

DG 21-050

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty-Keene Division
Summer 2021 Cost of Gas**

Stephen Frink, Director Gas and Water Division

Summary of Staff's Proposed Revisions including

Revised Tariff Page and Revised Schedules

The attached Tariff Page 90 and Schedules B, E, I-2, and K are revised Liberty filings adjusted to remove Keene 2020 summer compressed natural gas (CNG) incremental supply costs and to increase the percentage of annual CNG demand costs allocated to the summer period.

Removing the 2020 Keene Summer CNG incremental supply costs is consistent with the treatment of incremental CNG supply costs approved by the Commission in the Liberty Keene Winter 2020-2021 Cost of Gas Order, Order No. 26,428, at 9-10 (December 2, 2020).

Increasing the percentage of CNG demand costs to be allocated to the summer period, from 20 percent to 25 percent, better reflects actual CNG usage between the summer and winter periods since Liberty began providing CNG service in 2019.

Revised Tariff Page 90 shows the revised COG rate and maximum COG rate.

Schedule B shows the revised calculation of the Keene 2021 Summer COG rate.

Schedule E shows the revised calculation of the Keene 2020 Summer COG rate.

Schedule I-2 shows the revised rate impact.

Schedule K shows the revised Keene 2021 Summer per therm cost of CNG and spot propane purchases.

NHPUC NO. 1 - GAS DELIVERY
LIBERTY UTILITIES - KEENE DIVISION

Fourteenth Revised Page 90
Superseding Thirteenth Revised Page 90

Period Covered: Summer Period May 1, 2021, through October 31, 2021

Projected Gas Sales - therms		311,740
Total Anticipated Cost of Sendout		\$391,712
Add: Prior Period Deficiency Uncollected Interest		\$0
		\$0
Deduct: Prior Period Excess Collected Interest	(\$23,223)	\$18
Prior Period Adjustments and Interest		(\$23,205)
Total Anticipated Cost		<u>\$368,507</u>
Cost of Gas Rate - Beginning Period (per therm)		<u><u>\$1.1821</u></u>

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 (per therm)	<u><u>\$1.4776</u></u>
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Dated: April __, 2019
Effective: May 1, 2019

Issued By: /s/ Susan L. Fleck
Susan L. Fleck
Title: President

LIBERTY UTILITIES - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2021

	(1) PRIOR	(2) May-21	(3) Jun-21	(4) Jul-21	(5) Aug-21	(6) Sep-21	(7) Oct-21	(8) TOTAL
PROPANE COSTS								
1 PROPANE FIRM SENDOUT (therms)								
2 COMPANY USE (therms)								
3 TOTAL PROPANE SENDOUT (therms)								
4 COST PER THERM (WACOG)		\$1.0098	\$1.0882	\$1.1287	\$1.1493	\$1.1646	\$1.1770	
5 TOTAL CALCULATED COST OF PROPANE		\$53,740	\$35,787	\$48,253	\$38,916	\$48,838	\$84,345	\$309,879
6 PROPANE ADJUSTMENTS		\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 TOTAL COST OF PROPANE		\$53,740	\$35,787	\$48,253	\$38,916	\$48,838	\$84,345	\$309,879
CNG COSTS								
7 CNG SENDOUT (therms)								
8 COST PER THERM (WACOG)								
9 TOTAL CALCULATED COST OF CNG								
10 CNG DEMAND CHARGES								
11 CNG ADJUSTMENTS - Demand Charges Aug 2017 - Sep 2019 included in Col. 1, line 31								
12 TOTAL CNG COSTS								
13 ACCOUNTING ADJUSTMENT		\$0	\$0	\$0	\$0	\$0	\$0	\$0
14 FPO PREMIUM		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
15 TOTAL COSTS OF GAS								
16 RETURN ON INVENTORY		\$0	\$0	\$0	\$0	\$0	\$0	\$0
REVENUES								
17 BILLED FPO SALES (therms)		0	0	0	0	0	0	
18 COG FPO RATE		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0
19 BILLED NON-FPO SALES PRIOR MONTH (therms)		0	0	0	0	0	0	
20 COG NON-FPO RATE PRIOR MONTH		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0
21 BILLED NON-FPO SALES CURRENT MONTH (therms)		58,849	40,214	42,759	40,487	48,422	81,009	311,740
22 COG NON-FPO RATE CURRENT MONTH		\$1.1826	\$1.1826	\$1.1826	\$1.1826	\$1.1826	\$1.1826	\$368,649
23 BILLED SALES OTHER PRIOR PERIODS		0	0	0	0	0	0	
24 COG OTHER PRIOR PERIODS BLENDED RATE		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0
25 TOTAL SALES		58,849	40,214	42,759	40,487	48,422	81,009	311,740
26 TOTAL BILLED REVENUES		\$69,592	\$47,555	\$50,565	\$47,878	\$57,262	\$95,797	\$368,649
27 UNBILLED REVENUES (NET)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 TOTAL REVENUES		\$69,592	\$47,555	\$50,565	\$47,878	\$57,262	\$95,797	\$368,649
29 (OVER)/UNDER COLLECTION		(\$2,698)	\$2,603	\$11,675	\$3,873	\$4,034	\$3,806	\$23,294
30 INTEREST AMOUNT			(\$67)	(\$48)	(\$27)	(\$16)	(\$6)	(\$231)
31 FINAL (OVER)/UNDER COLLECTION		(\$23,205)	(\$2,765)	\$2,536	\$11,627	\$3,846	\$4,018	(\$144)

SUBJECT TO CONFIDENTIAL TREATMENT

LIBERTY UTILITIES - KEENE DIVISION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2020

	PRIOR	Actual May-20	Actual Jun-20	Actual Jul-20	Actual Aug-20	Actual Sep-20	Actual Oct-20	TOTAL
PROPANE COSTS								
1	PROPANE FIRM SENDOUT (therms)							
2	COMPANY USE (therms)							
3	TOTAL PROPANE SENDOUT (therms) (line 1 + line 2)							
4	COST PER THERM (WACOG)							
5	TOTAL CALCULATED COST OF PROPANE (line 3 * line 4)							
6	PROPANE ADJUSTMENTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	TOTAL COST OF PROPANE (line 5 + line 6)	\$51,013	\$29,746	\$28,316	\$26,183	\$33,048	\$62,249	\$230,555
CNG COSTS								
8	CNG SENDOUT (therms)							
9	COST PER THERM (WACOG)							
10	TOTAL CALCULATED COST OF CNG (line 8 * line 9)							
11	Less Incremental CNG Supply Costs (Staff DR 1-6) CNG ADJUSTMENTS	(\$2,444)	(\$2,769)	(\$2,732)	(\$3,324)	(\$3,762)	(\$1,183)	\$16,214
12	TOTAL COST OF CNG (line 10 + line 11)							
13	ACCOUNTING ADJUSTMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	TOTAL COSTS OF GAS (line 7 + line 12 + line 13)							
15	FPO PREMIUM	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
16	RETURN ON INVENTORY	\$0	\$0	\$0	\$0	\$0	\$0	\$0
REVENUES								
17	BILLED FPO SALES (therms)	0	0	0	0	0	0	
18	COG FPO RATE	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
19	BILLED FPO SALES (line 17 * line 18)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	BILLED NON-FPO SALES PRIOR MONTH (therms)	0	52,944	26,148	0	0	0	
21	COG NON-FPO RATE PRIOR MONTH	\$0.0000	\$0.6326	\$0.6816	\$0.7908	\$0.0000	\$0.0000	
22	BILLED NON-FPO SALES PRIOR MONTH (line 20 * line 21)	\$0	\$33,492	\$17,822	\$0	\$0	\$0	\$51,315
23	BILLED NON-FPO SALES CURRENT MONTH (therms)	11,545	14,977	32,217	40,730	53,526	59,572	212,567
24	COG NON-FPO RATE CURRENT MONTH	\$0.6326	\$0.6816	\$0.7908	\$0.7908	\$0.7908	\$0.7908	
25	BILLED NON-FPO SALES CURRENT MONTH (line 23 * line 24)	\$7,303	\$10,208	\$25,477	\$32,209	\$42,328	\$47,110	\$164,636
26	BILLED SALES OTHER PRIOR PERIODS	(18,478)	0	140	260	2,926	(2,751)	
27	COG OTHER PRIOR PERIODS BLENDED RATE	\$0.4843	\$0.0000	\$0.6326	\$0.6761	\$0.6612	\$0.6613	
28	BILLED SALES OTHER PRIOR PERIODS (line 26 * line 27)	(\$8,949)	\$0	\$89	\$176	\$1,935	(\$1,819)	(\$8,569)
29	TOTAL SALES (line 17 + line 20 + line 23 + line 26)	(6,933)	67,921	58,505	40,990	56,452	56,821	273,756
30	TOTAL BILLED REVENUES (line 19 + line 22 + line 25 + line 28)	(\$1,646)	\$43,701	\$43,388	\$32,385	\$44,263	\$45,290	\$207,381
31	UNBILLED REVENUES (NET)	\$30,643	(\$16,733)	(\$5,380)	(\$110)	\$3,766	\$18,071	\$30,257
32	TOTAL REVENUES (line 30 + line 31)	\$28,997	\$26,968	\$38,008	\$32,275	\$48,029	\$63,361	\$237,638
33	(OVER)/UNDER COLLECTION (line 14 + Line 15 + line 16 - line 32)	\$28,596	\$7,742	(\$2,566)	\$35,371	(\$8,877)	\$10,313	\$70,580
34	INTEREST AMOUNT	(\$111)	(\$52)	(\$82)	(\$29)	\$17	\$26	(\$232)
35	FINAL (OVER)/UNDER COLLECTION (line 33 + line 34)	(\$71,214)	\$28,485	(\$2,647)	\$35,342	(\$8,860)	\$10,339	(\$865)

SUBJECT TO CONFIDENTIAL TREATMENT

Summer 2020 Audi \$ (30,255.00)
\$ (31,120.29)

SCHEDULE 1-2

LIBERTY UTILITIES - KEENE DIVISION
Typical Residential Heating Bill - Non-Fixed Price Option Program
Forecasted 2021 Summer Period vs. Actual 2020 Summer Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	Winter Nov-Apr	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Summer May-Oct	Total Nov-Oct
12 MONTHS ENDED 10/2020															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
Residential Heating															
Nov-19 - Apr-20															
Winter															
Customer Charge	\$15.20	\$15.20	\$15.20	\$15.20	\$15.20	\$15.20	\$91.20	\$15.20	\$15.20	\$15.50	\$15.50	\$15.50	\$15.50	\$92.40	\$183.60
Delivery Charge:															
All therms @	\$0.5569	\$0.5569	\$0.5678	\$0.5678	\$0.5678	\$0.5678	\$248.93	\$19.43	\$9.96	\$5.22	\$3.80	\$4.08	\$6.35	\$48.84	\$297.77
Base Delivery Revenue Total	\$36.68	\$53.71	\$60.23	\$72.67	\$64.78	\$52.06	\$340.13	\$34.63	\$25.16	\$20.72	\$19.30	\$19.58	\$21.85	\$141.24	\$481.37
Deferred Revenue Surcharge Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenue Surcharge Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COG Rates	0.9492	0.9492	0.9686	0.9352	0.6906	0.4408	0.8227	0.6326	0.6816	0.7908	0.7908	0.7908	0.7908	0.7049	0.8035
Cost of Gas Total	\$36.61	\$65.64	\$78.31	\$96.50	\$61.48	\$29.18	\$367.72	\$22.08	\$12.19	\$7.26	\$5.29	\$5.68	\$8.85	\$61.35	\$429.07
LDAC Rate	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660		\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660	\$0.0660		
LDAC Total	\$2.55	\$4.56	\$5.34	\$6.81	\$5.88	\$4.37	\$29.50	\$2.30	\$1.18	\$0.61	\$0.44	\$0.47	\$0.74	\$5.74	\$35.25
Total Bill	\$76	\$124	\$144	\$176	\$132	\$86	\$737	\$59	\$39	\$29	\$25	\$26	\$31	\$208	\$946
12 MONTHS ENDED 10/2021															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
Residential Heating															
Nov-20 - Apr-21															
Winter															
Customer Charge	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$93.00	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$93.00	\$186.00
Delivery Charge:															
All therms @	\$0.5678	\$0.5678	\$0.5678	\$0.5678	\$0.5678	\$0.5678	\$253.80	\$19.81	\$10.16	\$5.22	\$3.80	\$4.08	\$6.35	\$49.42	\$303.22
Base Delivery Revenue Total	\$37.40	\$54.77	\$61.41	\$74.09	\$66.05	\$53.08	\$346.80	\$35.31	\$25.66	\$20.72	\$19.30	\$19.58	\$21.85	\$142.42	\$489.22
Seasonal Base Delivery Difference from previous year							\$6.67							\$1.18	\$7.85
Seasonal Percent Change from previous year							2.0%							0.8%	1.6%
Deferred Revenue Surcharge Rate	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenue Surcharge Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COG Rates	\$1.0253	\$1.0253	\$0.9970	\$0.9928	\$0.9928	\$0.9928	\$1.0014	\$1.1821	\$1.1821	\$1.1821	\$1.1821	\$1.1821	\$1.1821	\$1.1822	\$1.0309
Cost of Gas Total	\$39.54	\$70.90	\$80.61	\$102.45	\$88.39	\$65.72	\$447.61	\$41.25	\$21.15	\$10.86	\$7.91	\$8.49	\$13.23	\$102.89	\$550.50
LDAC Rate	\$0.0589	\$0.0589	\$0.0589	\$0.0589	\$0.0589	\$0.0589		\$0.0589	\$0.0589	\$0.0589	\$0.0589	\$0.0589	\$0.0589		
LDAC Total	\$2.27	\$4.07	\$4.76	\$6.08	\$5.24	\$3.90	\$26.32	\$2.06	\$1.05	\$0.54	\$0.39	\$0.42	\$0.66	\$5.12	\$31.44
Seasonal COG Difference from previous year							\$79.89							\$41.54	\$121.43
Seasonal Percent Change from previous year							21.7%							67.7%	28.3%
Total Bill	\$79	\$130	\$147	\$183	\$160	\$123	\$821	\$79	\$48	\$32	\$28	\$28	\$36	\$250	\$1,071
Seasonal Total Bill Difference from previous year							\$83.28							\$42.10	\$125.47
Seasonal Percent Change from previous year							11.3%							20.2%	13.3%
Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)							-3.1%							-2.2%	-2.9%
Seasonal Percent Change resulting from COG							10.8%							19.9%	12.8%
Seasonal Percent Change resulting from LDAC							-0.4%							-0.3%	-0.4%

(1) Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.
(2) LDAC was included in Keene distribution rates beginning on 05/01/18, as authorized by NHPUC Order No. 26,122 dated April 27, 2018, in Docket No. DG 17-048

LIBERTY UTILITIES - KEENE DIVISION
CALCULATION OF PURCHASED GAS COSTS
SUMMER PERIOD 2021

LINE NO.		May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	TOTAL
1	TOTAL SENDOUT (therms)	[REDACTED]						
2	CHANGE TO ENDING INVENTORY BALANCE (therms)	-	-	-	-	-	-	-
3	TOTAL REQUIRED PURCHASES (therms)	59,902	40,768	51,532	41,342	49,416	82,641	325,602
4	PROPANE PURCHASE STABILIZATION PLAN DELIVERIES							
5	Therms	-	-	-	-	-	-	-
6	RATES - from Schedule D							
7	Contract Price	\$0.0000	\$0 0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	
8	Broker Fee	incl.	incl.	incl.	incl.	incl.	incl.	
9	Pipeline Fee	incl.	incl.	incl.	incl.	incl.	incl.	
10	PERC Fee	incl.	incl.	incl.	incl.	incl.	incl.	
11	Trucking Fee	incl.	incl.	incl.	incl.	incl.	incl.	
12	COST PER GALLON	\$0.0000	\$0 0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	
13	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	AMHERST STORAGE PROPANE DELIVERIES							
15	Therms	-	-	-	-	-	-	-
16	RATES - from Schedule F							
17	WACOG Price	\$0.0000	\$0 0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	
18	Trucking Fee	\$0.0000	\$0 0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	
19	COST PER GALLON	\$0.0000	\$0 0000	\$0.0000	\$0.0000	\$0 0000	\$0.0000	
20	TOTAL COST - Amherst Storage Propane Deliveries	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	CNG DELIVERIES							
22	Therms	[REDACTED]						
23	RATE	[REDACTED]						
24	PRICE	[REDACTED]						
25	COST PER Therm	[REDACTED]						
26	COST - CNG	[REDACTED]						
27	DEMAND FIXED	[REDACTED]						
28	COST PER Therm	[REDACTED]						
29	TOTAL CNG	[REDACTED]						
30	SPOT PURCHASES							
31	Therms	50,602	30,268	40,132	31,242	39,316	69,041	260,602
32	RATES - from Schedule C							
33	Mont Belvieu	[REDACTED]						
34	Broker Fee	[REDACTED]						
35	Pipeline Fee	[REDACTED]						
36	PERC Fee	[REDACTED]						
37	Supplier Charge	[REDACTED]						
38	Trucking Fee	[REDACTED]						
39	COST PER GALLON - Market Quotes	[REDACTED]						
40	COST PER THERM - Market Quotes	[REDACTED]						
41	TOTAL COST - Spot Purchases	[REDACTED]						
42	OTHER ITEMS							
43	Storage - Winter Period 2019-2020	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44	Refund of Deferred Revenue Surcharge over collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	TOTAL OTHER ITEMS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
46	TOTAL							
47	THERMS	59,902	40,768	51,532	41,342	49,416	82,641	325,602
48	SENDOUT THERMS	59,902	40,768	51,532	41,342	49,416	82,641	325,602
49	COST	\$76,308	\$51,073	\$61,734	\$49,950	\$59,163	\$97,275	\$395,501
50	COST PER THERM	\$1.2739	\$1 2528	\$1.1980	\$1.2082	\$1.1972	\$1.1771	\$1 2147

SUBJECT TO CONF DENTIAL TREATMENT

	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21
AGT CITYGATE as of 2/26/2021	2.3443	2 5271	2.5989	2.5206	2.1465	\$2.199
CNG USAGE MMBtu Therms 2 year Average	10,151 50	7,604.00	9,177 50	9,015.50	10,037.50	11,852 00