| 29 | | Style Definition: TOC 2 |
|---------|---|-----------------------------------|
| 2) | CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS | |
| 30 | CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS | |
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| 31 | CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS RATE KEENE CUSTOMERS <u>EXCLUDING LOW INCOME</u> | Formatted: Font color: Red |
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| 31.1 | CALCULATION OF FIRM SALES AND FIXED WINTER PERIOD COST OF GAS | |
| | RATE KEENE CUSTOMERS LOW INCOME | Formatted: Default Paragraph Font |
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29 CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS

| NHPUC NO. 10 - GAS LIBERTY UTILITIES | | | | | osed Seco rseding F | |
|---|---|------------------------|----------------------------|---------------|------------------------|----------------------|
| | II. R CALCULATION OF FIXE PERIOD COVERED: WINITER PERIOD, (Refer to Text in Sectio | NOVEMBER 1, 2019 THE | ROUGH APRIL 30, | 2020 | | |
| | (Col 1) | ., | (Col 2) | , | (Col 3) | |
| Total Anticipated Direct Cost of G | | | \$52,211,274 | | | |
| Projected Prorated Sales (11/01/1 Direct Cost of Gas Rate | 19 - 04/30/20) | | 87,796,897 | \$ | 0.5947 | per ther |
| Demand Cost of Gas Rate Commodity Cost of Gas Rate | | | \$11,060,200 40,875,472 | s s | | per ther per ther |
| Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate | | | 275,601 \$52,211,274 | <u>s</u> | 0.0031 | per ther per ther |
| Total Anticipated Indirect Cost of | Gas | | \$ 2.251.324 | \$ | 0.5947 | per mer |
| Projected Prorated Sales (11/01/1 Indirect Cost of Gas | | | 87,796,897 | s | 0.0256 | per ther |
| | T OF GAS EFFECTIVE (11/01/19) | | | s | 0.6203 | |
| Calculation of FPO | , | | | - | | |
| TOTAL PERIOD AVERAGE COS FPO Risk Premium | T OF GAS EFFECTIVE (11/01/19) | | | \$ \$ | 0.6203 | |
| TOTAL PERIOD FIXED PRICE O | OPTION COST OF GAS RATE EFFECTIVE (11/01/19) | | | \$ | 0.6403 | |
| | ATE - EXCLUDING LOW INCOME | | COGwr | \$ | 0.6403 | /therm |
| Total Anticipated Direct Cost of G Projected Prorated Sales (11/01/1 | | | \$52,211,274 87,796,897 | | | |
| Direct Cost of Gas Rate | | | | \$ | 0.5947 | per ther |
| Demand Cost of Gas Rate Commodity Cost of Gas Rate | | | \$11,060,200 40,875,472 | s s | | per ther |
| Adjustment Cost of Gas Rate Total Direct Cost of Gas Rate | | | 275,601 \$52,211,274 | s s | 0.0031 | per ther per ther |
| Total Anticipated Indirect Cost of | Gas | | \$ 2,251,324 | Ť. | | |
| Projected Prorated Sales (11/01/1 Indirect Cost of Gas | | | 87,796,897 | s | 0.0256 | per ther |
| | T OF GAS EFFECTIVE (11/01/19) | | | s | 0.6203 | |
| Calculation of FPO | | | | | | |
| FPO Risk Premium | T OF GAS LOW INCOME - EFFECTIVE (11/01/19) | | | s S | 0.3412 0.0110 | |
| | OPTION COST OF GAS RATE EFFECTIVE (11/01/19) | | | \$ | 0.3522 | |
| RESIDENTIAL COST OF GAS R | | | COGwr | \$ | | /therm |
| C&I LOW WINTER USE COST C | | | COGwl | \$ | 0.6458 | /therm |
| | Average Demand Cost of Gas Rate Effective (05/01/1 Times: Low Winter Use Ratio (Winter) | \$ 1.0465 | | | | |
| | Times: Correction Factor Adjusted Demand Cost of Gas Rate | 0.9976 \$ 0.1315 | | | | |
| | Commodity Cost of Gas Rate | \$ 0.4656 | | | | |
| | Adjustment Cost of Gas Rate Indirect Cost of Gas Rate | \$ 0.0031 \$ 0.0256 | | | | |
| | Adjusted C&I Low Winter Use Cost of Gas Rate | \$ 0.6258 | | | | |
| | FPO Risk Premium | \$ 0.0200 \$ 0.6458 | | | | |
| | | ə 0.0450 | | | | |
| C&I HIGH WINTER USE COST C | DF GAS RATE -11/01/19 | | COGwh | \$ | 0.5143 | /therm |
| | Average Demand Cost of Gas Rate Effective (05/01/1 Times: High Winter Use Ratio (Winter) | 15) \$ 0.1260 | | | | |
| | Times: Correction Factor Adjusted Demand Cost of Gas Rate | 0.9976 \$ - | | | | |
| | Adjusted Demand Cost of Gas Rate | \$ 0.4656 | | | | |
| | Adjustment Cost of Gas Rate | \$ 0.0031 | | | | |
| | Indirect Cost of Gas Rate Adjusted C&I Low Winter Use Cost of Gas Rate | \$ 0.0256 \$ 0.4943 | | | | |
| | | | | | | |
| | FPO Risk Premium | \$ 0.0200 | | | | |

- 3. <u>Effective Date</u>: On or before the first business day in September of each year, the Company shall file with the NHPUC for its consideration and approval, the Company's request for a change in the RLIAP Rate applicable to all firm sales, delivery and transportation service throughput for the subsequent twelve-month period commencing with the calendar month of November.
- 4. <u>RLIAP Costs Allowable for LDAC</u>: The costs to be recovered through the RLIAP Rate shall comprised of the revenue shortfall calculated by forecasting the number of customers enrolled in the RLIAP and the associated volumetric billing determinants for the upcoming annual recovery period and applying those billing determinants to the difference between the regular and reduced low income residential base rates, plus the low income discount applied to the cost of gas, administrative, marketing and startup costs. The RLIAP Rate shall be calculated by dividing the resulting costs, plus any prior period reconciling adjustment, by the forecast of annual firm sales and transportation service throughput.

5. RLIAP Factor Formula

 $\frac{\text{RLIAPF} = \frac{\text{RLIAP} + \text{RA}_{\text{RLIAP}}}{\text{A: TPev}}$

where:

- A: Tpev Forecast Annual Throughput Volumes of all firm sales and transportation tariffed customers eligible to receive firm delivery-only service from the Company.
- RLIAP RLIAP costs comprising of the revenue shortfall associated with customer participation, plus_-administrative, marketing, IT and start-up costs.
- RA_{RLIAP} RLIAP Reconciliation Adjustment Account 1169-1756, inclusive of the associated Account 1169-1756 interest, as outlined in Section 17(G)(6).
- 6. <u>Reconciliation Adjustments</u>: Prior to the Company's Winter season Cost of Gas filing, the Company will calculate the difference between (a) the revenue derived by multiplying the actual firm sales and delivery service throughput by the RLIAP Rate through October 31st, and (b) the actual costs of the program which consists of (1) the revenue shortfall calculated by applying the actual billing determinants of the RLIAP classes to the difference in the regular and reduced residential base rates and cost of gas rates in effect for the annual reconciliation period and (2) the <u>Low income discount applied to the cost of gas</u>, start-up, administrative and marketing costs associated with the implementation of the program, plus carrying charges calculated on the average monthly balance using the monthly prime lending rate, as reported by the Federal Reserve Statistical Release of Selected Interest Rates. The combined costs will then be recorded in the deferred RLIAP account 1169-1756. The Company shall file the reconciliation along with its COG filing on or before the first business day in September of each year.
- H. <u>Effective Date of Local Distribution Adjustment Clause</u>. The LDAC shall be filed annually and become effective on November 1 of each year pursuant to NHPUC approval. In order to minimize the magnitude of future reconciliation adjustments, the Company may request interim revisions to the LDAC rates, subject to review and approval of the NHPUC.
- I. <u>Local Distribution Adjustment Clause Formulas</u>. The LDAC shall be calculated on an annual basis, by customer, by summing up the various factors included in the LDAC, where applicable.

LDAC Formula

 $LDAC^X \ = \ CC^X + RDAF^X + ES + GREF^x + RCE + RLIAP$

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3 LOW INCOME RESIDENTIAL HEATING RATE: CLASSIFICATION NO. R-4

Availability

This rate is for residential use for those domestic customers who use gas as the principal household heating fuel if any member of the household qualifies for a benefit through one of the programs listed below, subject to the qualification period described under the "Terms and Conditions" of this rate. Availability is limited to use in domestic locations which are separately metered and billed and which are served by the Company's mains and for which the Company facilities are adequate.

Qualified Programs:

- a. Low Income Home Energy Assistance Program (LIHEAP)
- b. Electric Assistance Program (EAP)
- c. Supplemental Security Income Program
- d. Women, Infants and Children Program
- e. Commodity Surplus Foods Program (for women, infants and children)
- f. Elderly Commodity Surplus Foods Program
- g. Temporary Aid to Needy Families Program
- h. Housing Choice Voucher Program (also known as Section 8)
- i. Head Start Program
- j. Aid to the Permanently and Totally Disabled Program
- k. Aid to the Needy Blind Program
- 1. Old Age Assistance Program
- m. Food Stamps Program
- n. Any successor program of a-m

Character of Service

Natural gas or equivalent will be supplied at a thermal content of nominally one (1) therm in each one hundred (100) cubic feet.

Delivery Charge

| Customer Charge Per Meter: | \$0. 2028<u>2840</u>- per day or \$<u>8.52</u>6.08 per 30 day month |
|----------------------------|--|
| Winter Period: | All therms per 30 day month at \$0.2228.3123 per therm |
| Summer Period: | All therms per 30 day month at \$0.2228 per therm |

The above rates shall be adjusted to reflect the recovery of all applicable taxes. The Winter Period shall be the months of November through April inclusive. The Summer Period shall be the months of May through October inclusive.

Cost of Gas Charge

All gas delivered under this rate is subject to a per therm cost of gas rate. The cost of gas rate is not included in the delivery charge presented above. Refer to the Firm Rate Schedules which present both the delivery charge and cost of gas rates.

Other Charges for Delivery Service

The customer must also pay such charges and adjustments as are set forth in the Company's Local Distribution Adjustment Clause, as in effect from time to time and on file with the Commission. The delivery

charges presented above are exclusive of these charges. Refer to the Firm Rate Schedules which present both the delivery charge and the LDAC rates.

Meter Account Charge

When the Company establishes or re-establishes a gas service account for a customer at a meter location, a meter account charge is incurred in addition to all other charges. The meter account charge is \$20.00 when the visit to the meter location is scheduled at the mutual convenience of the Company and the customer. Otherwise, the charge is \$30.00.

Terms and Conditions

For those customers qualifying for the program this rate R-4 shall apply for a <u>one-six month year-winter</u> period. On the date that the <u>one-yearsix month winter</u> period expires, eligibility for this rate shall expire unless the customer provides the Company with evidence that the customer continues to be eligible for one or more qualifying programs. When the Rate R-4 expires, the rate on each account shall revert back to the non-low income Residential Heating Rate, R-3. Customers whose eligibility for the program is based on their having qualified for LIHEAP shall be eligible for this rate retroactive to November 1 of the heating season in which they qualified. Eligibility for such customers shall expire the following <u>October April</u> 310, subject to their re-qualifying through receipt of LIHEAP or other benefits as set forth above.

Eligibility shall be determined based on the reasonable discretion of the Company subject to verification of heating usage.

Meters are read and bills are presented monthly. In the event a meter reader is unable to obtain a meter reading, an estimated bill will be rendered to the customer.

Amounts not paid prior to the due date; normally the next following meter reading date and a date not less than twenty-five (25) days from the date the bill is mailed - are subject to a late payment charge of one and one-half percent ($1\frac{1}{2}$ %) per month on the unpaid balance - equivalent to an eighteen percent (18%) annual rate. There is a \$15.00 charge for each bad check tendered for payment.

A customer must give at least four (4) days' notice before discontinuance of service and is responsible for all charges through the end of the notice period.

Service under this rate is subject to the rules and regulations and the published tariff, terms and conditions presently effective, or as filed from time to time, with the Commission.

6 MANAGED EXPANSION PROGRAM LOW INCOME RESIDENTIAL HEATING RATE: CLASSIFICATION NO. R-7

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Low Income Residential Heating Rate R-4.

Qualified Programs:

- a. Low Income Home Energy Assistance Program (LIHEAP)
- b. Electric Assistance Program (EAP)
- c. Supplemental Security Income Program
- d. Women, Infants and Children Program
- e. Commodity Surplus Foods Program (for women, infants and children)
- f. Elderly Commodity Surplus Foods Program
- g. Temporary Aid to Needy Families Program
- h. Housing Choice Voucher Program (also known as Section 8)
- i. Head Start Program
- j. Aid to the Permanently and Totally Disabled Program
- k. Aid to the Needy Blind Program
- 1. Old Age Assistance Program
- m. Food Stamps Program
- n. Any successor program of a-m

Character of Service

Natural gas or equivalent will be supplied at a thermal content of nominally one (1) therm in each one hundred (100) cubic feet.

Delivery Charge

| Customer Charge Per Meter: | \$ <u>0</u> .2634-3897 per day or \$7.9011.69 per 30 day month |
|----------------------------|--|
| Winter Period: | All therms per 30 day month at \$0.2896.4282 per therm |
| Summer Period: | All therms per 30 day month at \$0.2896 per therm |

The above rates shall be adjusted to reflect the recovery of all applicable taxes. The Winter Period shall be the months of November through April inclusive. The Summer Period shall be the months of May through October inclusive.

Cost of Gas Charge

All gas delivered under this rate is subject to a per therm cost of gas rate. The cost of gas rate is not included in the delivery charge presented above. Refer to the Firm Rate Schedules which present both the delivery charge and cost of gas rates.

Other Charges for Delivery Service

The customer must also pay such charges and adjustments as are set forth in the Company's Local Distribution Adjustment Clause, as in effect from time to time and on file with the Commission. The

delivery charges presented above are exclusive of these charges. Refer to Page 92 of this Tariff for firm rate schedules which present both the delivery charge and the LDAC rates.

Meter Account Charge

When the Company establishes or re-establishes a gas service account for a customer at a meter location, a meter account charge is incurred in addition to all other charges. The meter account charge is \$20.00

when the visit to the meter location is scheduled at the mutual convenience of the Company and the customer. Otherwise, the charge is \$30.00.

Terms and Conditions

Service under each Managed Expansion Program project will have a term of ten years. Customers initiating service under this rate must take service hereunder until ten years following the date that the first customer in the particular Managed Expansion Program project takes service. Once the term of service for a particular Managed Expansion Program project expires, customers will thereafter take service under Low Income Residential Heating Rate R-4.

For those customers qualifying for the program this rate R-7 shall apply for a <u>one-six month year-winter</u> period. On the date that the <u>one-yearsix month winter</u>-period expires, eligibility for this rate shall expire unless the customer provides the Company with evidence that the customer continues to be eligible for one or more qualifying programs. When the Rate R-7 expires, the rate on each account shall revert back to the non-low income Residential Heating Rate, R-6. Customers whose eligibility for the program is based on their having qualified for LIHEAP shall be eligible for this rate retroactive to November 1 of the heating season in which they qualified. Eligibility for such customers shall expire the following October April 3031, subject to their re-qualifying through receipt of LIHEAP or other benefits as set forth above.

Eligibility shall be determined based on the reasonable discretion of the Company subject to verification of heating usage.

Meters are read and bills are presented monthly. In the event a meter reader is unable to obtain a meter reading, an estimated bill will be rendered to the customer.

Amounts not paid prior to the due date; normally the next following meter reading date and a date not less than twenty-five (25) days from the date the bill is mailed - are subject to a late payment charge of one and one-half percent (11/2%) per month on the unpaid balance - equivalent to an eighteen percent (18%) annual rate. There is a \$15.00 charge for each bad check tendered for payment.

A customer must give at least four (4) days' notice before discontinuance of service and is responsible for all charges through the end of the notice period.

Service under this rate is subject to the rules and regulations and the published tariff, terms and conditions presently effective, or as filed from time to time, with the Commission.

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22 FIRM RATE SCHEDULES - EXCLUDING KEENE CUSTOMERS

| | | | | | | CHEDULES | | | | | | |
|--|---------------------------------------|--|---|-----------------|----------------------|-----------------------------|---------|---|---------|-----------------------------|---------|-----------------------|
| | Rates Eff | ective April Winte | IRM RATE SC 1, 2020 - Apri r Period | | | CLUDING KEEN Rates Effec | tive | August Summ | 1, 20 | | ber | [.] 31, 2020 |
| | Delivery Charge <u>7/1/2020</u> | Cost of Gas Rate @ 04/2020 <u>Page 92</u> | LDAC thru 10/2020 <u>Page 97</u> | | Total <u>Rate</u> | Delivery <u>Charge</u> | G @ | Cost of as Rate 08/2020 age 89 | thru | LDAC 1 10/2020 age 97 | | Total <u>Rate</u> |
| Residential Non Heating - R-1 Customer Charge per Month per Meter | \$ 15.50 | | | \$ | 15.50 | \$ 15.50 | | | | | \$ | 15.50 |
| All therms | \$ 0.3860 | \$ 0.2679 | \$ 0.0310 | ъ \$ | 0.6849 | \$ 15.50 \$ 0.3860 | \$ | 0.4757 | \$ | 0.0310 | ъ \$ | 0.8927 |
| Residential Heating - R-3 | | | | | | | | | | | | |
| Customer Charge per Month per Meter | \$ 15.50 | | | \$ | 15.50 | \$ 15.50 | | | | | \$ | 15.50 |
| All therms Therms in the first block per month at | all therms \$ 0.5678 | \$ 0.2679 | \$ 0.0310 | \$ | 0.8667 | all therms \$ 0.5678 | \$ | 0.4757 | \$ | 0.0310 | \$ | 1.0745 |
| | \$ 6.20 | | | | 6.08 | \$620 | | | | | | 6 20 |
| Residential Heating - R-4 Customer Charge per Month per Meter | \$ 8.53 | | | - \$ | | \$ <u>5.20</u> \$ 15.50 | | | | | \$ | <u></u> |
| All therms | φ 0.00 | | | Ψ | 0.00 | φ 15.50 | | | | | Ψ | 10.00 |
| Therms in the first block per month at | \$ 0.3123 | \$ 0.1473 | \$ 0.0310 | | 0.5217 | \$ 0.5678 | \$ | 0.4757 | \$ | 0.0310 | \$ | 0.7339 |
| Commercial/Industrial - G-41 | <u>-0.2272</u> | \$0.2679 | | \$ - | | <u>\$-0.2272</u> | | | | | | 0.6253 |
| Customer Charge per Month per Meter | \$ 57.46 | | | \$ | 57.46 | \$ 57.46 | | | | | \$ | 57.46 |
| Size of the first block | 20 therms | | | | | 20 therms | | | | | | |
| Therms in the first block per month at | \$ 0.4711 | \$ 0.2666 | \$ 0.0478 | \$ | 0.7855 | \$ 0.4711 | | 0.4711 | \$ | 0.0478 | \$ | 0.9900 |
| All therms over the first block per month at | \$ 0.3165 | \$ 0.2666 | \$ 0.0478 | \$ | 0.6309 | \$ 0.3165 | \$ | 0.4711 | \$ | 0.0478 | \$ | 0.8354 |
| Commercial/Industrial - G-42 | | | | | | | | | | | | |
| Customer Charge per Month per Meter | \$ 172.39 | | | \$ | 172.39 | \$ 172.39 | | | | | \$ | 172.39 |
| Size of the first block | 400 therms \$ 0.4284 | \$ 0.2666 | \$ 0.0478 | \$ | 0.7428 | 400 therms \$ 0.4284 | \$ | 0 4711 | \$ | 0.0478 | \$ | 0.9473 |
| Therms in the first block per month at All therms over the first block per month at | | \$ 0.2666 | \$ 0.0478 | э \$ | 0.7428 | \$ 0.4285 | э \$ | 0.4711 0.4711 | э \$ | 0.0478 | э \$ | 0.9473 |
| | | | | | | | | | | | | |
| Commercial/Industrial - G-43 Customer Charge per Month per Meter | \$ 739.83 | | | \$ | 739.83 | \$ 739.83 | | | | | \$ | 739.83 |
| All therms over the first block per month at | | \$ 0.2666 | \$ 0.0478 | | 0.4348 | \$ 0.1204 | \$ | 0.4711 | \$ | 0.0478 | \$ | 0.6393 |
| | | • • • • • • | | · | | • | | | | | | |
| Commercial/Industrial - G-51 | \$ 57.46 | | | ¢ | F7 40 | \$ 57.46 | | | | | ¢ | F7 40 |
| Customer Charge per Month per Meter Size of the first block | \$ 57.46 100 therms | | | \$ | 57.46 | \$ 57.46 100 therms | | | | | \$ | 57.46 |
| Therms in the first block per month at | \$ 0.2839 | \$ 0.2734 | \$ 0.0478 | \$ | 0.6051 | \$ 0.2839 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.8145 |
| All therms over the first block per month at | \$ 0.1846 | \$ 0.2734 | \$ 0.0478 | \$ | 0.5058 | \$ 0.1846 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.7152 |
| Commercial/Industrial - G-52 | | | | | | | | | | | | |
| Customer Charge per Month per Meter | \$ 172.39 | | | \$ | 172.39 | \$ 172.39 | | | | | \$ | 172.39 |
| Size of the first block | 1000 therms | | | | | 1000 therms | | | | | | |
| Therms in the first block per month at | \$ 0.1767 | \$ 0.2734 | \$ 0.0478 | \$ | 0.4979 | \$ 0.1767 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.7073 |
| All therms over the first block per month at | \$ 0.1004 | \$ 0.2734 | \$ 0.0478 | \$ | 0.4216 | \$ 0.1004 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.6310 |
| Commercial/Industrial - G-53 | | | | | | | | | | | | |
| Customer Charge per Month per Meter | \$ 761.39 | | | \$ | 761.39 | \$ 761.39 | | | | | \$ | 761.39 |
| All therms over the first block per month at | \$ 0.0818 | \$ 0.2734 | \$ 0.0478 | \$ | 0.4030 | \$ 0.0818 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.6124 |
| Commercial/Industrial - G-54 | | | | | | | | | | | | |
| Customer Charge per Month per Meter | \$ 761.39 | | | \$ | 761.39 | \$ 761.39 | | | | | \$ | 761.39 |
| All therms over the first block per month at | \$ 0.0353 | \$ 0.2734 | \$ 0.0478 | \$ | 0.3565 | \$ 0.0353 | \$ | 0.4828 | \$ | 0.0478 | \$ | 0.5659 |

| - | | Winter Period | , 2020 - April 30 Period | - | | | st 1, 2020 - Octo Period [1] | . , .== |
|---|---------------------------|----------------------|-----------------------------|----------------------|--------------------|----------------------|---------------------------------|----------------------|
| | | Cost of | | | | Cost of | | |
| | Delivery | Gas Rate | LDAC | | | Gas Rate | LDAC | |
| | Charge <u>7/1/2020</u> | @ 04/2020 Page 93 | thru 10/2020 Page 97 | Total <u>Rate</u> | Delivery Charge | @ 08/2020 Page 89 | thru 10/2020 Page 97 | Total <u>Rate</u> |
| | <u>II II EVEN</u> | 1 490 32 | 1 490 57 | <u>Indix</u> | onarge | 1 490 00 | | <u>Indie</u> |
| Residential Non Heating - R-1 | | | | | | | | |
| Customer Charge per Month per Meter | \$15.50 | | | \$15.50 | \$15.50 | | | \$15. |
| All therms | \$0.3860 | \$0.4408 | \$0.0310 | \$0.8578 | \$0.3860 | \$0.7908 | \$0.0310 | \$1.20 |
| Residential Heating - R-3 | | | | | | | | |
| Customer Charge per Month per Meter | \$15.50 | | | \$15.50 | \$ 15.50 | | | \$15. |
| All therms | \$0.5678 | \$0.4408 | \$0.0310 | \$1.0396 | \$0.5678 | \$0.7908 | \$0.0310 | \$1.38 |
| Residential Heating - R-4 | \$6.20 | | | \$6.20 | \$6.20 | | | \$6. |
| Customer Charge per Month per Meter | \$8.52 | | | \$8.52 | \$15.50 | | | \$15. |
| All therms | \$0.3123 | \$0.2424 | \$0.0310 | \$0.5857 | \$0.5678 | \$0.7908 | \$0.0310 | \$1.38 |
| | \$0.2272 | \$0.4408 | | \$0.6680 | \$0.2272 | | | |
| Commercial/Industrial - G-41 | | | | | | | | |
| Customer Charge per Month per Meter | \$57.46 | | | \$57.46 | \$ 57.46 | | | \$57. |
| Size of the first block | 20 therms | | | | 20 therms | | | |
| Therms in the first block per month at | \$0.4711 | \$0.4408 | \$0.0478 | \$0.9597 | \$0.4711 | \$0.7908 | \$0.0478 | \$1.30 |
| All therms over the first block per month | \$0.3165 | \$0.4408 | \$0.0478 | \$0.8051 | \$0.3165 | \$0.7908 | \$0.0478 | \$1.15 |
| Commercial/Industrial - G-42 | | | | | | | | |
| Customer Charge per Month per Meter | \$172.39 | | | \$172.39 | \$ 172.39 | | | \$172. |
| Size of the first block | 400 therms | | | | 400 therms | | | |
| Therms in the first block per month at | \$0.4284 | \$0.4408 | \$0.0478 | \$0.9170 | \$0.4284 | \$0.7908 | \$0.0478 | \$1.26 |
| All therms over the first block per month | \$0.2855 | \$0.4408 | \$0.0478 | \$0.7741 | \$0.2855 | \$0.7908 | \$0.0478 | \$1.12 |
| Commercial/Industrial - G-43 | | | | | | | | |
| Customer Charge per Month per Meter | \$739.83 | | | \$739.83 | \$ 739.83 | | | \$739. |
| All therms over the first block per month | \$0.1204 | \$0.4408 | \$0.0478 | \$0.6090 | \$0.1204 | \$0.7908 | \$0.0478 | \$0.95 |
| Commercial/Industrial - G-51 | | | | | | | | |
| Customer Charge per Month per Meter | \$57.46 | | | \$57.46 | \$ 57.46 | | | \$57. |
| Size of the first block | 100 therms | | | | 100 therms | | | |
| Therms in the first block per month at | \$0.2839 | \$0.4408 | \$0.0478 | \$0.7725 | \$0.2839 | \$0.7908 | \$0.0478 | \$1.12 |
| All therms over the first block per month | \$0.1846 | \$0.4408 | \$0.0478 | \$0.6732 | \$0.1846 | \$0.7908 | \$0.0478 | \$1.02 |
| Commercial/Industrial - G-52 | | | | | | | | |
| Customer Charge per Month per Meter | \$172.39 | | | \$172.39 | \$ 172.39 | | | \$172. |
| Size of the first block | 1000 therms | | | | 1000 therms | | | |
| Therms in the first block per month at | \$0.1767 | \$0.4408 | \$0.0478 | \$0.6653 | \$0.1767 | \$0.7908 | \$0.0478 | \$1.01 |
| All therms over the first block per month | \$0.1004 | \$0.4408 | \$0.0478 | \$0.5890 | \$0.1004 | \$0.7908 | \$0.0478 | \$0.93 |
| Commercial/Industrial - G-53 | | | | | | | | |
| Customer Charge per Month per Meter | \$761.39 | | | \$761.39 | \$ 761.39 | | | \$761. |
| All therms over the first block per month | \$0.0818 | \$0.4408 | \$0.0478 | \$0.5704 | \$0.0818 | \$0.7908 | \$0.0478 | \$0.92 |
| Commercial/Industrial - G-54 | | | | | | | | |
| Customer Charge per Month per Meter | \$761.39 | | | \$761.39 | \$ 761.39 | | | \$761. |
| All therms over the first block per month | \$0.0353 | \$0.4408 | \$0.0478 | \$0.5239 | \$0.0353 | \$0.7908 | \$0.0478 | \$0.87 |

23 FIRM RATE SCHEDULES - KEENE CUSTOMERS

24 FIRM RATE SCHEDULES - MANAGED EXPANSION PROGRAM-EXCLUDING KEENE CUSTOMERS

1

| | | | | | | | | II RATE S | | | | | | | | |
|--|------------------|------------------------------|----------|--|----------|--|----------------|------------------------------------|----------------|------------------------------|----------|------------------------------|------|--|----------------|--------------------------|
| | | Rates | Effe | | | FIRM RATE SC 1, 2020 - April 30 Period | | | | | | ve Augu | st 1 | , 2020 - Octobe r Period | 31 | , 2020 |
| | С | elivery Charge (1/2020 | G @ | Cost of as Rate 04/2020 Page 92 | | LDAC thru 10/2020 <u>Page 97</u> | | Total <u>Rate</u> | | elivery Charge | G | Cost of as Rate age 89 | | LDAC <u>11/19-10/20</u> <u>Page 97</u> | | Total <u>Rate</u> |
| Residential Non Heating - R-5 Customer Charge per Month per Meter All therms | \$ \$ | 19.76 0.4922 | \$ | 0.2679 | \$ | 0.0310 | \$ \$ | 19.76 0.7910 | \$ \$ | 20.15 0.5018 | \$ | 0.4757 | \$ | 0.0310 | \$ \$ | 20.15 1.0085 |
| Residential Heating - R-6 Customer Charge per Month per Meter | \$ | 19.76 | | | | | \$ | 19.76 | \$ | 20.15 | | | | | \$ | 20.15 |
| All therms | \$ | 0.7240 | \$ | 0.2679 | \$ | 0.0310 | \$ | 1.0229 | \$ | 0.7381 | \$ | 0.4757 | \$ | 0.0310 | \$ | 1.244 |
| Residential Heating - R-7 Customer Charge per Month per Meter All therms | \$ \$ \$ | 7.90 10.87 0.3982 | | 0.1473 | \$ | 0.0310 | \$ \$ \$ | 7.90 10.87 0.5765 | \$ \$ \$ | 20.15 0.7381 | \$ | 0.4757 | \$ | 0.0310 | \$ \$ \$ | 20.15 1.2448 |
| Commercial/Industrial - G-44 Customer Charge per Month per Meter Size of the first block | \$ 10 | -0.2896 73.26 0 therms | * | -0.2679 | | | \$ \$ | — 0.5885 73.26 | \$ 2 | -0.2953 74.69 0 therms | | | | | \$ \$ | 0.588 74.6 |
| Therms in the first block per month at All therms over the first block per month at | \$ \$ | 0.6008 0.4035 | \$ \$ | | \$ \$ | 0.0478 0.0478 | \$ \$ | 0.9152 0.7179 | \$ \$ | 0.6126 0.4114 | \$ \$ | 0.4711 0.4711 | | 0.0478 0.0478 | \$ \$ | 1.131 0.930 |
| Commercial/Industrial - G-45 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at | \$ 1000 \$ | 219.82) therms 0.5463 | \$ | 0.2666 | \$ | 0.0478 | \$ \$ | 219.82 0.8607 | \$ 40 \$ | 224.11 0 therms 0.5569 | \$ | 0.4711 | \$ | 0.0478 | \$ \$ | 224.1 1.075 |
| All therms over the first block per month at Commercial/Industrial - G-46 | \$ | 0.3640 | \$ | 0.2666 | \$ | 0.0478 | \$ | 0.6784 | \$ | 0.3711 | \$ | 0.4711 | \$ | 0.0478 | \$ | 0.890 |
| Customer Charge per Month per Meter All therms over the first block per month at | \$ \$ | 943.36 0.3358 | \$ | 0.2666 | \$ | 0.0478 | \$ \$ | 943.36 0.6502 | \$ \$ | 961.78 0.1565 | \$ | 0.4711 | \$ | 0.0478 | \$ \$ | 961.78 0.675 |
| <u>Commercial/Industrial - G-55</u> Customer Charge per Month per Meter Size of the first block | \$ 10 | 73.26 0 therms | | | | | \$ | 73.26 | \$ 10 | 74.69 0 therms | | | | | \$ | 74.6 |
| Therms in the first block per month at All therms over the first block per month at | \$ \$ | 0.3621 0.2354 | \$ \$ | 0.2734 0.2734 | | 0.0478 0.0478 | \$ \$ | 0.6833 0.5567 | \$ \$ | 0.3691 0.2400 | \$ \$ | 0.4828 0.4828 | | 0.0478 0.0478 | \$ \$ | 0.899 0.770 |
| <u>Commercial/Industrial - G-56</u> Customer Charge per Month per Meter Size of the first block | \$ 100 | 219.82 0 therms | | | | | \$ | 219.82 | \$ 100 | 224.11 0 therms | | | | | \$ | 224.1 |
| Therms in the first block per month at All therms over the first block per month at | \$ | 0.3110 0.2071 | | 0.2734 0.2734 | | 0.0478 0.0478 | \$ \$ | 0.6322 0.5283 | \$ \$ | 0.2297 0.1304 | \$ \$ | 0.4828 0.4828 | | 0.0478 0.0478 | \$ \$ | 0.760 0.661 |
| Commercial/Industrial - G-57 Customer Charge per Month per Meter All therms over the first block per month at | \$ \$ | 970.84 0.2174 | \$ | 0.2734 | \$ | 0.0478 | \$ \$ | 970.84 0.5386 | \$ \$ | 989.80 0.1063 | \$ | 0.4828 | \$ | 0.0478 | \$ \$ | 989.8 0.636 |
| <u>Commercial/Industrial - G-58</u> Customer Charge per Month per Meter All therms over the first block per month at | \$ \$ | 970.84 0.0829 | \$ | 0.2734 | \$ | 0.0478 | \$ \$ | 970.84 0.4042 | \$ \$ | 989.80 0.0459 | \$ | 0.4828 | \$ | 0.0478 | \$ \$ | 989.80 0.576 |

30 CALCULATION OF FIRM SALES WINTER PERIOD COST OF GAS RATE - EXCLUDING KEENE CUSTOMERS

| CALCULATION OF PERIOD COVERED: WINTER PEI (Refer to Text in | RIOD, NOVEM | | UGH APRIL | 30, 20 | 20 | |
|--|---|---|---|--|--|--|
| (Col 1) | | | (Col 2) | (C | ol 3) | |
| Total Anticipated Direct Cost of Gas | | s | 52.211.274 | | | |
| Projected Prorated Sales (11/01/19 - 04/30/20) | | • | 87,796,897 | | | |
| Direct Cost of Gas Rate | | | | \$ | 0.5947 | per therm |
| Demand Cost of Gas Rate | | s | 11,060,200 | \$ | 0.1260 | per therm |
| Commodity Cost of Gas Rate | | | 40,875,472 | | | per therm |
| Adjustment Cost of Gas Rate | | | 275,601 | \$ | 0.0031 | per therm |
| Total Direct Cost of Gas Rate | | \$ | 52,211,274 | \$ | 0.5947 | per therm |
| Total Anti-trans dis design (Anti- | | | 0.054.004 | | | |
| Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/19 - 04/30/20) | | \$ | 2,251,324 87,796,897 | | | |
| Indirect Cost of Gas | | | 07,730,037 | \$ | 0.0256 | per therm |
| TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/19 | | | | | | per therm |
| RESIDENTIAL COST OF GAS RATE - 11/01/19 | | COG | | | | /therm |
| Change in Rate due to change in under/over recovery | | 000 | | | 0.0205 | /ulerin |
| RESIDENTIAL COST OF GAS RATE - 01/01/2020 | | COG | wr | \$ | 0.5653 | /therm |
| Change in Rate due to change in under/over recovery | | | | | 0.1469) | |
| RESIDENTIAL COST OF GAS RATE - 02/01/2020 | | COG | wr | | | /therm |
| Change in Rate due to change in under/over recovery | | COG | | | 0.0685) | /th o 2000 |
| RESIDENTIAL COST OF GAS RATE - 03/01/2020 Change in Rate due to change in under/over recovery | | LUG | | | 0.3499 | valet M |
| RESIDENTIAL COST OF GAS RATE - 04/01/2020 | | COG | wr | | 0.2679 | /therm |
| | | Maximum (COG | i + 25%) | | 0.7754 | |
| LOW INCOME RESIDENTIAL COST OF GAS RATE R-4 - 11/01/19 | | 000 | - | | 0.3412 | /therm |
| Change in Rate due to change in under/over recovery | | 000 | | | 0.0303) | |
| LOW INCOME RESIDENTIAL COST OF GAS RATE R-4 - 01/01/2020 | | COG | WF | \$ | 0.3109 | /therm |
| Change in Rate due to change in under/over recovery | | | | | 0.0808) | |
| LOW INCOME RESIDENTIAL COST OF GAS RATE R-4 - 02/01/2020 | | COG | wr | | 0.2301 | /therm |
| Change in Rate due to change in under/over recovery LOW INCOME RESIDENTIAL COST OF GAS RATE R-4 - 03/01/2020 | | COG | w. | | 0.0377) | /thorm |
| Change in Rate due to change in under/over recovery | | | | | 0.0451) | /////// |
| LOW INCOME RESIDENTIAL COST OF GAS RATE R-4 - 04/01/2020 | | COG | wr | | | /therm |
| | | Maximum (COG | i + 25%) | \$ | 0.4265 | |
| | | Maximum (COG | , | \$ | | /therm |
| Change in Rate due to change in under/over recovery | | | wl | \$ \$ (| 0.4265 0.6258 | |
| Change in Rate due to change in under/over recovery C&I LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery | | 005 003 | wl | \$ \$ (\$ \$ (| 0.4265 0.6258 0.0550) 0.5708 0.1469) | /therm |
| Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 02/01/2020 | | COG | wl | \$ \$ () \$ () \$ () \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 | /therm |
| Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 61/01/2020 Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery | | COG COG COG | wi wi | \$ \$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) | /therm /therm |
| Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery CAI LOW WINTER USE COST OF GAS RATE - 03/01/2020 | | 005 003 | wi wi | \$ \$ (\$ \$ (\$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 | /therm /therm |
| Change in Rate due to change in under/over recovery CAL LOW WINTER USE COST OF GAS FATE - 01/01/2020 Change in Rate due to change in under/over recovery CAL LOW WINTER USE COST OF GAS FATE - 02/01/2020 Change in Rate due to change in under/over recovery CAL LOW WINTER USE COST OF GAS FATE - 03/01/2020 Change in Rate due to change in under/over recovery | | COG COG COG | wi wi wi | \$ \$ (\$ \$ (\$ (| 0.4265 0.6258 (0.0550) 0.5708 (0.1469) 0.4239 (0.0685) 0.3554 (0.0820) | /therm /therm /therm |
| Cal LOW WINTER USE COST OF GAS RATE - 11/01/19 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 04/01/2020 Average Demand Cost of Gas Rate Effective 11/01/19 Times: Low Winter Use Ratio (Winter) Times: Corection Factor | \$ 0.1260 1.0465 0.9976 | 003 003 003 003 | wi wi wi wi | \$ \$ (\$ \$ (\$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 | /therm /therm /therm |
| Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 03/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 04/01/2020 Cal LOW WINTER USE COST OF CAS RATE - 04/01/2020 Average Demand Cost Of Cas Rate Effective 11/01/19 Times: Low Winter Use Ratio (Winter) | 1.0465 | 903 903 903 903 903 | wi wi wi wi | \$ \$ (\$ \$ (\$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 0.0820) 0.2734 | /therm /therm /therm |
| Change in Rate due to change in under/over recovery C&I LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery C&I LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery C&I LOW WINTER USE COST OF GAS RATE - 03/01/2020 Change in Rate due to change in under/over recovery C&I LOW WINTER USE COST OF GAS RATE - 04/01/2020 CAIL DOW WINTER USE COST OF GAS RATE - 04/01/2020 Average Demand Cost of Gas Rate Eflective 11/01/19 Times: Low Winter Use Ratio (Winter) Times: Correction Factor Adjusted Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjustment Cost of Gas Rate | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 \$ 0.0031 | 903 903 903 903 903 | wi wi wi wi | \$ \$ (\$ \$ (\$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 0.0820) 0.2734 | /therm /therm /therm |
| Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 03/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF CAS RATE - 04/01/2020 Cal LOW WINTER USE COST OF CAS RATE - 04/01/2020 Average Demand Cost Of Cas Rate Effective 11/01/19 Times: Correction Factor Adjusted Demand Cost of Gas Rate Commodity Cost of Gas Rate | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 | 903 903 903 903 903 | wi wi wi wi | \$ \$ (\$ \$ (\$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 0.0820) 0.2734 | /therm /therm /therm |
| Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 0/01/02/00 Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 0/01/02/00 Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 0/01/02/00 Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 0/01/02/00 Change in Rate due to change in under/over recovery Col LOW WINTER USE COST OF CAS RATE - 0/01/02/00 Average Demand Cost of Cas Rate Effective 11/01/19 Times: Correction Factor Adjusted Demand Cost of Cas Rate Adjusted Demand Cost of Cas Rate Adjusted Cas Low Winter Use Cato | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 \$ 0.0031 \$ 0.0256 | 903 903 903 903 903 | wl wl wl wl : + 25%) | \$ () \$ () \$ () \$ () \$ () \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.4239 0.0685) 0.3554 0.0820) 0.2734 | /therm /therm /therm |
| Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 03/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 03/01/2020 Average Demand Cost of Gas Rate Effective 11/01/19 Times: Low Winter Use Ratio (Winter) Adjusted Demand Cost of Gas Rate Adjusted Demand Cost of Gas Rate Adjusted Demand Cost of Gas Rate Adjusted Cal Low Winter Use Cost of Gas Rate Adjusted Cal Low Winter Use Cost of Gas Rate Adjusted Cal Low Winter Use Cost of Gas Rate Cal HIGH WINTER USE COST OF GAS RATE - 11/01/19 Change in Rate due to change in under/over recovery | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 \$ 0.0031 \$ 0.0256 | COG COG COG COG Maximum (COG | wl wl wl i+ 25%) | \$ () \$ () \$ () \$ () \$ () \$ \$ () \$ \$ () \$ () | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.469) 0.3554 0.0820) 0.2734 0.7823 0.7823 0.6190 0.0550) | /therm /therm /therm /therm |
| Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2020 Cal LOW WINTER USE COST OF GAS FATE - 0/10/1/2021 Cange in Fate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 1/10/1/19 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS FATE - 1/10/1/19 Change in Rate due to Change in under/over recovery Cal HIGH WINTER USE COST OF GAS FATE - 1/10/1/19 Change in Rate due to Change in under/over recovery | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 \$ 0.0031 \$ 0.0256 | COG COG COG COG COG Maximum (COG | wl wl wl i+ 25%) | \$ () \$ () \$ () \$ () \$ () \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.0550) 0.5708 0.1469) 0.0685) 0.0685) 0.06820) 0.07823 0.7823 0.7823 | /therm /therm /therm /therm |
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| Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal HOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal HGH WINTER USE COST OF GAS RATE - 01/01/19 Change in Rate due to change in under/over recovery Cal HGH WINTER USE COST OF GAS RATE - 01/01/19 Change in Rate due to change in under/over recovery Cal HGH WINTER USE COST OF GAS RATE - 01/01/203 Change in Rate due to change in under/over recovery Cal HGH WINTER USE COST OF GAS RATE - 01/01/203 Change in Rate due to change in under/over recovery Cal HGH WINTER USE COST OF GAS RATE - 20/12/013 Change in Rate USE COST OF GAS RATE - 20/12/013 Change in Rate USE COST OF GAS RATE - 20/12/013 Change in Rate USE COST OF GAS RATE - 20/12/013 Change in Rate USE COST OF GAS RATE - 20/12/013 Change in Rate Use to change in under/over recovery Cal HGH WINTER USE COST OF GAS RATE - 20/12/013 Change in Rate Use CoST OF GAS RATE - 20/12/013 Change in Rate Use CoST OF GAS RATE - 20/12/013 Change in Rate Must CAS COST OF GAS RATE - 20/12/013 Change in Rate MUSE COST OF GAS RATE - 20/12/013 Change in Rate Must CAS COST OF GAS RATE - 20/12/013 Change Demand Cost of Gas Rate Elective 11/01/19 Times: Correction Factor Adjusted Demand Cost of Gas Rate | 1.0465 0.9976 \$ 0.1315 \$ 0.4656 \$ 0.0031 \$ 0.0256 \$ 0.6258 \$ 0.6258 \$ 0.1260 0.9918 0.9918 | C06 C06 C06 C06 C06 C06 C06 C06 C06 C06 | wl wl wl wi wi :+ 25%) wh wh wh wh | \$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.05708 0.4239 0.4239 0.489 0.4239 0.4239 0.4239 0.4239 0.4239 0.4239 0.469 0.0885 0.08820 0.7823 0.7823 0.7823 0.7823 0.7823 0.7823 0.0540 0.0540 0.0540 0.0546 0.0469 0.04491 0.03486 | /therm /therm /therm /therm /therm /therm |
| Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 01/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Change in Rate due to change in under/over recovery Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Cal LOW WINTER USE COST OF GAS RATE - 02/01/2020 Average Demand Cost of Gas Rate Effective 11/01/19 Times: Correction Factor Adjusted Demand Cost of Gas Rate Adjusted Demand Cost of Gas Rate Commodity Cost of Gas Rate Adjusted Cal LOW WINTer Use Cost of Gas Rate Commodity Cost of Gas Rate Adjusted Cal LOW WINTer Use Cost of Gas Rate Commodity Cost of Gas Rate Adjusted Cal LOW WINTer Use Cost of Gas Rate Cost of Gas Rate Cost of Gas Rate Cal HIGH WINTER USE COST OF GAS RATE - 01/01/19 Change in Rate due to change in under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change in under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change in under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change in under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change in under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change In under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate due to change In under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate Mate to change In under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate Mate to change In under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate Mate to change In under/over recovery Cal HIGH WINTER USE COST OF GAS RATE - 201/2013 Change In Rate Mate to change In under/over recovery | 1.0465 0.9975 \$ 0.1315 \$ 0.4656 \$ 0.0031 \$ 0.0256 \$ 0.6258 \$ 0.6258 | C06 C06 C06 C06 C06 C06 C06 C06 C06 C06 | wl wl wl wi wi :+ 25%) wh wh wh wh | \$ \$ \$ \$ \$ \$ | 0.4265 0.6258 0.05708 0.4239 0.4239 0.489 0.4239 0.4239 0.4239 0.4239 0.4239 0.4239 0.469 0.0885 0.08820 0.7823 0.7823 0.7823 0.7823 0.7823 0.7823 0.0540 0.0540 0.0540 0.0546 0.0469 0.04491 0.03486 | /therm /therm /therm /therm /therm /therm |
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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 Cov | vered: Winter Period November 1, 2019 through April | 30, 2020 | |
| Projected | Gas Sales - therms | 1,125,331 | |
| Total Antio | cipated Cost of Gas Sendout | \$1,246,677 | |
| Add: | Prior Period Deficiency Uncollected Interest | \$0 \$0 | |
| Deduct: | Prior Period Excess Collected Adjusting Entries May-August 2019 Interest | (\$164,410) (\$9,686) (\$4,407) | |
| | Prior Period Adjustments and Interest | (\$178,503) | |
| Total Antio | cipated Cost | \$1,068,174 | |
| Cost of Ga | s Rate | Excluding Low Inco | ome Low Income |
| Non-Fixed | Price Option Cost of Gas Rate - Beginning Period (per therm) | <u>\$0.9492</u> | \$0.522 |
| Fixed Price | e Option Premium | \$0.0200 | \$0.0110 |
| Fixed Price | e Option Cost of Gas Rate (per therm) | <u>\$0.9692</u> | <u>\$0.533</u> |
| Non-Fixed | Price Option Cost of Gas Rate - Beginning Period (per therm) | \$0.9492 | \$0.5221 |
| Mid Perio | d Adjustment - January 2020 | \$0.0194 | \$0.0107 |
| Mid Perio | d Adjustment - February 2020 | (\$0.0334) | (\$0.0184 |
| Mid Perio | d Adjustment - March 2020 | (\$0.2446) | (\$0.1345 |
| Mid Perio | d Adjustment - April 2020 | (\$0.2498) | (\$0.1374 |
| | | \$0.4408 | \$0.2424 |
| | to tariff section 17(d), the Company may adjust the approved rate upward on a monthly basis to the following rate: | | |
| Maximum | Cost of Gas Rate - Non-Fixed Price Option (per therm) | <u>\$1.1865</u> | <u>\$0.6526</u> |

35 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE CALCULATION Local Delivery Adjustment Clause Calculation

| | | | | Sales | Transportatio | n |
|--|----|--------------------------------------|----|---|---|---|
| Residential Non Heating Rates - R-1, R-5 | | | Cu | stomers | Customers | |
| Energy Efficiency Charge | \$ | 0.0640 | | | | |
| Demand Side Management Charge | | 0.0000 | | | | |
| Conservation Charge (CCx) | | | \$ | 0.0640 | | |
| Relief Holder and pond at Gas Street, Concord, NH | | 0.0000 | | | | |
| Manufactured Gas Plants | | 0.0153 | | | | |
| Environmental Surcharge (ES) | | | | 0.0153 | | |
| Revenue Decoupling Adjustment Factor (RDAF) | | | | (0.0623) | | |
| Energy Efficiency Resource Standard Lost Revenue Mechanism | | | | 0.0001 | | |
| Rate Case Expense Factor (RCEF) | | | | 0.0017 | | |
| Residential Low Income Assistance Program (RLIAP) | | | | 0.0123 | | |
| LDAC | | | \$ | 0.0310 | | per ther |
| Residential Heating Rates - R-3, R-4, R-6, R-7 | | | | | | |
| Energy Efficiency Charge | \$ | 0.0640 | | | | |
| Demand Side Management Charge | Ŷ | 0.0000 | | | | |
| Conservation Charge (CCx) | | 0.0000 | \$ | 0.0640 | | |
| Relief Holder and pond at Gas Street, Concord, NH | | 0.0000 | φ | 0.0040 | | |
| | | | | | | |
| Manufactured Gas Plants | | 0.0153 | | 0.045- | | |
| Environmental Surcharge (ES) | | | | 0.0153 | | |
| Revenue Decoupling Adjustment Factor (RDAF) | | | | (0.0623) | | |
| Energy Efficiency Resource Standard Lost Revenue Mechanism | | | | 0.0001 | | |
| Rate Case Expense Factor (RCEF) | | | | 0.0017 | | |
| Residential Low Income Assistance Program (RLIAP) | | | | 0.0123 | | |
| DAC | | | \$ | 0.0310 | | per the |
| | | | | | | |
| Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55 | | | | | | |
| Energy Efficiency Charge | | \$0.0426 | | | | |
| Demand Side Management Charge | | 0.0000 | | | | |
| Conservation Charge (CCx) | | | \$ | 0.0426 | \$ 0.042 | 6 |
| Relief Holder and pond at Gas Street, Concord, NH | | 0.0000 | | | | |
| Manufactured Gas Plants | | 0.0153 | | | | |
| Environmental Surcharge (ES) | | | | 0.0153 | 0.015 | 3 |
| Revenue Decoupling Adjustment Factor (RDAF) | | | | (0.0241) | (0.024 | 1) |
| Energy Efficiency Resource Standard Lost Revenue Mechanism | | | | 0.0001 | 0.000 | |
| Rate Case Expense Factor (RCEF) | | | | 0.0017 | 0.001 | |
| Residential Low Income Assistance Program (RLIAP) | | | | 0.0123 | 0.012 | |
| LDAC | | | \$ | 0.0478 | | 8 per the |
| | | | | | | |
| | | | | | | |
| | | \$0.0426 | | | | |
| Energy Efficiency Charge | | \$0.0426 | | | | |
| Energy Efficiency Charge Demand Side Management Charge | | \$0.0426 0.0000 | | 6 0.0400 | 6 0.040 | |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) | | 0.0000 | | \$0.0426 | \$0.042 | !6 |
| Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH | | 0.0000 | | \$0.0426 | \$0.042 | 16 |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCX) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants | | 0.0000 | | •••• | | - |
| Energy Efficiency Charge Permand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Janufactured Gas Plants Environmental Surcharge (ES) | | 0.0000 | | 0.0153 | 0.015 | 13 |
| Energy Efficiency Charge Demand Side Management Charge Onservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH danufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) | | 0.0000 | | 0.0153 (0.0241) | 0.015 | i3 i1) |
| Energy Efficiency Charge Demand Side Management Charge Onservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH danufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) | | 0.0000 | | 0.0153 | 0.015 | i3 i1) |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism | | 0.0000 | | 0.0153 (0.0241) | 0.015 (0.024 | i3 i1) i1 |
| Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) | | 0.0000 | | 0.0153 (0.0241) 0.0001 | 0.015 (0.024 0.000 | i3 i1) i1 7 |
| Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCX) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) | | 0.0000 | \$ | 0.0153 (0.0241) 0.0001 0.0017 | 0.015 (0.024 0.000 0.001 0.012 | i3 i1) i1 7 <u>i3</u> |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCX) Relief Holder and pond at Gas Street, Concord, NH Aanufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) LDAC | | 0.0000 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 | 0.015 (0.024 0.000 0.001 0.012 | i3 i1) i1 7 <u>i3</u> |
| Energy Efficiency Charge Donsenation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57,G-58 | | 0.0000 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 | 0.015 (0.024 0.000 0.001 0.012 | i3 i1) i1 7 <u>i3</u> |
| Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCx) Velief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Vate Case Expense Factor (RCEF) Vesidential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57,G-58 Energy Efficiency Charge | \$ | 0.0000 0.0000 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 | 0.015 (0.024 0.000 0.001 0.012 | i3 i1) i1 7 <u>i3</u> |
| Energy Efficiency Charge Demand Side Management Charge Onservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Wanufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Demand Side Management Charge | \$ | 0.0000 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 0.0478 | 0.015 (0.024 0.000 0.001 0.012 \$ 0.047 | 33 1) 1 7 3 8 per the |
| Energy Efficiency Charge Donsentation Charge (CCx) Velicif Holder and pond at Gas Street, Concord, NH Valuidactured Gas Plants Finiformental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Vesidential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57,G-58 Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 | 0.015 (0.024 0.000 0.001 0.012 | 33 1) 1 7 3 8 per the |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCX) Relief Holder and pond at Gas Street, Concord, NH Aanufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Nate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Demand Side Management Charge Donsentation Charge (CCX) Reifel Holder and pond at Gas Street, Concord, NH | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 0.0478 | 0.015 (0.024 0.000 0.001 0.012 \$ 0.047 | 33 41) 41 41 41 7 7 7 8 9 9 1 1 |
| Energy Efficiency Charge Demand Side Management Charge Donsenation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.017 0.0123 0.0478 \$0.0426 | 0.015 (0.024 0.000 0.012 \$ 0.047 \$ 0.047 | 33 11) 11 7 7 8 per the 16 |
| Energy Efficiency Charge Donsenation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Anaufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Nate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Domsentation Charge Domsentation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Anaufactured Gas Plants Environmental Surcharge (ES) | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 0.0478 | 0.015 (0.024 0.000 0.001 0.012 \$ 0.047 \$ 0.047 | 33 11) 11 7 7 33 8 per the 16 |
| Energy Efficiency Charge Donsentation Charge (CX) Valief Holder and pond at Gas Street, Concord, NH Valuarized Gas Plants Finiformental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Nate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) DAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Donservation Charge (CX) Valief Holder and pond at Gas Street, Concord, NH Valuarized Case Street, Concord, NH Valuarized Case Plants Energy Efficiency Charge Donservation Charge (CX) Valief Holder and pond at Gas Street, Concord, NH Valuarized Case Plants Environmental Surcharge (ES) | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.017 0.0123 0.0478 \$0.0426 | 0.015 (0.024 0.000 0.012 \$ 0.047 \$ 0.047 | 33 11) 11 7 7 33 8 per the 16 |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) LDAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Demand Side Management Charge Donservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0017 0.0123 0.0478 \$0.0426 0.0153 | 0.015 (0.024 0.000 0.001 0.012 \$ 0.047 \$ 0.047 | 33 11) 11 7 7 33 per ther 16 |
| Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56 Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CX) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) LDAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCX) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Environmental Surcharge (RCEF) Revenue Decoupling Adjustment Factor (RDAF) Environmental Surcharge (RCEF) Revenue Decoupling Adjustment Factor (RDAF) Environmental Surcharge (RCEF) | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 0.0478 \$0.0426 | 0.015 (0.024 0.000 0.001 5 0.047 \$ 0.047 | 33 11) 11 7 33 8 per ther 16 13 13 14) 11 |
| Energy Efficiency Charge Demand Side Management Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism Rate Case Expense Factor (RCEF) Residential Low Income Assistance Program (RLIAP) LDAC Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58 Energy Efficiency Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Charge Conservation Charge (CCx) Relief Holder and pond at Gas Street, Concord, NH Manufactured Gas Plants Environmental Surcharge (ES) Revenue Decoupling Adjustment Factor (RDAF) Energy Efficiency Resource Standard Lost Revenue Mechanism | \$ | 0.0000 0.0000 0.0153 0.0153 | \$ | 0.0153 (0.0241) 0.0001 0.0017 0.0123 0.0478 \$0.0426 0.0153 (0.0241) 0.00015 | 0.015 (0.024 0.000 0.001 0.012 \$ 0.047 \$ 0.047 \$ 0.047 \$ 0.047 | 33 11) 11 7 33 36 96 16 13 13 14) 14 7 |

Superseding Original Page 66 VI. RATE SCHEDULES

RATE SCHEDULE R-10 - LOW INCOME RESIDENTIAL HEATING SERVICE (continued)

RATE – MONTHLY

| Customer Charge | | | | \$8.88 per month | | |
|-----------------|--------|-------------------------------------|--------|--|--|--|
| Summer | - | First 50 therms Excess 50 therms | @ @ | \$0.2440 per therm \$0.2440 per therm | | |
| Winter | - - | First 50 therms Excess 50 therms | @ @ | \$0.2768 per therm \$0.2768 per therm | | |

LOW INCOME DISCOUNT ADJUSTMENT

Effective November 1, 2020, customers taking service under this rate schedule will receive a 45% discount off the customer charge as well as the distribution rate and cost of gas rate during the winter period. The discount does not apply during the summer period and does not apply to the Local Delivery Adjustment Charge.

MINIMUM BILL

The minimum monthly bill for gas service will be the Customer Charge Per Month.

COST OF GAS FACTOR AND LOCAL DELIVERY ADJUSTMENT CLAUSE

The provisions of the Company's Cost of Gas Charge, Part IV, and the Local Delivery Adjustment Charge, Part V, apply to gas sold under this rate schedule.

DEFINITIONS

Summer - Defined as being the Company's billing cycles May through October.

Winter - Defined as being the Company's billing cycles November through April.

Issued: May 9, 2018 Effective: May 1, 2018 : Issued By: MRHClas Title Senior Vice President

Authorized by NHPUC Order No. 26,169 in Docket No. DG 17-070, dated May 2, 2018.

Seventh Revised Page 85 Superseding Sixth Page 85

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION WINTER SEASON RESIDENTIAL RATES

| | Winter Season | | Total | Total Billed Rates | |
|--|---|--|---|--|--|
| | November 2019 - April 2020 | Tariff | Delivery Rates | Tariff Rates, LDAC Plus Cost of Gas | |
| | | Rates | (Includes LDAC) | | |
| Residential Heating | Tariff Rate R 5: Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment: Cost of Gas | \$22.20 \$0.6920 \$0.6920 \$0.0706 \$0.5626 | \$22.20 \$0.7626 \$0.7626 | \$22.20 \$1.3252 \$1.3252 | |
| Residential Heating Low Income | Tariff Rate R 10: Monthly Customer Charge First 50 therms All usage over 50 therms | \$22.20 \$0.6920 \$0.6920 | \$22.20 \$0.7626 \$0.7626 | \$22.20 \$1.3252 \$1.3252 | |
| | LDAC Gas Cost Adjustment: Cost of Gas | \$0.0706 \$0.5626 | | • | |
| 45% Low Income Discount 45% Low Income Discount 45% Low Income Discount No Discount | Monthly Customer Charge First 50 therms All usage over 50 therms LDAC Gas Cost Adjustment: | <u>(\$9.99)</u> (<u>\$0.3114)</u> <u>(\$0.3114)</u> <u>\$0.0000</u> | <u>(\$9.99)</u> (<u>\$0.3114)</u> (<u>\$0.3114)</u> | (\$9.99) (\$0.5646) (\$0.5646) | |
| 45% Low Income Discount | <u>Cost of Gas</u> | <u>(\$0.2532)</u> | | | |
| Residential Non-Heating | Tariff Rate R 6: Monthly Customer Charge First 10 therms All usage over 10 therms LDAC Gas Cost Adjustment: | \$22.20 \$0.6470 \$0.6470 \$0.0706 | \$22.20 \$0.7176 \$0.7176 | \$22.20 \$1.2802 \$1.2802 | |
| | Cost of Gas | \$0.5626 | | | |

Issued: November 25, 2019Issued By:Christine VaughanEffective: With Service Rendered On and After December 1, 2019Title:Senior Vice PresidentAuthorized by NHPUC Order No. 26,303 in Docket No. DG 19-154, dated October 29, 2019Title:Senior Vice President

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC.

Seventh Revised Page 86 Superseding Sixth Revised Page 86

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION SUMMER SEASON RESIDENTIAL RATES

| | Summer Season | | Total | Total Billed Rates | |
|-------------------------|--------------------------|-----------------|-----------------|--------------------|---------|
| | July 2020 - October 2020 | Tariff | Delivery Rates | Tariff Rates, LDAC | |
| | - | Rates | (Includes LDAC) | Plus Cost | of Gas |
| Residential Heating | Tariff Rate R 5: | | | | |
| | Monthly Customer Charge | \$22.20 | \$22.20 | | \$22.20 |
| | First 50 therms | \$0.6099 | \$0.6805 | \$0.8301 | |
| | All usage over 50 therms | \$0.6099 | \$0.6805 | \$0.8301 | |
| | LDAC | \$0.0706 | | | |
| | Gas Cost Adjustment: | | | | |
| | Cost of Gas | \$0.1496 | | | |
| Residential Heating | Tariff Rate R 10: | | | | |
| Low Income | Monthly Customer Charge | \$22.20 | \$22.20 | | \$22.20 |
| | First 50 therms | \$0.6099 | \$0.6805 | \$0.8301 | |
| | All usage over 50 therms | \$0.6099 | \$0.6805 | \$0.8301 | |
| | LDAC | \$0.0706 | | | |
| | Gas Cost Adjustment: | | | | |
| | Cost of Gas | \$0.1496 | | | |
| No Discount* | Monthly Customer Charge | \$0.00 | \$0.00 | | \$0.00 |
| <u>No Discount*</u> | First 50 therms | \$0.0000 | \$0.0000 | \$0.0000 | |
| No Discount* | All usage over 50 therms | \$0.0000 | \$0.0000 | \$0.0000 | |
| No Discount | LDAC | <u>\$0.0000</u> | | | |
| | Gas Cost Adjustment: | | | | |
| <u>No Discount*</u> | Cost of Gas | <u>\$0.0000</u> | | | |
| Residential Non-Heating | Tariff Rate R 6: | | | | |
| , s | Monthly Customer Charge | \$22.20 | \$22.20 | | \$22.20 |
| | First 10 therms | \$0.6470 | \$0.7176 | \$0.8672 | |
| | All usage over 10 therms | \$0.6470 | \$0.7176 | \$0.8672 | |
| | LDAC | \$0.0706 | | • • • | |
| | Gas Cost Adjustment: | | | | |
| | Cost of Gas | \$0.1496 | | | |

*: Discount applicable to winter months November through April only.

Issued: June 23, 2020

Effective: With Service Rendered On and After July 1, 2020Issued by:Laurence M. BrockAuthorized by NHPUC Order No. 26,303, in Docket No. DG 19-154, dated October 29, 2019.Title:Senior Vice President