

CHECK SHEET .....	1
I. GENERAL TERMS AND CONDITIONS.....	6
1 SERVICE AREA .....	6
2 GENERAL TERMS AND CONDITIONS .....	6
3 CHARACTER OF SERVICE .....	6
4 CUSTOMER'S INSTALLATION .....	7
5 APPLICATION FOR SERVICE.....	7
6 CREDIT.....	8
7 SERVICE AND MAIN EXTENSIONS .....	8
8 INTRODUCTION OF SERVICE .....	12
9 COMPANY EQUIPMENT ON CUSTOMER'S PREMISES .....	12
10 SERVICE CONTINUITY .....	13
11 CUSTOMER'S USE OF SERVICE .....	13
12 INSPECTIONS .....	13
13 MEASUREMENT.....	13
14 METER TESTS.....	14
15 DISCONNECTION BY THE COMPANY .....	14
16.1 COST OF GAS CLAUSE EXCLUDING KEENE .....	15
16.2 COST OF GAS CLAUSE – KEENE DIVISION.....	31
17 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE AND NORMAL WEATHER ADJUSTMENT.....	32
18 SUPPLY & CAPACITY SHORTAGE ALLOCATION POLICY .....	41B
II. RATE SCHEDULES .....	44
1 RESIDENTIAL NON-HEATING RATE: CLASSIFICATION NO. R-1.....	44
2 RESIDENTIAL HEATING RATE: CLASSIFCATION NO. R-3 .....	46
3 LOW INCOME RESIDENTIAL HEATING RATE: CLASSIFICATION NO. R-4.....	48
4 MANAGED EXPANSION PROGRAM RESIDENTIAL NON-HEATING RATE: CLASSIFICATION NO. R-5.....	50
5 MANAGED EXPANSION PROGRAM RESIDENTIAL HEATING RATE: CLASSIFICATION NO. R-6.....	52
6 MANAGED EXPANSION PROGRAM LOW INCOME RESIDENTIAL HEATING RATE: CLASSIFCATION NO. R-7 .....	54
7 COMMERICAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, HIGH WINTER USE RATE CLASSIFCATION NO. G-41 .....	56
8 COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, HIGH WINTER USE RATE CLASSIFICATION NO. G-42 .....	58

DATED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

9	COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, HIGH WINTER USE RATE CLASSIFICATION NO. G-43 .....	60
10	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, HIGH WINTER USE RATE CLASSIFICATION NO. G-4.....	62
11	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, HIGH WINTER USE RATE CLASSIFICATION NO. G-45 .....	64
12	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, HIGH WINTER USE RATE CLASSIFICATION NO. G-46....	66
13	COMMERCIAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, LOW WINTER USE RATE CLASSIFICATION NO. G-51.....	68
14	COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, LOW WINTER USE RATE CLASSIFICATION NO. G-52 .....	70
15	COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR LESS THAN 90% RATE CLASSIFICATION NO. G-53 .....	72
16	COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR GREATER THAN 90% RATE CLASSIFICATION NO. G-54.....	74
17	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, LOW WINTER USE RATE CLASSIFICATION NO. G-55.....	76
18	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, LOW WINTER USE RATE CLASSIFICATION NO. G-56 .....	78
19	MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR LESS THAN 90% RATE CLASSIFICATION NO. G-57 .....	80
20	COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR GREATER THAN 90% RATE CLASSIFICATION NO. G-58.....	82
21	OUTDOOR GAS LIGHTING .....	83
22	FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS .....	84
23	FIRM RATE SCHEDULES KEENE CUSTOMERS.....	85
24	FIRM RATE SCHEDULES - MANAGED EXPANSION PROGRAM-EXCLUDING KEENE CUSTOMERS .....	86
25	FIRM RATE SCHEDULES - OUTDOOR GAS LIGHTING .....	87
26	ANTICIPATED SUMMER PERIOD COST OF GAS EXCLUDING KEENE CUSTOMERS .....	88
27	CALCULATION OF FIRM SALES SUMMER PERIOD COST OF GAS RATE EXCLUDING KEENE CUSTOMERS.....	89
28	CALCULATION OF SUMMER PERIOD COST OF GAS RATE KEENE CUSTOMERS.....	90

DATED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

<u>Page</u>	<u>Revision</u>
Title	Original
TOC i	First Revised
TOC ii	First Revised
TOC iii	Original
TOC iv	Original
1	Eighth Revised
2	Second Revised
3	Seventh Revised
4	Sixth Revised
5	Original
6	Original
7	Original
8	Original
9	Original
10	Original
11	Original
12	Original
13	Original
14	Original
15	Original
16	Original
17	Original
18	Original
19	Original
20	Original
21	Original
22	Original
23	Original
24	Original

ISSUED: November 16, 2018

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

EFFECTIVE: November 01, 2018

TITLE: President

<u>Page</u>	<u>Revision</u>
25	Original
26	Original
27	Original
28	Original
29	Original
30	Original
31	Original
32	First Revised
33	First Revised
34	First Revised
35	First Revised
36	First Revised
37	First Revised
38	First Revised
39	First Revised
40	First Revised
41	First Revised
41A	Original
41B	Original
42	Original
43	Original
44	Second Revised
45	Original
46	Second Revised
47	Original
48	Second Revised
49	Original
50	Second Revised
51	Original
52	Second Revised
53	Original
54	Second revised
55	Original

ISSUED: November 14, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

<u>Page</u>	<u>Revision</u>
56	Second Revised
57	Original
58	Second Revised
59	Original
60	Second Revised
61	Original
62	Second Revised
63	Original
64	Second Revised
65	Original
66	Second Revised
67	Original
68	Second Revised
69	Original
70	Second Revised
71	Original
72	Second Revised
73	Original
74	Second Revised
75	Original
76	Second Revised
77	Original
78	Second Revised
79	Original
80	Second Revised
81	Original
82	Second Revised
83	First Revised
84	Sixth Revised
85	Seventh Revised
86	Sixth Revised

ISSUED: November 14, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

<b><u>Page</u></b>	<b><u>Revision</u></b>
87	First Revised
88	First Revised
89	Fifth Revised
90	Fifth Revised
91	First Revised
92	First Revised
93	First Revised
94	First Revised
95	First Revised
96	First Revised
97	First Revised
98	Original
99	Original
100	Original
101	Original
102	Original
103	Original
104	Original
105	Original
106	Original
107	Original
108	Original
109	Original
110	Original
111	Original
112	Original
113	Original
114	Original
115	Original
116	Original
117	Original

ISSUED: November 14, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

The winter cost of gas rate will be applied to billings commencing with the first November revenue billing cycle; the summer cost of gas rate will be applied to billings commencing with the first May revenue billing cycle.

- C. Calculation. The amount of the cost of gas rate is the anticipated unit cost of gas sold.

At the conclusion of each winter and summer period the Company will calculate the extent that cost of gas revenues are greater or less than actual unit costs of gas compared with the anticipated unit costs. The calculated difference (actual gas sales volumes multiplied by the difference between actual and anticipated unit costs) will be carried forward into the computation of the cost of gas rate for the corresponding winter or summer period.

Any excess revenue collected, as determined above, will earn interest as specified by the Commission.

- D. Changes. The cost of gas rate may be adjusted without further Commission action based on the projected over-/under-collection of gas costs, the adjusted rate to be effective the first of the month. Any such rate adjustments may not exceed a maximum rate of 25 percent above the approved rate, but there is no limit on the amount of any rate reductions.
- E. Refunds. When refunds are made to the Company by its suppliers that are applicable to increased charges collected under this provision, the Company will make appropriate refunds to its customers and as the Commission may direct.
- F. Reporting. The Company shall submit to the Commission, at least 30 days prior to the effective date, the proposed winter and summer period cost of gas rate computation. Any monthly adjustments to the cost of gas rate must be filed five (5) business days prior to the first day of the subsequent month (the effective date of the new rate).

The cost of gas rate shall be computed to the nearest one hundredth cent per therm and shown on customers' bills.

- G. Fixed Price Option Program. An alternative to the traditional winter period cost of gas rate mechanism may be elected by the customer pursuant to the Company's Fixed Price Option (FPO) Program. The Company may offer up to 50% of its expected firm sales for the winter period under the FPO Program. The cost of gas charge offered under the FPO Program will remain fixed for all winter period billings commencing November 1 and ending April 30 of the effective winter period. Once elected, customers must remain on the FPO Program for the duration of the winter period unless service is terminated. There are no maximum or minimum usage levels. Customers may enroll in this Program by contacting the Company between the October 1 and October 19 period immediately preceding the effective winter period.

## **17 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE AND NORMAL WEATHER ADJUSTMENT**

- A. Purpose. The purpose of the Local Distribution Adjustment Clause ("LDAC" or this "Clause") is to establish procedures that allow the Company, subject to the jurisdiction of the NHPUC, to adjust, on an annual basis, its delivery charges in order to recover Conservation Charges ("CC"), Revenue Decoupling Adjustment Factor ("RDAF"), Winter Period Surcharges ("WPS"), Environmental Surcharges ("ES") including the Relief Holder Surcharge ("RHS") and the Manufactured Gas Program Surcharge ("MGP"), rate case expenses ("RCE"), Residential Low

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

Income Assistance Program costs (“RLIAP”) and any other expenses the NHPUC may approve from time to time. The purpose of the Normal Weather Adjustment (“NWA”) is to establish procedures that allow the Company, subject to the jurisdiction of NHPUC, to calculate and apply, for each customer on a monthly basis, the Normal Weather Factor (“NWF”).

- B. Applicability. This Clause shall be applicable in whole or part to all of the Company's firm sales service and firm delivery service customers as shown on the table below. The application of this clause may, for good cause shown, be modified by the NHPUC. See Section 17(K) “Other Rules.”

<b>Applicability</b>	<b>CC 17(C)</b>	<b>RDAF 17(D)</b>	<b>ES 17(E)</b>	<b>RCE 17(F)</b>	<b>RLIAP 17(G)</b>
Residential Non-Space Heating – R-1, R-5	1	1	X	1	X
Residential Space Heating – R-3, R-4, R-6, R-7	1	1	X	1	X
Small C&I – G-41, G-51, G-44, G-55	1	1	X	1	X
Medium C&I – G-42, G-52, G-45, G-56	1	1	X	1	X
Large C&I – G-43, G-53, G-54, G-46, G-57, G-58	1	1	X	1	X

**Notes:**

N/A Not applicable

X Applicable to all

1 Applicable to Non-Managed Expansion Program Customers

- C. Conservation Charges Allowable for LDAC.

1. Purpose: The purpose of this provision is to establish a procedure that allows the Company, subject to the jurisdiction of the NHPUC, to adjust, on an annual basis, the Conservation Charge, if and when applicable, to firm sales service and firm delivery service throughput in order to recover from firm customers costs and lost margins associated with its energy efficiency management programs.
2. Applicability: A conservation charge shall be applied to therms sold or transported by the Company subject to the jurisdiction of the Commission as determined in accordance with the provision of this rate schedule. Such conservation charge shall be determined annually by the Company, separately for the Residential Heating, and Commercial/Industrial rate categories, subject to review and approval by the Commission as provided for in this rate schedule.
3. Calculation of Conservation Charge: The Company will properly assign expenses for forecasted conservation expenditures to the applicable rate categories for a future twelve (12) month period commencing November 1 of each year. The total of such conservation expenditures plus any prior period reconciling adjustments shall be divided by therm sales as forecasted by the Company for the same annual period and rounded to the nearest hundredth of a cent. The resulting conservation charge shall be included in the Company's Local Distribution Adjustment Charge and applied to actual therms sold or transported for the following twelve (12) month period starting November 1, and ending October 31.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

4. Reporting: The Company shall submit annual reports to the Commission reconciling any difference between the actual conservation expenditures and actual revenues collected under this rate schedule. The difference whether positive or negative will be carried forward into the conservation charge for the next recovery period. Upon completion of the conservation program(s), any over or under collection may be credited or charged to the deferred Winter Period cost of gas account, subject to Commission approval.
5. Effective Date: 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 CC applicable to each Rate Category during the next subsequent twelve-month period commencing with the calendar month of November.
6. Reconciliation Adjustment: Account 1163-1755 shall contain the cumulative difference between the sum of the DSM expenditures incurred by the Company plus the sum of the DSM repayments and the revenues collected from customers. The Company shall file the reconciliation along with the COG filing on or before the first business day in September of each year.

**D Revenue Decoupling Adjustment Factor.**

1. Purpose: The purpose of the Revenue Decoupling Adjustment Clause ("RDAF") is to establish procedures that allow the Company, subject to the jurisdiction of the NHPUC, to adjust, on an annual basis, its rates for firm gas sales and firm transportation in order to reconcile Actual Base Revenue per Customer with Benchmarked Base Revenue per Customer. The Company's RDAF eliminates the link between volumetric sales and Company revenue in order to align the interests of the Company and customers with respect to changing customer usage.. The purpose of the NWA is to adjust each customer's bill for the difference in delivery charges caused by the variation in actual HDDs from normal HDDs during the Winter Period.
2. Effective Date: The RDAF and NWA shall take effect beginning on November 1, 2018, and replace the Lost Revenue Adjustment Mechanism (LRAM) established in Order No. 25,932 (Docket No. DE 15-137).
3. Applicability: The Revenue Decoupling Adjustment Factor and NWA shall apply to all of the Company's firm tariff Rate Schedules, subject to the jurisdiction of the Commission, as determined in accordance with the provisions of this RDAF and NWA.
4. Definitions: The following definitions shall apply throughout the RDAF and NWA:
  - a. Actual Base Revenue is the actual revenue derived from the Company's distribution rates for a given Decoupling Year for a Customer Class. The Company will use monthly distribution revenues and Actual Number of Customers to determine the Monthly Actual Base Revenue per Customer.
  - b. Actual Number of Customers is the actual number of Equivalent Bills for the applicable Customer Class for the applicable month of the Decoupling Year.
  - c. Billing Year is the 12-months commencing November 1 immediately following the completion of the Decoupling Year.
  - d. Customer Class is the group of all customers taking service pursuant to the same Rate Schedule.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

- e. Customer Class Group is the group of Rate Schedules combined for purposes of calculating the Revenue Decoupling Adjustment. The two Customer Class Groups are as follows:

Residential Customer Class Group (CG1): defined as both Residential Non-Heating Customer Class and Residential Heating Customer Class, shall consist of all customers taking service pursuant to the Company's residential rate schedules. CG1 shall include customers taking service under rate schedules R-1, R-3, R-4, R-5, R-6 and R-7.

The Commercial and Industrial Customer Class Group (CG2): shall consist of all customers taking service pursuant to one of the Company's general service rate schedules, G-41, G-42, G-43, G-44, G-45, G-46, G-51, G-52, G-53, G-54, G-55, G-56, G-57 and G-58.

- f. Decoupling Year. The first Decoupling Year shall be the 10-month period from November 1, 2018 to August 31, 2019. Each subsequent Decoupling Year shall be the twelve months commencing September 1 through August 31.
- g. Equivalent Bill. The number of days in the billing period of each customer's bill divided by 30.
- h. Real-time normal weather adjustment is the difference between actual distribution revenue billed to each customer in each billing cycle for each month or portion thereof during the Winter Period, and what distribution revenue for each customer's bill would have been based on weather normalized therm deliveries for the same period. The resulting charge or credit will be added to or subtracted from each customer's bill at the time the bill is rendered (i.e., "real time").
- i. Benchmark Base Revenue per Customer is the monthly allowed distribution revenue per Equivalent Bill for a given Decoupling Year for a given Customer Class, reflecting the distribution revenue level and approved equivalent bills from the Company's most recent rate case or other proceeding that results in an adjustment to base rates. Benchmark Base Revenue per Customer will be calculated for each month based on the distribution rates in effect at the start of the Decoupling Year and the calculation will be revised for the remaining months of each Decoupling Year if there is a distribution rate change that occurs following the beginning month of each Decoupling Year.
- j. Winter Period. The time period from November 1 of a given year through April 30 of the following year inclusive.
- k. Base Load Factor for each customer is the most recent two-year average daily delivered therms for actual bills rendered during the months of June through August for that customer. If a customer has less than two-year's billing history, then the customer's available history for the months of June through August will be used to calculate the average daily delivered therms; and if a customer has no billing history for the months of June through August, then the average daily delivered therms for the months of June through August for the rate schedule under which the customer is served will be used.
- l. Base Usage for each bill is the current Base Load Factor times the number of days in billing period.
- m. Heating Usage for each bill is the difference between the actual delivered therms for that bill less the Base Usage for that bill. If the calculated Heating Usage is less than zero, then the Heating Usage for that bill is set equal to zero.
- n. Heating Degree Days (HDD) for each day is sixty-five (65) minus the average temperature in degrees Fahrenheit for that day. If the calculated HDD is less than zero, then the HDD for that day is set equal to zero.
- o. Normal Heating Degree Days (Normal HDD) for each day is the thirty-year average HDD for that day.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

- p. Normal Weather Adjustment Slope (NWA Slope) for each bill is the Heating Usage divided by the sum of actual HDD during the billing period.
- q. Normal Heating Usage for each bill is the NWA Slope times the sum of the Normal HDD for the billing period.
- r. Normal Usage for each bill is the sum of the Base Usage and the Normal Heating Usage.
- s. Normal Weather Factor (NWF) for each bill is

$$NWF = \frac{\text{DeliveryCharge}_{\text{Normal}}}{\text{DeliveryCharge}_{\text{Actual}}} - 1$$

where Delivery Charge Normal is the calculated delivery charge for Normal Usage for the rate schedule applicable to that bill or portion thereof during the Winter Period and Delivery Charge Actual is the calculated delivery charge for actual delivered therms for the rate schedule applicable to that bill or portion thereof during the Winter Period.

#### 5. Calculation of Revenue Decoupling Adjustment

##### a. Description of Revenue Decoupling Adjustment

At the conclusion of each Decoupling Year, the Company shall calculate a Decoupling Revenue Adjustment to be used to determine the RDAF for the next Billing Year, effective November 1.

The Revenue Decoupling Adjustment shall be determined by calculating the monthly difference between the Benchmark Base Revenue per Customer times the actual number of Equivalent Bills for the applicable Customer Class and the Actual Base Revenue for that month. The sum of these monthly Revenue Decoupling Adjustments in the Decoupling Year shall be divided by forecasted Billing Year sales to derive the volumetric rate per therm to be applied to customers' bills in the Billing Year. The Revenue Decoupling Adjustment shall also include a reconciliation component for the previous Decoupling Year, which represents the difference between the accrued decoupling amount in the Decoupling Year compared to the actual revenues billed in the billing Year.

##### b. Revenue Decoupling Adjustment Formulas

$$RD_{CG} = \sum_{RC=1}^{RC=n} [(BRPC_{T-1} \times ACUSTS_{T-1}) - AR_{T-1}]$$

And:

$$RDAF_{CG} = \frac{RD_{CG} + CGDEF_{T-1}}{FTV_{CG}}$$

Where the terms in the above equation have the following meanings:

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

$ACUSTS_{T-1}$	The Actual Number of Equivalent Bills for the applicable Customer Class for the most recently completed Decoupling Year (T-1)
$AR_{T-1}$	The Actual Base Revenue for the applicable Customer Class for the most recently completed Decoupling Year, (T-1), as defined in Section 4(D). For purposes of calculating the Actual Base Revenue, base revenues for Low Income rate class R-4, shall be determined based on non-discounted rate R-3.
$BRPC_{T-1}$	The Benchmark Base Revenue Per Equivalent Bill for the applicable Customer Class as determined in accordance with Section 4 (D) for the most recently completed Decoupling Year, stated on a monthly basis (T-1).
cg	Customer Class Groups as defined in Section 4(D).
CGDEF	The balance of the unrecovered deferrals inclusive of associated interest using the prime lending rate.
$FTV_{CG}$	Forecast Throughput Volumes inclusive of all firm tariff throughput for the Billing Year.
rc	Rate Classes in a Customer Group.
$RD_{CG}$	The Revenue Decoupling adjustment to revenues, representing the sum of the monthly Revenue Decoupling Adjustments in the Decoupling Year.
$RDAF_{cg}$	The Revenue Decoupling Adjustment Factor for the Billing Year.

6. Calculation of the RDAC Reconciliation Adjustments

Account 1168-1823 shall contain the accumulated difference between annual revenues and the Revenue Decoupling Adjustment, as calculated by multiplying the RDAF times firm sales and transportation throughput, and the Revenue Decoupling Adjustment allowed revenues annually, plus carrying charges on the average monthly balance using the prime lending rate.

7. Application of the RDAC to Customer Bills

The RDAF (\$ per therm) shall be calculated annually for each Customer Group and shall be truncated at the nearest one one-hundredth of a cent per therm. The annual calculated Customer Group RDAF will be applied to the monthly firm tariff throughput for each customer in that particular Customer Group, effective November 1 of the given year.

8. Calculation of Normal Weather Adjustment

The Normal Weather Adjustment (NWA) for each bill is

$$NWA = \text{DeliveryCharge}_{\text{Actual}} \times NWF$$

where Delivery Charge Actual is the calculated delivery charge for actual delivered therms for the rate schedule applicable to that bill or portion thereof during the Winter Period.

9. Application of the NWA to Customer Bills

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

The NWA charge or credit will be separately stated, and added to or subtracted from each bill as applicable. Each bill will have a separate line titled "Normal Weather Adj.," which line will include the total variable distribution charges, the NWF percentage, and the resulting charge or credit.

10. Information to be Filed with the Commission

Information pertaining to the RDAC will be filed annually with the Commission consistent with the filing requirements of all costs and revenue information included in the LDAC. Such information shall include:

- a. The calculation of the applicable revenue decoupling revenue dollar adjustment for the Decoupling Year by Customer Class Group.
- b. The calculation of the revenue decoupling reconciliation dollar adjustment for the previous Decoupling Year by Customer Class Group.
- c. The calculation of the proposed decoupling rate per therm for each customer class group to be applied in the Billing Year.
- d. The calculation of the monthly Benchmark Base Revenue per Customer, to be utilized in the upcoming Decoupling Year. If distribution rates change during the Decoupling Year, the monthly Benchmark Base Revenue per Customer for the remaining months of the Decoupling Year will be revised and filed with the Commission.

E. Environmental Surcharges ("ES") Allowable for LDAC.

1. Purpose: In order to recover expenditures associated with former manufactured gas Programs, there shall be an ES Rate applied to all firm volumes billed under the Company's delivery service charges.
2. Applicability: An annual ES Rate shall be calculated effective every November 1 for the annual period of November 1 through October 31. The annual ES Rate shall be filed with the Company's Winter season Cost of Gas Clause ("COG") filing and be subject to review and approval by the Commission. The annual ES Rate shall be applied to firm sales and to firm delivery throughput as a part of the LDAC. Special contract customers are exempt from the ES.
3. Costs Allowable: All approved environmental response costs associated with manufactured gas Programs may be included in the ES Rate

The total annual charge to the Company's customers for environmental response costs during any annual ES recovery period shall not exceed five percent (5%) of the Company's total revenues from firm gas sales and delivery throughput during the preceding twelve (12) month period ending June 30. The total annual charge shall represent the ES expenditures reflected in the calculation of the ES Rate to be in effect for the upcoming twelve-month period, November 1 through October 31. If this recovery limitation results in the Company recovering less than the amount that would otherwise be recovered in a particular ES Recovery Year, then the Company would defer this unrecovered amount, with interest, calculated monthly on the average monthly balance, until the next recovery period in which this amount could be recovered without violating the 5% limitation. The interest rate is to be adjusted monthly using the monthly prime lending rate, as reported by the Federal Reserve Statistical Release of Selected Interest Rates.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

4. Effective Date: 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 ES applicable to all firm sales and firm delivery service throughput for the subsequent twelve-month period commencing with the calendar month of November.
5. Definitions:  
Environmental Response Costs shall include all costs of investigation, testing, remediation, litigation expenses, and other liabilities relating to manufactured gas Program sites, disposal sites, or other sites onto which material may have migrated, as a result of the operating or decommissioning of New Hampshire gas manufacturing facilities. These cost shall include the costs of the closure of the Relief Holder and pond at Gas Street, Concord, NH. The ES shall also include the expenses incurred by the Company in pursuing insurance and third-party claims and any recoveries or other benefits received by the Company as a result
6. Reconciliation Adjustments: Prior to the Winter Period COG, the Company shall calculate the difference between (a) the revenues derived by multiplying firm sales and delivery throughput by the ES Rate, and (b) the historical amortized costs approved for recoveries in the prior November's Annual ES Recovery Period. Account 1920-1863 shall contain the cumulative difference and the Company shall file the reconciliation along with its COG filing on or before the first business day in September of each year.
7. Calculation of the ES: The ES Rate calculated annually consists of one-seventh of actual response costs incurred by the Company in the twelve-month period ending June 30 of each year until fully amortized (over seven years). Any insurance and third-party recoveries or other benefits for the twelve month period ending June 30 shall be applied to reduce the unamortized balance, shortening the amortization period. The sum of these amounts is then divided by the Company's forecast of total firm sales and delivery throughput for the upcoming twelve months of November 1 through October 31.
8. Application of ES to Bills: The annual ES Rate shall be calculated to the nearest one one-hundredth of a cent per therm and shall be applied to the monthly firm gas sales and firm delivery service throughput by being included in the determination of the annual LDAC, and also shall be included in the Distribution Adjustment of the Delivery Charges of each firm customer's bill.

F. Expenses Related to Rate Cases/Temporary Rate Reconciliation Allowable for LDAC.

1. Purpose: The purpose of this provision is to establish a procedure that allows the Company to adjust its rates for the recovery of NHPUC-approved rate case expenses and the reconciliation of temporary rates.
2. Applicability: The Rate Case Expenses/Temporary Rate Reconciliation ("RCE") shall be applied to all firm tariffed customers. The RCE will be determined by the Company, as defined below.
3. Rate Case Expenses Allowable for LDAC: The total amount of the RCE will be equal to the amount approved by the Commission.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

4. Effective Date of Rate Case Expense Charge: The effective date of the RCE will be determined by the NHPUC in an individual rate proceeding.
5. Definition: The RCE includes all rate case-related expenses approved by the NHPUC. This includes legal expenses, costs for bill inserts, costs for legal notices, consulting fees processing expenses, and other approved expenses. The temporary Rate reconciliation will include the variance between the delivery revenues obtained from the rates prescribed in the temporary rate order and the delivery revenues obtained from the final rates approved by the NHPUC.
6. Rate Case Expense/Temporary Rate Reconciliation (RCE) Factor Formulas: The RCE will be calculated according to the Commission Order issued in an individual proceeding to establish details including the number of years over which the RCE shall be amortized and the allocation of recovery among rate classes. In general, the RCE Factor will be derived by dividing the annual portion of the total RCE, plus the RCE Reconciliation Adjustment, by forecast firm annual throughput.
7. Reconciliation Adjustments: Account 1930-1745 shall contain the accumulated difference between revenues toward Rate Case Expenses as calculated by multiplying the Rate Case Expense Factor ("RCEF") times the appropriate monthly volumes and Rate Case Expense allowed, plus carrying charges added to the end-of-month balance. The carrying charges shall be calculated beginning on the first month of the recovery period by applying the monthly prime lending rate, as reported by the Federal Reserve Statistical Release of Selected Interest Rates to the average monthly balance.  
  
At the end of the recovery period, any under or over recovery will be included in an active LDAC component, as approved by the Commission.
8. Application of RCE to Bills: The RCE (\$ per therm) shall be calculated to the nearest one one-hundredth of a cent per therm and shall be applied to the monthly firm gas sales and firm delivery service throughput by being included in the determination of the annual LDAC, and also shall be included in the Distribution Adjustment of the Delivery Charges of each firm customer's bill.
9. Information to be Filed with the NHPUC: Information pertaining to the RCE will be filed with the NHPUC consistent with the filing requirements of all cost and revenue information included in the LDAC. The RCE filing will contain the calculation of the new RCE and will include the updated RCE reconciliation balance.

G. Recoverable Residential Low Income Assistance Program Costs.

1. Purpose: The purpose of this provision is to establish a procedure that allows the Company, subject to the jurisdiction of the NHPUC, to recover the revenue shortfall (costs) associated with customers participating in the Residential Low Income Assistance Program ("RLIAP"). Such costs, as well as, associated administrative and marketing costs shall be recovered by applying an RLIAP rate to all firm sales and transportation service throughput.
2. Applicability: The RLIAP Rate shall be applied to all firm sales and transportation tariff customers. The RLIAP Rate shall be filed with the Company's Winter season Cost of Gas Clause filing and shall be determined annually by the Company and be subject to review and approval by the Commission.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

3. Effective Date: 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. RLIAP Costs Allowable for LDAC: 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 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

$$RLIAPF = \frac{RLIAP + RA_{RLIAP}}{A: TPev}$$

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<sub>RLIAP</sub> RLIAP Reconciliation Adjustment - Account 1169-1756, inclusive of the associated Account 1169-1756 interest, as outlined in Section 17(G)(6).

6. Reconciliation Adjustments: 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 31<sup>st</sup>, 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 in effect for the annual reconciliation period and (2) the 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. Effective Date of Local Distribution Adjustment Clause. 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. Local Distribution Adjustment Clause Formulas. 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

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

and:

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

$$ES^X = RHS + MGP$$

where:

$LDAC^X$  = Annualized class specific LDAC.

$CC^X$  = Annualized class specific CC or EE Charge.

$RDAF^X$  = Annualized class specific RDAF.

$ES$  = Total firm annualized ES.

$RHS$  = Annualized charge to recover the costs of the closure of the Relief Holder at Gas Street, Concord, NH

$MGP$  = Annualized charge to cover the remediation costs related to former manufactured gas plants.

$GREF^X$  = Total firm annualized class specific Gas Restructuring Expense Factor.

$RCE$  = Rate Case Expense Factor.

$RLIAP$  = Residential Low Income Assistance Program Rate

J. Application of LDAC to Bills. The component costs comprising the LDAC (\$ per therm) shall be calculated to the nearest one one-hundredth of a cent per therm and shall be applied to the monthly firm sales and firm delivery service throughput in accordance with the table shown in Section 17(B).

K. Other Rules.

1. The NHPUC may, where appropriate, on petition or on its own motion, grant an exception from the provisions of these regulations, upon such terms that it may determine to be in the public interest.
2. Such amendments may include the addition or deletion of component cost categories, subject to the review and approval of the NHPUC.
3. The Company may implement an amended LDAC with the NHPUC approval at any time.
4. The NHPUC may, at any time, require the Company to file an amended LDAC.
5. The operation of the LDAC is subject to all powers of suspension and investigation vested in the NHPUC.

L. Amendments to Uniform System of Accounts.

1163-1755 **Energy Efficiency Reconciliation Adjustment:** This account shall be used to record the cumulative difference between the sum of DSM and/or EE Expenditures incurred by the Company plus the sum of DSM and/or EE Repayments and the revenues collected from customers pursuant to this clause with respect to a given Rate Category. Entries to this account shall be determined as outlined in the Local Distribution Adjustment Clause, 17(C).

1920-1863 **Environmental Response Costs Reconciliation Adjustment:** This account shall be used to record the cumulative difference between the revenues toward environmental response costs as calculated by multiplying the ES times monthly firm sales volumes and delivery service throughput and environmental response costs allowable per formula. Entries to this account shall be determined as outlined in the Local Distribution Adjustment Clause, 17(E).

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

- 1930-1745      **Rate Case Expense/Temporary Rates Reconciliation Adjustment:** This account shall be used to record the cumulative difference between the recovery and actual amounts of third-party incremental expenses associated with the Company's Rate Case initiatives and the difference between the final and temporary distribution rates. Entries to this account shall be determined as outlined in the Local Distribution Adjustment Clause, 17(F).
- 1169-1756      **Residential Low Income Assistance Program Reconciliation Adjustment:** This account shall be used to record the cumulative difference between the actual revenue derived from the actual sales and transportation service throughput multiplied by the RLIAP rate and the actual costs of the program, which consists of the revenue shortfall and all administrative and marketing costs, as outlined in the Local Distribution Adjustment Clause, 17(G).
- 1163-1756      **Revenue Decoupling Adjustment Factor:** This account shall be used to record the cumulative difference between the lost revenue of the Company and the revenue collected from customers pursuant to this clause with respect to a given Rate Category. Entries to this account shall be determined as outlined in the Local Distribution Adjustment Clause, 17(D).

## 18 SUPPLY & CAPACITY SHORTAGE ALLOCATION POLICY

### A. DEFINITIONS

The following are definitions of terms used in this subsection and applicable only to this subsection:

1. **Residential:** Service to customers which consists of direct natural gas usage in a residential dwelling for space heating, air conditioning, cooking, water heating and other residential uses
- B. **Commercial:** Service to customers engaged primarily in the sale of goods or services including institutions and local, state and federal government agencies for uses other than those involving manufacturing or electric power generation
- C. **Industrial:** Service to customers engaged primarily in a process which creates or changes raw or unfinished materials into another form or product including the generation of electric power
- D. **Large Volume:** Service to large commercial and industrial customers with an annual gas load greater than 200,000 therms
- E. **Seasonal:** Service available from April 1 to October 31 to all customers using gas to replace some other fuel or gas for air conditioning purposes
- F. **Firm Sales Service:** Service from schedules or contracts under which seller is expressly obligated to supply and deliver specific volumes within a given time period and which anticipates no interruptions, but which may permit unexpected interruption in case the supply to higher priority customers is threatened
- G. **Firm Transportation Service:** Service from schedules or contracts under which seller is expressly obligated to deliver specific third-party volumes within a given time period and which anticipates no interruptions, but which may permit unexpected interruption in case the supply to higher priority customers is threatened.
- H. **Plant Protection Gas:** Is defined as minimum volumes required to prevent physical harm to the plant facilities or danger to plant personnel, when such protection cannot be afforded through the use of alternate fuel. This includes the protection of such material in process as would otherwise be destroyed, but shall not

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

## **I. RATE SCHEDULES**

### **1 RESIDENTIAL NON-HEATING RATE: CLASSIFICATION NO. R-1**

#### **Availability**

This rate is available to all residential customers who do not have gas space heating equipment, who consume less than 80% of their normal usage in the six winter months of November through April and whose usage does not exceed 100 therms in any winter month. Available for use which is separately metered and billed for each dwelling unit. Availability is limited to use in locations served by the Company's mains and for which the Company's facilities are adequate.

#### **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:** \$0.5007 per day or \$15.02 per 30 day month

**Winter Period:** All therms per 30 day month at \$0.3741 per therm

**Summer Period:** All therms per 30 day month at \$0.3741 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**

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 (1½%) 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**2 RESIDENTIAL HEATING RATE:  
CLASSIFICATION NO. R-3**

Availability

This rate is for all residential use for those domestic customers who use gas as the principal household heating fuel. 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's facilities are adequate.

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

<b>Customer Charge Per Meter:</b>	\$0.5007 per day or \$15.02 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.5502 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.5502 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

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 (1½%) 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

### **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
- l. 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

<b>Customer Charge Per Meter:</b>	\$0.2003 per day or \$6.01 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.2201 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.2201 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

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**4 MANAGED EXPANSION PROGRAM RESIDENTIAL NON-HEATING RATE:  
CLASSIFICATION NO. R-5**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Residential Non Heating Rate R-1.

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

<b>Customer Charge Per Meter:</b>	\$0.6510 per day or \$19.53 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.4863 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.4863 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 Residential Non Heating Rate R-1.

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 (1½%) 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**5 MANAGED EXPANSION PROGRAM RESIDENTIAL HEATING RATE:  
CLASSIFICATION NO. R-6**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program projects area who otherwise would have qualified for Residential Heating Rate R-3.

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:** \$0.6510 per day or \$19.53 per 30 day month

**Winter Period:** All therms per 30 day month at \$0.7153 per therm

**Summer Period:** All therms per 30 day month at \$0.7153 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 Page 92 of this Tariff for 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

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

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 Residential Non Heating Rate R-3.

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 (1½%) 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**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
- l. 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

<b>Customer Charge Per Meter:</b>	\$0.2603 per day or \$7.81 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.2861 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.2861 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

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**7 COMMERCIAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, HIGH WINTER USE  
RATE  
CLASSIFICATION NO. G-41**

Availability

This rate is available for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage less than or equal to 10,000 therms and a Winter Period usage greater than or equal to 67% of annual usage as determined by the Company's records and procedures.

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:** \$1.8560 per day or \$55.68 per 30 day month

**Winter Period:** First 100\* therms per 30 day month at \$0.4566 per therm

All over 100 therms per 30 day month at \$0.3067 per therm

**Summer Period:** First 20\* therms per 30 day month at \$0.4566 per therm

All over 20 therms per 30 day month at \$0.3067 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 Page 90 or 91 of this Tariff for 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 charge presented above is 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

U.S. Department of Labor Standard Industry Classification Codes will determine eligibility for this tariff.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**8 COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, HIGH WINTER  
USE RATE  
CLASSIFICATION NO. G-42**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage greater than 10,000 therms and less than or equal to 100,000 therms and a Winter Period usage greater than or equal to 67% of annual usage as determined by the Company's records and procedures.

Character of Service

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

Delivery Charge

**Customer Charge Per Meter:** \$5.5687 per day or \$167.06 per 30 day month

**Winter Period:** First 1000\* therms per 30 day month at \$0.4152 per therm  
All over 1000 therms per 30 day month at \$0.2766 per therm

**Summer Period:** First 400\* therms per 30 day month at \$0.4152 per therm  
All over 400 therms per 30 day month at \$0.2766 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 90 or 91 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**9 COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, HIGH WINTER USE  
RATE  
CLASSIFICATION NO. G-43**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage greater than 100,000 therms and a Winter Period usage greater than or equal to 67% of annual usage as determined by the Company's records and procedures.

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. Should the customer's consumption fail to meet the availability requirements for this rate, the customer's service will be transferred to the otherwise applicable tariff as described under the terms and conditions of this tariff.

Delivery Charge

<b>Customer Charge Per Meter:</b>	\$23.8983 per day or \$716.95 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.2552 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.1167 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 Page 90 or 91 of this Tariff for 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 N 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly,

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**10 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: LOW  
ANNUAL USE, HIGH WINTER USE RATE  
CLASSIFICATION NO. G-44**

Availability

This rate is Mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-41.

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:** \$2.4130 per day or \$72.38 per 30 day month

**Winter Period:** First 100\* therms per 30 day month at \$0.5936 per therm

All over 100 therms per 30 day month at \$0.3987 per therm

**Summer Period:** First 20\* therms per 30 day month at \$0.5936 per therm

All over 20 therms per 30 day month at \$0.3987 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is 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

U.S. Department of Labor Standard Industry Classification Codes will determine eligibility for this tariff.

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

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

TITLE: Susan L. Fleck  
President

**11 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE:  
MEDIUM ANNUAL USE, HIGH WINTER USE RATE  
CLASSIFICATION NO. G-45**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-42.

Character of Service

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

Delivery Charge

**Customer Charge Per Meter:** \$7.2393 per day or \$217.18 per 30 day month

**Winter Period:** First 1000\* therms per 30 day month at \$0.5398 per therm  
All over 1000 therms per 30 day month at \$0.3596 per therm

**Summer Period:** First 400\* therms per 30 day month at \$0.5398 per therm  
All over 400 therms per 30 day month at \$0.3596 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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

Dual fuel customers may be required to sign annual contracts with minimum usage requirements in order to qualify for service under this tariff. U.S. Department of Labor Standard Industry Classification Codes will determine eligibility for this tariff.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**12 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: HIGH  
ANNUAL USE, HIGH WINTER USE RATE  
CLASSIFICATION NO. G-46**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-43.

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. Should the customer's consumption fail to meet the availability requirements for this rate, the customer's service will be transferred to the otherwise applicable tariff as described under the terms and conditions of this tariff.

Delivery Charge

**Customer Charge Per Meter:** \$31.0680 per day or \$932.04 per 30 day month

**Winter Period:** All therms per 30 day month at \$0.3318 per therm

**Summer Period:** All therms per 30 day month at \$0.1517 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 Page 92 of this Tariff for 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly, daily, or monthly consumption, provisions for charges for excess usage, and other terms and conditions of service.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**13 COMMERCIAL/INDUSTRIAL SERVICE: LOW ANNUAL USE, LOW WINTER USE  
RATE  
CLASSIFICATION NO. G-51**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage less than or equal to 10,000 therms and a Winter Period usage less than 67% of annual usage as determined by the Company's records and procedures.

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:** \$1.8560 per day or \$55.68 per 30 day month

**Winter Period:** First 100\* therms per 30 day month at \$0.2752 per therm

All over 100 therms per 30 day month at \$0.1789 per therm

**Summer Period:** First 100\* therms per 30 day month at \$0.2752 per therm

All over 100 therms per 30 day month at \$0.1789 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 90 or 91 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 made 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

Eligibility shall be based on the reasonable discretion of the Company and subject to verification of heating usage. U.S. Department of Labor Standard Industry Classification Code will determine eligibility for this

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

TITLE: Susan L. Fleck  
President

**14 COMMERCIAL/INDUSTRIAL SERVICE: MEDIUM ANNUAL USE, LOW WINTER  
USE RATE  
CLASSIFICATION NO. G-52**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage greater than 10,000 therms and less than or equal to 100,000 therms and a Winter Period usage less than 67% of annual usage as determined by the Company's records and procedures.

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. Should the customer's consumption fail to meet the availability requirements for this rate, the customer's service will be transferred to the otherwise applicable tariff as described under the terms and conditions of this tariff.

Delivery Charge

**Customer Charge Per Meter:** \$5.5687 per day or \$167.06 per 30 day month

**Winter Period:** First 1000\* therms per 30 day month at \$0.2363 per therm  
All over 1000 therms per 30 day month at \$0.1574 per therm

**Summer Period:** First 1000\* therms per 30 day month at \$0.1712 per therm  
All over 1000 therms per 30 day month at \$0.0973 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is exclusive of these charges. Refer to Page 90 or 91 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**15 COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR LESS THAN 90% RATE  
CLASSIFICATION NO. G-53**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage greater than 100,000 therms, a Winter Period usage less than 67% of annual usage, and a 12 month average usage less than 90% of the average usage of December, January and February as determined by the Company's records and procedures.

Character of Service

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

Delivery Charge

<b>Customer Charge Per Meter:</b>	\$24.5947 per day or \$737.84 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.1652 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.0792 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is exclusive of these charges. Refer to Page 90 or 91 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly,

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**16 COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR  
GREATER THAN 90% RATE  
CLASSIFICATION NO. G-54**

Availability

This rate is for commercial, industrial and public authority customers in locations served by the Company's mains and for which the Company's facilities are adequate. A customer receiving service under this rate must have annual usage greater than 100,000 therms, a Winter Period usage less than 67% of annual usage, and a 12 month average usage greater than or equal to 90% of the average usage of December, January and February as determined by the Company's records and procedures.

Character of Service

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

Delivery Charge

<b>Customer Charge Per Meter:</b>	\$24.5947 per day or \$737.84 per 30 day month
<b>Winter Period:</b>	All therms per 30 day month at \$0.0630 per therm
<b>Summer Period:</b>	All therms per 30 day month at \$0.0342 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is exclusive of these charges. Refer to Page 90 or 91 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly,

ISSUED: November 16, 2018  
EFFECTIVE: November 01, 2018

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

**17 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: LOW  
ANNUAL USE, LOW WINTER USE RATE  
CLASSIFICATION NO. G-55**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-51.

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:** \$2.4130 per day or \$72.38 per 30 day month

**Winter Period:** First 100\* therms per 30 day month at \$0.3578 per therm  
All over 100 therms per 30 day month at \$0.2326 per therm

**Summer Period:** First 100\* therms per 30 day month at \$0.3578 per therm  
All over 100 therms per 30 day month at \$0.2326 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 made 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

Eligibility shall be based on the reasonable discretion of the Company and subject to verification of heating usage. U.S. Department of Labor Standard Industry Classification Code will determine eligibility for this tariff. Dual fuel customers may be required to sign annual contracts with minimum usage requirements in order to qualify for service under this tariff.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**18 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE:  
MEDIUM ANNUAL USE, LOW WINTER USE RATE  
CLASSIFICATION NO. G-56**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-52.

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. Should the customer's consumption fail to meet the availability requirements for this rate, the customer's service will be transferred to the otherwise applicable tariff as described under the terms and conditions of this tariff.

Delivery Charge

**Customer Charge Per Meter:** \$7.2393 per day or \$217.18 per 30 day month

**Winter Period:** First 1000\* therms per 30 day month at \$0.3072 per therm  
All over 1000 therms per 30 day month at \$0.2046 per therm

**Summer Period:** First 1000\* therms per 30 day month at \$0.2226 per therm  
All over 1000 therms per 30 day month at \$0.1265 per therm

\*The number of therms billed in the first block will be calculated by multiplying the therms in the first block of the rate by a fraction the numerator of which is the number of days in the billing period and the denominator of which is 30.

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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**19 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR LESS THAN 90% RATE  
CLASSIFICATION NO. G-57**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-53.

Character of Service

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

Delivery Charge

**Customer Charge Per Meter:** \$31.9730 per day or \$959.19 per 30 day month

**Winter Period:** All therms per 30 day month at \$0.2148 per therm

**Summer Period:** All therms per 30 day month at \$0.1030 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 Page 92 of this Tariff for 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 charge presented above is 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly, daily, or monthly consumption, provisions for charges for excess usage, and other terms and conditions of service.

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

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**20 MANAGED EXPANSION PROGRAM COMMERCIAL/INDUSTRIAL SERVICE: HIGH ANNUAL USE, LOAD FACTOR GREATER THAN 90% RATE  
CLASSIFICATION NO. G-58**

Availability

This rate is mandatory for customers taking service in a Managed Expansion Program project area who otherwise would have qualified for Commercial/Industrial Rate G-54.

Character of Service

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

Delivery Charge

**Customer Charge Per Meter:** \$31.9730 per day or \$959.19 per 30 day month

**Winter Period:** All therms per 30 day month at \$0.0819 per therm

**Summer Period:** All therms per 30 day month at \$0.0445 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.

Supplier Charges

If the customer purchases its gas from a third party, supplier charges will be as agreed upon between the customer and the third party supplier and will be billed directly by the third party supplier. If the customer does not purchase its gas from a third party, the gas supplied by the Company will be 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 charge presented above is 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

To be eligible for this service, a customer must sign a contract for a one year period, which contract shall include the authority for the Company to monitor the customer's continued qualification for this service. In the event that the customer fails to meet the eligibility criteria set forth in the availability section of this schedule based on a monthly evaluation employing the most recent twelve (12) month period, the Company may require that the customer be billed prospectively under an alternative rate subject to the terms of the customer's Service Agreement. The Service Agreement may contain limitations as to maximum hourly, daily, or monthly consumption, provisions for charges for excess usage, and other terms and conditions of service.

ISSUED: November 16, 2018

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

EFFECTIVE: November 01, 2018

TITLE: President

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 Commercial/Industrial Rate G-54.

The customer shall declare maximum seasonal demands and estimated seasonal volumes at the time application for service is made. These declarations shall be updated annually, by August 1.

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 (1½%) 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.

## 21 OUTDOOR GAS LIGHTING

### Availability

This rate is available for residential outdoor gas lighting where such service is provided from the Company's existing delivery system to a standard gas light fixture or fixtures, located on the customer's premises, and when it is not feasible to meter such service along with other gas used on the premises and bill the same under the rate in effect for all other services. Service under this rate is available at those locations which were receiving service hereunder as of July 1, 2015, and which have continuously received service hereunder since that date.

Rate Per Light Per Month	\$12.81
--------------------------	---------

The above rates shall be adjusted to reflect the recovery of all applicable taxes.

### Account Charge

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

### Terms and Conditions

Meters are read and bills are presented monthly.

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 (1½%) 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.

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

## 22 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS

	Rates effective November 1, 2018 - April 30, 2019 Winter Period				Rates Effective May 1, 2019 - October 31, 2019 Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 92</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 89</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b><u>Residential Non Heating - R-1</u></b>								
Customer Charge per Month per Meter	\$ 15.02			\$15.02	\$ 15.02			\$ 15.02
All therms	\$0.3741	\$0.7411	\$0.0660	\$1.1812	\$ 0.3741	\$0.4445	\$0.0660	\$ 0.8846
<b><u>Residential Heating - R-3</u></b>								
Customer Charge per Month per Meter	\$ 15.02			\$15.02	\$ 15.02			\$ 15.02
All therms	\$0.5502	\$0.7411	\$0.0660	\$ 1.3573	\$ 0.5502	\$0.4445	\$0.0660	\$ 1.0607
<b><u>Residential Heating - R-4</u></b>								
Customer Charge per Month per Meter	\$ 6.01			\$6.01	\$ 6.01			\$ 6.0065
All therms	\$0.2201	\$0.7411	\$0.0660	\$ 1.0272	\$0.2201	\$0.4445	\$0.0660	\$ 0.7306
<b><u>Commercial/Industrial - G-41</u></b>								
Customer Charge per Month per Meter	\$ 55.68			\$55.68	\$ 55.68			\$ 55.68
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$0.4566	\$ 0.7403	\$ 0.0757	\$ 1.2726	\$ 0.4566	\$ 0.4417	\$ 0.0757	\$ 0.9740
All therms over the first block per month at	\$0.3067	\$ 0.7403	\$ 0.0757	\$ 1.1227	\$ 0.3067	\$ 0.4417	\$ 0.0757	\$ 0.8241
<b><u>Commercial/Industrial - G-42</u></b>								
Customer Charge per Month per Meter	\$ 167.06			\$167.06	\$ 167.06			\$ 167.06
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$0.4152	\$ 0.7403	\$ 0.0757	\$ 1.2312	\$ 0.4152	\$ 0.4417	\$ 0.0757	\$ 0.9326
All therms over the first block per month at	\$0.2766	\$ 0.7403	\$ 0.0757	\$ 1.0926	\$ 0.2766	\$ 0.4417	\$ 0.0757	\$ 0.7940
<b><u>Commercial/Industrial - G-43</u></b>								
Customer Charge per Month per Meter	\$ 716.95			\$716.95	\$ 716.95			\$ 716.95
All therms over the first block per month at	\$0.2552	\$ 0.7403	\$ 0.0757	\$1.0712	\$ 0.1167	\$ 0.4417	\$ 0.0757	\$ 0.6341
<b><u>Commercial/Industrial - G-51</u></b>								
Customer Charge per Month per Meter	\$ 55.68			\$55.68	\$ 55.68			\$ 55.68
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$0.2752	\$ 0.7456	\$ 0.0757	\$ 1.0965	\$ 0.2752	\$ 0.4506	\$ 0.0757	\$ 0.8015
All therms over the first block per month at	\$0.1789	\$ 0.7456	\$ 0.0757	\$ 1.0002	\$ 0.1789	\$ 0.4506	\$ 0.0757	\$ 0.7052
<b><u>Commercial/Industrial - G-52</u></b>								
Customer Charge per Month per Meter	\$ 167.06			\$167.06	\$ 167.06			\$ 167.06
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$0.2363	\$ 0.7456	\$ 0.0757	\$ 1.0576	\$ 0.1712	\$ 0.4506	\$ 0.0757	\$ 0.6975
All therms over the first block per month at	\$0.1574	\$ 0.7456	\$ 0.0757	\$ 0.9787	\$ 0.0973	\$ 0.4506	\$ 0.0757	\$ 0.6236
<b><u>Commercial/Industrial - G-53</u></b>								
Customer Charge per Month per Meter	\$ 737.84			\$737.84	\$ 737.84			\$ 737.84
All therms over the first block per month at	\$0.1652	\$ 0.7456	\$ 0.0757	\$0.9865	\$ 0.0792	\$ 0.4506	\$ 0.0757	\$ 0.6055
<b><u>Commercial/Industrial - G-54</u></b>								
Customer Charge per Month per Meter	\$ 737.84			\$737.84	\$ 737.84			\$ 737.84
All therms over the first block per month at	\$0.0630	\$ 0.7456	\$ 0.0757	\$0.8843	\$ 0.0342	\$ 0.4506	\$ 0.0757	\$ 0.5605

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

## 23 FIRM RATE SCHEDULES KEENE CUSTOMERS

Rates effective November 1, 2018 - April 30, 2019 Winter Period					Rates Effective October 1, 2018 - October 31, 2018 Summer Period [1]				
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 92</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>		<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 90</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b><u>Residential Non Heating - R-1</u></b>									
Customer Charge per Month per Meter	\$ 15.02			\$15.02	\$ 15.02				\$ 15.02
All therms	\$0.3741	\$1.3802	\$0.0660	\$1.8203	\$ 0.3938	\$1.2494	\$0.0945		\$ 1.7377
<b><u>Residential Heating - R-3</u></b>									
Customer Charge per Month per Meter	\$ 15.02			\$15.02	\$ 15.02				\$ 15.02
All therms	\$0.5502	\$1.3802	\$0.0660	\$ 1.9964	\$ 0.5631	\$1.2494	\$0.0945		\$ 1.9070
<b><u>Residential Heating - R-4</u></b>									
Customer Charge per Month per Meter	\$ 6.01			\$6.01	\$ 6.00				\$ 6.0000
All therms	\$0.2201	\$1.3802	\$0.0660	\$ 1.6663	\$0.2252	\$1.2494	\$0.0945		\$ 1.5691
<b><u>Commercial/Industrial - G-41</u></b>									
Customer Charge per Month per Meter	\$ 55.68			\$55.68	\$ 56.58				\$ 56.58
Size of the first block	100 therms				20 therms				
Therms in the first block per month at	\$0.4566	\$1.3802	\$ 0.0757	\$ 1.9125	\$ 0.4639	\$1.2494	\$ 0.0763		\$ 1.7896
All therms over the first block per month at	\$0.3067	\$1.3802	\$ 0.0757	\$ 1.7626	\$ 0.3116	\$1.2494	\$ 0.0763		\$ 1.6373
<b><u>Commercial/Industrial - G-42</u></b>									
Customer Charge per Month per Meter	\$ 167.06			\$167.06	\$ 169.75				\$ 169.75
Size of the first block	1000 therms				400 therms				
Therms in the first block per month at	\$0.4152	\$1.3802	\$ 0.0757	\$ 1.8711	\$ 0.4219	\$1.2494	\$ 0.0763		\$ 1.7476
All therms over the first block per month at	\$0.2766	\$1.3802	\$ 0.0757	\$ 1.7325	\$ 0.2811	\$1.2494	\$ 0.0763		\$ 1.6068
<b><u>Commercial/Industrial - G-43</u></b>									
Customer Charge per Month per Meter	\$ 716.95			\$716.95	\$ 728.47				\$ 728.47
All therms over the first block per month at	\$0.2552	\$1.3802	\$ 0.0757	\$1.7111	\$ 0.1185	\$1.2494	\$ 0.0763		\$ 1.4442
<b><u>Commercial/Industrial - G-51</u></b>									
Customer Charge per Month per Meter	\$ 55.68			\$55.68	\$ 56.58				\$ 56.58
Size of the first block	100 therms				100 therms				
Therms in the first block per month at	\$0.2752	\$1.3802	\$ 0.0757	\$ 1.7311	\$ 0.2796	\$1.2494	\$ 0.0763		\$ 1.6053
All therms over the first block per month at	\$0.1789	\$1.3802	\$ 0.0757	\$ 1.6348	\$ 0.1817	\$1.2494	\$ 0.0763		\$ 1.5074
<b><u>Commercial/Industrial - G-52</u></b>									
Customer Charge per Month per Meter	\$ 167.06			\$167.06	\$ 169.75				\$ 169.75
Size of the first block	1000 therms				1000 therms				
Therms in the first block per month at	\$0.2363	\$1.3802	\$ 0.0757	\$ 1.6922	\$ 0.1740	\$1.2494	\$ 0.0763		\$ 1.4997
All therms over the first block per month at	\$0.1574	\$1.3802	\$ 0.0757	\$ 1.6133	\$ 0.0989	\$1.2494	\$ 0.0763		\$ 1.4246
<b><u>Commercial/Industrial - G-53</u></b>									
Customer Charge per Month per Meter	\$ 737.84			\$737.84	\$ 749.68				\$ 749.68
All therms over the first block per month at	\$0.1652	\$1.3802	\$ 0.0757	\$1.6211	\$ 0.0805	\$1.2494	\$ 0.0763		\$ 1.4062
<b><u>Commercial/Industrial - G-54</u></b>									
Customer Charge per Month per Meter	\$ 737.84			\$737.84	\$ 749.68				\$ 749.68
All therms over the first block per month at	\$0.0630	\$1.3802	\$ 0.0757	\$1.5189	\$ 0.0347	\$1.2494	\$ 0.0763		\$ 1.3604

[1] For Keene rates in effect prior to May 1, 2018 please see tariff:  
NHPUC NO. 1 - GAS LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP D/B/A  
LIBERTY UTILITIES - KEENE DIVISION

ISSUED: November 14, 2018

EFFECTIVE: November 01, 2018

ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck  
President

Authorized by NHPUC Order No. 26,184 dated October 30, 2018 in Docket No. DG 18-145 and Order No. 26,188 dated November 01, 2018 in Docket No. 18-137 and Order No. 26,187 dated November 02, 2018 in Docket No. 17-048

**24 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS – MANAGED  
EXPANSION PROGRAM**

	Rates effective November 1, 2018 - April 30, 2019				Rates Effective May 1, 2019 - October 31, 2019			
	Winter Period				Summer Period			
	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 92</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate Page 89</u>	<u>LDAC Page 97</u>	<u>Total Rate</u>
<b><u>Residential Non Heating - R-5</u></b>								
Customer Charge per Month per Meter	\$ 19.53			\$19.53	\$ 19.53			\$ 19.53
All therms	\$0.4863	\$0.7411	\$0.0660	\$1.2934	\$ 0.4863	\$0.4445	\$0.0660	\$ 0.9968
<b><u>Residential Heating - R-6</u></b>								
Customer Charge per Month per Meter	\$ 19.53			\$19.53	\$ 19.53			\$ 19.53
All therms	\$0.7153	\$0.7411	\$0.0660	\$ 1.5224	\$ 0.7153	\$0.4445	\$0.0660	\$ 1.2258
<b><u>Residential Heating - R-7</u></b>								
Customer Charge per Month per Meter	\$ 7.81			\$7.81	\$ 7.81			\$ 7.81
All therms	\$0.2861	\$0.7411	\$0.0660	\$ 1.0932	\$0.2861	\$0.4445	\$0.0660	\$ 0.7966
<b><u>Commercial/Industrial - G-44</u></b>								
Customer Charge per Month per Meter	\$ 72.38			\$72.38	\$ 72.38			\$ 72.38
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$0.5936	\$ 0.7403	\$ 0.0757	\$ 1.4096	\$ 0.5936	\$ 0.4417	\$ 0.0757	\$ 1.1110
All therms over the first block per month at	\$0.3987	\$ 0.7403	\$ 0.0757	\$ 1.2147	\$ 0.3987	\$ 0.4417	\$ 0.0757	\$ 0.9161
<b><u>Commercial/Industrial - G-45</u></b>								
Customer Charge per Month per Meter	\$ 217.18			\$217.18	\$ 217.18			\$ 217.18
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$0.5398	\$ 0.7403	\$ 0.0757	\$ 1.3558	\$ 0.5398	\$ 0.4417	\$ 0.0757	\$ 1.0572
All therms over the first block per month at	\$0.3596	\$ 0.7403	\$ 0.0757	\$ 1.1756	\$ 0.3596	\$ 0.4417	\$ 0.0757	\$ 0.8770
<b><u>Commercial/Industrial - G-46</u></b>								
Customer Charge per Month per Meter	\$ 932.04			\$932.04	\$ 932.04			\$ 932.04
All therms over the first block per month at	\$0.3318	\$ 0.7403	\$ 0.0757	\$1.1478	\$ 0.1517	\$ 0.4417	\$ 0.0757	\$ 0.6691
<b><u>Commercial/Industrial - G-55</u></b>								
Customer Charge per Month per Meter	\$ 72.38			\$72.38	\$ 72.38			\$ 72.38
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$0.3578	\$ 0.7456	\$ 0.0757	\$ 1.1791	\$ 0.3578	\$ 0.4506	\$ 0.0757	\$ 0.8841
All therms over the first block per month at	\$0.2326	\$ 0.7456	\$ 0.0757	\$ 1.0539	\$ 0.2326	\$ 0.4506	\$ 0.0757	\$ 0.7589
<b><u>Commercial/Industrial - G-56</u></b>								
Customer Charge per Month per Meter	\$ 217.18			\$217.18	\$ 217.18			\$ 217.18
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$0.3072	\$ 0.7456	\$ 0.0757	\$ 1.1285	\$ 0.2226	\$ 0.4506	\$ 0.0757	\$ 0.7489
All therms over the first block per month at	\$0.2046	\$ 0.7456	\$ 0.0757	\$ 1.0259	\$ 0.1265	\$ 0.4506	\$ 0.0757	\$ 0.6528
<b><u>Commercial/Industrial - G-57</u></b>								
Customer Charge per Month per Meter	\$ 959.19			\$959.19	\$ 959.19			\$ 959.19
All therms over the first block per month at	\$0.2148	\$ 0.7456	\$ 0.0757	\$1.0361	\$ 0.1030	\$ 0.4506	\$ 0.0757	\$ 0.6293
<b><u>Commercial/Industrial - G-58</u></b>								
Customer Charge per Month per Meter	\$ 959.19			\$959.19	\$ 959.19			\$ 959.19
All therms over the first block per month at	\$0.0819	\$ 0.7456	\$ 0.0757	\$0.9032	\$ 0.0445	\$ 0.4506	\$ 0.0757	\$ 0.5708

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

**25 FIRM RATE SCHEDULES – OUTDOOR GAS LIGHTING**

<b>Outdoor Gas Lighting</b>	
Per Light Per Month	\$12.81

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

### 33. ENVIRONMENTAL SURCHARGE

#### **Manufactured Gas Plants**

Required annual Environmental increase	\$2,970,867
DG 10-17 Base Rate Revision Collections	\$0
Environmental Subtotal	\$2,970,867
Overall Annual Net Increase to Rates	\$2,970,867
Estimated weather normalized firm therms billed for the twelve months ended 10/31/19 - sales and transportation	184,654,874 therms
Surcharge per therm	<u>\$0.0161</u> per therm
<b><u>Total Environmental Surcharge</u></b>	<u><u>\$0.0161</u></u>

ISSUED: November 16, 2018

EFFECTIVE: November 01, 2018

ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck  
TITLE: President

### 34 RATE CASE EXPENSE AND RECOUPMENT FACTOR CALCULATION

Liberty Utilities (Energy North Natural Gas) Corp. d/b/a Liberty Utilities  
Local Distribution Adjustment Charge (LDAC) increase due to Rate Case Expense and Recoupment  
For LDAC effective November 1, 2018 - October 31, 2019

1	Rate Case Expense Remaining from Docket No. DG 14-180	\$51,485
2	Rate Case Expense Through June 2018 in Docket No. DG 17-048	\$578,477
3	Rate Case Expense for Docket No. DG 17-048 Currently Approved for \$530,000	(\$48,477)
4	Remaining Recoupment from DG 14-180 & DG 17-048	<u>\$1,633,854</u>
5	July 1, 2018 Balance	\$2,215,339
6	Minus November 2019 & December 2019 Recoupment	(\$233,408)
7	Minus DG 17-048 Rate Case Rehearing Adjustments	(\$240,126)
8	Minus Estimated Recoveries from July 2018 through October 2018	<u>(\$312,077)</u>
9	Total Estimated Remaining Recovery As Of November 1, 2018	\$1,429,728
10	Estimated November 2018 - October 2019 Interest	<u>\$36,303</u>
11	Total Remaining Recovery	\$1,466,032
12	Estimated November 2018 - October 2019 Sales (therms)	184,654,874
13	RCE & Recoupment rate per therm November 2018 - October 2019	\$0.0079

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President

### 35 LOCAL DISTRIBUTION ADJUSTMENT CLAUSE CALCULATION

NHPUC NO. 10 - GAS  
LIBERTY UTILITIES

Proposed First Revised Page 97  
Superseding Original Page 97

#### Local Delivery Adjustment Clause Calculation

		<u>Sales Customers</u>	<u>Transportation Customers</u>
<b><u>Residential Non Heating Rates - R-1, R-5</u></b>			
Energy Efficiency Charge	\$0.0287		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0287	
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants	0.0161		
Environmental Surcharge (ES)		0.0161	
Interruptible Transportation Margin Credit (ITMC)		0.0000	
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0003	
Rate Case Expense Factor (RCEF)		0.0079	
Residential Low Income Assistance Program (RLIAP)		0.0130	
<b>LDAC</b>		<b>\$0.0660</b>	<b>per therm</b>
<b><u>Residential Heating Rates - R-3, R-4, R-6, R-7</u></b>			
Energy Efficiency Charge	\$0.0287		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0287	
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants	0.0161		
Environmental Surcharge (ES)		0.0161	
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0003	
Rate Case Expense Factor (RCEF)		0.0079	
Residential Low Income Assistance Program (RLIAP)		0.0130	
<b>LDAC</b>		<b>\$0.0660</b>	<b>per therm</b>
<b><u>Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55</u></b>			
Energy Efficiency Charge	\$0.0387		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0387	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants	0.0161		
Environmental Surcharge (ES)		0.0161	0.0161
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0001	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0079	0.0079
Residential Low Income Assistance Program (RLIAP)		0.0128	0.0128
<b>LDAC</b>		<b>\$0.0757</b>	<b>\$0.0757 per therm</b>
<b><u>Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56</u></b>			
Energy Efficiency Charge	\$0.0387		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0387	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants	0.0161		
Environmental Surcharge (ES)		0.0161	0.0161
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0001	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0079	0.0079
Residential Low Income Assistance Program (RLIAP)		0.0128	0.0128
<b>LDAC</b>		<b>\$0.0757</b>	<b>\$0.0757 per therm</b>
<b><u>Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58</u></b>			
Energy Efficiency Charge	\$0.0387		
Demand Side Management Charge	0.0000		
Conservation Charge (CCx)		\$0.0387	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		
Manufactured Gas Plants	0.0161		
Environmental Surcharge (ES)		0.0161	0.0161
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0001	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0079	0.0079
Residential Low Income Assistance Program (RLIAP)		0.0128	0.0128
<b>LDAC</b>		<b>\$0.0757</b>	<b>\$0.0757 per therm</b>

ISSUED: November 16, 2018

ISSUED BY: /s/Susan L. Fleck

EFFECTIVE: November 01, 2018

Susan L. Fleck  
TITLE: President