Northern Utilities, Inc.
New Hampshire Division
Winter 2014-2015
Cost of Gas

## Tariff Sheets

> Third Revised Page No. 43 Calculation of proposed Cost of Gas Adjustment

| Third Revised Page No. 96 |
| :---: |
| Rate Summary |

Third Revised Page No. 97
Rate Summary

## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2014 - April 30, 2015

| (Col 1) | (Col 2) | (Col 3) |
| :---: | :---: | :---: |
| Total Anticipated Direct Cost of Gas | \$37,966,081 |  |
| Projected Prorated Sales (11/01/14-04/30/15) | 32,046,338 |  |
| Direct Cost of Gas Rate |  | \$1.1847 per therm |
| Demand Cost of Gas Rate | \$12,605,326 | \$0.3933 per therm |
| Commodity Cost of Gas Rate | \$25,360,756 | \$0.7914 per therm |
| Total Direct Cost of Gas Rate | \$37,966,081 | \$1.1847 per therm |
| Total Anticipated Indirect Cost of Gas | (\$2,492,322) |  |
| Projected Prorated Sales (11/01/14-04/30/15) | 32,046,338 |  |
| Indirect Cost of Gas |  | (\$0.0778) per therm |
| TOTAL PERIOD AVERAGE COST OF GAS |  | \$1.1069 per therm |
| Period ending under-collection as determined on 12/19/14 | (\$1,082,626) |  |
| Projected sales (01/01/15-04/30/15) | 21,875,707 |  |
| Per unit change in Cost of Gas (01/01/15-04/30/15) | (\$0.0495) |  |
| Period ending under-collection as determined on 1/26/15 | (\$1,323,342) |  |
| Projected sales (02/01/15-04/30/15) | 14,227,313 |  |
| Per unit change in Cost of Gas (02/01/15-04/30/15) | (\$0.0930) |  |
| ${ }^{-1}$ Under-collection w/o rate adjustement as contained in NUI's COG Report dated January 26, 2015 |  |  |
| RESIDENTIAL COST OF GAS RATE - 02/01/15 | COGwr | \$0.9644 per therm |
|  | Maximum (COG+25\%) | \$1.3836 |
| RESIDENTIAL COST OF GAS RATE - 11/01/14 |  | \$1.1069 |
| CHANGE IN PER UNIT COST |  | (\$0.0495) |
| RESDIENTIAL COST OF GAS RATE - 01/01/15 |  | \$1.0574 |
| CHANGE IN PER UNIT COST |  | (\$0.0930) |
| RESDIENTIAL COST OF GAS RATE - 02/01/15 |  | \$0.9644 |
| COM/IND LOW WINTER USE COST OF GAS RATE - 02/01/15 | COGwl | \$0.8638 per therm |
|  | Maximum (COG+25\%) | \$1.2579 |
| COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/14 |  | \$1.0063 |
| CHANGE IN PER UNIT COST |  | (\$0.0495) |
| COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/15 |  | \$0.9568 |
| CHANGE IN PER UNIT COST |  | (\$0.0930) |
| COM/IND LOW WINTER USE COST OF GAS RATE - 02/01/15 |  | \$0.8638 |


| COM/IND HIGH WINTER USE COST OF GAS RATE - 02/01/15 | COGwh | \$0.9792 |
| :--- | :--- | :---: |
|  | per therm |  |

Effective Date: February 1, 2015
Treasurer
Authorized by NHPUC Order No. 25,731 in Docket No. DG 14-239, dated October 31, 2014.

## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION WINTER SEASON RESIDENTIAL RATES

|  | Winter Season November 2014 - April 2015 | Tariff Rates | Total Delivery Rates (Includes LDAC) | Total Billed Rates <br> Tariff Rates, LDAC <br> Plus Cost of Gas |
| :---: | :---: | :---: | :---: | :---: |
| Residential Heating | Tariff Rate R 5: |  |  |  |
|  | Monthly Customer Charge | \$20.01 | \$20.01 | \$20.01 |
|  | First 50 therms | \$0.5844 | \$0.6493 | \$1.6137 |
|  | All usage over 50 therms | \$0.4780 | \$0.5429 | \$1.5073 |
|  | LDAC | \$0.0649 |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | \$0.9644 |  |  |


| Residential Heating | Tariff Rate R 10: |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Low Income | Monthly Customer Charge | \$8.00 | \$8.00 | \$8.00 |
|  | First 50 therms | \$0.2338 | \$0.2987 | \$1.2631 |
|  | All usage over 50 therms | \$0.1912 | \$0.2561 | \$1.2205 |
|  | LDAC | \$0.0649 |  |  |
|  | Gas Cost Adjustment: <br> Cost of Gas | \$0.9644 |  |  |



| Residential Non-Heating Low Income | Tariff Rate R 11: |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$14.54 | \$14.54 | \$14.54 |
|  | First 10 therms | \$0.2993 | \$0.3642 | \$1.3286 |
|  | All usage over 10 therms | \$0.2993 | \$0.3642 | \$1.3286 |
|  | LDAC | \$0.0649 |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | \$0.9644 |  |  |

Issued: January 26, 2015
Issued by:


Effective: With Service Rendered On and After February 1, 2015
Authorized by NHPUC Order No. 25,731 in Docket No. DG 14-239, dated October 31, 2014.

## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION WINTER SEASON C\&I RATES

|  | Winter Season November 2014 - April 2015 | Tariff Rates | Total Delivery Rates (Includes LDAC) | Total Billed Rates <br> Tariff Rates, LDAC <br> Plus Cost of Gas |
| :---: | :---: | :---: | :---: | :---: |
| C\&I Low Annual/High Winter | Tariff Rate G 40: <br> Monthly Customer Charge <br> First 75 therms <br> All usage over 75 therms <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\$ 63.18$ $\$ 0.1513$ $\$ 0.1513$ $\$ 0.0437$ $\$ 0.9792$ | $\quad$ \$63.18 $\$ 0.1950$ $\$ 0.1950$ | $\$ 1.1742$ $\$ 1.1742$ |
| C\&I Low Annual/Low Winter | Tariff Rate G 50: <br> Monthly Customer Charge <br> First 75 therms <br> All usage over 75 therms <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\$ 63.18$ $\$ 0.1513$ $\$ 0.1513$ $\$ 0.0437$ $\$ 0.8638$ | $\begin{aligned} & \quad \$ 63.18 \\ & \$ 0.1950 \\ & \$ 0.1950 \end{aligned}$ | $\$ 1.0588$ $\$ 1.0588$ |
| C\&I Medium Annual/High Winter | Tariff Rate G 41: <br> Monthly Customer Charge <br> All usage <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\$ 184.26$ $\$ 0.1965$ $\$ 0.0437$ $\$ 0.9792$ | $\square$ | $\begin{aligned} & \$ 184.26 \\ & \$ 1.2194 \end{aligned}$ |
| C\&I Medium Annual/Low Winter | Tariff Rate G 51: <br> Monthly Customer Charge <br> First 1,300 therms <br> All usage over 1,300 therms LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\$ 184.26$ $\$ 0.1424$ $\$ 0.1160$ $\$ 0.0437$ $\$ 0.8638$ | $\quad \$ 184.26$ $\$ 0.1861$ $\$ 0.1597$ | ${ }^{\$ 1.0499}$ $\$ 1.0235$ |
| C\&I High Annual/High Winter | Tariff Rate G 42: <br> Monthly Customer Charge <br> All usage <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\begin{gathered} \$ 1,052.94 \\ \$ 0.1652 \\ \$ 0.0437 \\ \$ 0.9792 \\ \hline \end{gathered}$ | $\begin{array}{r} \$ 1,052.94 \\ \$ 0.2089 \end{array}$ | $\begin{array}{r} \$ 1,052.94 \\ \$ 1.1881 \end{array}$ |
| C\&I High Annual/Low Winter | Tariff Rate G 52: <br> Monthly Customer Charge <br> All usage <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\begin{gathered} \$ 1,052.94 \\ \$ 0.1443 \\ \$ 0.0437 \\ \$ 0.8638 \\ \hline \end{gathered}$ | $\begin{array}{r} \$ 1,052.94 \\ \$ 0.1880 \end{array}$ | $\begin{array}{r} \$ 1,052.94 \\ \$ 1.0518 \end{array}$ |

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## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2014 - April 30, 2015

| (Col 1) | (Col 2) | (Col 3) |  |
| :---: | :---: | :---: | :---: |
| Total Anticipated Direct Cost of Gas | \$37,966,081 |  |  |
| Projected Prorated Sales (11/01/14-04/30/15) | 32,046,338 |  |  |
| Direct Cost of Gas Rate |  | \$1.1847 | per therm |
| Demand Cost of Gas Rate | \$12,605,326 | \$0.3933 | per therm |
| Commodity Cost of Gas Rate | \$25,360,756 | \$0.7914 | per therm |
| Total Direct Cost of Gas Rate | \$37,966,081 | \$1.1847 | per therm |
| Total Anticipated Indirect Cost of Gas | (\$2,492,322) |  |  |
| Projected Prorated Sales (11/01/14-04/30/15) | 32,046,338 |  |  |
| Indirect Cost of Gas |  | (\$0.0778) | per therm |
| TOTAL PERIOD AVERAGE COST OF GAS |  | \$1.1069 | per therm |


| Period ending under-collection as determined on 12/19/14 | $(\$ 1,082,626)$ |
| :--- | ---: |
| Projected sales (01/01/15-04/30/15) | $21,875,707$ |
| Per unit change in Cost of Gas (12/01/14-04/30/15) | $(\$ 0.0495)$ |
| $\quad{ }^{-1}$ Under-collection w/o rate adjustement as contained in NUI's COG Report dated December 19, 2014 |  |
|  |  |
| Period ending under-collection as determined on 1/26/15 | $(\$ 1,323,342)$ |
| Projected sales (02/01/15-04/30/15) | $14,227,313$ |
| Per unit change in Cost of Gas (02/01/15-04/30/15) | $\underline{(\$ 0.0930)}$ |
| -1 Under-collection w/o rate adjustement as contained in NUI's COG Report dated January 26, 2015 |  |


| RESIDENTIAL COST OF GAS RATE - 01/01/15-02/01/15 | COGwr | \$1.0574 \$0.9644 | per therm |
| :---: | :---: | :---: | :---: |
|  | Maximum (COG+25\%) | \$1.3836 |  |
| RESIDENTIAL COST OF GAS RATE - 11/01/14 |  | \$1.1069 |  |
| CHANGE IN PER UNIT COST |  | (\$0.0495) |  |
| RESIDENTIAL COST OF GAS RATE - 01/01/15 |  | \$1.0574 |  |
| CHANGE IN PER UNIT COST |  | (\$0.0930) |  |
| RESIDENTIAL COST OF GAS RATE - 02/01/15 |  | \$0.9644 |  |


| COM/IND LOW WINTER USE COST OF GAS RATE - $\mathbf{0 1 1 0 1 / 1 5 \mathbf { 0 2 / 0 1 / 1 5 }}$ | COGwI | $\mathbf{\$ 0 . 9 5 6 8} \mathbf{\$ 0 . 8 6 3 8}$ | per therm |
| :--- | :--- | :---: | :---: |
|  | Maximum (COG+25\%) | $\$ 1.2579$ |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/14 |  |  |  |
| CHANGE IN PER UNIT COST |  | $\$ 1.0063$ |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/15 | $(\$ 0.0495)$ |  |  |
| CHANGE IN PER UNIT COST | $\$ 0.9568$ |  |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 02/01/15 |  | $\underline{(\$ 0.0930)}$ |  |


| COM/IND HIGH WINTER USE COST OF GAS RATE $-1 / 01 / 15$ 02/01/15 | COGwh | \$1.0722 $\mathbf{\$ 0 . 9 7 9 2}$ | per therm |
| :--- | :--- | ---: | :--- |


| COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/14 | $\$ 1.1217$ |
| :--- | :---: |
| CHANGE IN PER UNIT COST | $(\$ 0.0495)$ |
| COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/15 | $\$ 1.0722$ |
| CHANGE IN PER UNIT COST | $\frac{(\$ 0.0930)}{(\$ 0.9792}$ |
| COM/IND HIGH WINTER USE COST OF GAS RATE - 02/01/15 |  |

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## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

 WINTER SEASON RESIDENTIAL RATES

| Residential Heating Low income | Tariff Rate R 10: |  |  | \$0.2987$\$ 0.2561$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | $\$ 8.00$ |  |  |  |  | \$8.00 |
|  | First 50 therms | \$0.2338 |  |  |  | \$1.3561 | \$1.2631 |
|  | All usage over 50 therms | \$0.1912 |  |  |  | \$1.3135 | \$1.2205 |
|  | LDAC | \$0.0649 |  |  |  |  |  |
|  | Gas Cost Adjustment: Cost of Gas | \$1.0574 | \$0.9644 |  |  |  |  |



| Residential Non-Heating Low income | Tariff Rate R 11: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$14.54 | \$14.54 |  | \$14.54 |
|  | First 10 therms | \$0.2993 | \$0.3642 | \$1.4216 | \$1.3286 |
|  | All usage over 10 therms | \$0.2993 | \$0.3642 | \$1.4216 | \$1.3286 |
|  | LDAC <br> Gas Cost Adiustment | \$0.0649 |  |  |  |
|  | Cost of Gas | \$1.0574 \$0.9644 |  |  |  |

$\frac{\operatorname{NeR}+\cos \rightarrow}{\text { Title: }}$

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NHPUC No. 11 - Gas

## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

 WINTER SEASON RESIDENTIAL RATES|  | Winter Season November 2014 - April 2015 | Tariff <br> Rates |  | Total Delivery Rates (Includes LDAC) |  | Total Billed Rates <br> Tariff Rates, LDAC <br> Plus Cost of Gas |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C\&I Low Annual/High Winter | Tariff Rate G 40: <br> Monthly Customer Charge <br> First 75 therms <br> All usage over 75 therms <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\begin{array}{r} \$ 63.18 \\ \$ 0.1513 \\ \$ 0.1513 \\ \$ 0.0437 \\ \\ \$ 1.0722 \end{array}$ | \$0.9792 | $\begin{aligned} & \$ 0.1950 \\ & \$ 0.1950 \end{aligned}$ | \$63.18 | $\begin{aligned} & \$ 1.2672 \\ & \$ 1.2672 \end{aligned}$ | $\begin{aligned} & \quad \$ 63.18 \\ & \$ 1.1742 \\ & \hline \$ 1.1742 \\ & \hline \end{aligned}$ |
| C\&I Low Annual/Low Winter | Tariff Rate G 50: <br> Monthly Customer Charge <br> First 75 therms <br> All usage over 75 therms <br> LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\begin{array}{r} \$ 63.18 \\ \$ 0.1513 \\ \$ 0.1513 \\ \$ 0.0437 \\ \\ \$ 0.9568 \end{array}$ | \$0.8638 | $\begin{aligned} & \$ 0.1950 \\ & \$ 0.1950 \end{aligned}$ | \$63.18 | $\begin{aligned} & \$ 1.1518 \\ & \$ 1.1518 \end{aligned}$ | $\begin{gathered} \$ 63.18 \\ \$ 1.0588 \\ \hline \$ 1.0588 \\ \hline \end{gathered}$ |


| C\&I Medium Annual/High Winter | Tariff Rate G 41: <br> Monthly Customer Charge | \$184.26 |  | \$0.2402 ${ }^{\text {\$184.26 }}$ | \$1.3124 | \$184.26 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | All usage | \$0.1965 |  |  |  | \$1.2194 |
|  | LDAC | \$0.0437 |  |  |  |  |
|  | Gas Cost Adjustment: |  |  |  |  |  |
|  | Cost of Gas | \$1.0722 | \$0.9792 |  |  |  |


| C\&I Medium Annual/Low Winter | Tariff Rate G 51: |  |  | $\begin{array}{ll} \\ \$ 0.1861 & \text { \$184.26 } \\ \text { \$0.1597 }\end{array}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$184.26 |  |  |  |  | \$184.26 |
|  | First 1,300 therms | \$0.1424 |  |  |  | \$1.1429 | \$1.0499 |
|  | All usage over 1,300 therms | \$0.1160 |  |  |  | \$1.1165 | \$1.0235 |
|  | LDAC | \$0.0437 |  |  |  |  |  |
|  | Gas Cost Adjustment: |  |  |  |  |  |  |
|  | Cost of Gas | \$0.9568 | \$0.8638 |  |  |  |  |


| C\&I High Annual/High Winter | Tariff Rate G 42: <br> Monthly Customer Charge | \$1,052.94 |  | \$0.2089 ${ }^{\text {\$1,052.94 }}$ | \$1.2811 | $\begin{gathered} \$ 1,052.94 \\ \$ 1.1881 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | All usage | \$0.1652 |  |  |  |  |
|  | LDAC | \$0.0437 |  |  |  |  |
|  | Gas Cost Adjustment: |  |  |  |  |  |
|  | Cost of Gas | \$1.0722 | \$0.9792 |  |  |  |


| C\&I High Annual/Low Winter | Tariff Rate G 52: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$1,052.94 |  | \$0.1880 ${ }^{\text {\$1,052.94 }}$ |  | \$1,052.94 |
|  | All usage | \$0.1443 |  |  | \$1.1448 | \$1.0518 |
|  | LDAC | \$0.0437 |  |  |  |  |
|  | Gas Cost Adjustment: |  |  |  |  |  |
|  | Cost of Gas | \$0.9568 | \$0.8638 |  |  |  |

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