Northern Utilities, Inc.
New Hampshire Division
Summer 2011 Cost of Gas - Compliance Filing

## Compliance Tariff Sheets

Fifty-eighth Revised Page 39
Calculation of Firm Sales Cost of Gas Rate

Fifty-third Revised Page 94
Summer Season Residential Rates

Fifty-third Revised Page 95
Summer Season C\&I Rates

Northern Utilities, Inc.
New Hampshire Division

## CHECK SHEET

The title page and pages $\mathrm{i}-171$ inclusive of this tariff are effective as of the date shown on the individual tariff pages.

| Pages | Revision | Proposed |
| :---: | :---: | :---: |
| Title | Original |  |
| i | Original |  |
| ii | Third Revised |  |
| iii | Second Revised |  |
| iv | Second Revised |  |
| v | Second Revised |  |
| 1 | Original |  |
| 2 | Original |  |
| 3 | Original |  |
| 4 | Original |  |
| 5 | Original |  |
| 6 | Original |  |
| 7 | Original |  |
| 8 | Original |  |
| 9 | Original |  |
| 10 | First Revised |  |
| 11 | Original |  |
| 12 | Original |  |
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| 14 | Original |  |
| 15 | Original |  |
| 16 | First Revised |  |
| 17 | First Revised |  |
| 18 | Third Revised |  |
| 19 | Third Revised |  |
| 20 | Fourth Revised |  |
| 20.1 | Original |  |
| 21 | Third Revised |  |
| 21.1 | Original |  |
| 22 | Second Revised |  |
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| 29 | Second Revised |  |
| 30 | Second Revised |  |
| 31 | Second Revised |  |
| 32 | Fourth Revised |  |
| 33 | Second Revised |  |
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| 36 | Second Revised |  |
| 37 | Third Revised |  |
| 37.1 | Second Revised |  |
| 37.2 | First Revised |  |
| 38 | Forty-seventh Revised |  |
| 39 | Fifty-eighth Revised | Compliance |

Northern Utilities, Inc.
New Hampshire Division

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The title page and pages $\mathrm{i}-171$ inclusive of this tariff are effective as of the date shown on the individual tariff pages.
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Northern Utilities, Inc.
New Hampshire Division

## CHECK SHEET

The title page and pages $\mathrm{i}-171$ inclusive of this tariff are effective as of the date shown on the individual tariff pages.

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Proposed

Northern Utilities, Inc.
New Hampshire Division

## CHECK SHEET

The title page and pages $\mathrm{i}-171$ inclusive of this tariff are effective as of the date shown on the individual tariff pages.

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| 169 | Ninth Revised |
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## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2011 - October 31, 2011


Effective Date: September 1, 2011
Issued By:


Authorized by NHPUC Order No. 25,215, in Docket No. DG 11-045, dated April 29, 2011.

## NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

SUMMER SEASON RESIDENTIAL RATES


| Residential Non-Heating | Tariff Rate R 6: |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Bi-monthly Customer Charge | \$19.00 | \$19.00 | \$19.00 |
|  | First 20 therms | \$0.4067 | \$0.4523 | \$1.0093 |
|  | All usage over 20 therms | \$0.3082 | \$0.3538 | \$0.9108 |
|  | Monthly Customer Charge | \$9.50 | \$9.50 | \$9.50 |
|  | First 10 therms | \$0.4067 | \$0.4523 | \$1.0093 |
|  | All usage over 10 therms | \$0.3082 | \$0.3538 | \$0.9108 |
|  | LDAC | \$0.0456 |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | \$0.5570 |  |  |


| Residential Non-Heating Low Income | Tariff Rate R 11: |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Bi-monthly Customer Charge | \$13.80 | \$13.80 | \$13.80 |
|  | First 20 therms | \$0.3084 | \$0.3540 | \$0.9110 |
|  | All usage over 20 therms | \$0.2335 | \$0.2791 | \$0.8361 |
|  | Monthly Customer Charge | \$6.90 | \$6.90 | \$6.90 |
|  | First 10 therms | \$0.3084 | \$0.3540 | \$0.9110 |
|  | All usage over 10 therms | \$0.2335 | \$0.2791 | \$0.8361 |
|  | LDAC | \$0.0456 |  |  |
|  | $\frac{\text { Gas Cost Adjustment: }}{\text { Cost of Gas }}$ | \$0.5570 |  |  |

Issued by:
Title:

Effective: With Service Rendered On and After September 1, 2011


Authorized by NHPUC Order No. 25,215, in Docket No. DG 11-045, dated April 29, 2011.

## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

 SUMMER SEASON C\&I RATES|  | Summer Season May 2011 - October 2011 | Tariff <br> Rates | Total Delivery Rates (Includes LDAC) | Total Billed Rates <br> Tariff Rates, LDAC Plus Cost of Gas |
| :---: | :---: | :---: | :---: | :---: |
| C\&I Low Annual/High Winter | Tariff Rate G 40: <br> Monthly Customer Charge | \$18.70 | \$18.70 | \$18.70 |
|  | First 75 therms | \$0.3077 | \$0.3326 | \$0.9457 |
|  | All usage over 75 therms | \$0.2007 | \$0.2256 | \$0.8387 |
|  | LDAC | \$0.0249 |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | \$0.6131 |  |  |


| C\&I Low Annual/Low Winter | Tariff Rate G 50: |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Monthly Customer Charge | $\$ 18.70$ | $\$ 18.70$ | $\$ \$ 18.70$ |
|  | First 75 therms | $\$ 0.3018$ | $\$ 0.3267$ | $\$ 0.8139$ |
|  | All usage over 75 therms | $\$ 0.1969$ | $\$ 0.2218$ | $\$ 0.7090$ |
|  | LDAC | $\$ 0.0249$ |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas |  |  |  |


| 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 | $\begin{gathered} \$ 60.30 \\ \$ 0.1124 \\ \$ 0.0249 \\ \$ 0.6131 \end{gathered}$ | $\$ 0.1373$ | $\begin{aligned} \$ 60.30 \\ \$ 0.7504 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |


| C\&I Medium Annual/Low Winter | Tariff Rate G 51: |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Monthly Customer Charge | $\$ 60.30$ |  |  |
|  | First 1000 therms | $\$ 0.1112$ | $\$ 0.1361$ | $\$ 0.6233$ |
|  | All usage over 1000 therms | $\$ 0.0780$ | $\$ 0.1029$ | $\$ 0.5901$ |
|  | LDAC | $\$ 0.0249$ |  |  |
|  | Gas Cost Adiustment: |  |  |  |
|  |  |  |  |  |


| C\&l High Annual/High Winter | Tariff Rate G 42: |  | $\begin{gathered} \$ 254.00 \\ \$ 0.1213 \end{gathered}$ | \$254.00 |
| :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$254.00 |  |  |
|  | All usage | \$0.0964 |  | \$0.7344 |
|  | LDAC | \$0.0249 |  |  |
|  | $\frac{\text { Gas Cost Adjustment: }}{\text { Cost of Gas }}$ | \$0.6131 |  |  |


| C\&l High Annual/Low Winter | Tariff Rate G 52: |  | $\begin{gathered} \$ 254.00 \\ \$ 0.0902 \end{gathered}$ | $\begin{aligned} & \$ 254.00 \\ & \$ 0.5774 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | Monthly Customer Charge | \$254.00 |  |  |
|  | All usage | \$0.0653 |  |  |
|  | LDAC | \$0.0249 |  |  |
|  | $\frac{\text { Gas Cost Adiustment: }}{\text { Cost of Gas }}$ | \$0.4872 |  |  |

Issued: August 24, 2011
Effective: With Service Rendered On and After September 1, 2011

Issued by:
Title:

Authorized by NHPUC Order No. 25,215, in Docket No. DG 11-045, dated April 29, 2011.

## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2011 - October 31, 2011

| ( Col 1 1) | $(\mathrm{Col} 2)$ |  | ( $\mathrm{Col} \mathrm{3)}$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total Anticipated Direct Cost of Gas | \$ | 4,737,762 |  |  |  |
| Projected Prorated Sales (05/01/11-10/31/11) |  | 7,400,642 |  |  |  |
| Direct Cost of Gas Rate |  |  | \$ | 0.6402 | per therm |
| Demand Cost of Gas Rate | \$ | 1,198,470 | \$ | 0.1619 | per therm |
| Commodity Cost of Gas Rate | \$ | 3,539,292 | \$ | 0.4782 | per therm |
| Total Direct Cost of Gas Rate | \$ | 4,737,762 | \$ | 0.6401 | per therm |
| Total Anticipated Indirect Cost of Gas | \$ | 201,572 |  |  |  |
| Projected Prorated Sales (05/01/11-10/31/11) |  | 7,400,642 |  |  |  |
| Indirect Cost of Gas |  |  | \$ | 0.0272 | per therm |
| TOTAL PERIOD AVERAGE COST OF GAS |  |  | \$ | 0.6673 | per therm |
| Period Ending Over-collection as determined on 6/24/11 | \$ | $(391,826)$ |  |  |  |
| PROJECTED SALES (07/01/11-10/31/11) |  | 5,755,456 |  |  |  |
| PER UNIT CHANGE IN COST OF GAS (07/01/11-10/31/11) | \$ | (0.0681) |  |  |  |
| Period Ending Under-collection as determined on 07/22/14 | \$ | 268,935 |  |  |  |
| PROJECTED SALES (8/01/11-10/31/11) |  | 3,883,054 |  |  |  |
| PER UNIT CHANGE IN COST OF GAS (8/01/10 - 10/31/11) | \$ | 0.0693 |  |  |  |
| Period Ending Under-collection as determined on 07/22/13 | \$ | (327, 130) |  |  |  |
| PROJECTED SALES (9/01/11-10/31/11) | S | 2,934,617 |  |  |  |
| PER UNIT CHANGE IN COST OF GAS (9/01/10-10/31/11) | 5 | (0.1115) |  |  |  |

1 Over-collection w/o fate adjustment as contained in NUI's COG Report dated June 24, 2011
${ }^{1}$ Under-collection w/o rate adjustment as contained in NUI's COG Report dated July 22, 2011
${ }^{3}$ Undor-colloction w/o rate adiustment as contained in NUI's $\operatorname{COG}$ Report dated August 24, 2011

| RESIDENTIAL COST OF GAS RATE -08/01/47 09/01/11 | COGwr | $80.6685 \$ 0.5570$ |  | per therm |
| :---: | :---: | :---: | :---: | :---: |
|  | Maximum (COG+25\%) | \$ | 0.8341 |  |
| RESIDENTIAL COST OF GAS RATE - 05/01/11 |  | \$ | 0.6673 |  |
| CHANGE IN PER UNIT COST |  | \$ | (0.0681) |  |
| RESIDENTIAL COST OF GAS RATE - 07/01/11 |  | \$ | 0.5992 |  |
| CHANGE IN PER UNIT COST |  | \$ | 0.0693 |  |
| RESIDENTIAL COST OF GAS RATE - 08/01/11 |  | \$ | 0.6685 |  |
| CHANGE IN PER UNIT COST |  | \$ | (0.1115) |  |
| RESIDENTIAL COST OF GAS RATE -09101/11 |  | \$ | 0.5570 |  |
| COMIND LOW WINTER USE COST OF GAS RATE -08401444 09/01/11 | COGwI | \$0.6987 \$0.4872 |  | per therm |
|  | Maximum (COG+25\%) | \$ | 0.7469 |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/11 |  | \$ | 0.5975 |  |
| CHANGE IN PER UNIT COST |  | S | (0.0681) |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 07/01/11 |  | \$ | 0.5294 |  |
| CHANGE IN PER UNIT COST |  | S | 0.0693 |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 08/01/11 |  | \$ | 0.5987 |  |
| CHANGE IN PER UNIT COST |  | $\bigcirc$ | (0.1115) |  |
| COMIND LOW WINTER USE COST OF GAS RATE -09101/11 |  | 5 | 0.4872 |  |


| COMIIND HIGH WINTER USE COST OF GAS RATE -08101/41 09/01/11 | COGwh | \$0,7240 $\$ 0.6131$ | per therm |
| :---: | :---: | :---: | :---: |
|  | Maximum (COG+25\%) | 0.8631 |  |
| COMIIND HIGH WINTER USE COST OF GAS RATE - 05/01/11 |  | \$ 0.7234 |  |
| CHANGE IN PER UNIT COST |  | \$ (0.0681) |  |
| COM/IND HIGH WINTER USE COST OF GAS RATE - 07/01/11 |  | \$ 0.6553 |  |
| CHANGE IN PER UNIT COST |  | \$ 0.0693 |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 08/01/11 |  | \$ 0.7246 |  |
| CHANGE IN PER UNIT COST |  | 5 (0.1115) |  |
| COMIND LOW WINTER USE COST OF GAS RATE-09/01/11 |  | \$ 0.6131 |  |
| Issued: dily 22Auqust 24,2011 | Issued By: | NXHCOO |  |
| Effective Date: Angust 1 September 1, 2011 |  | Treas |  |

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SUMMER SEASON RESIDENTIAL RATES


| Residential Heating Low Income | Tariff Rate R 10: <br> Monthly Customer Charge <br> First 50 therms <br> All usage over 50 therms LDAC <br> Gas Cost Adjustment: <br> Cost of Gas | $\begin{array}{r} \$ 3.80 \\ \$ 0.1641 \\ \$ 0.1196 \\ \$ 0.0456 \end{array}$ | $\begin{aligned} & \$ 0.2097^{\$ 3.80} \\ & \$ 0.1652 \end{aligned}$ | $\begin{gathered} \$ 3.80 \\ \$ 0.8782 \underline{0.7667} \\ \$ 0.833870 .7222 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |


| Residential Non-Heating Tariff Rate R 6: <br> Bi-monthly Customer Charge <br>  <br>  <br>  <br>  <br>  <br> First 20 therms <br>  Monthly Customer Cher 20 therms <br>  First 10 therms <br> All usage over 10 therms  <br>  LDAC <br> Gas Cost Adjustment:  <br> Cost of Gas  | $\begin{array}{\|} \$ 19.00 \\ \$ 0.4067 \\ \$ 0.3082 \\ \\ \$ 9.50 \\ \$ 0.4067 \\ \$ 0.3082 \\ \$ 0.0456 \\ \\ \$ 0.66850 .5570 \\ \hline \end{array}$ | $\quad$\$19.00 <br> $\$ 0.4523$ <br> $\$ 0.3538$ <br> $\$ 9.50$ <br> $\$ 0.4523$ <br> $\$ 0.3538$ | $\$ 19.00$ $\$ 4.12081 .0093$ $\$ 1.02230 .9108$ $\$ 9.50$ $\$ 4,12081.0093$ $\$ 4.02230 .9108$ |
| :---: | :---: | :---: | :---: |


| Residential Non-Heating Low Income | Tariff Rate R 11: <br> Bi-monthly Customer Charge <br> First 20 therms <br> All usage over 20 therms <br> Monthly Customer Charge <br> First 10 therms <br> All usage over 10 therms LDAC <br> Gas Cost Adiustment: <br> Cost of Gas | $\begin{array}{\|r} \$ 13.80 \\ \$ 0.3084 \\ \$ 0.2335 \\ \\ \$ 6.90 \\ \$ 0.3084 \\ \$ 0.2335 \\ \$ 0.0456 \end{array}$ | $\quad \$ 13.80$ <br> $\$ 0.3540$ <br> $\$ 0.2791$ <br> $\$ 6.90$ <br> $\$ 0.3540$ <br> $\$ 0.2791$ | $\begin{array}{r} \$ 13.80 \\ \$ 1.02250 .9110 \\ \$ 0.94760 .8361 \\ \$ \$ .90 \\ \$ 1.02250 .9110 \\ \$ 0.94760 .8361 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |

Issued: July-22Auqust 24, 2011
Issued by:
Effective: With Service Rendered On and After AugustSeptember 1, $2011 \quad$ Title:
Authorized by NHPUC Order No. 25,215, in Docket No. DG 11-045, dated April 29, 2011. Treasurer

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

| Summer Season May 2010 - October 2010 | Tariff Rates | Total Delivery Rates (Includes LDAC) | Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas |
| :---: | :---: | :---: | :---: |
| C\&l Low Annual/High Winter Tariff Rate G 40: |  |  |  |
| Monthly Customer Charge | \$18.70 | \$18.70 | \$18.70 |
| First 75 therms | \$0.3077 | \$0.3326 | \$1.0.5720.9457 |
| All usage over 75 therms | \$0.2007 | \$0.2256 | \$0.95020.8387 |
| LDAC | \$0.0249 |  |  |
| Gas Cost Adjustment: |  |  |  |
| Cost of Gas | \$0.72460.6131 |  |  |


| C\&I Low Annual/Low Winter Tariff Rate G 50: |  |  |  |
| :---: | :---: | :---: | :---: |
| Monthly Customer Charge | \$18.70 | \$18.70 | \$18.70 |
| First 75 therms | \$0.3018 | \$0.3267 | \$0.92540.8139 |
| All usage over 75 therms | \$0.1969 | \$0.2218 | \$0.82050.7079 |
| LDAC | \$0.0249 |  |  |
| Gas Cost Adjustment: |  |  |  |
| Cost of Gas | \$0.59870.4872 |  |  |


| C\&I Medium Annual/High Wi Tariff Rate G 41: |  |  |  |
| :---: | :---: | :---: | :---: |
| Monthly Customer Charge | \$60.30 | \$60.30 | \$60.30 |
| All usage | \$0.1124 | \$0.1373 | \$0.86190.7504 |
| LDAC | \$0.0249 |  |  |
| Gas Cost Adjustment: |  |  |  |


| C\&1 Medium Annual/Low Wir Tariff Rate G 51: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Monthly Customer Charge |  | $\$ 60.30$ |  | $\$ 60.30$ |
| First 1000 therms |  | $\$ 0.1112$ | $\$ 0.1361$ | $\$ 60.30$ |
| All Usage Over 1000 therms |  | $\$ 0.0780$ | $\$ 0.1029$ | $\$ 0.73480 .6233$ |
|  |  | $\$ 0.0249$ |  |  |
| LDAC |  |  |  |  |
| Gas Cost Adjustment: |  |  |  |  |
| Cost of Gas |  |  |  |  |


| C\&1 High Annual/High Wintel Tariff Rate G 42: |  |  |  |
| :---: | :---: | :---: | :---: |
| Monthly Customer Charge | \$254.00 | \$254.00 | \$254.00 |
| All usage | \$0.0964 | \$0.1213 | \$0.84590.7344 |
| LDAC | \$0.0249 |  |  |
| Gas Cost Adjustment: |  |  |  |
| Cost of Gas | \$0.72460.6131 |  |  |


| C\&1 High Annual/Low Winter Tariff Rate G 52: |  |  |  |
| :---: | :---: | :---: | :---: |
| Monthly Customer Charge | \$254.00 | \$254.00 | \$254.00 |
| All usage | \$0.0653 | \$0.0902 | \$0.68890.5774 |
| LDAC | \$0.0249 |  |  |
| $\frac{\text { Gas Cost Adjustment: }}{\text { Cost of Gas }}$ |  |  |  |

Issued: duty-22Auqust 24, 2011
Issued by:
Effective: With Service Rendered On and After AuguSeptember 1, 2011 Title:
Authorized by NHPUC Order No. 25,215, in Docket No. DG 11-045, dated April 29, 2011.

