\$819.72	7.00%	\$57.38	\$877.10	\$0.0953
9,200	\$0.0891	\$819.72	7.50%	\$61.48	\$881.20	\$0.0958
9,200	\$0.0891	\$819.72	8.00%	\$65.58	\$885.30	\$0.0962
9,200	\$0.0891	\$819.72	8.50%	\$69.68	\$889.40	\$0.0967
9,200	\$0.0891	\$819.72	9.00%	\$73.77	\$893.49	\$0.0971
9,200	\$0.0891	\$819.72	9.50%	\$77.87	\$897.59	\$0.0976
9,200	\$0.0891	\$819.72	10.00%	\$81.97	\$901.69	\$0.0980
9,200	\$0.0891	\$819.72	10.50%	\$86.07	\$905.79	\$0.0985
9,200	\$0.0891	\$819.72	11.00%	\$90.17	\$909.89	\$0.0989
9,200	\$0.0891	\$819.72	11.50%	\$94.27	\$913.99	\$0.0993
9,200	\$0.0891	\$819.72	12.00%	\$98.37	\$918.09	\$0.0998
9,200	\$0.0891	\$819.72	12.50%	\$102.47	\$922.19	\$0.1002
9,200	\$0.0891	\$819.72	13.00%	\$106.56	\$926.28	\$0.1007
9,200	\$0.0891	\$819.72	13.50%	\$110.66	\$930.38	\$0.1011
9,200	\$0.0891	\$819.72	14.00%	\$114.76	\$934.48	\$0.1016
9,200	\$0.0891	\$819.72	14.50%	\$118.86	\$938.58	\$0.1020
9,200	\$0.0891	\$819.72	15.00%	\$122.96	\$942.68	\$0.1025
9,200	\$0.0891	\$819.72	15.50%	\$127.06	\$946.78	\$0.1029
9,200	\$0.0891	\$819.72	16.00%	\$131.16	\$950.88	\$0.1034
9,200	\$0.0891	\$819.72	16.50%	\$135.25	\$954.97	\$0.1038
9,200	\$0.0891	\$819.72	17.00%	\$139.35	\$959.07	\$0.1042
9,200	\$0.0891	\$819.72	17.50%	\$143.45	\$963.17	\$0.1047
9,200	\$0.0891	\$819.72	18.00%	\$147.55	\$967.27	\$0.1051
9,200	\$0.0891	\$819.72	18.50%	\$151.65	\$971.37	\$0.1056
9,200	\$0.0891	\$819.72	19.00%	\$155.75	\$975.47	\$0.1060
9,200	\$0.0891	\$819.72	19.50%	\$159.85	\$979.57	\$0.1065
9,200	\$0.0891	\$819.72	20.00%	\$163.94	\$983.66	\$0.1069
9,200	\$0.0891	\$819.72	20.50%	\$168.04	\$987.76	\$0.1074
9,200	\$0.0891	\$819.72	21.00%	\$172.14	\$991.86	\$0.1078
9,200	\$0.0891	\$819.72	21.50%	\$176.24	\$995.96	\$0.1083
9,200	\$0.0891	\$819.72	22.00%	\$180.34	\$1,000.06	\$0.1087
9,200	\$0.0891	\$819.72	22.50%	\$184.44	\$1,004.16	\$0.1091
9,200	\$0.0891	\$819.72	23.00%	\$188.54	\$1,008.26	\$0.1096
9,200	\$0.0891	\$819.72	23.50%	\$192.63	\$1,012.35	\$0.1100
9,200	\$0.0891	\$819.72	24.00%	\$196.73	\$1,016.45	\$0.1105
9,200	\$0.0891	\$819.72	24.50%	\$200.83	\$1,020.55	\$0.1109
9,200	\$0.0891	\$819.72	25.00%	\$204.93	\$1,024.65	\$0.1114
9,200	\$0.0891	\$819.72	25.50%	\$209.03	\$1,028.75	\$0.1118
9,200	\$0.0891	\$819.72	26.00%	\$213.13	\$1,032.85	\$0.1123
9,200	\$0.0891	\$819.72	26.50%	\$217.23	\$1,036.95	\$0.1127
9,200	\$0.0891	\$819.72	27.00%	\$221.32	\$1,041.04	\$0.1132
9,200	\$0.0891	\$819.72	27.50%	\$225.42	\$1,045.14	\$0.1136
9,200	\$0.0891	\$819.72	28.00%	\$229.52	\$1,049.24	\$0.1140
9,200	\$0.0891	\$819.72	28.50%	\$233.62	\$1,053.34	\$0.1145
9,200	\$0.0891	\$819.72	29.00%	\$237.72	\$1,057.44	\$0.1149
9,200	\$0.0891	\$819.72	29.50%	\$241.82	\$1,061.54	\$0.1154
9,200	\$0.0891	\$819.72	30.00%	\$245.92	\$1,065.64	\$0.1158
9,200	\$0.0891	\$819.72	30.50%	\$250.01	\$1,069.73	\$0.1163
9,200	\$0.0891	\$819.72	31.00%	\$254.11	\$1,073.83	\$0.1167
9,200	\$0.0891	\$819.72	31.50%	\$258.21	\$1,077.93	\$0.1172
9,200	\$0.0891	\$819.72	32.00%	\$262.31	\$1,082.03	\$0.1176
9,200	\$0.0891	\$819.72	32.50%	\$266.41	\$1,086.13	\$0.1181
9,200	\$0.0891	\$819.72	33.00%	\$270.51	\$1,090.23	\$0.1185
9,200	\$0.0891	\$819.72	33.50%	\$274.61	\$1,094.33	\$0.1189
9,200	\$0.0891	\$819.72	34.00%	\$278.70	\$1,098.42	\$0.1194
9,200	\$0.0891	\$819.72	34.50%	\$282.80	\$1,102.52	\$0.1198
9,200	\$0.0891	\$819.72	35.00%	\$286.90	\$1,106.62	\$0.1203
9,200	\$0.0891	\$819.72	35.50%	\$291.00	\$1,110.72	\$0.1207
9,200	\$0.0891	\$819.72	36.00%	\$295.10	\$1,114.82	\$0.1212
9,200	\$0.0891	\$819.72	36.50%	\$299.20	\$1,118.92	\$0.1216
9,200	\$0.0891	\$819.72	37.00%	\$303.30	\$1,123.02	\$0.1221
9,200	\$0.0891	\$819.72	37.50%	\$307.40	\$1,127.12	\$0.1225
9,200	\$0.0891	\$819.72	38.00%	\$311.49	\$1,131.21	\$0.1230
9,200	\$0.0891	\$819.72	38.50%	\$315.59	\$1,135.31	\$0.1234
9,200	\$0.0891	\$819.72	39.00%	\$319.69	\$1,139.41	\$0.1238
9,200	\$0.0891	\$819.72	39.50%	\$323.79	\$1,143.51	\$0.1243
9,200	\$0.0891	\$819.72	40.00%	\$327.89	\$1,147.61	\$0.1247