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**REDACTED** 

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

Docket No. DG 21-XXX

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Winter 2021/2022 Cost of Gas–Keene Division

**DIRECT TESTIMONY** 

**OF** 

DEBORAH M. GILBERTSON,

**CATHERINE A. McNAMARA,** 

**AND** 

**DAVID B. SIMEK** 

September 15, 2021



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Winter 2021/2022 Cost of Gas–Keene Division
Direct Testimony of D. Gilbertson, C. McNamara, and D. Simek

1 <b>I.</b>	INTRODUCTION

- 2 Q. Please state your full name, business address, and positions.
- 3 A. (DG) My name is Deborah M. Gilbertson. My business address is 15 Buttrick Road,
- 4 Londonderry, New Hampshire. My title is Senior Manager, Energy Procurement.
- 5 (CM) My name is Catherine A. McNamara. My business address is 15 Buttrick Road,
- 6 Londonderry, New Hampshire. My title is Rates Analyst II, Rates and Regulatory
- 7 Affairs.
- 8 (DS) My name is David B. Simek. My business address is 15 Buttrick Road,
- 9 Londonderry, New Hampshire. My title is Manager, Rates and Regulatory Affairs.
- 10 Q. By whom are you employed?
- 11 A. We are employed by Liberty Utilities Service Corp. ("LUSC"), which provides services
- to Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty ("Liberty" or the
- "Company") and Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty.
- 14 Q. On whose behalf are you testifying?
- 15 A. We are testifying on behalf of Liberty's Keene Division.
- 16 Q. Ms. Gilbertson, please describe your educational background, and your business
- and professional experience.
- 18 A. 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, located in Burlington,

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1		Massachusetts, as an Operations Analyst. From 2000 to 2003, I was employed by Smart
2		Energy as a Senior Energy Analyst. I joined Keyspan Energy Trading Services in 2004
3		as a Senior Resource Management Analyst following which I was employed by National
4		Grid from 2008 through 2011 as a Lead Analyst in the Project Management Office. In
5		2011, I was hired by LUSC as a Natural Gas Scheduler and was promoted to Manager of
6		Retail Choice in 2012. In October 2016, I was promoted to Senior Manager of Energy
7		Procurement. In this capacity, I provide gas procurement services to Liberty.
8	Q.	Ms. McNamara, please describe your educational background, and your business
9		and professional experience.
10	A.	I graduated from the University of Massachusetts, Boston, in 1993 with a Bachelor of
11		Science in Management with a concentration in Accounting. In November 2017, I joined
12		LUSC as an Analyst in Rates and Regulatory Affairs. Prior to my employment at LUSC,
13		I was employed by Eversource as a Senior Analyst in the Investment Planning group
14		from 2015 to 2017. From 2008 to 2015, I was a Supervisor in the Plant Accounting
15		department. Prior to my position in Plant Accounting, I was a Financial Analyst/General
16		Ledger System Administrator within the Accounting group from 2000 to 2008.
17	Q.	Mr. Simek, please describe your educational background, and your business and
18		professional experience.
19	A.	I graduated from Ferris State University in 1993 with a Bachelor of Science in Finance. I
20		received a Master of Science in Finance from Walsh College in 2000. I also received a
21		Master of Business Administration from Walsh College in 2001. In 2006, earned a

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1	Graduate Certificate in Power Systems Management from Worcester Polytechnic
2	Institute. In August 2013, I joined LUSC as a Utility Analyst and I was promoted to
3	Manager, Rates and Regulatory Affairs in August 2017. Prior to my employment at
4	LUSC, I was employed by NSTAR Electric & Gas ("NSTAR") as a Senior Analyst in
5	Energy Supply from 2008 to 2012. Prior to my position in Energy Supply at NSTAR, I
5	was a Senior Financial Analyst with the NSTAR Investment Planning group from 2004
7	to 2008.

- 9 Ms. Gilbertson, Ms. McNamara, and Mr. Simek, have you previously testified in regulatory proceedings before the New Hampshire Public Utilities Commission (the "Commission")?
- 11 A. Yes, we have.
- 12 Q. What is the purpose of your testimony?
- 13 A. The purpose of our testimony is to explain the Company's proposed cost of gas rates for 14 its Keene Division for the 2021/2022 winter (peak) period to be effective beginning 15 November 1, 2021. Our testimony will also address bill comparisons and other items 16 related to the winter period.
- 17 II. WINTER 2021/2022 COST OF GAS FACTOR
- 18 Q. What is the proposed firm winter cost of gas rate?
- 19 A. The Company proposes a firm cost of gas rate of \$1.8741 per therm for the Keene
  20 Division as shown on proposed First Revised Page 97.

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2		Revised Page 97.
3	A.	Proposed First Revised Page 97 contains the calculation of the 2021/2022 Winter Period
4		Cost of Gas Rate ("COG") and summarizes the Company's forecast of propane and
5		compressed natural gas ("CNG") sales and propane and CNG costs. The total anticipated
6		cost of the gas sendout from November 1, 2021, through April 30, 2022, is \$1,976,436.
7		The information presented on the tariff page is supported by Schedules A through J that
8		are described later in this testimony.
9		To derive the Total Anticipated Cost of Gas, the following adjustments have been made:
10		1) The prior period under-collection of \$69,913 is added from the anticipated cost of
11		gas sendout; and
12		2) Interest of \$399 is added to the anticipated cost of gas sendout. Schedule H
13		shows this forecasted interest calculation for the period May 2021 through April
14		2022. Interest is accrued using the monthly prime lending rate as reported by the
15		Federal Reserve Statistical Release of Selected Interest Rates.
16		The Non-Fixed Price Option ("Non-FPO") cost of gas rate of \$1.8741 per therm was
17		calculated by dividing the Total Anticipated Cost of Gas of \$2,046,748 by the Projected
18		Gas Sales of 1,092,113 therms. The Fixed Price Option ("FPO") rate of \$1.8941 per
19		therm was established by adding a \$0.02 per therm premium to the Non-FPO rate.

Please explain the calculation of the Cost of Gas rate on tariff page Proposed First

Q.

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#### 1 Q. Please describe Schedule A.

- 2 A. Schedule A converts the gas volumes and unit costs from gallons to therms. The
- 3 1,145,029 therms represent gas propane sendout as detailed on Schedule B, line 3. The
- blended unit cost of those supplies is \$1.4990 per therm which represents the weighted
- 5 average cost per therm for the winter period gas sendout as detailed on Schedule F, line
- 6 55.

#### 7 Q. What is Schedule B?

- 8 A. Schedule B presents the (over)/under collection calculation for the Winter 2021/2022
- 9 period based on the forecasted volumes, the cost of gas, and applicable interest amounts.
- The forecasted total propane sendout on line 3, plus total CNG sendout on line 8, is the
- sum of the weather normalized 2021/2022 winter period firm sendout and company use.
- The forecasted Firm Sales on line 27 represent weather normalized 2021/2022 winter
- period firm sales. The weather normalization calculations for sendout and sales are found
- in Schedules I and J, respectively.

#### 15 Q. Are CNG demand charges included in this filing?

- 16 A. Yes, CNG demand charges are included in Schedule B on line 11.
- 17 Schedule B, line 11 includes 75% of the 2021/2022 demand charges. These charges are
- per month or for the season and represent the portion attributable to the
- winter period.

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- 1 Q. Are incremental costs for prior winter periods related to the use of CNG vs.
- 2 propane included in this filing?
- 3 A. Yes, prior winter period incremental costs are included at a rate of 50% for the winter of
- 2019/2020 and winter of 2020/2021, per Section 7.1 of the Settlement Agreement in 4
- Docket No. DG 20-105. The calculation can be found on Schedule O. 5
- What prior incremental costs are included in this filing? 6 Q.
- 7 A. Incremental costs of \$66,299 for the winter of 2019/2020 are offset by the removal of
- 50% of the actual incremental costs or \$22,008 for the winter of 2020/2021. The net 8
- 9 incremental costs included in this filing are \$44,291. These items can be found on
- Schedule B, lines 12–13. The incremental costs of \$68,263 reported in the DG 20-105 10
- 11 Settlement Agreement were a combination of actual and projected costs. The actual
- incremental cost calculations can be found on Schedule P. 12
- Q. Are any projected incremental costs included for winter 2021/2022? 13
- No, there are no projected incremental costs included for winter 2021/2022. The 14 A.
- calculated incremental cost was only \$226 and deemed immaterial. This calculation can 15
- be found on Schedule N. 16
- Q. Are unaccounted-for gas volumes included in the filing? 17
- 18 A. Unaccounted-for gas is included in the firm sendout on Schedule B, lines 1 and 8. The
- Company actively monitors its level of unaccounted-for volumes, which amounted to 19
- 0.19% for the twelve months ended June 30, 2021. 20

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1 Q. Please describe Schedules C, D, and	1	Q.	Please d	describe	<b>Schedules</b>	C, D	, and <b>E</b>
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- 2 A. Schedule C presents the calculation of the total forecasted cost of gas purchases in the
- 3 2021/2022 winter period, segregated by Propane Purchasing Stabilization Plan ("PPSP")
- 4 purchases, available storage deliveries from Liberty's Amherst facility, CNG deliveries,
- 5 and spot purchases.
- 6 Schedule D presents the structure of PPSP pre-purchases for the winter period, monthly
- average rates for the pre-purchases, and the resulting weighted average contract price for
- 8 the winter period as used in Schedule C, line 5.
- Schedule E presents the forecasted market spot prices of propane. Column 1 of the
- schedule represents the Mont Belvieu propane futures quotations as of August 31, 2021,
- followed by projected broker fees, pipeline fees, PERC fees, supplier charges, and
- trucking charges. Together, the pricing and fees make up the expected cost of spot
- propane purchases as represented in Schedule C, line 31.

#### 14 Q. Please describe the Propane Purchasing Stabilization Plan (PPSP).

- 15 A. The PPSP, as approved in Order No. 24,617 in Docket No. DG 06-037, was again
- implemented for the winter 2021/2022. As shown on Schedule D, the Company pre-
- purchased 700,000 gallons of propane between April and September at a weighted
- average price of \$1.2857 per gallon (\$1.4051per therm), inclusive of broker, pipeline,
- 19 Propane Education & Research Council ("PERC"), and trucking charges in effect at the
- 20 time of the supplier's bid.

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#### 1 Q. Have the pre-purchased volumes in the PPSP changed since 2020/2021?

- 2 A. No. The volume remains at 700,000 gallons or 640,500 therms. The Keene Division
- maintains a pre-purchase hedge of approximately 66%.

#### 4 Q. How was the cost of CNG purchases determined?

- 5 A. The CNG costs are shown in Schedule C, lines 19 through 26. These costs reflect the
- 6 contractual agreement between the Company and its supplier, Xpress Natural Gas, LLC.

#### 7 Q. Please describe Schedule F.

- 8 A. Schedule F contains the calculation of the weighted average cost of inventory for each
- 9 month through April 2022. The unit cost of projected gas to be sent out each month
- utilizes this weighted average inventory cost, which is inclusive of all PPSP purchases,
- spot purchases, Amherst storage withdrawals, and CNG deliveries. Note that the CNG
- deliveries are shown in separate columns from the propane-weighted cost but are
- included in the average winter rate, which is established on line 55 of Schedule F. This
- mix of supply purchases is also itemized on Schedule C.

#### 15 Q. What is shown on Schedule G?

- 16 A. Schedule G shows the under-collected balance for the prior winter 2020/2021 period,
- including interest calculated in a manner consistent with prior years. The under-collected
- balance of \$38,715 (line 50) is shown on Schedule H, line 1, Column 1.

#### 19 O. How is the information in Schedule H represented in the cost of gas calculation?

- 20 A. Schedule H presents the interest calculation and adjustments on (over)/under-collected
- balances through April 2022. The prior period under-collection of \$38,715 plus

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adjustments of \$29,104 plus interest of \$2,095 on that balance through October 31, 2021, are included on Schedule B, line 33, in the "Prior" column for a total of \$69,913. The adjustments of \$29,104 are primarily due to the demand charges allocated to the winter months that were booked May-21 thru July-21 at \$7,812.50 per month or 75% of the total demand charges per month. The remainder totaling \$5,666 is due to the timing of collections and the difference between accrued revenues and actual revenues. The forecasted monthly interest of \$399 for the winter 2021/2022 period in Column 8 is included on Schedule B, line 32. The adjusted prior period under-collection plus the interest amount is also included on the tariff page.

#### 10 III. FIXED PRICE OPTION PROGRAM

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- 11 Q. Please describe the FPO program that will be in place for the winter period.
- 12 A. The Company will offer the FPO program for the upcoming winter period to provide

  13 customers the opportunity to lock in their cost of gas rate. Enrollment in the program is

  14 limited to 50% of forecasted winter sales, with allotments made available to both

  15 residential and commercial customers on a first-come, first-served basis. The Company

  16 is forecasting that 12.4% of total sales volumes will enroll in the FPO program. The

  17 12.4% is the five-year average FPO participation rate from winter 2016/2017 through the

  18 winter of 2020/2021.

#### 19 Q. Will a premium be applied to the FPO rate?

20 A. Yes. As approved in Order No. 24,516 in Docket No. DG 05-144, the Company has 21 added a \$0.02 per therm premium to the Non-FPO cost of gas rate to derive the FPO rate

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- of \$1.8941 per therm. The Company is not seeking an increase in the premium because
- 2 participation, based on prior customer behavior, is expected to remain well below the
- 3 50% threshold.
- 4 Q. How will customers be notified of the availability of the FPO program?
- 5 A. A letter will be mailed to all customers by October 1 advising them of the program, the
- 6 FPO rate, and the procedure to enroll.

#### 7 IV. COST OF GAS RATE AND BILL COMPARISONS

- 8 Q. How does the proposed Winter 2021/2022 cost of gas rate compare with the previous
- 9 winter's rate?
- 10 A. The proposed Non-FPO COG rate of \$1.8741 per therm is an increase of \$0.8488 or
- 11 82.8% from the winter 2021/2022 beginning rate of \$1.0253 per therm. The proposed
- FPO rate is \$1.8941 per therm, representing an increase of \$0.6641 per therm or 54.0%
- from last winter's beginning fixed rate of \$1.2300.
- 14 Q. What are the primary reasons for the change in rates?
- 15 A. The main reason for the \$0.8488 increase is due to the increase in supply costs because of
- market futures. This accounts for approximately 86.0% of the price increase. Production
- and storage costs of \$208,129, as included in the Settlement Agreement and approved in
- Order 26,505 in DG 20-105 account for 10.2% of the increase. The remaining 3.8% is
- attributable to prior period under collection, FPO premium, return on inventory, and
- 20 interest.

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1	Q.	What is the impact of the Winter 2021/2022 COG rate on the typical residential heat
2		and hot water customer participating in the FPO program?
3	A.	As shown on Schedule K-1, Column 7, lines 30 and 31, the typical residential heat and
4		hot water FPO customer would experience an increase of \$379.38 or 81.2% in the gas
5		component of their bills compared to the prior winter period. When the monthly
6		customer charge, therm delivery charge, and LDAC are factored into the analysis, the
7		typical customer would see a total bill increase of \$427.81 or 50.9%, as shown on lines
8		37 and 38. The LDAC rate used in Schedule K-1, line 32 is the LDAC rate proposed in
9		the currently pending COG Filing for the Company's EnergyNorth system, Docket No.
10		DG 21-130.
11	Q.	What is the impact of the Winter 2021/2022 COG rate on the typical residential heat
12		and hot water customer choosing the Non-FPO program?
13	A.	As shown on Schedule K-2, Column 7, lines 30 and 31, the typical residential heat and
14		hot water Non-FPO customer is projected to see an increase of \$380.82 or 83.4% in the
15		gas component of their bills compared to the prior winter period. When the monthly
16		customer charge, therm delivery charge, and LDAC are factored into the analysis, the
17		typical customer would see a total bill increase of \$431.30 or 52% as shown on lines 37

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- 1 and 38. The LDAC rate used in Schedule K-2, line 32 is the LDAC rate proposed in the 2 currently pending EnergyNorth COG Filing, Docket No. DG 21-130.
- 3 Q. Please describe the impact of the Winter 2021/2022 COG rate on the typical
- commercial customer compared to the prior winter period. 4
- A. Schedule L-1 illustrates that the typical commercial FPO customer would see a \$1,464.16 5
- 6 or 81.5% increase in the gas component of their bill and a 52.6% increase in their total
- 7 bill. Schedule L-2 shows that the typical commercial Non-FPO customer would see
- increases of \$1,819.54 or 129.4% increase in the gas component of their bill and 75.2% 8
- increase in their total bill. 9

#### 10 V. **OTHER ITEMS**

- What is the status of CNG currently? 11 Q.
- The Company began serving customers with CNG in October 2019. Customers 12 A.
- experienced a smooth transition from propane service to CNG service. The service 13
- 14 territory for CNG is exclusive to the Monadnock Marketplace at this time. After an RFP
- 15 process, the Company entered a new contract with Xpress Natural Gas (XNG), which
- went into effect July 1, 2021. The Company will otherwise follow the guidelines from 16
- the recent rate case settlement and order to continue the conversion of the Keene Division 17
- to natural gas. 18
- Q. What is the price differential between the cost of spot propane and the cost of CNG? 19
- A. For the upcoming peak period the cost differential between spot propane and CNG is 20
- .0091 cents per therm more expensive for CNG over the cost of spot propane. The 21

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- calculation is Spot Purchases cost per therm found on Schedule C, line 31 less the CNG
  Deliveries cost per therm found on Schedule C, line 24.
- 3 Q. Does that comparison include the CNG demand charge?
- 4 A. Yes.
- 5 Q. Has there been any change to the allocation of the demand charge between the summer and winter as compared to last year?
- A. Yes, the Company previously allocated 80% of the demand charge to the winter period,
  and 20% of the demand charge to the summer period. In Order No. 26,505 (July 30,
  2021), the Commission approved the Settlement Agreement in the Company's recent rate
  case, which adjusted this allocation to 75% in the winter period and 25% in the summer.
- Q. Can you comment on why the commodity price of propane has increased significantly over last year, yet the price of CNG has fallen?
- 13 A. Yes, as with natural gas, propane national inventories are currently below their six-year

  14 average. This, coupled with the increasing ability and financial incentive for producers to

  15 ship propane out of the country, has meant that the propane stocks have not been

  16 replenished at a rate necessary for the market to be comfortable by the onset of the winter

  17 season demand. For the CNG cost, with the new CNG contract which went into effect

  18 July 1 2021, the Company was able to secure more favorable terms for pricing over the

  19 previous contract price terms.

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1 <b>O.</b>	Please describe h	iow the Comp	any will meet its	7-day on-sit	te storage red	uirement.
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- 2 A. The Company has net storage capacity at its plant in Keene for approximately 75,000
- gallons of propane. Additionally, Liberty has approximately 129,800 gallons of propane
- 4 at the Amherst storage facility located approximately 50 miles from the Keene plant.
- 5 This storage facility is partially shared between the Keene Division and EnergyNorth. In
- addition, the Company will arrange its standard trucking commitment with Northern Gas
- 7 Transport, Inc. for transportation from this storage facility to the Keene plant. Further,
- the Company has contracted for CNG deliveries to provide service to a small section of
- 9 its system. The firm trucking arrangement coupled with onsite CNG trailers are more
- than enough to meet the 7-day demand requirement for those customers being served
- exclusively by CNG for the 2021/2022 peak period.

#### 12 Q. Does this conclude your testimony?

13 A. Yes, it does.

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#### LIBERTY - KEENE DIVISION

#### COST OF GAS RATE FILING - DG 21-XXX

#### WINTER PERIOD 2021 - 2022

#### ORIGINAL FILING

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#### 31. CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS RATE KEENE CUSTOMERS

#### Calculation of the Cost of Gas Rate

Period Covered: Winter Period November 1, 2021 through April 30, 2022

Projected Gas Sales - therms 1,092,113

Total Calculated Cost of Gas Sendout \$1,757,930 Indirect Costs from DG 20-105 \$208,129 Return on Inventory \$10,377 Total Anticipated Cost of Gas Sendout \$1,976,436

Add: Prior Period Deficiency Uncollected \$69,913 Interest \$399

Deduct: Prior Period Excess Collected 0

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

Interest 0

Prior Period Adjustments and Interest \$70,312

Total Anticipated Cost \$2,046,748

Excluding Gas Assistance Gas Assistance Cost of Gas Rate Program Program Non-Fixed Price Option Cost of Gas Rate - Beginning Period (per therm) \$1.8741 \$1.0308 Mid Period Adjustment - December 1, 2021 \$0.0000 \$0.0000 Mid Period Adjustment - January 1, 2022 \$0.0000 \$0.0000 Mid Period Adjustment - February 1, 2022 \$0.0000 \$0.0000 Mid Period Adjustment - March 1, 2022 \$0.0000 \$0.0000 Mid Period Adjustment - April 1, 2022 \$0.0000 \$0.0000 Revised Non-Fixed Price Option Cost of Gas Rate - Effective November 1, 2021 (per therm) \$1.8741 \$1.0308 Fixed Price Option Cost of Gas Rate (per therm) November 2021-April 2022 \$1.8941 \$1.0418 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:

DATED: xxx xx, 2021 ISSUED BY: <u>/s/ Neil Proudman</u>
Neil Proudman

EFFECTIVE: November 1, 2021 TITLE: President

\$2.3426

\$1.0308

Proposed First Revised Page 97

NHPUC No.11 GAS

LIBERTY UTILITIES

Superseding Original Page 97

#### 31. CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS RATE KEENE CUSTOMERS

#### Calculation of the Cost of Gas Rate

Period Covered: Winter Period November 1, 2020 through April 30, 2021 Period Covered: Winter Period November 1, 2021 through April 30, 2022 1,108,419 1,092,113 Projected Gas Sales - therms Total Calculated Cost of Gas Sendout 1 310 050 1 757 930 Indirect Costs from DG 20-105 208,129 Return on Inventory
Total Anticipated Cost of Gas Sendout (204.754) 10.377 1.976,436 69,913 399 Add: Prior Period Deficiency Uncollected Interest Deduct: Prior Period Excess Collected Interest Prior Period Adjustments and Interest 30 307 70.312 1,136 503 2 046 748 Total Anticipated Cost 2 \$ Excluding Gas Assistance Excluding Gas Assistance Gas Assistance Gas Assistance Cost of Gas Rate Program Program Program Program Non-Fixed Price Option Cost of Gas Rate - Beginning Period (per therm) 1 0253 0 5639 1.8741 \$ 1.0308 Mid Period Adjustment - <del>December 1, 2020</del> December 1, 2021 Mid Period Adjustment - <del>January 1, 2021</del> January 1, 2022 Mid Period Adjustment - <del>February 1, 2021</del> February 1, 2022 Mid Period Adjustment - <del>March 1, 2021</del> March 1, 2022 (0.0283) (0.0156) (0.0042) (0.0023) Mid Period Adjustment - April 1, 2021 April 1, 2022 0.2888 0.1588 \$ Revised Non-Fixed Price Option Cost of Gas Rate - Effective April 1, 2021 (per therm) 1.8741 \$ 1.0308 1.2816 \$ 0.7048 Fixed Price Option Cost of Gas Rate (per therm) November 2020 April 2021 November 2021-April 2022 1.0277 \$ 0.5652 1.8941 \$ 1.0418 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:

cost of gas rate upward on a monthly basis to the following rate:

 Maximum Cost of Gas Rate - Non-Fixed Price Option (per therm)
 \$ 1.2816
 \$ 0.7049
 \$ 2.3426
 \$ 1.0308

DATED: xxx xx, 2021 DATED: March 24, 2020 EFFECTIVE: November 1, 2021 EFFECTIVE: April 01, 2020 ISSUED BY: <u>/s/ Neil Proudman</u> Neil Proudman TITLE: President

Proposed Second Revised Page 88 Superseding First Revised Page 88

	Rates Effe	ctive Novembe Winter Period		April	30, 2022	R	ates Effect	ive Septemb Summer	er 1, 2021 - Period	Octob	per 31, 2021
	Delivery <u>Charge</u>	Cost of Gas Rate Page 97	LDAC Page 101		Total <u>Rate</u>		elivery Charge	Cost of Gas Rate Page 93	LDAC Page 101		Total <u>Rate</u>
Residential Non Heating - R-1 Customer Charge per Month per Meter All therms	\$ 15.3 \$ 0.384		\$ 0.0589	\$	15.39 2.3174	\$ \$	15.39 0.3844	\$ 1.3440	\$ 0.0310	\$	15 39 1.7594
Residential Heating - R-3 Customer Charge per Month per Meter All therms over the first block per month at	\$ 15.3 \$ 0.563		\$ 0.0589	\$	15.39 2.4962	\$	15.39 0.5632	\$ 1.3440	\$ 0.0310	\$	15 39 1.9382
Residential Heating - R-4 Customer Charge per Month per Meter All therms over the first block per month at	\$ 8.4 \$ 0.309		\$ 0.0589	\$	8.47 1.3995	\$ \$	15.39 0.5632	\$ 1.3440	\$ 0.0310	\$	15 39 1.9382
Commercial/Industrial - G-41 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 57.0 100 therr \$ 0.468	ns	\$ 0.0555	\$	57.06 2.3984	\$	57.06 20 therms 0.4688	\$ 1.3440	\$ 0.0478	\$	57 06 1.8606
All therms over the first block per month at	\$ 0.400			\$	2.2445	\$	0.3149	\$ 1.3440	\$ 0.0478	\$	1.7067
Commercial/Industrial - G-42 Customer Charge per Month per Meter Size of the first block	\$ 171.1 1000 therr			\$	171.19	\$	171.19 400 therms			\$	171.19
Therms in the first block per month at All therms over the first block per month at	\$ 0.426 \$ 0.283		\$ 0.0555 \$ 0.0555	\$ \$	2.3557 2.2135	\$ \$	0.4261 0.2839	\$ 1.3440 \$ 1.3440	\$ 0.0478 \$ 0.0478	\$ \$	1.8179 1.6757
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$ 734.6 \$ 0.262		\$ 0.0555	\$	734.69 2.1916	\$ \$	734.69 0.1198	\$ 1.3440	\$ 0.0478	\$ \$	734 69 1.5116
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block	\$ 57.0 100 therr			\$	57.06	\$	57.06 100 therms			\$	57 06
Therms in the first block per month at All therms over the first block per month at	\$ 0.281 \$ 0.183		\$ 0.0555 \$ 0.0555	\$ \$	2.2115 2.1129	\$ \$	0.2819 0.1833	\$ 1.3440 \$ 1.3440	\$ 0.0478 \$ 0.0478	\$ \$	1.6737 1.5751
Commercial/Industrial - G-52 Customer Charge per Month per Meter Size of the first block	\$ 171.1 1000 therr			\$	171.19	\$ 10	171.19 000 therms			\$	171.19
Therms in the first block per month at All therms over the first block per month at	\$ 0.242 \$ 0.161		\$ 0.0555 \$ 0.0555	\$ \$	2.1724 2.0913	\$ \$	0.1759 0.1000	\$ 1.3440 \$ 1.3440	\$ 0.0478 \$ 0.0478	\$ \$	1.5677 1.4918
Commercial/Industrial - G-53 Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.1 \$ 0.169	0 7 \$ 1.8741	\$ 0.0555	\$	756.10 2.0993	\$ \$	756.10 0.0814	\$ 1.3440	\$ 0.0478	\$ \$	756.10 1.4732
Commercial/Industrial - G-54 Customer Charge per Month per Meter All therms over the first block per month at	\$ 756.1 \$ 0.064		\$ 0.0555	\$	756.10 1.9944	\$ \$	756.10 0.0352	\$ 1.3440	\$ 0.0478	\$ \$	756.10 1.4270

DATED: xxx xx, 2021

EFFECTIVE: November 1, 2021

ISSUED BY: <u>/s/Neil Proudman</u> Neil Proudman TITLE: President

Proposed Second Revised Page 88 Superseding First Revised Page 88

Rates Effective April 1, 2021 April 30, 2021
Rates Effective November 1, 2021 - April 30, 2022
Winter Period Period

Rates Effective July 1, 2020 — October 31, 2020 Rates Effective September 1, 2021 - October 31, 2021 Summer Period [1]

							Guillion	. 004 [.]		
	Delivery <u>Charge</u>	Cost of Gas Rate Page 97	LDAC Page 101		Total <u>Rate</u>	Delivery <u>Charge</u>	Cost of Gas Rate Page 93	LDAC Page 101		Total <u>Rate</u>
Residential Non Heating - R-1	\$ 15.50			\$	15.50	<del>\$ 15.20</del>			\$	15.20
Customer Charge per Month per Meter	\$ 15.39			\$	15.39	\$ 15.39			\$	15.39
All therms	\$ 0 3844	\$ 1.8741	\$ 0.0589	\$	2 3174	\$ 0.3844	\$ 13440	\$ 0 0310	\$	1.7594
	\$ 0 3860	<del>\$ 1.2816</del>	\$ 0.0589	\$	1.7265	\$ 0.3786	\$ 0.7908	<del>\$ 0.0310</del>	\$	1 2004
Residential Heating - R-3	\$ 15.50			\$	15.50	\$ 15.20			\$	15.20
Customer Charge per Month per Meter	\$ 15.39			\$	15.39	\$ 15.39			\$	15.39
All therms over the first block per month at	\$ 0 5632	\$ 1.8741	\$ 0.0589	\$	2.4962	\$ 0.5632	\$ 13440	\$ 0 0660	\$	1 9732
	\$ 0 5678	<del>\$ 1.2816</del>	<del>\$ 0.0589</del>	\$	1 9083	<del>\$ 0.5569</del>	<del>\$ 0.7908</del>	<del>\$ 0 0310</del>	\$	1 3787
Residential Heating - R-4	\$ 8.53			\$	8.53	\$ 6.08			\$	6.08
Customer Charge per Month per Meter	\$ 8.47			\$	8.47	\$ 15.39			\$	15.39
All therms over the first block per month at	\$ 0 3098	\$ 1.8741	\$ 0.0589	\$	2 2428	\$ 0.5632	\$ 13440	\$ 0 0310	\$	1 9382
·	\$ 0.3123	\$ 0.7048	\$ 0.0589	\$	1 0760	\$ 0.2228	\$ 0.7908	\$ 0.0310	\$	1 0446
Commercial/Industrial - G-41	<del>\$ 57.46</del>			\$	<del>57.46</del>	\$ 56.36			\$	56.36
Customer Charge per Month per Meter	\$ 57.06			\$	57.06	\$ 57.06			\$	57.06
Size of the first block	100 therms			•		20 therms	;		•	
Therms in the first block per month at	\$ 0.4688	\$ 1.8741	\$ 0.0555	\$	2 3984	\$ 0.4688	\$ 13440	\$ 0 0478	\$	1 8606
	\$ 0. <del>4711</del>	\$ 1.2816	\$ 0.0555	\$	1 8082	\$ 0.4621	\$ 0.7908	\$ 0 0478	\$-	1 3007
All therms over the first block per month at	\$ 0 3149	\$ 1.8741	\$ 0.0555	\$	2 2445	\$ 0.3149	\$ 13440	\$ 0 0478	\$	1.7067
	\$ 0 3165	<del>\$ 1.2816</del>	\$ 0.0555	\$	<del>1 6536</del>	\$ 0.3104	\$ 0.7908	\$ 0 0478	\$	1.1490
Commercial/Industrial - G-42	<del>\$ 172.39</del>			\$	172.39	\$ 169.09			\$	169.09
Customer Charge per Month per Meter	\$ 171.19			\$	171.19	\$ 171.19			\$	171.19
Size of the first block	1000 therms					400 therms	;			
Therms in the first block per month at	\$ 0.4261	\$ 1.8741	\$ 0.0555	\$	2 3557	\$ 0.4261	\$ 13440	\$ 0 0478	\$	1 8179
	\$ 0.4284	\$ 1.2816	\$ 0.0555	\$	1.7655	\$ 0.4202	\$ 0.7908	\$ 0 0478	\$-	1 2588
All therms over the first block per month at	\$ 0 2839	\$ 1.8741	\$ 0.0555	\$	2 2135	\$ 0.2839	\$ 1 3440	\$ 0 0478	\$	1 6757
	\$ 0 2855	\$ 1.2816	\$ 0.0555	\$	1 6226	\$ 0.2800	\$ 0.7908	\$ 0 0478	\$	1.1186
Commercial/Industrial - G-43	\$ 739.83			\$	739.83	\$ 725.65			\$	725.65
Customer Charge per Month per Meter	\$ 734.69			\$	734.69	\$ 734.69			\$	734.69
All therms over the first block per month at	\$ 0 2620	\$ 1.8741	\$ 0.0555	\$	2.1916	\$ 0.1198	\$ 13440	\$ 0 0478	\$	1 5116
	\$ 0 2633	<del>\$ 1.2816</del>	<del>\$ 0.0555</del>	\$	1 6004	<del>\$ 0.1181</del>	<del>\$ 0.7908</del>	\$ 0 0478	\$	0 9567
Commercial/Industrial - G-51	\$ 57.46			\$	57.46	\$ 56.36			\$	56.36
Customer Charge per Month per Meter	\$ 57.06			\$	57.06	\$ 57.06			\$	57.06
Size of the first block	100 therms					100 therms	;			
Therms in the first block per month at	\$ 0 2819	\$ 1.8741	\$ 0.0555	\$	2 2115	\$ 0.2819	\$ 13440	\$ 0 0478	\$	1 6737
	\$ <u>0 2839</u>	\$ 1.2816	\$ 0.0555	\$	<del>1 6210</del>	\$ 0.2785	\$ 0.7908	\$ 0 0478	\$	1.1171
All therms over the first block per month at	\$ 0.1833 \$ 0.1846	\$ 1.8741 \$ 1.2816	\$ 0.0555 \$ 0.0555	\$ <del>\$</del>	2.1129 	\$ 0.1833 \$ 0.1811	\$ 13440 \$ 0.7908	\$ 0 0478 \$ 0 0478	\$ <del>\$</del>	1 5751 1 0197
	ψ 0.1040	ψ 1.2010	ψ 0.0000	Ψ	1 3217	Ψ 0.1011	Ψ 0.7300	ψ 0 0 <del>1</del> 70	Ψ	10131
Commercial/Industrial - G-52	\$ 172.39			\$	172.39	\$ 169.09			\$	169.09
Customer Charge per Month per Meter	\$ 171.19			\$	171.19	\$ 171.19			\$	171.19
Size of the first block	1000 therms			_		1000 therms			_	
Therms in the first block per month at	\$ 0 2428 \$ 0 2439	\$ 1.8741 \$ 1.2816	\$ 0.0555 \$ 0.0555	\$ \$	2.1724 	\$ 0.1759 \$ 0.1733	\$ 1 3440 \$ 0.7908	\$ 0 0478 \$ 0 0478	\$ \$	1 5677 1 0119
All therms over the first block per month at	\$ 0.1617	\$ 1.8741	\$ 0.0555	\$	2 0913	\$ 0.1000	\$ 13440	\$ 0 0478	\$	1.4918
All therms over the first block per month at	\$ 0.1617 \$ 0.1624	\$ 1.2816	\$ 0.0555	\$	1.4995	\$ 0.1000 \$ 0.0985	\$ 0.7908	\$ 0 0478	\$	0 9371
Communication description C 50	A 704.00			•	704.00	. 74004			•	740.61
Commercial/Industrial - G-53	\$ 761.39			\$	761.39	\$ 746.81			\$	746.81
Customer Charge per Month per Meter	\$ 756.10 \$ 0.1697	¢ 10744	¢ 0.0555	\$	756.10	\$ 756.10	¢ 12/40	¢ 0.0470	\$	756.10
All therms over the first block per month at	\$ 0.1697 \$ 0.1705	\$ 1.8741 \$ 1.2816	\$ 0.0555 \$ 0.0555	\$ <del>\$</del>	2 0993 1 5076	\$ 0.0814 \$ 0.0802	\$ 13440 \$ 0.7908	\$ 0 0478 \$ 0 0478	\$ \$	1.4732 0 9188
	,			•		,			·	
Commercial/Industrial - G-54	\$ 761.39			\$	761.39	\$ 746.81			\$	746.81
Customer Charge per Month per Meter	\$ 756.10	e 40741	¢ 0.0555	\$	756.10	\$ 756.10	A 0440	A 0 0 4 7 0	\$	756.10
All therms over the first block per month at	\$ 0 0648 \$ 0 0650	\$ 1.8741 \$ 1.2816	\$ 0.0555 \$ 0.0555	\$	1 9944 1.4021	\$ 0.0352 \$ 0.0346	\$ 13440 \$ 0.7908	\$ 0 0478 \$ 0 0478	\$	1.4270 0.8732
	<del>ψ υυοου</del>	<del>φ 1.∠010</del>	<del>φ υ.υυυυ</del>	Ψ	1.4∪∠1	<del>ψ 0.0340</del>	<del>φ υ./ 808</del>	<del>φ υ υч / δ</del>	Ψ	<del>∪ 01 32</del>

DATED: xxx xx, 2021 DATED: June 24, 2020 EFFECTIVE: November 1, 2021 EFFECTIVE: July 01, 2020 ISSUED BY: <u>/s/ Neil Proudman</u>
<u>Neil Proudman</u>
TITLE: President

#### LIBERTY - KEENE DIVISION

#### CONVERSION OF COSTS - GALLONS TO THERMS WINTER PERIOD 2021 - 2022

	(1)	(2)	(3)	(4)	(5)	(6)
			VOLU	JMES	UNI	T COST
	<u>UNIT</u>	CONVERSION FACTOR	<u>GALLONS</u>	THERMS	PER <u>GALLON</u>	PER <u>THERM</u>
1 GAS FROM INVENTORY	GALLONS	0.91502			\$1.3527	<b>\$1.4783</b>
2 GAS FROM CNG	THERMS	N/A	N/A		N/A	
3 TOTAL				1,145,029		

REDACTED SCHEDULE B

#### LIBERTY - KEENE DIVISION

#### CALCULATION OF COST OF GAS RATE SUPPLY / DEMAND BALANCE WINTER PERIOD 2021 - 2022

	PRI	OR	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	TOTAL
1	PROPANE COSTS PROPANE FIRM SENDOUT (therms)								
2	COMPANY USE (therms)								
3	TOTAL PROPANE SENDOUT (therms)								
4	COST PER THERM (WACOG)		\$1.4772	\$1.4698	\$1.4533	\$1.4568	\$1.5530	\$1.4748	\$1,444,796
5 6	TOTAL CALCULATED COST OF PROPANE INDIRECT COSTS FROM DG 20-105		\$178,858 \$34,688	\$275,424 \$34,688	\$322,930 \$34,688	\$287,093 \$34,688	\$247,252 \$34,688	\$133,239 \$34,688	\$208,129
7 8	PROPANE ADJUSTMENTS TOTAL COST OF PROPANE	_	\$213,546	\$310,112	\$357,618	\$321,781	\$281,940	\$167,927	\$1,652,925
8	CNG COSTS CNG SENDOUT (therms)								
9 10	COST PER THERM (WACOG) TOTAL CALCULATED COST OF CNG								
11	CNG DEMAND CHARGES								
12 13 14	INCREMENTAL COSTS WINTER 2019-2020 PER Order # 26,505 in DG 20-105 INCREMENTAL COSTS WINTER 2020-2021 PER Order # 26,505 in DG 20-105 TOTAL CNG COSTS								
15	ACCOUNTING ADJUSTMENT		\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	FPO PREMIUM		(\$333)	(\$518)	(\$615)	(\$545)	(\$445)	(\$252)	(\$2,708)
17	TOTAL COSTS OF GAS								
18	RETURN ON INVENTORY		\$1,729	\$1,729	\$1,729	\$1,729	\$1,729	\$1,729	\$10,377
	REVENUES								
19 20	BILLED FPO SALES (therms) COG FPO RATE		0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	
20	COG FFO RATE	_	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0
21	BILLED NON-FPO SALES PRIOR MONTH (therms)		0	0	0	0	0 \$0.0000	0	
22	COG NON-FPO RATE PRIOR MONTH	_	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000	\$0.0000 \$0	\$0
23 24	BILLED NON-FPO SALES CURRENT MONTH (therms) COG NON-FPO RATE CURRENT MONTH		134,349 \$1.8741	209,008 \$1.8741	248,017 \$1.8741	219,653 \$1.8741	179,426 \$1.8741	101,660 \$1.8741	1,092,113
24	COG NON-FFO RATE CURRENT MONTH	_	\$251,786	\$391,705	\$464,813	\$411,655	\$336,265	\$190,523	\$2,046,748
25 26	BILLED SALES OTHER PRIOR PERIODS COG OTHER PRIOR PERIODS BLENDED RATE		0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	0 \$0.0000	
20	COG OTHER PRIOR PERIODS BLENDED RATE	_	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0
27	TOTAL SALES		134,349	209,008	248,017	219,653	179,426	101,660	1,092,113
28	TOTAL BILLED REVENUES		\$251,786	\$391,705	\$464,813	\$411,655	\$336,265	\$190,523	\$2,046,747
29	UNBILLED REVENUES (NET)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
30	TOTAL REVENUES	_	\$251,786	\$391,705	\$464,813	\$411,655	\$336,265	\$190,523	\$2,046,747
31	(OVER)/UNDER COLLECTION		\$7,138	(\$22,567)	(\$41,651)	(\$29,901)	\$219	\$16,448	(\$70,311)
32	INTEREST AMOUNT		\$199	\$179	\$92	(\$4)	(\$45)	(\$22)	\$399
33	FINAL (OVER)/UNDER COLLECTION	\$69,913	\$7,337	(\$22,388)	(\$41,559)	(\$29,905)	\$174	\$16,426	\$1

REDACTED SCHEDULE C

#### LIBERTY - KEENE DIVISION

#### CALCULATION OF PURCHASED GAS COSTS WINTER PERIOD 2021 - 2022

LINE NO.		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	TOTAL
1	TOTAL REQUIRED PURCHASES						·	
2 3	PROPANE PURCHASE STABILIZATION PLAN DELIVERIES THERMS	84,182	128,103	150,978	123,528	96,077	57,646	640,514
4	RATES - from Schedule D							
5	Contract Price	\$1.4051	\$1.4051	\$1.4051	\$1.4051	\$1.4051	\$1.4051	
6	Broker Fee	incl.	incl.	incl.	incl.	incl.	incl.	
7 8	Pipeline Fee PERC Fee	incl. incl.	incl. incl.	incl. incl.	incl. incl.	incl. incl.	incl. incl.	
9	Trucking Fee	incl.	incl.	incl.	incl.	incl.	incl.	
10	COST PER THERM	\$1.4051	\$1.4051	\$1.4051	\$1.4051	\$1.4051	\$1.4051	\$1.4051
11	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$118,284	\$179,998	\$212,141	\$173,570	\$134,999	\$80,999	\$899,991
12	AMHERST STORAGE PROPANE DELIVERIES							
13	Therms	-	24,948	47,520	33,264	9,504	3,564	118,800
14	RATES - from Schedule F							
15	WACOG Price	\$0.0000	\$1.4200	\$1.4200	\$1.4200	\$1.4200	\$1.4200	
16	Trucking Fee	\$0.0000	\$0.0650	\$0 0650	\$0.0650	\$0.0650	\$0.0650	¢4 4050
17	COST PER THERM	\$0.0000	\$1.4850	\$1.4850	\$1.4850	\$1.4850	\$1.4850	\$1.4850
18	TOTAL COST - Amherst Storage Propane Deliveries	\$0	\$37,048	\$70,567	\$49,397	\$14,113	\$5,293	\$176,418
19	CNG DELIVERIES							
20	THERMS							
21	RATE	<b>-</b>						
22 23	COST PER THERM							
24	OOTT EN THEM							
25	COST - CNG							
26								
27	TOTAL CNG							
28	SPOT PURCHASES							
29	THERMS							
30 31	From Schedule E COST PER THERM	\$1.6901	\$1.6743	\$1 6566	\$1.6238	\$1.5657	\$1.4571	\$1.6100
32	TOTAL COST - Spot Purchases							
02	TOTAL GOOT - Sport distributes							
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 39	THERMS FROM PROPANE COST							
59	0001							
40	THERMS FROM CNG							
41	COST							
42	COST PER THERM	\$1.5377	\$1.4834	\$1.4603	\$1.4788	\$1.4840	\$1.4801	\$1.4837

Docket No. DG 21-132 Exhibit 11 Page 25 of 43

SCHEDULE D

#### LIBERTY - KEENE DIVISION

#### PROPANE PURCHASING STABILIZATION PLAN WINTER PERIOD 2021 - 2022

Line

Delivery		H	edging Scl	hedule & V	olume (Ga	allons)	
Month	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Nov-20	18,400	13,800	13,800	18,400	13,800	13,800	92,000
Dec-20	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Jan-21	33,000	24,750	24,750	33,000	24,750	24,750	165,000
Feb-21	27,000	20,250	20,250	27,000	20,250	20,250	135,000
Mar-21	21,000	15,750	15,750	21,000	15,750	15,750	105,000
Apr-21	12,600	9,450	9,450	12,600	9,450	9,450	63,000
Total Volume	115,000	111,250	111,250	140,000	111,250	111,250	700,000
Monthly %	16.4%	15.9%	15.9%	20.0%	15.9%	15.9%	

 11
 Delivery Price per Gallon
 \$1.3303
 \$1.3229
 \$1.3152
 \$1.2881
 \$1.2234
 \$1.1591

 12
 Total Cost
 \$122,389
 \$185,211
 \$217,006
 \$173,897
 \$128,454
 \$73,021
 \$899,979

 13
 Weighted Average Winter Contract Price per gallon
 \$1.2857

14 Weighted Average Winter Contract Price per therm \$1.4051

#### LIBERTY - KEENE DIVISION

### PROPANE SPOT MARKET PURCHASE COST ANALYSIS WINTER PERIOD 2021 - 2022

		(1)		(2) Broker		(3) Pipeline		(4) PERC		(5) Supplier		(6) Cost		(7) Trucking		(8)		(9)
		Mt. Belvieu		Fee		Rate		Fee		Charge		@ Selkirk		to Keene		\$ per Gal.		\$ per Therm
1	NOV	1.1513	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.4558	+	0.0906	=	1.5464	=	1.6901
2	DEC	1.1369	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.4415	+	0.0906	=	1.5321	=	1.6743
3	JAN	1.1206	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.4252	+	0.0906	=	1.5158	=	1.6566
4	FEB	1.0906	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.3952	+	0.0906	=	1.4858	=	1.6238
5	MAR	1.0375	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.3421	+	0.0906	=	1.4327	=	1.5657
6	APR	0.9381	+	0.0100	+	0.2396	+	0.0050	+	0.0500	=	1.2427	+	0.0906	=	1.3333	=	1.4571

- 1. Propane futures market quotations (cmegroup.com) on 8/31/21 close. See Appendix 1.
- 2. A generally accepted standard broker fee
- 3. Pipeline rate from Mt. Belvieu to Selkirk
- 4. Propane Education Research Council (propanecouncel.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

#### LIBERTY - KEENE DIVISION

### INVENTORY & WEIGHTED AVERAGE COST OF GAS CALCULATION WINTER PERIOD 2021 - 2022

August 2001 (Actual)	NE NO					5.				
Purchase Received 3, 30,00	1	August 2021 (Actual)	Therms	Cost	Therm	Rate Gal.	CNG therms	Cost	Total Sendout	Total Cost
Total Available 6,539 \$12,068 \$1,000	2	Beginning Balance								
Less Sendout	3 4									
September 2021 (Estimated)   Diagram   South   Diagram   State   September 2021 (Estimated)   Diagram   State   September 2021 (Estimated)   158,800   235,002   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3042   \$1,4000   \$1,3043   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1,30473   \$1,4045   \$1,3373   \$1,4040   \$1,4045   \$1	;	Less Sendout	33,056	\$46,474	\$1.4059	\$1.2864				
September 2021 (Estimated)   Dismin   Cost   Dismin   Gall		Ending Balance	52,782	\$74,207	\$1.4059	\$1.2864				
Purchase Received   158,800   \$235,00   \$31,400   \$13,542   \$10,140   \$10,14		September 2021 (Estimated)	Therms	Cost	Therm					
Total Available	3	Beginning Balance		\$74,207						
Less Sendout	9	Purchases Received								
Cotober 2021 (Estimated)   Therms	0 1									
December 2021 (Forecasted)   Therm   Cost   Therm	2	Ending Balance								
Purchases Received 70,000 \$103,000 \$1,4800 \$1,3542   Less Sendout 69,041 \$110,1273 \$1,4699 \$1,3492   Less Sendout 69,041 \$110,1273 \$1,4699 \$1,3492   Less Sendout 173,225 \$254,097 \$1,4699 \$1,3492   Purchases Received 121,081 \$100,045 \$1,4919 \$1,3692   Less Sendout 121,081 \$173,225 \$255,084 \$1,4772 \$1,3516   Less Sendout 121,081 \$173,285 \$1,4772 \$1,3516   Less Sendout 121,081 \$173,285 \$1,4772 \$1,3516   Less Sendout 173,225 \$255,884 \$1,4772 \$1,3516   Less Sendout 173,225 \$255,884 \$1,4772 \$1,3516   Less Sendout 173,225 \$255,884 \$1,4772 \$1,3516   Less Sendout 173,226 \$275,424 \$1,409 \$1,3494 \$1,4602 \$1,3379   Less Sendout 173,284 \$275,424 \$1,409 \$1,3449 \$1,4449 \$1,4494 \$1,449	3	October 2021 (Estimated)	Therms	Cost	Therm					
Total Available   242.286   \$355.370   \$1.4699   \$1.3422   Eleas Sendout   69.04   \$101.273   \$1.4699   \$1.3422   Eleas Sendout   69.04   \$101.273   \$1.4699   \$1.3422   Eleas Sendout   69.04   \$101.273   \$1.4699   \$1.3422   Eleas Sendout   21.081   \$1.90.465   \$1.4919   \$1.3422   Eleas Sendout   21.081   \$1.90.465   \$1.4919   \$1.3422   Eleas Sendout   21.081   \$1.90.465   \$1.4919   \$1.3422   Eleas Sendout   21.081   \$1.90.465   \$1.472   \$1.3516   Eleas Sendout   21.081   \$1.4919   \$1.472   \$1.3516   Eleas Sendout   21.081   \$1.4919   \$1.472   \$1.3516   Eleas Sendout   21.081   \$1.4919   \$1.472   \$1.3516   Eleas Sendout   21.081   \$1.472   \$1.408   \$1.472   \$1.3516   Eleas Sendout   21.73.28   \$255.884   \$1.472   \$1.3516   Eleas Sendout   21.73.28   \$255.884   \$1.472   \$1.3516   Eleas Sendout   21.73.28   \$255.242   \$1.4698   \$1.4328   \$1.4339   \$1.3449   Eleas Sendout   21.73.28   \$255.242   \$1.4698   \$1.3439   \$1.3449   Eleas Sendout   21.73.28   \$255.242   \$1.4698   \$1.3439   \$1.3449   Eleas Sendout   21.73.28   \$255.242   \$1.4698   \$1.3439   \$1.3449   Eleas Sendout   22.208   \$32.51.415   \$1.4393   \$1.3298   Eleas Sendout   22.208   \$349.359   \$1.4533   \$1.3298   Eleas Sendout   24.707   \$287.083   \$1.4598   \$1.3330   Eleas Sendout   24.708   \$33.3598   \$1.4598   \$1.3330   Eleas Sendout	1	Beginning Balance								
Leas Sendout 69,041 \$101,273 \$1.4699 \$1.3422										
November 2021 (Forecasted)   Therms   Cost   Therm   Gal	7	Less Sendout								
November 2021 (Forecasted)   Therms   Cost   Therm   Gal	3	Ending Balance	173,225	\$254,097	\$1.4669	\$1.3422				
Purchases Received 121.081 s 180.045 s 14.172 s 13.0516 less Sendout 121.081 s 178.868 s 14.772 s 13.0516 less Sendout 121.081 s 178.868 s 14.772 s 13.0516 less Sendout 173.225 s 255.884 s 14.772 s 13.0516 less Sendout 173.225 s 255.884 s 14.772 s 13.0516 less Sendout 173.225 s 255.884 s 14.772 s 13.0516 less Sendout 187.325 s 255.884 s 14.772 s 13.0516 less Sendout 187.326 s 255.884 s 14.772 s 13.0516 less Sendout 187.384 s 257.642 s 14.0698 s 13.049 less Sendout 187.384 s 257.642 s 14.0698 s 13.049 less Sendout 187.384 s 257.642 s 14.0698 s 13.049 less Sendout 187.086 s 251.0415 s 14.0698 s 13.049 less Sendout 187.086 s 251.0415 s 14.0698 s 13.049 less Sendout 187.086 s 251.0415 s 14.0698 s 13.049 less Sendout 197.086 s 251.0415 s 14.0698 s 13.049 less Sendout 197.086 s 251.0415 s 14.0698 s 13.049 less Sendout 197.075 s 146.429 s 14.0633 s 13.298 less Sendout 100.757 s 146.429 s 14.0633 s 13.298 less Sendout 100.757 s 146.429 s 14.0633 s 13.298 less Sendout 100.757 s 146.429 s 14.0633 s 13.298 less Sendout 100.757 s 146.429 s 14.0633 s 13.298 less Sendout 100.757 s 146.429 s 14.0633 s 13.098 less Sendout 100.757 s 146.429 s 14.0633 s 13.098 less Sendout 100.757 s 146.429 s 14.0633 s 13.098 less Sendout 100.757 s 146.429 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.07 s 257.039 s 14.0533 s 13.098 less Sendout 197.03 s 237.030 s 14.0508 s 13.030 less Sendout 197.03 s 237.030 s 14.0508 s 13.030 less Sendout 197.03 s 237.030 s 14.0508 s 14.0008 s 14.0008 s 14.0008 s 14.0008 s 14.0008 s 14.0008		November 2021 (Forecasted)	Therms	Cost	Therm					
Purchases Received 121,081 s 180,045 s 1,4191 s 1,3652 Total Available 294,306 s 344,772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4772 s 1,3316 Ending Balance 173,225 s 255,884 s 1,472 s 1,3316 Ending Balance 173,225 s 255,884 s 1,4620 s 1,3378 Ending Balance 148,277 s 217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3449 Ending Balance 148,277 s 2217,944 s 1,4698 s 1,3499 Ending Balance 148,277 s 2417,944 s 1,4698 s 1,3499 Ending Balance 148,277 s 2417,944 s 1,4698 s 1,3499 Ending Balance 148,277 s 2417,944 s 1,4698 s 1,3499 Ending Balance 100,757 s 146,429 s 1,4533 s 1,3298 Ending Balance 100,757 s 146,429 s 1,4533 s 1,3298 Ending Balance 100,757 s 146,429 s 1,4533 s 1,3298 Ending Balance 100,757 s 146,429 s 1,4568 s 1,3330 Ending Balance 100,757 s 146,429 s 1,4568 s 1,3330 Ending Balance 100,757 s 1,4568 s 1,3330 Ending Balance 149,710 s 2,38,985 s 1,4569 s 1,3330 Ending Balance 149,710 s 2,38,985 s 1,5560 s 1,4210 Ending Balance 57,989 s 99,054 s 1,5550 s 1,4210 Ending Balance 57,989 s 99,054 s 1,5550 s 1,4210 Ending Balance 57,989 s 90,054 s 1,5550 s 1,4210 Ending Balance 57,989 s 90,054 s 1,5550 s 1,4210 Ending Balance 57,989 s 90,054 s 1,5550 s 1,4210 Ending Balance 57,989 s 90,054 s 1,5550 s 1,4210 Ending Balance 54,425 s 80,066 s 1,4748 s 1,3495 Ending Balance 54,425 s 80,066 s 1,4748 s 1,3495 Ending Balance 54,425 s 80,066 s 1,4748 s 1,3495 Ending		Beginning Balance	173,225	\$254,097	\$1.4669	\$1.3422				
Less Sendout 121,081 \$178,858 \$1,4772 \$1,3516 Ending Balance 173,225 \$255,884 \$1,4772 \$1,3516 Ending Balance 174,246 \$1,4698 \$1,3449 Ending Balance 148,277 \$217,944 \$1,4698 \$1,3449 Ending Balance 174,686 \$251,415 \$1,4392 \$1,3169 Ending Balance 174,686 \$251,415 \$1,4392 \$1,3169 Ending Balance 174,686 \$251,415 \$1,4392 \$1,3398 \$1,3298 Ending Balance 170,757 \$146,429 \$1,4533 \$1,3298 Ending Balance 170,757 \$170,75 \$257,993 \$1,4568 \$1,3330 Ending Balance 67,493 \$98,321 \$1,4568 \$1,3495 Ending Balance 67,493 \$98,321 \$1,4568 \$1,4210 Ending Bala		Purchases Received								
Ending Balance 173,225 \$255,884 \$1,4772 \$1,3516  December 2021 (Forecasted) Therms Cost Therm Gal Bate Gal Beginning Balance 173,225 \$255,884 \$1,4772 \$1,3516  Purchases Received 162,436 \$237,844 \$1,4772 \$1,3516  Purchases Received 162,436 \$237,844 \$1,4620 \$1,3378  Total Available 35,661 \$493,868 \$1,4698 \$1,3449  Leas Sendout 187,334 \$275,424 \$1,4698 \$1,3449  Ending Balance 148,277 \$217,944 \$1,4698 \$1,3449  Ending Balance 148,277 \$217,944 \$1,4698 \$1,3449  Ending Balance 148,277 \$217,944 \$1,4698 \$1,3449  Purchases Received 174,666 \$251,451 \$1,4929 \$1,4333 \$1,3298  Leas Sendout 22,206 \$322,900 \$1,4533 \$1,3298  Leas Sendout 22,206 \$322,900 \$1,4533 \$1,3298  Ending Balance 100,757 \$146,429 \$1,4533 \$1,3298  Ending Balance 100,757 \$1,458,29 \$1,4533 \$1,3399  February 2022 (Forecasted) Therms Cost Therm Gal Beginning Balance 67,493 \$98,321 \$1,4568 \$1,3330  Ending Balance 67,493 \$98,321 \$1,4568 \$1,3330  Ending Balance 7,989 \$90,054 \$1,5530 \$1,4210  Ending Balance 57,989 \$90,054 \$1,5530 \$1,4210  Ending Balance 7,989 \$90,054 \$1,5530 \$1,4210  Enginning Balance 7,989 \$90,054 \$1,5530 \$1,4210  Ending Balance 7,989 \$90,054 \$1,5530 \$1,4210  Enginning Balance 7,989 \$90,054 \$1,5530 \$1,4210  Enginning Balance 7,989 \$1,4748 \$1,498  Ending Balance 7,989 \$1,498 \$1,3495  Ending Balance 7,989 \$1,4478 \$1,498  Ending Balance 7,989 \$1,498 \$1,498 \$1,4989  Ending Balance 7,989 \$1,498	3									
Beginning Balance	1									
Beginning Balance						Rate				
Purchases Received 162.436 \$237.484 \$1.4620 \$1.3378 Total Available 35.661 \$433.388 \$1.4680 \$1.3449 Less Sendout 187.384 \$275.424 \$1.4698 \$1.3449 Ending Balance 148.277 \$217.944 \$1.4698 \$1.3449 Ending Balance 147.666 \$251.415 \$1.4392 \$1.3169 Total Available 222.206 \$322.930 \$1.4533 \$1.3298 Ending Balance 100.757 \$146.429 \$1.4533 \$1.3298 Ending Balance 264.570 \$385.414 \$1.4588 \$1.3330 Eless Sendout 197.077 \$287.093 \$1.4568 \$1.3330 Eless Sendout 197.073 \$337.306 \$1.4568 \$1.3330 Eless Sendout 197.073 \$337.306 \$1.4568 \$1.3330 Eless Sendout 197.073 \$337.306 \$1.4568 \$1.3330 Eless Sendout 199.214 \$247.203 \$337.306 \$1.4568 \$1.3330 Eless Sendout 199.214 \$247.203 \$337.306 \$1.4568 \$1.3460 Eless Sendout 199.214 \$247.203 \$337.306 \$1.5500 \$1.4210 Eless Sendout 199.214 \$247.205 \$1.5500 \$1.4210 Eless Sendout 199.214 \$247.205 \$1.5500 \$1.4210 Eless Sendout 199.214 \$247.205 \$1.5500 \$1.4210 Ending Balance 57.989 \$90.054 \$1.5500 \$1.4210 Ending Balance 54.425 \$80.266 \$1.438 \$1.3495 Ending Balance 54.425 \$80.266 \$1.438 \$		December 2021 (Forecasted)	Therms	Cost	Therm	<u>Gal.</u>				
Total Available		Beginning Balance								
Less Sendout 187.384 \$275.424 \$1.4698 \$1.3449 Ending Balance 148.277 \$217.944 \$1.4698 \$1.3449 Ending Balance 174.868 \$251.415 \$1.4392 \$1.3169 Ending Balance 174.868 \$251.415 \$1.4392 \$1.3169 Ending Balance 100.757 \$146.429 \$1.4533 \$1.3298 Ending Balance 100.757 \$287.093 \$1.4568 \$1.3330 Ending Balance 67.493 \$98.321 \$1.4568 \$1.3491 Ending Balance 67.493 \$99.054 \$1.5530 \$1.4210 Ending Balance 57.989 \$90.054 \$1.553										
Danuary 2022 (Forecasted)   Therms   Cost   Therm   Gal		Less Sendout								
Danuary 2022 (Forecasted)   Therms   Cost   Therm   Gal		Ending Balance	148,277	\$217,944	\$1.4698	\$1.3449				
Purchases Received 174, 886 \$251, 415 \$1,4392 \$1,3169 Total Available 322,963 \$469,359 \$1,4533 \$1,3298 Less Sendout 222,205 \$322,930 \$1,4533 \$1,3298		January 2022 (Forecasted)	Therms	Cost	<u>Therm</u>					
Total Available 322,963 \$469,359 \$1.4533 \$1.3298 Ending Balance 100,757 \$146,429 \$1.4533 \$1.3298 Ending Balance 163,813 \$238,985 \$1.4589 \$1.3349 Ending Balance 197,077 \$287,093 \$1.4589 \$1.3349 Ending Balance 67,493 \$98,321 \$1.4568 \$1.3330 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210 End		Beginning Balance	148,277	\$217,944	\$1.4698	\$1.3449				
Less Sendout 222,206 \$322,930 \$1.4533 \$1.3298 Ending Balance 100,757 \$146,429 \$1.4533 \$1.3298 February 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 100,757 \$146,429 \$1.4533 \$1.3298 Purchases Received 163,813 \$236,985 \$1.4598 \$1.3330 Less Sendout 197,077 \$287,093 \$1.4568 \$1.3330 Lending Balance 67,493 \$98,321 \$1.4568 \$1.3330 Lending Balance 67,493 \$98,321 \$1.4568 \$1.3330 Ending Balance 67,493 \$98,321 \$1.4568 \$1.3330 Purchases Received 149,710 \$238,985 \$1.5530 \$1.4210 Less Sendout 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210		Purchases Received								
Rate										
Rate										
February 2022 (Forecasted)		J								
Purchases Received 163,813 \$238,985 \$1.4589 \$1.3349  Less Sendout 197,077 \$287,093 \$1.4588 \$1.3330  Ending Balance 67,493 \$98,321 \$1.4568 \$1.3330  March 2022 (Forecasted)  March 2023 (Forecasted)  March 2022 (Forecasted)  March 2022 (Forecasted)		February 2022 (Forecasted)	Therms	Cost	Therm					
Total Available 264,570 \$385,414 \$1.4568 \$1.3330 Less Sendout 197,077 \$287,093 \$1.4568 \$1.3330 Ending Balance 67,493 \$98,321 \$1.4568 \$1.3330 Ending Balance 149,710 \$238,985 \$1.5963 \$1.4607 Ending Balance 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.5500 Ending Balance 57,989 \$1.5960 Ending Balance 57,989 \$1.5960 E	3	Beginning Balance								
Less Sendout 197,077 \$287,093 \$1.4568 \$1.3330										
March 2022 (Forecasted)  Therms  Cost  Therm  Gal.  Beginning Balance 67,493 \$98,321 \$1.4568 \$1.3330 Purchases Received 149,710 \$238,985 \$1.5963 \$1.4607 Total Available 217,203 \$337,306 \$1.5530 \$1.4210 Less Sendout 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted)  Therms  Cost  Therm  Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted)  Therms  Cost  Therm  Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017  Total Available 144,769 \$213,505 \$1.4748 \$1.3495 Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495 Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Less Sendout	197,077							
March 2022 (Forecasted)         Therms         Cost         Therm         Gal.           Beginning Balance         67,493         \$98,321         \$1.4568         \$1.3330           Purchases Received         149,710         \$238,985         \$1.5963         \$1.4607           Total Available         217,203         \$337,306         \$1.5530         \$1.4210           Less Sendout         159,214         \$247,252         \$1.5530         \$1.4210           Ending Balance         57,989         \$90,054         \$1.5530         \$1.4210           April 2022 (Forecasted)         Therms         Cost         Therm         Gal.           Beginning Balance         57,989         \$90,054         \$1.5530         \$1.4210           Purchases Received         86,780         \$123,451         \$1.4226         \$1.3017           Total Available         144,769         \$213,505         \$1.4748         \$1.3495           Ending Balance         54,425         \$80,266         \$1.4748         \$1.3495           Ending Balance         54,425         \$80,266         \$1.4748         \$1.3495		Ending Balance	67,493	\$98,321	\$1.4568	\$1.3330				_
Purchases Received 149,710 \$238,985 \$1.5963 \$1.4607 Total Available 217,203 \$337,306 \$1.5530 \$1.4210 Less Sendout 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017 Total Available 144,769 \$213,505 \$1.4748 \$1.3495 Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495 Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		March 2022 (Forecasted)	Therms	Cost	<u>Therm</u>					
Total Available 217,203 \$337,306 \$1.5530 \$1.4210 Less Sendout 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017  Total Available 144,769 \$213,505 \$1.4748 \$1.3495 Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495  Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Beginning Balance								
Less Sendout 159,214 \$247,252 \$1.5530 \$1.4210 Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017  Total Available 144,769 \$213,505 \$1.4748 \$1.3495  Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT										
Ending Balance 57,989 \$90,054 \$1.5530 \$1.4210  April 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017  Total Available 144,769 \$213,505 \$1.4748 \$1.3495  Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495  Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Less Sendout								
April 2022 (Forecasted) Therms Cost Therm Gal.  Beginning Balance 57,989 \$90,054 \$1.5530 \$1.4210  Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017  Total Available 144,769 \$213,505 \$1.4748 \$1.3495  Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495  Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Ending Balance		\$90,054						
Purchases Received 86,780 \$123,451 \$1.4226 \$1.3017 Total Available 144,769 \$213,505 \$1.4748 \$1.3495 Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495 Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		April 2022 (Forecasted)	Therms	Cost	Therm					
Total Available 144,769 \$213,505 \$1.4748 \$1.3495 Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495 Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Beginning Balance								
Less Sendout 90,344 \$133,239 \$1.4748 \$1.3495  Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT										
Ending Balance 54,425 \$80,266 \$1.4748 \$1.3495  AVERAGE WINTER RATE - SENDOUT		Less Sendout								
		Ending Balance								
FPO Premium (Sch. B, Line 15) (\$2,708)		AVE	RAGE WIN	TER RATE -	SENDOUT					
								FPO Premium (	Sch. B, Line 15)	(\$2,708)
	7							·	, , , , , , , , , , , , , , , , , , ,	

REDACTED SCHEDULE G

#### LIBERTY - KEENE DIVISION

### PRIOR PERIOD (OVER)/UNDER COLLECTION WINTER PERIOD 2020-2021

	PRIOR	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	TOTAL
1	PROPANE COSTS PROPANE FIRM SENDOUT (therms)							
2	COMPANY USE (therms)							
3	TOTAL PROPANE SENDOUT (therms)							
4 5 6 7	COST PER THERM (WACOG) TOTAL CALCULATED COST OF PROPANE PROPANE ADJUSTMENTS TOTAL COST OF PROPANE	\$0.8860 \$107,605 \$0 \$107,605	\$0.9308 \$174,363 \$0 \$174,363	\$0.9441 \$214,927 (\$10,000) \$204,927	\$1.0463 \$207,206 (\$354) \$206,852	\$1.0724 \$164,311 \$0 \$164,311	\$1.0172 \$92,754 \$0 \$92,754	\$961,166 (\$10,354) \$950,812
8	CNG COSTS TOTAL CNG SENDOUT (therms)							
9 10 11 12	CNG DEMAND CHARGES CNG COMMODITY CHARGES CNG ADJUSTMENTS TOTAL CNG COSTS							
13	ACCOUNTING ADJUSTMENT	(\$22,089)	(\$22,089)	(\$22,089)	(\$22,089)	(\$22,089)	(\$22,089)	(\$132,533)
14	TOTAL COSTS OF GAS							
15	FPO PREMIUM	(\$672)	(\$1,899)	(\$2,513)	(\$2,882)	(\$2,131)	(\$1,971)	(\$12,068)
16	RETURN ON INVENTORY	\$1,496	\$1,496	\$1,496	\$1,496	\$1,496	\$1,496	\$8,978
	REVENUES							
17 18 19	BILLED FPO SALES (therms) - Interim Rate - Nov 2020 COG FPO RATE - Interim Rate - Nov 2020 TOTAL	6,716 \$1.2300 \$8,261	4,909 \$1.2300 \$6,038	0 \$1.2300 \$0	0 \$1.2300 \$0	0 \$1.2300 \$0	0 \$1.2300 \$0	11,625 \$14,299
20	BILLED FPO SALES (therms) - R-4 (GAP) - Interim Rate - Nov 2020	204	174	0	0	0	0	378
21 22	COG R-4 FPO RATE - Interim Rate - Nov 2020 TOTAL	\$0.6765 \$138	\$0.6765 \$118	\$0.6765 \$0	\$0.6765 \$0	\$0.6765 \$0	\$0.6765 \$0	\$256
23 24 25	BILLED FPO SALES (therms) - Dec 2020 - Apr 2021 COG FPO RATE - Dec 2020 - Apr 2021 TOTAL	0 \$0.0000 \$0	11,834 \$1.0277 \$12,162	17,830 \$1.0277 \$18,324	21,340 \$1.0277 \$21,931	15,269 \$1.0277 \$15,692	9,429 \$1.0277 \$9,690	75,702 \$77,799
26	BILLED FPO SALES (therms) - R-4 (GAP) Dec 2020 - Apr 2021	0	447	733	861	687	343	3,071
27 28	COG R-4 FPO RATE - Dec 2020 - Apr 2021 TOTAL	\$0.0000 \$0	\$0.5652 \$253	\$0.5652 \$414	\$0.5652 \$487	\$0.5652 \$388	\$0.5652 \$194	\$1,736
29	BILLED NON-FPO SALES CURRENT MONTH (therms)	62,286	188,285	145,706	164,856	166,818	77,361	805,312
30 31	COG NON-FPO RATE CURRENT MONTH TOTAL	\$1.0253 \$63,862	\$1.0253 \$193,049	\$0.9970 \$145,269	\$0.9928 \$163,669	\$0.9928 \$165,617	\$1.2816 \$99,146	\$830,611
32	BILLED NON-FPO SALES PRIOR MONTH (therms)	0	0	58,329	66,700	0	24,298	149,327
33 34	COG NON-FPO RATE PRIOR MONTH TOTAL	\$0.0000 \$0	\$1.0253 \$0	\$1.0253 \$59,805	\$0.9970 \$66,500	\$0.9928 \$0	\$0.9928 \$24,123	\$150,428
35	BILLED NON-FPO SALES CURRENT MONTH (therms) - R-4 (GAP)	1,211	3,459	3,289	3,884	4,060	1,779	17,682
36	COG NON-FPO RATE CURRENT MONTH	\$0.5639	\$0.5639	\$0.5484	\$0.5460	\$0.5460	\$0.7048	\$10.029
37	TOTAL	\$683	\$1,951	\$1,804	\$2,121	\$2,217	\$1,254	, .,.
38 39	BILLED NON-FPO SALES PRIOR MONTH (therms) - R-4 (GAP) COG NON-FPO RATE PRIOR MONTH	\$0.0000	0 \$0.5639	1,514 \$0.5639	1,701 \$0.5484	0 \$0.5460	1,107 \$0.5460	4,322
40	TOTAL	\$0	\$0	\$854	\$933	\$0	\$604	\$2,391
41 42	BILLED SALES OTHER PRIOR PERIODS COG OTHER PRIOR PERIODS BLENDED RATE	63 \$0.5237	0 \$0.0000	0 \$0.0000	(2,469) \$1.0196	654 \$1.2062	1,058 \$0.7273	(694)
43	TOTAL	\$33	\$0	\$0	(\$2,517)	\$789	\$769	(\$926)
44	TOTAL SALES	70,480	209,108	227,401	256,873	187,488	115,375	1,066,725
45	TOTAL BILLED REVENUES	\$72,976	\$213,569	\$226,469	\$253,123	\$184,703	\$135,781	\$1,086,621
46	UNBILLED REVENUES (NET)	\$69,145	\$7,897	\$8,481	(\$53,256)	(\$8,834)	(\$250)	\$23,182
47	TOTAL REVENUES	\$142,121	\$221,466	\$234,950	\$199,867	\$175,868.69	\$135,531	\$1,109,803
48	(OVER)/UNDER COLLECTION	(\$28,424)	(\$29,002)	(\$4,727)	\$58,612	\$2,088	(\$42,242)	(\$31,628)
49	INTEREST AMOUNT	\$206	\$189	\$210	\$312	\$491	\$482	\$1,890
50	FINAL (OVER)/UNDER COLLECTION \$80,52	1 (\$28,218)	(\$28,813)	(\$4,517)	\$58,924	\$2,579	(\$41,761)	\$38,715

SCHEDULE H

#### LIBERTY - KEENE DIVISION

#### INTEREST CALCULATION WINTER PERIOD 2021 - 2022

LIN NC		(1) BEG. OF MONTH BALANCE	(2) (OVER) UNDER COLLECT	(3) ADJUSTMENTS	(4) REFUNDS	(5) END OF MONTH BALANCE (COL.1+2+3)	(6) AVERAGE BALANCE COL. (COL. [1+4]/2)	(7) ANNUAL INTEREST RATE	(8) INTEREST AMOUNT	(9) MONTH END BAL. WITH INTEREST (COL. 4+7)
1 2 3 4 5 6 7 8 9 10 11 12 13	MAY 2021 JUN JUL AUG SEP OCT NOV DEC JAN 2022 FEB MAR APR	\$38,715 48,113 56,453 69,348 69,536 69,724 69,913 77,250 54,863 13,304 (16,600) (16,426)	\$0 0 0 0 7,138 (22,567) (41,651) (29,901) 219 16,448	\$8,914 7,849 12,340 0 0 0 0 0 0 0 0 0	\$0 0 0 0 0 0 0 0	\$47,629 \$55,962 \$68,793 \$69,348 \$69,536 \$69,724 \$77,051 \$54,684 \$13,212 (\$16,596) (\$16,381) \$23	\$43,172 52,037 62,623 69,348 69,536 69,724 73,482 65,967 34,038 (1,646) (16,490) (8,202)	3.25% 3.25% 3.25% 3.25% 3.25% 3.25% 3.25% 3.25% 3.25% 3.25%	484 492 555 188 189 199 179 92 (4) (45) (22)	\$48,113 56,453 69,348 69,536 69,724 69,913 77,250 54,863 13,304 (16,600) (16,426)
15 16	=	BEGINNING BALANCE MAY 2021 COL. 1, LINE 1 38,715	+	ADJUSTMENTS MAY-OCT 2021 COL. 3 LINES 1 TO 6 \$29,104	+	INTEREST MAY-OCT 2021 COL. 8, LINES 1 TO 2,095		ENDING BALANCE w/ INTERST OCTOBER 2021 COL 9, LINE 6 69,913	(TRANSFER TO	SCHEDULE B. LINE 3

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SCHEDULE I

						Liberty	- Keene Division						
						Weather Normaliza							
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 0.19%	Total Firm Sendout
1 chod	(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) * 0.19%	(10) - (11) + (12)
Nov-21	141,679	43,883	97,796	840	829	11	116.42	(1,281)	96,515	140,398	4,077	878	137,199
Dec-21	219,629	43,883	175,746	1,131	1,119	12	155.39	(1,865)	173,881	217,764	5,682	1,298	213,380
Jan-22	254 042	43 883	210 159	1 256	1 280	(24)	167.32	4 016	214 175	258 058	6 252	1 501	253 307
Feb-22	230,679	43,883	186,796	1,136	1,123	13	164.43	(2,138)	184,658	228,541	5,657	1,230	224,114
Mar-22	181 025	43 883	137 142	943	984	(41)	145.43	5 963	143 105	186 988	4 751	993	183 230
Apr-22	108,633	43,883	64,750	626	605	21	103.43	(2,172)	62,578	106,461	3,341	919	104,039
Total	1,135,687	263,298	872,389	5,932	5,940	(8)		2,523	874,912	1,138,210	29,760	6,819	1,115,269

#### SCHEDULE J

				Weather N	Liberty - Kee Normalization - Sales		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)
Nov-21	901	32,878	6,520	26,359	840	829	11	31.38	(345)	26,013	32,533
Dec-21	931	50,283	6,520	43,763	1,131	1,119	12	38.69	(464)	43,299	49,819
Jan-22	931	60,016	6,520	53,496	1,256	1,280	(24)	42.59	1,022	54,519	61,038
Feb-22	842	54,743	6,520	48,223	1,136	1,123	13	42.45	(552)	47,671	54,191
Mar-22	930	42,007	6,520	35,487	943	984	(41)	37.63	1,543	37,030	43,550
Apr-22	894	23,292	6,520	16,772	626	605	21	26.79	(563)	16,209	22,729
Total		263,219	39,118	224,101	5,932	5,940	(8)	80.14	641	224,742	263,860

					Liberty - Keer	ne Division					
				Weather N	lormalization - 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)
Nov-21	326	102,701	35,103	67,598	840	829	11	80.47	(885)	66,713	101,816
Dec-21	333	160,520	35,103	125,417	1,131	1,119	12	110.89	(1,331)	124,086	159,189
Jan-22	330	184,131	35,103	149,028	1,256	1,280	(24)	118.65	2,848	151,876	186,979
Feb-22	299	166,971	35,103	131,868	1,136	1,123	13	116.08	(1,509)	130,359	165,462
Mar-22	329	131,677	35,103	96,574	943	984	(41)	102.41	4,199	100,773	135,876
Apr-22	313	80,452	35,103	45,350	626	605	21	72.44	(1,521)	43,828	78,931
Total		826,453	210,618	615,835	5,932	5,940	(8)	225.03	1,800	617,635	828,253

	Actual 2020-2021	Normalized
November	135,579	134,349
December	210,803	209,008
January	244,147	248,017
February	221,714	219,653
March	173,684	179,426
April	103,744	101,660
Total	1,089,672	1,092,113

SCHEDULE K-1

## LIBERTY - KEENE DIVISION Typical Residential Heating Bill - Fixed Price Option Program Forecasted 2021-2022 Winter Period vs. Actual 2020-2021 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
12 MONTHS ENDED 10/31/2021	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) Residential Heating R-3	39	69	81	103	89	66	447	35	18	9	7	8	12	89	5
- 10/1/2020-7/31/2021 8/1/2021-Present Customer Charge \$15.50 \$15.39 Delivery Charge:	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$15.50	\$93.00	\$15.50	\$15.50	\$15.50	\$15.39	\$15.39	\$15.39	\$92.67	\$185.6
All therms @ \$0.5678 \$0.5632	\$22.14	\$39.18	\$45.99	\$58.48	\$50.53	\$37.47	\$253.79	\$19.87	\$10.22	\$5.11	\$3.94	\$4.51	\$6.76	\$50.41	\$304.
Base Delivery Revenue Total	\$37.64	\$54.68	\$61.49	\$73.98	\$66.03	\$52.97	\$346.79	\$35.37	\$25.72	\$20.61	\$19.33	\$19.90	\$22.15	\$143.08	\$489.
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.
COG Rates	\$1.2300	\$1.0277	\$1.0277	\$1.0277	\$1.0277	\$1.0277	\$1.0453	\$1.1821	\$1.2665	\$1.4680	\$1.4680	\$1.3440	\$1.3440	\$1.2870	
Cost of Gas Total	\$47.97	\$70.91	\$83.24	\$105.85	\$91.47	\$67.83	\$467.27	\$41.37	\$22.80	\$13.21	\$10.28	\$10.75	\$16.13	\$114.54	\$581
LDAC Rates	\$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	
LDAC Total	\$2.30	\$4.06	\$4.77	\$6.07	\$5.24	\$3.89	\$26.33	\$2.06	\$1.06	\$0.53	\$0.41	\$0.47	\$0.71	\$5.24	\$31.
Total Bill	\$88	\$130	\$150	\$186	\$163	\$125	\$840	\$79	\$50	\$34	\$30	\$31	\$39	\$263	\$1.1
12 MONTHS ENDED 10/31/2022	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
12 MONTHS ENDED 10/31/2022  Typical Usage - therms (1)	Nov-21 39	Dec-21 69	Jan-22 81	Feb-22 103	Mar-22 89	Apr-22 66	Nov-Apr 447	May-22 35	Jun-22 18	Jul-22 9	Aug-22 7	Sep-22	Oct-22	May-Oct 89	Nov-Oct 5
Residential Heating R-3 10/1/2020-7/31/2021 8/1/2021-Present															
Customer Charge \$15.50 \$15.39 Delivery Charge:	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34	\$184
All therms @ \$0.5678 \$0.5632	\$21.96	\$38.86	\$45.62	\$58.01	\$50.12	\$37.17	\$251.74	\$19.71	\$10.14	\$5.07	\$3.94	\$4.51	\$6.76	\$50.13	\$301
Base Delivery Revenue Total	\$37.35	\$54.25	\$61.01	\$73.40	\$65.51	\$52.56	\$344.08	\$35.10	\$25.53	\$20.46	\$19.33	\$19.90	\$22.15	\$142.47	\$486
Seasonal Base Delivery Difference from previous year Seasonal Percent Change from previous year							-\$2.71 -0.8%							-\$0.61 -0.4%	-\$3 -0.7
Deferred Revenue Surcharge Rate	\$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
COG Rates	\$1.8941	\$1.8941	\$1.8941	\$1.8941	\$1.8941	\$1.8941	\$1.8941			\$1.4680			\$1.3440	\$1.2870	
Cost of Gas Total Seasonal COG Difference from previous year	\$73.87	\$130.69	\$153.42	\$195.09	\$168.57	\$125.01	<b>\$846.65</b> \$379.38	\$41.37	\$22.80	\$13.21	\$10.28	\$10.75	\$16.13	<b>\$114.54</b> \$0.00	<b>\$961</b> \$379
Seasonal Percent Change from previous year							81.2%							0.0%	65.
LDAC Rates	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	
LDAC Total	\$6.76	\$11.96	\$14.04	\$17.85	\$15.42	\$11.44	\$77.47	\$6.07	\$3.12	\$1.56	\$1.21	\$1.39	\$2.08	\$15.43	\$93
Seasonal LDAC Difference from previous year Seasonal Percent Change from previous year							\$51.14 194.2%							\$10.19 194.5%	\$61 194
Total Bill	\$118	\$197	\$228	\$286	\$250	\$189	\$1,268	\$83	\$51	\$35	\$31	\$32	\$40	\$272	\$1,
Seasonal Total Bill Difference from previous year							\$427.81							\$9.58	\$437
Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)							50.9% -0.3%							3.6% -0.2%	39 -0
Seasonal Percent Change resulting from COG							45.1%							0.0%	34.
Seasonal Percent Change resulting from LDAC							6.1%							3.9%	5

<sup>(1)</sup> Residential Heating Typical Usage: Residence using gas for heat, hot water and cooking.

SCHEDULE K-2

## LIBERTY - KEENE DIVISION Typical Residential Heating Bill - Non-Fixed Price Option Program Forecasted 2021-2022 Winter Period vs. Actual 2020-2021 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7) Winter	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15) Total
12 MONTHS ENDED 10/31/2021	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Nov-Apr	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Summer May-Oct	Nov-Oc
Typical Usage - therms (1) Residential Heating R-3	39	69	81	103	89	66	447	35	18	9	7	8	12	89	5
10/1/2020-7/31/2021 8/1/2021-Present Customer Charge \$15.50 \$15.39	\$15.50	\$15.50	\$15.50	\$15 50	\$15 50	\$15.50	\$93.00	\$15.50	\$15 50	\$15 50	\$15.39	\$15.39	\$15.39	\$92 67	\$185
Delivery Charge: All therms @ \$0 5678 \$0.5632	\$22.14	\$39.18	\$45.99	\$58.48	\$50 53	\$37.47	\$253.79	\$19.71	\$10.14	\$5.11	\$3.97	\$4.54	\$6.81	\$50 28	\$304
Base Delivery Revenue Total	\$37.64	\$54.68	\$61.49	\$73.98	\$66.03	\$52.97	\$346.79	\$35.21	\$25.64	\$20.61	\$19.36	\$19.93	\$22.20	\$142.95	\$48
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	\$
COG Rates	\$1 0253	\$0 9970	\$0.9928	\$0.9928	\$0.9928	\$1.1677	\$1 0221	\$1,1821	\$1,2665	\$1,4680	\$1,4680	\$1 3440	\$1,3440	\$1,2870	
Cost of Gas Total	\$39.99	\$68.79	\$80.42	\$102.26	\$88.36	\$77.07	\$456.89	\$41.37	\$22.80	\$13.21	\$10.28	\$10.75	\$16.13	\$114.54	\$57
LDAC Rates	\$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	
LDAC Total	\$2.30	\$4.06	\$4.77	\$6.07	\$5.24	\$3.89	\$26.33	\$2.06	\$1.06	\$0.53	\$0.41	\$0.47	\$0.71	\$5.24	\$3
Total Bill	\$80	\$128	\$147	\$182	\$160	\$134	\$830	\$79	\$50	\$34	\$30	\$31	\$39	\$263	\$1,
12 MONTHS ENDED 10/31/2022	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Tota Nov-
Typical Usage - therms (1) Residential Heating R-3	39	69	81	103	89	66	447	35	18	9	7	8	12	89	
10/1/2020-7/31/2021 8/1/2021-Present Customer Charge \$15.50 \$15.39	\$15.39	\$15.39	\$15.39	\$15 39	\$15 39	\$15.39	\$92.34	\$15.39	\$15 39	\$15 39	\$15.39	\$15.39	\$15.39	\$92 34	\$18
Delivery Charge:  All therms @ \$0 5678 \$0.5632	\$22.14	\$39.18	\$45.99	\$58.48	\$50 53	\$37.47	\$253.79	\$19.71	\$10.14	\$5.11	\$3.97	\$4.54	\$6.81	\$50 28	\$30
<u> </u>	\$37.53	\$54.57	\$61.38	\$73.87	\$65.92	\$52.86	\$346.13	\$35.10	\$25.53	\$20.50	\$19.36	\$19.93	\$22.20	\$142.62	\$48
Base Delivery Revenue Total Seasonal Base Delivery Difference from previous year	\$37.53	\$54.5 <i>1</i>	\$61.38	\$13.81	\$65.92	\$52.86	-\$0.66	\$35.10	\$25.53	\$20.50	\$19.36	\$19.93	\$22.20	-\$0 33	\$48 -\$
Seasonal Percent Change from previous year							-0.2%							-0 2%	-(
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	\$
COG Rates	\$1 8741	\$1 8741	\$1.8741	\$1.8741	\$1.8741	\$1 8741	\$1 8741	\$1.1821	\$1.2665	\$1.4680	\$1.4680	\$1 3440	\$1.3440	\$1.2870	
Cost of Gas Total	\$73.09	\$129.31	\$151.80	\$193.03	\$166.79	\$123.69	\$837.71	\$41.37	\$22.80	\$13.21	\$10.28	\$10.75	\$16.13	\$114.54	<b>\$95</b> \$38
Seasonal COG Difference from previous year Seasonal Percent Change from previous year							\$380.82 83.4%							\$0 00 0 0%	\$38 6
LDAC Rates	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.1733	\$0.17	
LDAC Total	\$6.76	\$11.96	\$14.04	\$17.85	\$15.42	\$11.44	\$77.47	\$6.07	\$3.12	\$1.56	\$1.21	\$1.39	\$2.08	\$15.43	\$9
Seasonal LDAC Difference from previous year Seasonal Percent Change from previous year							\$51.14 11.2%							\$10.19 8 9%	-\$3 -t
Total Bill	\$117	\$196	\$227	\$285	\$248	\$188	\$1,261	\$83	\$51	\$35	\$31	\$32	\$40	\$273	\$1,
Seasonal Total Bill Difference from previous year							\$431.30							\$9 86	\$44
Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Sur	rch )						52.0% -0.1%							3 8% -0.1%	40 -0
Seasonal Percent Change resulting from COG	Ĭ,						45.9%							0.1%	34
Seasonal Percent Change resulting from LDAC							6.2%							3 9%	-2

<sup>(1)</sup> Residential Heating Typical Usage: Residence using gas for heat, hot water and cooking.

SCHEDULE L-1

## LIBERTY - KEENE DIVISION Typical Commercial Bill - Fixed Price Option Program Forecasted 2021-2022 Winter Period vs. Actual 2020-2021 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1 2 12 MONTHS ENDED 10/31/2021	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
3 Typical Usage - therms	133	249	307	403	367	262	1,721	128	56	22	16	18	26	266	1,987
4 Commercial G-41															
10/1/2020-7/31/2021 8/1/2021-Present 5 Customer Charge \$57.46 \$57.06	\$57.46	\$57.46	\$57.46	\$57.46	\$57.46	\$57.46	\$344.76	\$57.46	\$57.46	\$57.46	\$57.06	\$57.06	\$57.06	\$343.56	\$688.32
6 Delivery Charge:															
7 First 100 therms @ \$0.4711 \$0.4688 8 Over 100 therms @ \$0.3165 \$0.3149	\$47.11 \$10.44	\$47.11 \$47.16	\$47.11 \$65.52	\$47.11 \$95.90	\$47.11 \$84.51	\$47.11 \$51.27	\$282.66 \$354.80	\$9.42 \$34.18	\$9.42 \$11.39	\$9.42 \$0.63	\$7.50 \$0.00	\$8.44 \$0.00	\$9.38 \$1.89	\$53.58 \$48.09	\$336.24 \$402.89
9 Base Delivery Revenue Total	\$115.01	\$151.73	\$170.09	\$200.47	\$189.08	\$155.84	\$982.22	\$101.06	\$78.27	\$67.51	\$64.56	\$65.50	\$68.33	\$445.23	\$1,427.45
5 Dase Delivery Neveriue Total					\$109.00	φ100.04	\$902.22	φ101.00	φ10.Z1	φ07.51	<b>\$04.30</b>	\$00.00	<b>\$00.55</b>	\$440.20	\$1,427.45
10 Deferred Revenue Surcharge Rate 11 Deferred Revenue Surcharge Total	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.00
Deterred 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
12 COG Rates 13 Cost of Gas Total	\$1.2300 <b>\$163.59</b>	\$1.0277 <b>\$255.90</b>	\$1.0277 <b>\$315.50</b>	\$1.0277 <b>\$414.16</b>	\$1.0277 <b>\$377.17</b>	\$1.0277 <b>\$269.26</b>	\$1.0433 <b>\$1.795.58</b>	\$1.1821 <b>\$151.31</b>	\$1.2665 \$70.92	\$1.4680 \$32.30	\$1.4680 <b>\$23.49</b>	\$1.3440 <b>\$24.19</b>	\$1.3440 <b>\$34.94</b>	\$1.2675 \$337.15	\$2.132.73
13 Cost of Gas Total	\$103.59	\$255.90	\$315.50	\$414.16	\$377.17	\$203.20	\$1,795.56	\$151.51	\$10.92	\$32.30	\$23.45	\$24.13	<b>\$34.34</b>	\$337.15	\$2,132.73
14 LDAC Rates 15 LDAC Total	\$0.0555 \$7.38	\$0.0555 <b>\$13.82</b>	\$0.0555 <b>\$17.04</b>	\$0.0555 <b>\$22.37</b>	\$0.0555 <b>\$20.37</b>	\$0.0555 <b>\$14.54</b>	\$0.0555 <b>\$95.52</b>	\$0.0555 <b>\$7.10</b>	\$0.0555 \$3.11	\$0.0555 <b>\$1.22</b>	\$0.0555 <b>\$0.89</b>	\$0.0555 \$1.00	\$0.0555 <b>\$1.44</b>	\$0.0555 <b>\$14.76</b>	0.05550 \$110.28
15 LDAC Total	\$7.38	\$13.82	\$17.04	\$22.31	\$20.37	\$14.54	\$95.52	\$7.10	\$3.11	\$1.22	\$0.89	\$1.00	\$1.44	\$14.76	\$110.28
16 Total Bill	\$286	\$421	\$503	\$637	\$587	\$440	\$2,873	\$259	\$152	\$101	\$89	\$91	\$105	\$797	\$3,670
17							Winter							Summer	Total
17 18 12 MONTHS ENDED 10/31/2022	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Nov-Apr	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	May-Oct	Nov-Oct
19 Typical Usage - therms	133	249	307	403	367	262	1,721	128	56	22	16	18	26	266	1,987
20 Commercial G-41	133	249	307	403	307	202	1,721	120	30	22	10	10	20	200	1,967
10/1/2020-7/31/2021 8/1/2021-Present	er7.00	e=7.00	¢57.00	<b>#F7.00</b>	657.00	657.00	#242.2C	e=7.00	e=7.00	<b>#F7.00</b>	¢57.00	er7.00	¢57.00	6040.00	#C04.70
21         Customer Charge         \$57.46         \$57.06           22         Delivery Charge:	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36	\$684.72
23 First 100 therms @ \$0.4711 \$0.4688 24 Over 100 therms @ \$0.3165 \$0.3149	\$46.88 \$10.39	\$46.88 \$46.92	\$46.88 \$65.18	\$46.88 \$95.41	\$46.88 \$84.08	\$46.88 \$51.01	\$281.28 \$353.00	\$46.88 \$8.82	\$26.25 \$0.00	\$10.31 \$0.00	\$7.50 \$0.00	\$8.44 \$0.00	\$12.19 \$0.00	\$111.57 \$8.82	\$392.85 \$361.82
24 Over 100 therms @ \$0.3165 \$0.3149	\$10.39	\$40.92	\$00.18	\$95.41	\$84.08	\$51.01	\$353.00	\$6.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.82	\$301.82
25 Base Delivery Revenue Total	\$114.33	\$150.86	\$169.12	\$199.35	\$188.02	\$154.95	\$976.64 -\$5.58	\$112.76	\$83.31	\$67.37	\$64.56	\$65.50	\$69.25	\$462.75	\$1,439.39 \$11.94
26 Seasonal Base Delivery Difference from previous year 27 Seasonal Percent Change from previous year							-\$5.58 -0.6%							\$17.52 3.9%	\$11.94 0.8%
28 Deferred Revenue Surcharge Rate 29 Deferred Revenue Surcharge Total	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.00
30 COG Rates 31 Cost of Gas Total	\$1.8941 \$251.92	\$1.8941 <b>\$471.63</b>	\$1.8941 \$581.49	\$1.8941 \$763.32	\$1.8941 \$695.13	\$1.8941 <b>\$496.25</b>	\$1.8941 <b>\$3.259.74</b>	\$1.1821 \$151.31	\$1.2665 \$70.92	\$1.4680 \$32.30	\$1.4680 \$23.49	\$1.3440 <b>\$24.19</b>	\$1.3440 <b>\$34.94</b>	\$1.2675 \$337.15	\$3,596,89
32 Seasonal COG Difference from previous year					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.00	\$1,464.16	******	7	77		,		\$0.00	\$1,464.16
33 Seasonal Percent Change from previous year							81.5%							0.0%	68.7%
34 LDAC Rates	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0860	\$0.0861	
35 LDAC Total 36 Seasonal LDAC Difference from previous year	\$11.44	\$21.41	\$26.40	\$34.66	\$31.56	\$22.53	\$148.00 \$52.48	\$11.01	\$4.82	\$1.89	\$1.38	\$1.55	\$2.24	\$22.89 \$8.13	\$170.89 \$1,464.16
37 Seasonal Percent Change from previous year							54.9%							55.0%	68.7%
38 Total Bill	\$378	\$644	\$777	\$997	\$915	\$674	\$4,384	\$275	\$159	\$102	\$89	\$91	\$106	\$823	\$5,207
39 Seasonal Total Bill Difference from previous year	****	****	*	****		****	\$1,511.07		*	*		***	Ţ.30	\$25.64	\$1,536.71
40 Seasonal Percent Change from previous year 41 Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)							52.6% -0.2%							3.2% 2.2%	41.9% 0.3%
42 Seasonal Percent Change resulting from COG							51.0%							0.0%	39.9%
43 Seasonal Percent Change resulting from LDAC							1.8%							1.0%	39.9%

SCHEDULE L-2

## LIBERTY - KEENE DIVISION Typical Commercial Bill - Non-Fixed Price Option Program Forecasted 2021-2022 Winter Period vs. Actual 2020-2021 Winter Period

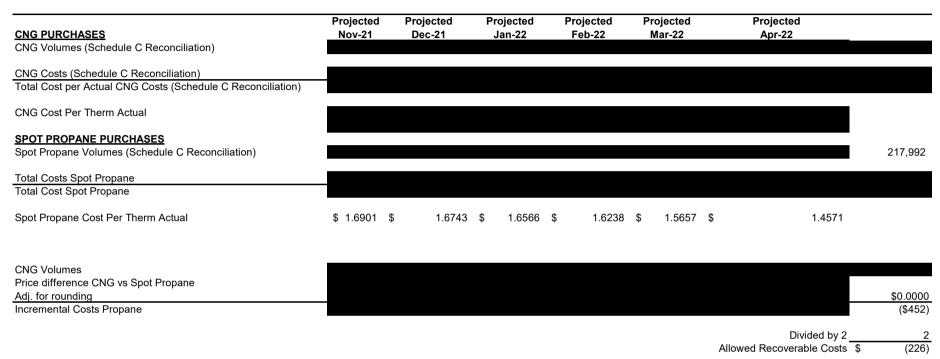
					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2	12 MONTHS ENDE	ED 10/31/2021			Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	Winter Nov-Apr	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Summer May-Oct	Total Nov-Oct
3	Commercial G-41	Typical Usage - ti	herms		133	249	307	403	367	262	1,721	128	56	22	16	18	26	266	1,987
5	Customer Charge	1	0/1/2020-7/31/2021 \$57.46	8/1/2021-Present \$57.06	\$57.46	\$57.46	\$57.46	\$57.46	\$57.46	\$57.46	\$344.76	\$57.46	\$57.46	\$57.46	\$57.06	\$57.06	\$57.06	\$343.56	\$688.32
6 7 8	Delivery Charge:	First 100 therms @ Over 100 therms @	\$0.4711 \$0.3165	\$0.4688 \$0.3149	\$47.11 \$10.44	\$47.11 \$47.16	\$47.11 \$65.52	\$47.11 \$95.90	\$47.11 \$84.51	\$47.11 \$51.27	\$282.66 \$354.80	\$9.42 \$34.18	\$9.42 \$11.39	\$9.42 \$0.63	\$7.50 \$0.00	\$8.44 \$0.00	\$9.38 \$1.89	\$53.58 \$48.09	\$336.24 \$402.89
9	Base Delivery Rev	renue Total			\$115.01	\$151.73	\$170.09	\$200.47	\$189.08	\$155.84	\$982.22	\$101.06	\$78.27	\$67.51	\$64.56	\$65.50	\$68.33	\$445.23	\$1,427.45
10 11	Deferred Revenue S				\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.00
12	COG Rates				\$0.9492	\$0.9492	\$0.9686	\$0.9352	\$0.6906	\$0.4408	\$0.8168	\$1.1821	\$1.2665	\$1.4680	\$1.4680	\$1.3440	\$1.3440	\$1.2675	
	Cost of Gas Total				\$126.24	\$236.35	\$297.36	\$376.89	\$253.45	\$115.49		\$151.31	\$70.92	\$32.30	\$23.49	\$24.19	\$34.94	\$337.15	\$1,742.93
14 15	LDAC Rates LDAC Total				\$0.0555 <b>\$7.38</b>	\$0.0555 <b>\$13.82</b>	\$0.0555 <b>\$17.04</b>	\$0.0555 <b>\$22.37</b>	\$0.0555 <b>\$20.37</b>	\$0.0555 <b>\$14.54</b>	\$0.0555 <b>\$95.52</b>	\$0.0555 <b>\$7.10</b>	\$0.0555 <b>\$3.11</b>	\$0.0555 <b>\$1.22</b>	\$0.0555 <b>\$0.89</b>	\$0.0555 <b>\$1.00</b>	\$0.0555 <b>\$1.44</b>	\$0.0555 <b>\$14.76</b>	-\$7.3520 <b>\$110.28</b>
16	Total Bill				\$249	\$402	\$484	\$600	\$463	\$286	\$2,484	\$259	\$152	\$101	\$89	\$91	\$105	\$797	\$3,281
17 18	12 MONTHS ENDE	ED 10/31/2022			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
19		Typical Usage - tl	herms		133	249	307	403	367	262	1,721	128	56	22	16	18	26	266	1,987
20 21	Commercial G-41 Customer Charge	1	0/1/2020-7/31/2021 \$57.46	8/1/2021-Present \$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36	\$684.72
22 23	Delivery Charge:	First 100 therms @	\$0.4711	\$0.4688	\$46.88	\$46.88	\$46.88	\$46.88	\$46.88	\$46.88	\$281.28	\$46.88	\$26.25	\$10.31	\$7.50	\$8.44	\$12.19	\$111.57	\$392.85
24		Over 100 therms @	\$0.3165	\$0.3149	\$10.39	\$46.92	\$65.18	\$95.41	\$84.08	\$51.01	\$353.00	\$8.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.82	\$361.82
25 26 27		venue Total ivery Difference from previ Change from previous year			\$114.33	\$150.86	\$169.12	\$199.35	\$188.02	\$154.95	\$976.64 -\$5.58 -0.6%	\$112.76	\$83.31	\$67.37	\$64.56	\$65.50	\$69.25	\$462.75 \$17.52 3.9%	<b>\$1,439.39</b> \$11.94 0.8%
28	Deferred Revenue S				\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000	\$0.0000 <b>\$0.00</b>	\$0.00	\$0.00
29	Deferred Revenue	Surcharge Total										,				\$0.00			\$0.00
30 31	COG Rates Cost of Gas Total				\$1.8741 <b>\$249.26</b>	\$1.8741 <b>\$466.65</b>	\$1.8741 <b>\$575.35</b>	\$1.8741 <b>\$755.26</b>	\$1.8741 <b>\$687.79</b>	\$1.8741 <b>\$491.01</b>		\$1.1821 <b>\$151.31</b>	\$1.2665 <b>\$70.92</b>	\$1.4680 <b>\$32.30</b>	\$1.4680 <b>\$23.49</b>	\$1.3440 <b>\$24.19</b>	\$1.3440 <b>\$34.94</b>	\$1.2675 <b>\$337.15</b>	
32 33		erence from previous year Change from previous year									\$1,819.54 129.4%							\$0.00 0.0%	\$1,819.54 104.4%
34 35	LDAC Rates				\$0.0860 <b>\$11.44</b>	\$0.0860 <b>\$21.41</b>	\$0.0860 <b>\$26.40</b>	\$0.0860 <b>\$34.66</b>	\$0.0860 <b>\$31.56</b>	\$0.0860 \$22.53	\$0.0860 <b>\$148.00</b>	\$0.0860 <b>\$11.01</b>	\$0.0860 \$4.82	\$0.0860 <b>\$1.89</b>	\$0.0860 <b>\$1.38</b>	\$0.0860 <b>\$1.55</b>	\$0.0860 <b>\$2.24</b>	\$0.0861 <b>\$22.89</b>	\$170.89
36 37	Seasonal LDAC Dif	fference from previous yea Change from previous year			,	<del></del>	,	7230	72	7	\$52.48 54.9%	T	Ţ <u> </u>	¥	Ţ <b>.</b>	¥	<b>-</b>	\$8.13 55.1%	\$60.61 55.0%
38	Total Bill	D.W. (			\$375	\$639	\$771	\$989	\$907	\$668	\$4,350	\$275	\$159	\$102	\$89	\$91	\$106	\$823	\$5,173
40	Seasonal Percent C	Change from previous year									75.2%							3.2%	57.7%
41 42	Seasonal Percent C	Change resulting from Base Change resulting from COC	3	Revenue Surch.)							-0.2% 2.1%							2.2% 0.0%	0.4% 55.5%
39 40 41	Seasonal Total Bill   Seasonal Percent C Seasonal Percent C Seasonal Percent C	Change resulting from Base	e Rates (incl. Def. R 3	devenue Surch.)	<b>40.0</b>	ψοσο	Ų.,,	<b>\$300</b>	ψ301	<del>- + + + + + + + + + + + + + + + + + + +</del>	\$1,866.44 75.2% -0.2%	<b>\$2.70</b>	ψ103	Ų10Z	Ψ00	Ψ31	<b>\$100</b>	\$25.65 3.2% 2.2%	\$1,892.0 57.7 0.4

#### SCHEDULE M

				LIBERTY - KE	ENE DIVISION				
			Histori	cal COG Comparis	on - FPO vs. No	n-FPO Bill			
			Percent			Typical	Average	Typical	Cost/(Savings)
Winter	FPO	Amount	Participation	Actual	Premium	Residential	Non-FPO	Residential	to FPO
Period	Rate	of Premium	(therms)	FPO Volumes	Revenue	FPO bill	Rate	Non-FPO bill	Customers
2020-2021	\$1.0277	\$0.56	8.51%	90,776	\$51,189	\$459	\$1.03	\$459	\$0
2019-2020	\$0.9692	\$0.02	7.08%	74,930	\$1,499	\$433	\$0.9085	\$406	\$27
2018-2019	\$1.3743	(\$0.01)	15.64%	181,485	-\$1,071	\$614	\$1.4301	\$639	(\$25)
2017-2018	\$1.2408	\$0.02	20.14%	221,383	\$4,428	\$527	\$1.4053	\$597	(\$70)
2016-2017	\$1.5352	\$0.02	19.32%	201,959	\$4,039	\$863	\$1.5247	\$900	(\$37)
2015-2016	\$0.8988	\$0.02	24.54%	224,981	\$4,500	\$480	\$0.6620	\$354	\$126
2014-2015	\$1.7269	\$0.02	32.16%	384,297	\$7,686	\$929	\$1.4213	\$765	\$164
2013-2014	\$1.6985	\$0.02	17.94%	206,379	\$4,128	\$914	\$2.0092	\$1,081	(\$167)
2012-2013	\$1.5217	\$0.02	20.81%	207,298	\$4,146	\$819	\$1.5002	\$807	\$12
2011-2012	\$2.2357	\$0.02	18.21%	152,560	\$3,051	\$1,203	\$2.1253	\$1,143	\$59
2010-2011	FPO not off	ered due to Sel	kirk terminal en	nbargo					
2009-2010	\$1.3402	\$0.02	17.12%	163,486	\$3,270	\$721	\$1.4900	\$802	(\$81)
2008-2009	\$2.2408	\$0.02	21.08%	205,970	\$4,119	\$1,206	\$1.7347	\$933	\$272
2007-2008	\$1.5212	\$0.02	28.01%	266,419	\$5,328	\$818	\$1.7646	\$949	(\$131)
2006-2007	\$1.4741	\$0.02	21.86%	206,686	\$4,134	\$793	\$1.5397	\$828	(\$35)
2005-2006	\$1.5260	\$0.02	42.91%	348,849	\$6,977	\$821	\$1.3742	\$739	\$82
2004-2005	\$1.2323	n/a	39.44%	340,315	n/a	\$663	\$1.2647	\$680	(\$17)
2003-2004	\$0.8877	n/a	38.78%	316,300	n/a	\$478	\$1.0325	\$555	(\$78)
Average						\$790		\$785	\$5

REDACTED SCHEDULE N

### LIBERTY - KEENE DIVISION PROJECTED INCREMENTAL COSTS CNG VS. SPOT PROPANE Winter 2021-2022



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#### SCHEDULE O

CNG Incremental Cost/Saving Risk Sharing - 50% Shareholder/Customers											
Incremental CNG Supply Costs - Winter 2019 - Winter 2021											
COG Period	(Refund)/Charge										
Winter	2019-20	Actuals	\$132,469	\$66,235	\$132,533	\$66,299					
Winter	2020-21	Actuals	\$44,016	\$22,008	\$0	-\$22,008					
Included in Winter 2021-2022 filing	\$44,291										

REDACTED SCHEDULE P

## LIBERTY - KEENE DIVISION ACTUAL INCREMENTAL COSTS INC ADJUSTMENT FOR MARKETER BASIS CHARGE DISPUTE CNG VS. SPOT PROPANE Winter 2019-2020 Per Exhibit 12 in 20-152 (Data Request Staff 1-6)

	Actual Nov-19	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	
CNG PURCHASES CNG Volumes (Schedule C Reconciliation excluding Marketer Basis Charge dispute which has since been settled)						•	
CNG Costs (Schedule C Reconciliation excluding Marketer Basis Charge dispute which has since been settled) Total Cost per Actual CNG Costs (Schedule C Reconciliation excluding Marketer Basis Charge dispute which has since been settled)							
CNG Cost Per Therm Actual							
SPOT PROPANE PURCHASES Spot Propane Volumes (Schedule C Reconciliation)	63,040	53,014	12,977	35,388	36,658	26,219	227,296
Total Costs Spot Propane Total Cost Spot Propane	\$63,622 \$63,622	\$52,631 \$52,631	\$11,473 \$11,473	\$29,830 \$29,830		\$21,080 \$21,080	\$201,331 \$201,331
Spot Propane Cost Per Therm Actual	\$1 0092			\$0.8429		\$0.8040	<b>4</b> =2.,,22.
CNG Volumes Price difference CNG vs Spot Propane Adj. for rounding							\$ -
Incremental Costs Propane	\$17,857	\$22,890	\$31,169	\$20,980	\$22,764	\$16,809	\$132,469

Divided by 2 2 Allowed Recoverable Costs \$ 66,235

### LIBERTY - KEENE DIVISION INCREMENTAL COSTS CNG VS. SPOT PROPANE WINTER 2020-2021 ACTUALS

CNG PURCHASES CNG Volumes (Schedule C Reconciliation)	Actual Nov-20	Actual Dec-20	Actual Jan-21	Actual Feb-21	Actual Mar-21	Actual Apr-21	
CNG Costs (Schedule C Reconciliation) Total Cost per Actual CNG Costs (Schedule C Reconciliation)							
CNG Cost Per Therm Actual							
SPOT PROPANE PURCHASES Spot Propane Volumes (Schedule C Reconciliation)							
Total Costs Spot Propane Total Cost Spot Propane							
Spot Propane Cost Per Therm Actual	\$1 0005	\$1 2249	\$1.4448	\$1.5670	\$1.3870	\$1.3675	\$1.3059
CNG Volumes							
Price difference CNG vs Spot Propane Adj. for rounding Incremental Costs Propane							

Divided by 2 2 Allowed Recoverable Costs \$ 22,008

#### **MONT BELVIEU PROPANE FUTURES - 08/31/21 CLOSE**

### MONT BELVIEU LDH PROPANE (OPIS) FUTURES - SETTLEMENTS

TRADE DATE TUESDAY 31 AUG 2021 -

Last Updated 01 Sep 2021 09:30:00 AM CT

ESTIMATED VOLUME TOTALS 11,393 PRIOR DAY OPEN INTEREST TOTALS

MONTH	OPEN	HIGH	LOW	LAST	CHANGE	SETTLE	EST. VOLU
AUG 21	-	-	-	-	+.00003	1.11344	0
SEP 21	1.14500	1.15500	1.14250A	1.15500	+.01000	1.15500	1,468
OCT 21	-	-	-	-	+.01000	1.15500	1,866
NOV 21	-	-	-	-	+.01000	1.15125	387
DEC 21	-	-	-	-	+.00938	1.13688	1,212
JAN 22	-	-	-	-	+.00750	1.12063	896
FEB 22	-	-	-	-	+.00625	1.09063	996
MAR 22	-	-	-	-	+.00687	1.01375	641
APR 22	-	-	-	-	+.00688	. 93813	453

#### ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF 54.44.0 - EFFECTIVE 7/1/21

# RATES (In Cents-per-bbl.) [U] All rates are unchanged.

ITEM NO. 135	on-Incentive Rates for P	ropane	
		Origin	
Destination	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)		739.66	
Dexter (Stoddard Co., MO)	**	351.45	
Du Bois (Clearfield Co., PA)	397.30 (1)(2)	821.14 (1)	397.30 (1)
Fontaine (Green Co., AR)		330.18	
Greensburg (Westmoreland Co., PA)	397.30 (1)(2)	774.94 (1)	397.30 (1)
Harford Mills (Cortland Co., NY)	558.24 (1)	875.81 (1)	581.18 (1)
Lebanon (Boone Co., IN)		414.48 (4)	
Oneonta (Otsego Co., NY)	604.30	946.36 (1)	623.79 (1)
Princeton (Gibson Co., IN)		451.17	
Schaefferstown (Lebanon Co., PA)	585.78 (2)	885.22	578.01
Selkirk (Albany Co., NY)	655.65	1006.24 (1)	657.36 (1)
Seymour (Jackson Co., IN)		393.85	
Sinking Spring (Berks Co., PA)	585.78 (2)	885.22	578.01
Todhunter Truck Terminal (Butler Co., OH)		662.77	
Twin Oaks(Delaware Co., PA)	720.92 (2) (3)		720.92 (3)
Watkins Glen (Schuyler Co., NY)	537.32 (1)	831.02 (1)	561.74 (1)
West Memphis (Crittenden Co., AR)		351.45 (4)	
Monee (Will Co., IL)		1490.88 (7)	

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

August 10, 2021

To: All Customers

Re: Fuel Surcharge Notice

As of Monday August 9, 2021 the Department of Energy New England average price per gallon of diesel fuel was \$3.262. All deliveries invoiced from Sunday, August 15, 2021 through Saturday, August 21, 2021 will be line item assessed at 11% fuel surcharge. Thank you and should you have any questions, please contact Susan Noyes at 1-800-648-1075 extension 223.

Best Regards,

Bruce Grant President/Owner

#### APPENDIX 3B

#### Northern Gas Transport Inc. - Selkirk to Keene

			Food			
	Base	Base	Fuel Surcharge		Total	Total Rate
Gallons	Rate	Charge	Rate	Surcharge	Charge	Per Gallon
9,200	\$0.0865	\$795 80	1.00%	\$7.96	\$803.76	\$0.0874
9,200	\$0.0865	\$795 80	2.00%	\$15.92	\$811.72	\$0.0882
9,200	\$0.0865	\$795 80	2.50%	\$19.90	\$815.70	\$0.0887
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	3.00% 3.50%	\$23.87 \$27.85	\$819 67 \$823 65	\$0.0891 \$0.0895
9,200	\$0.0865	\$795.80	4.00%	\$31.83	\$827 63	\$0.0900
9,200	\$0.0865	\$795 80	4.50%	\$35.81	\$831 61	\$0.0904
9,200	\$0.0865	\$795 80	5.00%	\$39.79	\$835 59	\$0.0908
9,200	\$0.0865	\$795 80	5.50%	\$43.77	\$839 57	\$0.0913
9,200	\$0.0865	\$795 80	6.00%	\$47.75	\$843 55	\$0.0917
9,200	\$0.0865	\$795 80	6.50%	\$51.73 \$55.74	\$847 53	\$0.0921
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	7.00% 7.50%	\$55.71 \$59.69	\$851 51 \$855.49	\$0.0926 \$0.0930
9,200	\$0.0865	\$795 80	8.00%	\$63.66	\$859.46	\$0.0934
9,200	\$0.0865	\$795 80	8.50%	\$67.64	\$863.44	\$0.0939
9,200	\$0.0865	\$795 80	9.00%	\$71.62	\$867.42	\$0.0943
9,200	\$0.0865	\$795 80	9.50%	\$75.60	\$871.40	\$0.0947
9,200	\$0.0865	\$795 80	10 00%	\$79.58	\$875 38	\$0.0952
9,200	\$0.0865	\$795 80	10 50%	\$83.56	\$879 36	\$0.0956
9,200	\$0.0865	\$795 80	11 00%	\$87.54	\$883 34	\$0.0960
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	11 50% 12 00%	\$91.52 \$95.50	\$887 32 \$891 30	\$0.0964 \$0.0969
9,200	\$0.0865	\$795 80	12 50%	\$99.48	\$895 28	\$0.0909
9,200	\$0.0865	\$795 80	13 00%	\$103.45	\$899 25	\$0.0977
9,200	\$0.0865	\$795 80	13 50%	\$107.43	\$903 23	\$0.0982
9,200	\$0.0865	\$795 80	14 00%	\$111.41	\$907 21	\$0.0986
9,200	\$0.0865	\$795 80	14 50%	\$115.39	\$911.19	\$0.0990
9,200	\$0.0865	\$795 80	15 00%	\$119.37	\$915.17	\$0.0995
9,200	\$0.0865	\$795 80	15 50%	\$123.35	\$919.15	\$0.0999
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	16 00% 16 50%	\$127.33 \$131.31	\$923.13 \$927.11	\$0.1003 \$0.1008
9,200	\$0.0865	\$795 80	17 00%	\$135.29	\$931.09	\$0.1008
9,200	\$0.0865	\$795 80	17 50%	\$139.27	\$935 07	\$0.1016
9,200	\$0.0865	\$795 80	18 00%	\$143.24	\$939 04	\$0.1021
9,200	\$0.0865	\$795 80	18 50%	\$147.22	\$943 02	\$0.1025
9,200	\$0.0865	\$795 80	19 00%	\$151.20	\$947 00	\$0.1029
9,200	\$0.0865	\$795 80	19 50%	\$155.18	\$950 98	\$0.1034
9,200 9,200	\$0.0865	\$795 80 \$795 80	20 00% 20 50%	\$159.16 \$163.14	\$954 96 \$958 94	\$0.1038 \$0.1043
9,200	\$0.0865 <del>\$0.0865</del>	\$795 80	21 00%	\$163.14 \$167.12	\$956 94 \$962 92	\$0.1042 \$0.1047
9,200	\$0.0865	\$795 80	21 50%	\$171.10	\$966 90	\$0.1051
9,200	\$0.0865	\$795 80	22 00%	\$175.08	\$970 88	\$0.1055
9,200	\$0.0865	\$795 80	22 50%	\$179.06	\$974 86	\$0.1060
9,200	\$0.0865	\$795 80	23 00%	\$183.03	\$978 83	\$0.1064
9,200	\$0.0865	\$795 80	23 50%	\$187.01	\$982 81	\$0.1068
9,200	\$0.0865	\$795 80	24 00%	\$190.99 \$104.07	\$0 06	\$0.0000 \$0.1077
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	24 50% 25 00%	\$194.97 \$198.95	\$990.77 \$994.75	\$0.1077 \$0.1081
9,200	\$0.0865	\$795 80	25 50%	\$202.93	\$998.73	\$0.1086
9,200	\$0.0865	\$795 80	26 00%	\$206.91	\$1,002.71	\$0.1090
9,200	\$0.0865	\$795 80	26 50%	\$210.89	\$1,006 69	\$0.1094
9,200	\$0.0865	\$795 80	27 00%	\$214.87	\$1,010 67	\$0.1099
9,200	\$0.0865	\$795 80	27 50%	\$218.85	\$1,014 65	\$0.1103
9,200	\$0.0865 \$0.0865	\$795 80 \$705 80	28 00% 28 50%	\$222.82	\$1,018 62 \$1,022 60	\$0.1107 \$0.1112
9,200 9,200	\$0.0865	\$795 80 \$795 80	28 50% 29 00%	\$226.80 \$230.78	\$1,022 60 \$1,026 58	\$0.1112 \$0.1116
9,200	\$0.0865	\$795 80	29 50%	\$234.76	\$1,030 56	\$0.1120
9,200	\$0.0865	\$795 80	30 00%	\$238.74	\$1,034 54	\$0.1125
9,200	\$0.0865	\$795 80	30 50%	\$242.72	\$1,038 52	\$0.1129
9,200	\$0.0865	\$795 80	31 00%	\$246.70	\$1,042 50	\$0.1133
9,200	\$0.0865	\$795 80	31 50%	\$250.68	\$1,046.48	\$0.1137
9,200	\$0.0865	\$795 80	32 00%	\$254.66	\$1,050.46	\$0.1142
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	32 50% 33 00%	\$258.64 \$262.61	\$1,054.44 \$1,058.41	\$0.1146 \$0.1150
9,200	\$0.0865	\$795 80	33 50%	\$266.59	\$1,050.41	\$0.1155
9,200	\$0.0865	\$795 80	34 00%	\$270.57	\$1,066 37	\$0.1159
9,200	\$0.0865	\$795 80	34 50%	\$274.55	\$1,070 35	\$0.1163
9,200	\$0.0865	\$795 80	35 00%	\$278.53	\$1,074 33	\$0.1168
9,200	\$0.0865	\$795 80	35 50%	\$282.51	\$1,078 31	\$0.1172
9,200	\$0.0865	\$795 80	36 00%	\$286.49	\$1,082 29	\$0.1176
9,200 9,200	\$0.0865 \$0.0865	\$795 80 \$795 80	36 50% 37 00%	\$290.47 \$294.45	\$1,086 27 \$1,090 25	\$0.1181 \$0.1185
9,200	\$0.0865	\$795 80	37 50%	\$294.43	\$1,090 23	\$0.1189
9,200	\$0.0865	\$795 80	38 00%	\$302.40	\$1,098 20	\$0.1194
9,200	\$0.0865	\$795 80	38 50%	\$306.38	\$1,102.18	\$0.1198
9,200	\$0 0865	\$795 80	39 00%	\$310 36	\$1,106.16	\$0.1202
9,200	\$0 0865	\$795 80	39 50%	\$314 34	\$1,110.14	\$0.1207
9,200	\$0.0865	\$795 80	40 00%	\$318.32	\$1,114.12	\$0.1211