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**STATE OF NEW HAMPSHIRE  
BEFORE THE  
PUBLIC UTILITIES COMMISSION**

Docket No. DG 21-xxx

Liberty Utilities (EnergyNorth Natural Gas) Corp.  
d/b/a Liberty – Keene Division

Summer 2021 Cost of Gas

**DIRECT TESTIMONY  
OF  
DEBORAH GILBERTSON  
AND  
CATHERINE MCNAMARA**

March 15, 2021



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**I. INTRODUCTION**

**Q. Please state your full names, business addresses, and positions.**

A. (DG) My name is Deborah Gilbertson. My business address is 15 Buttrick Road, Londonderry, New Hampshire. My title is Senior Manager, Energy Procurement.

(CM) My name is Catherine McNamara. My business address is 15 Buttrick Road, Londonderry, New Hampshire. My title is Rates Analyst II, Rates and Regulatory Affairs.

**Q. By whom are you employed?**

A. We are employed by Liberty Utilities Service Corp. (“LUSC”), which provides services to Liberty Utilities (EnergyNorth Natural Gas) Corp. (“Liberty” or “the Company”).

**Q. Please describe your educational background and your business and professional experience.**

A. (DG) I graduated from Bentley College in Waltham, Massachusetts, in 1996 with a Bachelor of Science in Management. In 1997, I was hired by Texas Ohio Gas where I was employed as a Transportation Analyst. In 1999, I joined Reliant Energy as an Operations Analyst. From 2000 to 2003, I was employed by Smart Energy as a Senior Energy Analyst. I joined Keyspan Energy Trading Services in 2004 as a Senior Resource Management Analyst following which I was employed by National Grid from 2008 through 2011 as a Lead Analyst in the Project Management Office. In 2011, I was hired by LUSC as a Natural Gas Scheduler and was promoted to Manager of Retail Choice in

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1 2012. In October 2016, I was promoted to Senior Manager of Energy Procurement. In  
2 this capacity, I provide gas procurement services to Liberty.

3 (CM) I graduated from the University of Massachusetts, Boston, in 1993 with a Bachelor  
4 of Science in Management with a concentration in Accounting. In November 2017, I  
5 joined Liberty as an Analyst in Rates and Regulatory Affairs. Prior to my employment at  
6 LUSC, I was employed by Eversource as a Senior Analyst in Investment Planning from  
7 2015 to 2017. From 2008 to 2015, I was a Supervisor within the Plant Accounting  
8 department. Prior to my position in Plant Accounting, I was a Financial Analyst/General  
9 Ledger System Administrator from 2000 to 2008.

10 **Q. Have you previously testified in regulatory proceedings before the New Hampshire**  
11 **Public Utilities Commission (the “Commission”)?**

12 A. (DG) Yes, I have previously testified before the Commission.

13 (CM) Yes, I have previously testified before the Commission.

14 **Q. What is the purpose of your testimony?**

15 A. The purpose of our testimony is to explain the Company’s proposed cost of gas rates for  
16 its Keene Division for the 2021 Summer (“Off Peak”) Period to be effective beginning  
17 May 1, 2021.

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**II. COST OF GAS FACTOR**

**Q. What is the proposed 2021 summer firm cost of gas rate?**

A. The Company proposes a firm cost of gas rate of \$1.2165 per therm for the Keene Division as shown on proposed Fourteenth Revised Page 90.

**Q. Please explain Fourteenth Revised Page 90.**

A. Fourteenth Revised Page 90 contains the calculation of the Summer 2021 COG rate and summarizes the Company's forecast of gas sales and gas costs. The total anticipated cost of sendout from May 1 through October 31, 2021, is \$386,104. To derive the Total Anticipated Cost of \$386,104, the prior period over-collection of (\$7,009) and the interest of \$150 are subtracted from the anticipated cost of sendout. The Cost of Gas Rate of \$1.2165 per therm is derived by dividing the Total Anticipated Cost of \$379,205 by the projected firm sales volumes of 311,740 therms.

**Q. What are the components of the adjustments to the cost of sendout?**

A. The adjustments to gas costs listed on Fourteenth Revised Page 90 are as follows:

1. Prior Period (Over)/Under Collection	(\$7,009)
2. Interest	<u>\$150</u>
Total Adjustments	<b>(\$6,859)</b>

**Q. How was the cost of spot propane purchases determined in Schedule C?**

A. In the off-peak period, spot prices are estimated using market quotes from local suppliers as well as looking at Mt. Belvieu index pricing and making some assumptions on supplier adders. Schedule C serves as a guide to illustrate the components of the quoted price.

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1 Column 1 shows the Mont Belvieu propane futures quotations as of February 26, 2021.  
2 Subsequent columns show projected broker fees, pipeline fees, Propane Education &  
3 Research Council (PERC) fees, supplier charges and trucking charges, which, when  
4 added to the futures price, estimate the likely components of the quoted price.

5 **Q. How does the proposed average cost of gas rate in this filing compare to the initial**  
6 **cost of gas rate approved by the Commission for the 2020 Summer Period?**

7 A. The cost of gas rate proposed in this filing is \$0.5839 per therm higher than the initial rate  
8 approved by the Commission for the 2020 Summer Period (\$1.2165 vs. \$0.6326).

9 **Q. Why is the average cost of gas rate in this filing \$0.5839 per therm higher than the**  
10 **initial rate approved by the Commission for the 2020 Summer Period?**

11 A. There are two main drivers for the \$0.5839 per therm increase. The first is related to the  
12 prior period over-collection that went from \$81,848 in the 2020 filing to only a \$6,859  
13 over-collection in this filing. This over-collection reduction accounts for \$0.2405 per  
14 therm of the increase. The second is that the propane commodity cost has increased  
15 substantially in comparison to last year at this time. As is customary for summer pricing,  
16 the company polled a couple of the local suppliers for their view on where prices will  
17 likely fall for the upcoming summer. The consensus is that the propane market is very  
18 confusing at this time. Due to the extreme cold in Texas and the Mid-West, last month  
19 there was a run up in values at Mt. Belvieu. Although values have come down  
20 considerably, they are still much higher than last year. Last summer Mt. Belvieu was  
21 averaging 37 cents per gallon as opposed to this upcoming summer which shows Mt.

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1 Belvieu at 79 cents per gallon. This is more than double the price. Schedule C itemizes  
2 the forecasted cost of procuring propane for delivery to Keene.

3 **Q. What was the actual weighted average firm sales cost of gas rate for the 2020 Summer**  
4 **Period?**

5 A. The weighted average cost of gas rate for the 2020 Summer Period was approximately  
6 \$0.7049 per therm. This was determined by applying the actual monthly cost of gas rates  
7 for May through October 2020 to the monthly therm usage of an average residential  
8 heating customer using 87 therms for the six summer period months (see Schedule I-1 or  
9 Schedule I-2, for more details).

10 **Q. Are current CNG demand charges included in this filing?**

11 A. Yes, CNG demand charges are included in Schedule B on line 10. Schedule B, Line 10  
12 includes 20% of the 2021 demand charges. These charges are \$[REDACTED] per month for May  
13 and June 2021. The Company recently signed a new, multi-year contract, which contract  
14 governs the period July–October 2021. The annual demand charge in the new contract is  
15 \$[REDACTED]. This demand contract is allocated 80/20 between winter and summer as  
16 follows: \$[REDACTED] X 20% = \$[REDACTED]. The \$[REDACTED] divided by 6 months is \$[REDACTED] each  
17 month for July–October 2021. Total demand charges included in this filing are \$[REDACTED].

18 **Q. Are any past CNG demand charges that were incurred from August 2017 through**  
19 **2019 included in this filing?**

20 A. No.

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1 **Q. Why are the CNG demand charges incurred from August 2017 through September**  
2 **2019 not included in this filing?**

3 A. In Docket No. DG 20-152, the Company proposed to recover the winter period demand  
4 costs that were incurred from August 2017 through September 2019 over a three-year  
5 period. The Company is awaiting a supplemental order in Docket No. 20-152, on the  
6 allowance of these costs in rates. Pending receipt of that order, the Company opted not to  
7 include those past summer period demand charges at this time.

8 **Q. How would the CNG demand charges for the August 2017 through September 2019,**  
9 **attributable to summer, be calculated?**

10 A. The demand charges for the 26 months are \$[REDACTED] per month for a total of  
11 \$[REDACTED]. The \$[REDACTED] was then divided by three (the Company is proposing to  
12 amortize the cost over three years) to get an annual total of \$[REDACTED]. The current  
13 annual charges are split 80/20 between winter and summer; \$[REDACTED] X 20% total  
14 \$[REDACTED]. The resulting summer period charge is \$[REDACTED], which divided by six  
15 results in a monthly charge of \$[REDACTED].

16 **Q. What is the bill impact if the CNG demand charges from August 2017 through**  
17 **September 2019 were included in this filing?**

18 A. If the \$[REDACTED] in costs were included, the proposed COG rate for summer 2021 would be  
19 \$1.2745 per therm. This is an increase of \$0.0580 from the proposed rate of \$1.2165.



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1   **III.   PRIOR PERIOD RECONCILIATION**

2   **Q.    Has the Company filed its reconciliation of the Summer 2020 Cost of Gas in Docket**  
3   **No. DG 20-041?**

4   A.    Yes. The Company filed its reconciliation of the Summer 2020 Cost of Gas on  
5        December 15, 2020. As of the date of this filing, Audit Staff has not yet concluded the  
6        audit.

7   **Q.    Did the Company include any adjustments in this filing to account for known findings**  
8   **by Audit Staff?**

9   A.    Yes, the Company has one known adjustment at this time. There were \$30,255 of costs  
10       booked to the summer deferral account in 2020 that should have been booked to the  
11       winter deferral account. These charges are the result of the settlement of the marketer's  
12       basis charge dispute with XNG. When the settlement was paid, the entire payment was  
13       booked to the summer deferral account in error; \$30,255 of the total should have been  
14       booked to the winter season.

15   **Q.    Has the Company included any production costs in this filing?**

16   A.    No.

17   **IV.   CUSTOMER BILL IMPACTS**

18   **Q.    What is the estimated impact of the proposed firm sales cost of gas rate on an average**  
19   **customer's seasonal bill as compared to the rates in effect last year?**

20   A.    The bill impact analysis is presented in Schedules I-1 and Schedule I-2 of this filing. The  
21       total bill impact for an average residential customer, for the off-peak season, is an

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1 increase of approximately \$45.08, or 21.6% (see Schedule I-2, column 14, rows 54 and  
2 55, respectively) as compared to the total bill for the 2020 Off-Peak season.

3 **Q. What does the Company plan to do to inform customers about the rate changes?**

4 A. On April 1, 2021, the Company will be posting information regarding this filing on its  
5 website. Once the rates are approved, they will be posted on the website by May 1, 2020.  
6 The May bills will include on-bill messaging along with a bill insert reminding customers  
7 of the new rates, and directing them to the website for more information.

8 **V. PROPANE PURCHASING STABILIZATION PLAN**

9 **Q. What is the Propane Purchasing Stabilization Plan?**

10 A. The Propane Purchasing Stabilization Plan is a strategy the Company undertakes to  
11 provide more stability in the winter COG rate and to facilitate the offering of a Fixed  
12 Price Option. Under this strategy, the Company systematically purchases supply over a  
13 predetermined period. The strategy is intended to provide more price stability rather than  
14 to secure lower prices. The Company believes this strategy should continue.

15 **Q. Has the Company performed any analysis regarding its Propane Purchasing  
16 Stabilization Plan (“Plan”)?**

17 A. Yes. The Company performed two analyses. In Schedule J-1, the Company evaluated  
18 the premium/discount associated with securing the pre-purchased volumes for delivery in  
19 the winter of 2020–2021 relative to securing a floating price at Mont Belvieu. The  
20 comparison reflects the net premium/discount results of the Company’s competitive RFP  
21 process. In Schedule J-2, the Company performed a comparison of propane purchase

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costs under the contract versus representative spot prices had the Company not implemented the Plan. The analysis shows that the cost of the pre-purchased gallons was 34.6% lower than the average representative spot purchase cost for the first four months of the current winter period, reflecting an increase in spot propane prices.

**Q. Has the Company issued a Request for Proposals (“RFP”) to potential suppliers for the 2020–2021 Plan?**

A. Yes. The Company issued the RFP for the 2021–2022 Plan on March 2, 2021. The RFP process was the same as the process used last summer. The RFP was sent to twelve suppliers. Once a winning bidder has been selected, they will be notified.

**Q. Is the Company proposing any changes to the 2020–2021 Plan?**

A. No. The Plan structure specified in the RFP, as detailed on Schedule J-3, has not changed from the design that was used for the previous winter. The Company will purchase 700,000 gallons to maintain a consistent ratio of hedged volumes to expected sales.

**VI. COMPRESSED NATURAL GAS (“CNG”)**

**Q. When does the current CNG contract expire?**

A. The current contract expires on June 30, 2021.

**Q. Has the Company conducted a solicitation process to replace the contract, which will expire in mid-summer?**

A. Yes, the Company sent an RFP to several suppliers in July 2020. The Company received responses from [REDACTED] suppliers. An internal review of the responses was performed and

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1 the Company chose the least cost conforming bid. The Company awarded the new  
2 contract in December 2020 to the incumbent supplier. The new contract begins July 1,  
3 2021.

4 **Q. How does the new CNG contract compare to the existing CNG contract?**

5 A. The new contract has a slightly lower demand charge than the existing contract as well as  
6 a lower adder and marketer basis charge. Additionally, the new contract allows the  
7 Company to choose alternate pricing indices. For example, the Company will have the  
8 option to choose either an [REDACTED] price plus basis or a [REDACTED] price plus basis.  
9 This optionality is expected to reduce costs during peak periods.

10 **Q. How does the CNG per unit pricing compare to the per unit spot propane price?**

11 A. For the upcoming summer period, the projected average cost of propane is \$[REDACTED] per  
12 therm (Schedule K, Line 40) while the projected average cost of CNG is \$[REDACTED] per  
13 therm (Schedule K, Line 28). CNG is projected to be \$[REDACTED] per therm less than the  
14 unit cost of spot propane.

15 **Q. How does the Company plan to recover the demand costs?**

16 A. The demand charge is a fixed charge, which is paid by the Company in twelve monthly  
17 installments, totaling \$[REDACTED]. In July 2021, that annual demand charge will be reduced  
18 to \$[REDACTED]. The Company will allocate the demand charge on a pro-rata basis  
19 proportionate to the percentage of off-peak and peak period loads to total annual load.  
20 For example, the off-peak load percentage to total annual load is approximately 20% and  
21 therefore the expectation is to recover 20% of the demand charge (\$[REDACTED]) (\$[REDACTED])

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1 after July) during the off-peak period, while the remaining 80% (\$ [REDACTED]) (\$ [REDACTED])  
2 after July) is collected during the peak period.

3 **Q. What is the net overall cost difference when comparing the total summer portfolio**  
4 **either with CNG or without CNG?**

5 A. The effect on the overall cost of gas is currently projected to be about 0.005 cents less per  
6 therm with CNG included rather than if spot propane were the only commodity utilized to  
7 serve the portfolio.

8 **Q. Does the Company have plans to expand the CNG beyond the current footprint and**  
9 **if so, when does the Company plan to do this?**

10 A. The Company is in the midst of developing conversion plans and intends to engage Staff  
11 this summer with alternative supply options. Those options will include a straight  
12 propane option and a propane-air option along with a detailed analysis which will allow  
13 the Company to compare the CNG/LNG options against the propane and propane-air  
14 options, both from a safety and financial view.

15 **Q. Does this conclude your testimony?**

16 A. Yes.

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COST OF GAS RATE FILING - DG 21-xxx  
SUMMER PERIOD 2021  
ORIGINAL FILING

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NHPUC No.10 GAS  
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Proposed Thirtieth Revised Page 85  
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	Rates Effective April 1, 2020 – April 30, 2020 Rates Effective February 1, 2021 - April 30, 2021 Winter Period Period				Rates Effective July 1, 2020 – October 31, 2020 Rates Effective May 1, 2021 - October 31, 2021 Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 93</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 90</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b>Residential Non Heating - R-1</b>	\$45.20			\$45.20	\$45.50			\$45.50
Customer Charge per Month per Meter	\$15.50			\$15.50	\$15.50			\$15.50
All therms	\$0.3860	\$0.9928	\$0.0589	\$1.4377	\$0.3860	\$1.2165	\$0.0589	\$1.6614
	\$0.3786	\$0.4408	\$0.0310	\$0.8504	\$0.3860	\$0.7908	\$0.0310	\$1.2078
<b>Residential Heating - R-3</b>	\$45.20			\$45.20	\$45.50			\$45.50
Customer Charge per Month per Meter	\$15.50			\$15.50	\$15.50			\$15.50
All therms over the first block per month at	\$0.5678	\$0.9928	\$0.0589	\$1.6195	\$0.5678	\$1.2165	\$0.0589	\$1.8432
	\$0.5569	\$0.4408	\$0.0310	\$1.0287	\$0.5678	\$0.7908	\$0.0310	\$1.3896
<b>Residential Heating - R-4</b>	\$6.08			\$6.08	\$6.20			\$6.20
Customer Charge per Month per Meter	\$8.53			\$8.53	\$8.53			\$8.53
All therms over the first block per month at	\$0.3123	\$0.5460	\$0.0589	\$0.9172	\$0.3123	\$1.2165	\$0.0589	\$1.5877
	\$0.2228	\$0.4408	\$0.0310	\$0.6946	\$0.2272	\$0.7908	\$0.0310	\$1.0490
<b>Commercial/Industrial - G-41</b>	\$56.36			\$56.36	\$57.46			\$57.46
Customer Charge per Month per Meter	\$57.46			\$57.46	\$57.46			\$57.46
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$0.4711	\$0.9928	\$0.0555	\$1.5194	\$0.4711	\$1.2165	\$0.0555	\$1.7431
	\$0.4624	\$0.4408	\$0.0478	\$0.9507	\$0.4714	\$0.7908	\$0.0478	\$1.3097
All therms over the first block per month at	\$0.3165	\$0.9928	\$0.0555	\$1.3648	\$0.3165	\$1.2165	\$0.0555	\$1.5885
	\$0.3104	\$0.4408	\$0.0478	\$0.7990	\$0.3165	\$0.7908	\$0.0478	\$1.1551
<b>Commercial/Industrial - G-42</b>	\$169.09			\$169.09	\$172.39			\$172.39
Customer Charge per Month per Meter	\$172.39			\$172.39	\$172.39			\$172.39
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$0.4284	\$0.9928	\$0.0555	\$1.4767	\$0.4284	\$1.2165	\$0.0555	\$1.7004
	\$0.4202	\$0.4408	\$0.0478	\$0.9088	\$0.4284	\$0.7908	\$0.0478	\$1.2670
All therms over the first block per month at	\$0.2855	\$0.9928	\$0.0555	\$1.3338	\$0.2855	\$1.2165	\$0.0555	\$1.5575
	\$0.2800	\$0.4408	\$0.0478	\$0.7686	\$0.2855	\$0.7908	\$0.0478	\$1.1241
<b>Commercial/Industrial - G-43</b>	\$725.66			\$725.66	\$739.83			\$739.83
Customer Charge per Month per Meter	\$739.83			\$739.83	\$739.83			\$739.83
All therms over the first block per month at	\$0.2633	\$0.9928	\$0.0555	\$1.3116	\$0.1204	\$1.2165	\$0.0555	\$1.3924
	\$0.2583	\$0.4408	\$0.0478	\$0.7469	\$0.1204	\$0.7908	\$0.0478	\$0.9590
<b>Commercial/Industrial - G-51</b>	\$56.36			\$56.36	\$57.46			\$57.46
Customer Charge per Month per Meter	\$57.46			\$57.46	\$57.46			\$57.46
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$0.2839	\$0.9928	\$0.0555	\$1.3322	\$0.2839	\$1.2165	\$0.0555	\$1.5559
	\$0.2785	\$0.4408	\$0.0478	\$0.7671	\$0.2839	\$0.7908	\$0.0478	\$1.1225
All therms over the first block per month at	\$0.1846	\$0.9928	\$0.0555	\$1.2329	\$0.1846	\$1.2165	\$0.0555	\$1.4566
	\$0.1811	\$0.4408	\$0.0478	\$0.6697	\$0.1846	\$0.7908	\$0.0478	\$1.0232
<b>Commercial/Industrial - G-52</b>	\$169.09			\$169.09	\$172.39			\$172.39
Customer Charge per Month per Meter	\$172.39			\$172.39	\$172.39			\$172.39
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$0.2439	\$0.9928	\$0.0555	\$1.2922	\$0.1767	\$1.2165	\$0.0555	\$1.4487
	\$0.2392	\$0.4408	\$0.0478	\$0.7278	\$0.1767	\$0.7908	\$0.0478	\$1.0153
All therms over the first block per month at	\$0.1624	\$0.9928	\$0.0555	\$1.2107	\$0.1004	\$1.2165	\$0.0555	\$1.3724
	\$0.1593	\$0.4408	\$0.0478	\$0.6479	\$0.1004	\$0.7908	\$0.0478	\$0.9390
<b>Commercial/Industrial - G-53</b>	\$746.81			\$746.81	\$761.39			\$761.39
Customer Charge per Month per Meter	\$761.39			\$761.39	\$761.39			\$761.39
All therms over the first block per month at	\$0.1705	\$0.9928	\$0.0555	\$1.2188	\$0.0818	\$1.2165	\$0.0555	\$1.3538
	\$0.1672	\$0.4408	\$0.0478	\$0.6558	\$0.0818	\$0.7908	\$0.0478	\$0.9204
<b>Commercial/Industrial - G-54</b>	\$746.81			\$746.81	\$761.39			\$761.39
Customer Charge per Month per Meter	\$761.39			\$761.39	\$761.39			\$761.39
All therms over the first block per month at	\$0.0650	\$0.9928	\$0.0555	\$1.1133	\$0.0353	\$1.2165	\$0.0555	\$1.3073
	\$0.0638	\$0.4408	\$0.0478	\$0.5524	\$0.0353	\$0.7908	\$0.0478	\$0.8739

DATED: April XX, 2021  
DATED: January 22, 2021  
EFFECTIVE: May 01, 2021  
EFFECTIVE: February 01, 2021

ISSUED BY: /s/Susan L. Fleck  
Susan L. Fleck  
TITLE: President

Authorized by NHPUC Order No. xx,xxx dated April xx, 2021, in Docket No. DG 21-xxx  
Authorized by NHPUC Order No. 26,351 dated April 30, 2020, in Docket No. DG 20-041



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

Fourteenth Revised Page 90  
Thirteenth Revised Page 90  
Superseding Thirteenth Revised Page 90  
Superseding Twelfth Revised Page 90

# CALCULATION OF THE SUMMER COST OF GAS RATE

Period Covered: ~~Summer Period May 1, 2020, through October 31, 2020~~  
Summer Period May 1, 2021, through October 31, 2021

Projected Gas Sales - therms	283,614	311,740
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Total Anticipated Cost of Sendout	\$252,874	\$386,104
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Add: Prior Period Deficiency Uncollected Interest	\$0	\$0
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Deduct: Prior Period Excess Collected Interest	(\$80,938)	(\$7,009)
	<u>(\$742)</u>	\$150

Prior Period Adjustments and Interest	(\$81,848)	(\$6,859)
---------------------------------------	------------	-----------

Deduct COVID19 reductions deferred until Summer 2021	\$8,391	
--	---------	--

Total Anticipated Cost	<u>\$179,417</u>	<u>\$379,245</u>
------------------------	------------------	------------------

Cost of Gas Rate - Beginning Period (per therm)	\$0.6326	<u>\$1.2165</u>
---	----------	-----------------

Mid Period Adjustment - May 1, 2020	\$0.0000	
-------------------------------------	----------	--

Mid Period Adjustment - June 1, 2020	\$0.0490	
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Mid Period Adjustment - July 1, 2020	\$0.1092	
--------------------------------------	----------	--

Mid Period Adjustment - August 1, 2020	\$0.0000	
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Mid Period Adjustment - September 1, 2020	\$0.0000	
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Mid Period Adjustment - October 1, 2020	\$0.0000	
---	----------	--

Revised Cost of Gas Rate - Effective October 1, 2019 (per therm)	<u>\$0.7908</u>	
--	-----------------	--

Pursuant to tariff section 16 2(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>\$0.7908</u>	<u>\$1.5206</u>
--------------------------------------	-----------------	-----------------

Dated: April XX, 2021  
Dated: ~~June 24, 2020~~  
Effective: May 1, 2021  
Effective: ~~July 1, 2020~~

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

Authorized by NHPUC Order No. xx,xxx dated April xx, 2021, in Docket No. DG 21-xxx  
Authorized by NHPUC Order No. 26,351 dated April 30, 2020, in Docket No. DG 20-041, see complete revised order 26,351 (05/01/20)

REDACTED  
SCHEDULE A

LIBERTY UTILITIES - KEENE DIVISION

CONVERSION OF COSTS - GALLONS TO THERMS  
SUMMER PERIOD 2021

	(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>
GAS FROM INVENTORY	GALLONS	0.91502			\$1.1005	\$1.2027
GAS FROM CNG	THERMS	N/A	N/A		N/A	

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SCHEDULE B

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
<b>PROPANE COSTS</b>								
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
<b>CNG COSTS</b>								
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								
12 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
<b>REVENUES</b>								
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		\$1,2165	\$1,2165	\$1,2165	\$1,2165	\$1,2165	\$1,2165	
		\$71,592	\$48,922	\$52,018	\$49,254	\$58,907	\$98,551	\$379,245
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		\$71,592	\$48,922	\$52,018	\$49,254	\$58,907	\$98,551	\$379,245
27 UNBILLED REVENUES (NET)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
28 TOTAL REVENUES		\$71,592	\$48,922	\$52,018	\$49,254	\$58,907	\$98,551	\$379,245
29 (OVER)/UNDER COLLECTION		(\$5,740)	\$195	\$9,306	\$1,581	\$1,472	\$137	\$6,948
30 INTEREST AMOUNT		(\$26)	(\$34)	(\$21)	(\$6)	(\$2)	\$0	(\$89)
31 FINAL (OVER)/UNDER COLLECTION		(\$6,859)	(\$5,766)	\$161	\$9,285	\$1,575	\$137	\$2

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SCHEDULE C

LIBERTY UTILITIES - KEENE DIVISION  
PROPANE SPOT MARKET PURCHASE COST ANALYSIS  
SUMMER PERIOD 2021

		(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									

NOTE: Summer spot purchases are based on market quotes from local suppliers. The above schedule provides a breakdown of the quote

1. Propane futures market quotations (cmegroup.com) on 2/26/2021 close. See Appendix 1.
2. A generally accepted standard broker fee
3. Summer prices are quoted on a delivered basis with pipeline charges embedded in delivered price
4. Propane Education Research Council (propanecouncil.org)
5. 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

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SCHEDULE D

LIBERTY UTILITIES - KEENE DIVISION

PROPANE INVENTORY & WEIGHTED AVERAGE COST OF PROPANE CALCULATION  
SUMMER PERIOD 2021

LINE NO.		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>CNG therms</u>	<u>Cost</u>	<u>Total Sendout</u> (1)+(5)	<u>Total Cost</u> (2)+(6)	<u>Therm Rate</u> (8) / (7)
1	May 2021 (forecasted)									
2	Beginning Balance	56,067	\$57,600	\$1 0273	\$0.9400					
3	Purchases Received	50,000	\$49,501	\$1 2480	\$1.1420					
4	Total Available	106,067	\$107,101	\$1 0097	\$0.9239					
5	Less Sendout	50,602	\$51,096	\$1 0098	\$0.9239					
6	Ending Balance	55,465	\$56,005	\$1 0097	\$0.9239					
7	June 2021 (forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>					
8	Beginning Balance	55,465	\$56,005	\$1 0097	\$0.9239					
9	Purchases Received	35,000	\$42,438	\$1 2125	\$1.1095					
10	Total Available	90,465	\$98,443	\$1 0882	\$0.9957					
11	Less Sendout	30,268	\$32,938	\$1 0882	\$0.9957					
12	Ending Balance	60,197	\$65,505	\$1 0882	\$0.9957					
13	July 2021 (forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>					
14	Beginning Balance	60,197	\$65,505	\$1 0882	\$0.9957					
15	Purchases Received	40,000	\$47,590	\$1.1898	\$1.0886					
16	Total Available	100,197	\$113,095	\$1.1287	\$1.0328					
17	Less Sendout	40,132	\$45,298	\$1.1287	\$1.0328					
18	Ending Balance	60,065	\$67,797	\$1.1287	\$1.0328					
19	August 2021 (forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>					
20	Beginning Balance	60,065	\$67,797	\$1.1287	\$1.0328					
21	Purchases Received	32,000	\$38,014	\$1.1879	\$1.0870					
22	Total Available	92,065	\$105,811	\$1.1493	\$1.0516					
23	Less Sendout	31,242	\$35,907	\$1.1493	\$1.0516					
24	Ending Balance	60,822	\$69,904	\$1.1493	\$1.0516					
25	September 2021 (forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>					
26	Beginning Balance	60,822	\$69,904	\$1.1493	\$1.0516					
27	Purchases Received	40,000	\$47,517	\$1.1879	\$1.0870					
28	Total Available	100,822	\$117,421	\$1.1646	\$1.0657					
29	Less Sendout	39,316	\$45,789	\$1.1646	\$1.0657					
30	Ending Balance	61,506	\$71,632	\$1.1646	\$1.0657					
31	October 2021 (forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>					
32	Beginning Balance	61,506	\$71,632	\$1.1646	\$1.0657					
33	Purchases Received	70,000	\$83,155	\$1.1879	\$1.0870					
34	Total Available	131,506	\$154,787	\$1.1770	\$1.0770					
35	Less Sendout	69,041	\$81,264	\$1.1770	\$1.0770					
36	Ending Balance	62,465	\$73,523	\$1.1770	\$1.0770					
37	AVERAGE SUMMER RATE - SENDOUT									

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SCHEDULE E

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
<b>PROPANE COSTS</b>								
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
<b>CNG COSTS</b>								
8 CNG SENDOUT (therms)								
9 COST PER THERM (WACOG)								
10 TOTAL CALCULATED COST OF CNG (line 8 * line 9)								
11 CNG ADJUSTMENTS								
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
<b>REVENUES</b>								
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)		\$31,040	\$10,511	\$166	\$38,695	(\$5,115)	\$11,496	\$86,794
34 INTEREST AMOUNT		(\$111)	(\$52)	(\$82)	(\$29)	\$17	\$26	(\$232)
35 FINAL (OVER)/UNDER COLLECTION (line 33 + line 34)	(\$71,214)	\$30,929	\$10,459	\$85	\$38,666	(\$5,098)	\$11,522	\$15,349

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SCHEDULE F

LIBERTY UTILITIES - KEENE DIVISION

INTEREST CALCULATION  
SUMMER PERIOD 2021

LINE NO.	MONTH	(1) BEG. OF MONTH BALANCE	(2) (OVER) UNDER COLLECT	(3) REFUNDS	(4) END OF MONTH BALANCE (COL. 1+2+3)	(5) AVERAGE BALANCE COL. (COL. [1+4]/2)	(6) ANNUAL INTEREST RATE	(7) INTEREST AMOUNT	(8) MONTH END BAL. WITH INTEREST (COL. 4+7)
1	NOV 2020	15,349	\$5,178	\$0	\$20,527	\$17,938	3.25%	48	\$20,575
2	DEC	20,575	636	0	21,211	20,893	3.25%	56	21,267
3	JAN 2021	21,267	2,083	0	23,349	22,308	3.25%	61	23,411
4	FEB	23,411	(30,255)	0	(6,844)	8,283	3.25%	22	(6,822)
5	MAR	(6,822)	0	0	(6,822)	(6,822)	3.25%	(18)	(6,840)
6	APR	(6,840)	0	0	(6,840)	(6,840)	3.25%	(19)	(6,859)
7	MAY	(6,859)	(5,740)	0	(12,599)	(9,729)	3.25%	(26)	(12,625)
8	JUN	(12,625)	195	0	(12,430)	(12,527)	3.25%	(34)	(12,464)
9	JUL	(12,464)	9,306	0	(3,158)	(7,811)	3.25%	(21)	(3,179)
10	AUG	(3,179)	1,581	0	(1,598)	(2,389)	3.25%	(6)	(1,604)
11	SEP	(1,604)	1,472	0	(133)	(868)	3.25%	(2)	(135)
12	OCT	(135)	137	0	2	(66)	3.25%	0	2
13									
14								<u>\$61</u>	

15	=	COL. 1, LINE 1	+	COL. 7, LINES 1 TO 6	
16	=	(7,009)	+	150	= <u>(6,859)</u> @ MAY 1, 2021 (TRANSFER TO SCHEDULE B, LINE 13) (UNLESS ADJUSTMENTS UNDER COLUMN 2 LINES 1-6)

SCHEDULE G

LIBERTY UTILITIES - KEENE DIVISION Weather Normalization - Firm Sendout													
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 0.56%	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)		(11 - 14) * 0.56%	(10) - (11) + (12)
May-20	66,515	43,883	22,632	370	299	71	61.17	(4,343)	18,289	62,172	2,618	348	59,902
Jun-20	42,195	43,883	0	84	104	(20)	0.00	0	0	42,195	1,663	236	40,768
Jul-20	45,001	43,883	1,118	3	24	(21)	372.67	7,826	8,944	52,827	1,591	296	51,532
Aug-20	42,765	43,883	0	61	44	17	0.00	0	0	42,765	1,662	239	41,342
Sep-20	52,189	43,883	8,306	229	195	34	36.27	(1,233)	7,073	50,956	1,825	285	49,416
Oct-20	88,003	43,883	44,120	582	541	41	75.81	(3,108)	41,012	84,895	2,729	475	82,641
Total	336,668	263,298	76,176	1,329	1,207	122		(858)	75,318	335,810	12,088	1,881	325,602



SCHEDULE H

LIBERTY UTILITIES - KEENE DIVISION											
Weather Normalization - Sales Rate Residential											
Period	Calendar Customers	Calendar Sales	Base Load	Heating Load	Calendar Monthly Actual Degree Days	Calendar Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Sales 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-20	924	16,034	6,520	9,514	370	299	71	25.71	(1,826)	7,688	14,208
Jun-20	892	7,739	6,520	1,219	84	104	(20)	14.51	290	1,509	8,029
Jul-20	919	6,841	6,520	321	3	24	(21)		0	321	6,841
Aug-20	912	6,199	6,520	0	61	44	17	0.00	0	0	6,199
Sep-20	887	9,016	6,520	2,496	229	195	34	10.90	(371)	2,126	8,645
Oct-20	927	18,797	6,520	12,278	582	541	41	21.10	(865)	11,413	17,932
Total		64,625	39,118	25,828	1,329	1,207	122	22.71	(2,771)	23,057	61,854

LIBERTY UTILITIES - KEENE DIVISION											
Weather Normalization - Sales Rate Commercial											
Period	Calendar Customers	Calendar Sales	Base Load	Heating Load	Calendar Monthly Actual Degree Days	Calendar Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Sales 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-20	331	46,906	35,103	11,803	370	299	71	31.90	(2,265)	9,538	44,641
Jun-20	318	32,185	35,103	0	84	104	(20)	0.00	0	0	32,185
Jul-20	328	35,918	35,103	815	3	24	(21)		0	815	35,918
Aug-20	330	34,288	35,103	0	61	44	17	0.00	0	0	34,288
Sep-20	319	40,593	35,103	5,490	229	195	34	23.97	(815)	4,675	39,777
Oct-20	334	65,197	35,103	30,094	582	541	41	51.71	(2,120)	27,974	63,077
Total		255,086	210,618	48,201	1,329	1,207	122	42.62	(5,200)	43,001	249,886

Summary - Total Summer Season Sales

	<u>Actual 2020</u>	<u>Normalized</u>
May	62,940	58,849
June	39,924	40,214
July	42,759	42,759
August	40,486	40,487
September	49,609	48,422
October	83,994	81,009
Total	319,711	311,740

SCHEDULE I-1

LIBERTY UTILITIES - KEENE DIVISION  
Typical Residential Heating Bill - 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
<b>12 MONTHS ENDED 10/2020</b>															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
<b>Residential Heating R-3</b>															
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	\$21.48	\$38.51	\$45.03	\$57.47	\$49.58	\$36.86	\$248.93	\$19.43	\$9.96	\$5.22	\$3.80	\$4.08	\$6.35	\$48.84	\$297.77
<b>Base Delivery Revenue Total</b>	<b>\$36.68</b>	<b>\$53.71</b>	<b>\$60.23</b>	<b>\$72.67</b>	<b>\$64.78</b>	<b>\$52.06</b>	<b>\$340.13</b>	<b>\$34.63</b>	<b>\$25.16</b>	<b>\$20.72</b>	<b>\$19.30</b>	<b>\$19.58</b>	<b>\$21.85</b>	<b>\$141.24</b>	<b>\$481.37</b>
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	\$0.0000	\$0.0000	\$0.0000
<b>Deferred Revenue Surcharge Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
COG Rates	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.9692	\$0.6326	\$0.6816	\$0.7908	\$0.7908	\$0.7908	\$0.7908	\$0.7049	\$0.9261
<b>Cost of Gas Total</b>	<b>\$37.38</b>	<b>\$67.03</b>	<b>\$78.36</b>	<b>\$100.01</b>	<b>\$86.29</b>	<b>\$64.15</b>	<b>\$433.22</b>	<b>\$22.08</b>	<b>\$12.19</b>	<b>\$7.26</b>	<b>\$5.29</b>	<b>\$5.68</b>	<b>\$8.85</b>	<b>\$61.35</b>	<b>\$494.57</b>
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	\$0.0660	\$0.0660	\$0.0660
<b>LDAC Total</b>	<b>\$2.55</b>	<b>\$4.56</b>	<b>\$5.34</b>	<b>\$6.81</b>	<b>\$5.88</b>	<b>\$4.37</b>	<b>\$29.50</b>	<b>\$2.30</b>	<b>\$1.18</b>	<b>\$0.61</b>	<b>\$0.44</b>	<b>\$0.47</b>	<b>\$0.74</b>	<b>\$5.74</b>	<b>\$35.25</b>
<b>Total Bill</b>	<b>\$76.61</b>	<b>\$125.30</b>	<b>\$143.93</b>	<b>\$179.49</b>	<b>\$156.95</b>	<b>\$120.58</b>	<b>\$802.85</b>	<b>\$59.01</b>	<b>\$38.53</b>	<b>\$28.59</b>	<b>\$25.03</b>	<b>\$25.73</b>	<b>\$31.44</b>	<b>\$208.33</b>	<b>\$1,011.19</b>
<b>12 MONTHS ENDED 10/2021</b>															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
<b>Residential Heating</b>															
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	\$21.90	\$39.27	\$45.91	\$58.59	\$50.55	\$37.58	\$253.80	\$19.81	\$10.16	\$5.22	\$3.80	\$4.08	\$6.35	\$49.42	\$303.22
<b>Base Delivery Revenue Total</b>	<b>\$37.40</b>	<b>\$54.77</b>	<b>\$61.41</b>	<b>\$74.09</b>	<b>\$66.05</b>	<b>\$53.08</b>	<b>\$346.80</b>	<b>\$35.31</b>	<b>\$25.66</b>	<b>\$20.72</b>	<b>\$19.30</b>	<b>\$19.58</b>	<b>\$21.85</b>	<b>\$142.42</b>	<b>\$489.22</b>
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	\$0.0000	\$0.0000	\$0.0000
<b>Deferred Revenue Surcharge Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
COG Rates	\$1.2300	\$1.0277	\$1.0277	\$1.0277	\$1.0277	\$1.0277	\$1.0452	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2164	\$1.0731
<b>Cost of Gas Total</b>	<b>\$47.44</b>	<b>\$71.07</b>	<b>\$83.09</b>	<b>\$106.05</b>	<b>\$91.50</b>	<b>\$68.03</b>	<b>\$467.18</b>	<b>\$42.45</b>	<b>\$21.76</b>	<b>\$11.17</b>	<b>\$8.14</b>	<b>\$8.74</b>	<b>\$13.61</b>	<b>\$105.87</b>	<b>\$573.05</b>
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	\$0.0589	\$0.0589	\$0.0589
<b>LDAC Total</b>	<b>\$2.27</b>	<b>\$4.07</b>	<b>\$4.76</b>	<b>\$6.08</b>	<b>\$5.24</b>	<b>\$3.90</b>	<b>\$26.32</b>	<b>\$2.06</b>	<b>\$1.05</b>	<b>\$0.54</b>	<b>\$0.39</b>	<b>\$0.42</b>	<b>\$0.66</b>	<b>\$5.12</b>	<b>\$31.44</b>
Seasonal COG Difference from previous year							\$33.96							\$44.52	\$78.48
Seasonal Percent Change from previous year							7.8%							72.6%	15.9%
<b>Total Bill</b>	<b>\$87.11</b>	<b>\$129.91</b>	<b>\$149.26</b>	<b>\$186.22</b>	<b>\$162.79</b>	<b>\$125.01</b>	<b>\$840.30</b>	<b>\$79.82</b>	<b>\$48.47</b>	<b>\$32.43</b>	<b>\$27.83</b>	<b>\$28.74</b>	<b>\$36.12</b>	<b>\$253.41</b>	<b>\$1,093.71</b>
Seasonal Total Bill Difference from previous year							\$37.45							\$45.08	\$82.52
Seasonal Percent Change from previous year							4.7%							21.6%	8.2%
Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)							-2.8%							-2.2%	-2.7%
Seasonal Percent Change resulting from COG							4.2%							21.4%	7.8%
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

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
<b>12 MONTHS ENDED 10/2020</b>															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
<b>Residential Heating</b>															
Nov-19 - Apr-20															
Winter															
May-20 - Jun-20															
Summer															
Jul-20 - Oct-20															
Summer															
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	\$0.5569	\$0.5569	\$0.5569	\$0.5569	\$0.5569	\$248.93	\$19.43	\$9.96	\$5.22	\$3.80	\$4.08	\$6.35	\$48.84	\$297.77
<b>Base Delivery Revenue Total</b>	<b>\$36.68</b>	<b>\$53.71</b>	<b>\$60.23</b>	<b>\$72.67</b>	<b>\$64.78</b>	<b>\$52.06</b>	<b>\$340.13</b>	<b>\$34.63</b>	<b>\$25.16</b>	<b>\$20.72</b>	<b>\$19.30</b>	<b>\$19.58</b>	<b>\$21.85</b>	<b>\$141.24</b>	<b>\$481.37</b>
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		
<b>Deferred Revenue Surcharge Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
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
<b>Cost of Gas Total</b>	<b>\$36.61</b>	<b>\$65.64</b>	<b>\$78.31</b>	<b>\$96.50</b>	<b>\$61.48</b>	<b>\$29.18</b>	<b>\$367.72</b>	<b>\$22.08</b>	<b>\$12.19</b>	<b>\$7.26</b>	<b>\$5.29</b>	<b>\$5.68</b>	<b>\$8.85</b>	<b>\$61.35</b>	<b>\$429.07</b>
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		
<b>LDAC Total</b>	<b>\$2.55</b>	<b>\$4.56</b>	<b>\$5.34</b>	<b>\$6.81</b>	<b>\$5.88</b>	<b>\$4.37</b>	<b>\$29.50</b>	<b>\$2.30</b>	<b>\$1.18</b>	<b>\$0.61</b>	<b>\$0.44</b>	<b>\$0.47</b>	<b>\$0.74</b>	<b>\$5.74</b>	<b>\$35.25</b>
<b>Total Bill</b>	<b>\$76</b>	<b>\$124</b>	<b>\$144</b>	<b>\$176</b>	<b>\$132</b>	<b>\$86</b>	<b>\$737</b>	<b>\$59</b>	<b>\$39</b>	<b>\$29</b>	<b>\$25</b>	<b>\$26</b>	<b>\$31</b>	<b>\$208</b>	<b>\$946</b>
<b>12 MONTHS ENDED 10/2021</b>															
Nov-20															
Dec-20															
Jan-21															
Feb-21															
Mar-21															
Apr-21															
Winter Nov-Apr															
May-21															
Jun-21															
Jul-21															
Aug-21															
Sep-21															
Oct-21															
Summer May-Oct															
Total Nov-Oct															
Typical Usage - therms (1)	39	69	81	103	89	66	447	35	18	9	7	7	11	87	534
<b>Residential Heating</b>															
Nov-20 - Apr-21															
Winter															
May-21 - Oct-21															
Summer															
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	\$0.5678	\$253.80	\$19.81	\$10.16	\$5.22	\$3.80	\$4.08	\$6.35	\$49.42	\$303.22
<b>Base Delivery Revenue Total</b>	<b>\$37.40</b>	<b>\$54.77</b>	<b>\$61.41</b>	<b>\$74.09</b>	<b>\$66.05</b>	<b>\$53.08</b>	<b>\$346.80</b>	<b>\$35.31</b>	<b>\$25.66</b>	<b>\$20.72</b>	<b>\$19.30</b>	<b>\$19.58</b>	<b>\$21.85</b>	<b>\$142.42</b>	<b>\$489.22</b>
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		
<b>Deferred Revenue Surcharge Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
COG Rates	\$1.0253	\$1.0253	\$0.9970	\$0.9928	\$0.9928	\$0.9928	\$1.0014	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2165	\$1.2164	\$1.0364
<b>Cost of Gas Total</b>	<b>\$39.54</b>	<b>\$70.90</b>	<b>\$80.61</b>	<b>\$102.45</b>	<b>\$88.39</b>	<b>\$65.72</b>	<b>\$447.61</b>	<b>\$42.45</b>	<b>\$21.76</b>	<b>\$11.17</b>	<b>\$8.14</b>	<b>\$8.74</b>	<b>\$13.61</b>	<b>\$105.87</b>	<b>\$553.48</b>
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		
<b>LDAC Total</b>	<b>\$2.27</b>	<b>\$4.07</b>	<b>\$4.76</b>	<b>\$6.08</b>	<b>\$5.24</b>	<b>\$3.90</b>	<b>\$26.32</b>	<b>\$2.06</b>	<b>\$1.05</b>	<b>\$0.54</b>	<b>\$0.39</b>	<b>\$0.42</b>	<b>\$0.66</b>	<b>\$5.12</b>	<b>\$31.44</b>
Seasonal COG Difference from previous year							\$79.89							\$44.52	\$124.41
Seasonal Percent Change from previous year							21.7%							72.6%	29.0%
<b>Total Bill</b>	<b>\$79</b>	<b>\$130</b>	<b>\$147</b>	<b>\$183</b>	<b>\$160</b>	<b>\$123</b>	<b>\$821</b>	<b>\$80</b>	<b>\$48</b>	<b>\$32</b>	<b>\$28</b>	<b>\$29</b>	<b>\$36</b>	<b>\$253</b>	<b>\$1,074</b>
Seasonal Total Bill Difference from previous year							\$83.38							\$45.08	\$128.45
Seasonal Percent Change from previous year							11.3%							21.6%	13.6%
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%							21.4%	13.2%
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

REDACTED  
SCHEDULE J-1

LIBERTY UT LITIES - KEENE DIVISION

B D 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-20	0.7699	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2012	140,000	\$168,170			140,000			-\$0.0863
May-20	0.8032	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2345	105,000	\$129,619			105,000			-\$0.0863
Jun-20	0.8627	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2940	105,000	\$135,870			105,000			-\$0.0863
Jul-20	0.8440	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2753	140,000	\$178,545			140,000			-\$0.0863
Aug-20	0.8538	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2851	105,000	\$134,933			105,000			-\$0.0863
Sep-20	0.8253	+	\$0.2410	+	\$0.1000	+	\$0.0045	+	\$0.0858	=	\$1.2566	105,000	\$131,943			105,000			-\$0.0863
Total												700,000	\$879,081			700,000	\$818,685	(\$60,397)	-\$0.0863

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SCHEDULE J-2

LIBERTY UTILITIES - KEENE DIVISION

COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST  
WINTER SEASON 2020-2021 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-20	\$0.8245	92,000	\$75,854	\$0.9154	92,000	\$84,217	(\$8,363)
Dec-20	\$0.8245	140,000	\$115,430	\$1.1208	140,000	\$156,912	(\$41,482)
Jan-21	\$0.8245	165,000	\$136,043	\$1.3220	165,000	\$218,130	(\$82,088)
Feb-21	\$0.8245	135,000	\$111,308	\$1.5669	135,000	\$211,532	(\$100,224)
Total			\$438,634			\$670,790	(\$232,156)
							-34.6%

SCHEDULE J-3

LIBERTY UTILITIES - KEENE DIVISION

PROPANE PURCHASING STABILIZATION PLAN  
PRE-PURCHASES AND DELIVERY SCHEDULE

Delivery Month	Pre-Purchases (Gallons)						
	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Nov-21	18,400	13,800	13,800	18,400	13,800	13,800	92,000
Dec-21	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Jan-22	33,000	24,750	24,750	33,000	24,750	24,750	165,000
Feb-22	27,000	20,250	20,250	27,000	20,250	20,250	135,000
Mar-22	21,000	15,750	15,750	21,000	15,750	15,750	105,000
Apr-22	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%	

REDACTED  
SCHEDULE KLIBERTY UT LITIES - 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)						
2	-	-	-	-	-	-	-
3	59,902	40,768	51,532	41,342	49,416	82,641	325,602
4	<b>PROPANE PURCHASE STABILIZATION PLAN DELIVERIES</b>						
5	-	-	-	-	-	-	-
6	<b>RATES - from Schedule D</b>						
7	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
8	incl.	incl.	incl.	incl.	incl.	incl.	
9	incl.	incl.	incl.	incl.	incl.	incl.	
10	incl.	incl.	incl.	incl.	incl.	incl.	
11	incl.	incl.	incl.	incl.	incl.	incl.	
12	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
13	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	<b>AMHERST STORAGE PROPANE DELIVERIES</b>						
15	-	-	-	-	-	-	-
16	<b>RATES - from Schedule F</b>						
17	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
18	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
19	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
20	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	<b>CNG DELIVERIES</b>						
22							65,000
23							
24							
25							
26							
27							
28							
29							
30	<b>SPOT PURCHASES</b>						
31	50,602	30,268	40,132	31,242	39,316	69,041	260,602
32	<b>RATES - from Schedule C</b>						
33							
34							
35							
36							
37							
38							
39							
40							
41							
42	<b>OTHER ITEMS</b>						
43	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	\$0	\$0	\$0	\$0	\$0	\$0	\$0
46	<b>TOTAL</b>						
47	59,902	40,768	51,532	41,342	49,416	82,641	325,602
48	59,902	40,768	51,532	41,342	49,416	82,641	325,602
49	\$75,266	\$50,031	\$60,817	\$49,033	\$58,246	\$96,358	\$389,751
50	\$1.2565	\$1.2272	\$1.1802	\$1.1860	\$1.1787	\$1.1660	\$1.1970

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APPENDIX 1

REVISED MONT BELVIEU PROPANE FUTURES - 02/26/20 CLOSE

Trade Date: Friday, 26 Feb 2021 (Final)

All market data contained within the CME Group website should be considered as a reference only and should not be used for trading decisions. Settlement prices on instruments without open interest or volume are provided for web users only based on market activity.

MONTH	OPEN	HIGH	LOW	LAST	CHANGE	SETTLE
FEB 21	-	-	-	-	-.00043	.91339
MAR 21	-	-	-	-	-.000875	.94375
APR 21	-	-	-	-	-.000625	.88375
MAY 21	-	-	-	-	-.000563	.83125
JUN 21	-	-	-	-	-.000563	.79875
JULY 21	-	-	-	-	-.000583	.77792
AUG 21	-	-	-	-	-.000625	.77625
SEP 21	-	-	-	-	-.000583	.77625
OCT 21	-	-	-	-	-.000542	.77625



## APPENDIX 2

## ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF 54.58.0 - RATES EFFECTIVE 1/1/2021

<b>RATES (In Cents-per-bbl.)</b> [U] All rates are unchanged.				
ITEM NO. 135 Non-Incentive Rates for Propane				
Destination	Origin			
	Arcadia (Bienville Parish, LA)	Floreffe Junction (Allegheny Co., PA)	Mont Belvieu (Chambers Co., TX)	Tappan Lake (Harrison Co., OH), Todhunter (Butler Co., OH) & Follansbee (Brooke Co., West Virginia)
Arcadia (Bienville Parish, LA)	--	--	243.71	--
Coshocton (Coshocton Co., OH)	696.43	--	743.98	--
Dexter (Stoddard Co., MO)	--	--	353.50	--
Du Bois (Clearfield Co., PA)	779.47 (1)	399.62 (1)(2)	825.94 (1)	399.62 (1)
Fontaine (Green Co., AR)	--	--	332.11	--
Greensburg (Westmoreland Co., PA)	732.98 (1)	399.62 (1)(2)	779.47 (1)	399.62 (1)
Harford Mills (Cortland Co., NY)	--	561.50 (1)	880.93 (1)	584.58 (1)
Lebanon (Boone Co., IN)	--	--	416.90 (4)	--
Oneonta (Otsego Co., NY)	--	607.83	951.89 (1)	627.44 (1)
Princeton (Gibson Co., IN)	419.57	--	453.81	--
Schaefferstown (Lebanon Co., PA)	--	589.20 (2)	890.40	581.39
Selkirk (Albany Co., NY)	--	659.48	1012.12 (1)	661.20 (1)
Seymour (Jackson Co., IN)	--	--	396.15	--
Sinking Spring (Berks Co., PA)	--	589.20 (2)	890.40	581.39
Todhunter Truck Terminal (Butler Co., OH)	619.09	--	666.64	--
Twin Oaks (Delaware Co., PA)	--	725.13 (2) (3)	--	725.13 (3)
Watkins Glen (Schuyler Co., NY)	789.18 (1)	540.46 (1)	835.88 (1)	565.02 (1)
West Memphis (Crittenden Co., AR)	--	--	353.50 (4)	--
Monee (Will Co., IL)	--	--	1499.60 (7)	--

APPENDIX 3A

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

February 23, 2021

To: All Customers

**Re: Fuel Surcharge Notice**

As of Monday, February 22, 2021 the Department of Energy New England average price gallon of diesel fuel was \$2.962. All deliveries invoiced from Sunday, February 28, 2021 through Saturday, March 6, 2021 will be line item assessed at 8.0% fuel surcharge. Thank you and should you have any questions, please contact Susan Noyes at 1-800-648-1075 extension 223.

Best Regards,

APPENDIX 3B

Northern Gas Transport Inc. - Selkirk to Keene

Northern Gas Transport Inc. - Selkirk to Keene

Gallons	BaseRate	BaseCharge	Fuel Surcharge Rat	Surcharge	TotalCharge	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	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