Northern Utilities, Inc.
New Hampshire Division
Winter 2010/2011 Cost of Gas - Compliance Filing

## Compliance Tariff Sheets

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


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 |  |
| 13 | Original |  |
| 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 |  |
| 23 | Second Revised |  |
| 24 | Second Revised |  |
| 25 | Second Revised |  |
| 26 | Second Revised |  |
| 27 | Second Revised |  |
| 28 | Second Revised |  |
| 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-third Revised |  |

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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Northern Utilities, Inc.
New Hampshire Division

## CHECK SHEET

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Proposed

Northern Utilities, Inc.
New Hampshire Division

## CHECK SHEET

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

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| 164 | Original |
| 165 | Original |
| 166 | Original |
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| 170 | Ninth Revised |
| $170-a$ | Original |
| $170-b$ | Original |
| 171 | Third Revised |
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## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2010 - April 30, 2011
(Col 1)
Total Anticipated Direct Cost of Gas
Projected Prorated Sales (11/01/10-04/30/11) Direct Cost of Gas Rate

Demand Cost of Gas Rate
Commodity Cost of Gas Rate
Total Direct Cost of Gas Rate
Total Anticipated Indirect Cost of Gas
Projected Prorated Sales (11/01/10-04/30/11) Indirect Cost of Gas

TOTAL PERIOD AVERAGE COST OF GAS

| Period Ending Over-collection as determined on 11/23/10 ${ }^{1}$ | \$ | $(626,426)$ |
| :---: | :---: | :---: |
| PROJECTED SALES (12/01/10-04/30/11) |  | 24,981,850 |
| PER UNIT CHANGE IN COST OF GAS (12/01/10-04/30/11) | \$ | (0.0251) |
| Period Ending Under-collection as determined on 12/22/10 ${ }^{2}$ | \$ | 938,491 |
| PROJECTED SALES (01/01/11-04/30/11) |  | 20,259,333 |
| PER UNIT CHANGE IN COST OF GAS (01/01/01-04/30/11) | \$ | 0.0463 |
| ${ }^{1}$ Over-callection who rate adjustment as contained in NU's COG Report dated November 23, 2010 |  |  |
| ${ }^{2}$ Under-collection w/o rate adjustment as contained in Nul's $C O G$ Report da |  |  |

2 Under-collection w/o rate adiustment as contained in NU's COG Report dated December 22.2010

| RESIDENTIAL COST OF GAS RATE -01/01/11 | COGwr | $\mathbf{\$ 1 . 1 1 9 9}$ | per therm |
| :--- | :--- | :--- | :--- |
|  | Maximum (COG+25\%) | $\$ 1.3734$ |  |
| RESIDENTIAL COST OF GAS RATE -11/01/10 |  |  |  |
| CHANGE IN PER UNIT COST |  | $\$ 1.0987$ |  |
| RESIDENTIAL COST OF GAS RATE -12/01/10 | $\$(0.0251)$ |  |  |
| CHANGE IN PER UNIT COST | $\$ 1.0736$ |  |  |
| RESIDENTIAL COST OF GAS RATE-01/01/11 | $\$ 0.0463$ |  |  |


| COMIND LOW WINTER USE COST OF GAS RATE - 01/01/11 | COGwI | $\$ 0.9914$ | per therm |
| :--- | :--- | :--- | :--- |
|  | Maximum (COG+25\%) | $\mathbf{\$ 1 . 2 1 2 8}$ |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 11/01/10 |  | $\$ 0.9702$ |  |
| CHANGE IN PER UNIT COST |  | $\$(0.0251)$ |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 12/01/10 |  | $\$ 0.9451$ |  |
| CHANGE N PER UNIT COST | $\$ 0.0463$ |  |  |
| COM/IND LOW WINTER USE COST OF GAS RATE - 01/01/11 |  | $\$ 0.9914$ |  |


| COMAND HIGH WINTER USE COST OF GAS RATE -01/01/11 | COGwh | $\$ 1.1443$ | per therm |
| :--- | :--- | :--- | :--- |


| COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/10 | $\$ 1.1231$ |
| :--- | :--- |
| CHANGE IN PER UNIT COST | $\$(0.0251)$ |
| COM/ND HIGH WINTER USE COST OF GAS RATE - 12/01/10 | $\$ 1.0980$ |
| CHANGE IN PER UNIT COST | $\$ 0.0463$ |
| COM/IND HIGH WINTER USE COST OF GAS RATE -01/01/11 | $\$ 1.1443$ |



Authorized by NHPUC Order No. 25,162, in Docket No. DG 10-250, dated October 29, 2010.

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

|  | Winter Season <br> November 2010 - April 2011 | Total <br> Tariff <br> Rates | Total Billed Rates <br> Delivery Rates <br> (Includes LDAC) | Tariff Rates, LDAC <br> Plus Cost of Gas |
| :--- | :--- | :---: | :---: | :---: |
| Residential Heating | Tariff Rate R 5: | $\$ 9.50$ | $\$ 9.50$ | $\$ 9.50$ |
|  | Monthly Customer Charge | $\$ 0.4102$ | $\$ 0.4558$ | $\$ 1.5757$ |
|  | First 50 therms | $\$ 0.2990$ | $\$ 0.3446$ | $\$ 1.4645$ |
|  | All usage over 50 therms | $\$ 0.0456$ |  |  |
|  | LDC | $\$ 1.1199$ |  |  |
|  | Gas Cost Adjustment: | Cost of Gas |  |  |


| Residential Heating | Tariff Rate R 10: |  |  |  |
| :--- | :--- | ---: | ---: | ---: |
| Low Income | Monthly Customer Charge | $\$ 3.80$ | $\$ 3.80$ | $\$ 1.3296$ |
|  | First 50 therms | $\$ 0.1641$ | $\$ 0.2097$ | $\$ 1.80$ |
|  | All usage over 50 therms | $\$ 0.1196$ | $\$ 0.1652$ | $\$ 1.2851$ |
|  | LDC | $\$ 0.0456$ |  |  |
|  | Gas Cost Adjustment: |  |  |  |




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## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION

 WINTER SEASON C\&IRATES|  | Winter Season <br> November 2010 -April 2011 | Tariff <br> Rates | Total <br> Delivery Rates <br> (Includes LDAC) | $\frac{\text { Total Billed Rates }}{\text { Tariff Rates, LDAC }}$ <br> Plus Cost of Gas |
| :--- | :--- | :---: | :---: | :---: |
| C\&I Low Annual/High Winter | Tariff Rate G 40: | $\$ 18.70$ | $\$ 18.70$ |  |
|  | Monthly Customer Charge | $\$ 18.70$ | $\$ 0.3077$ | $\$ 0.3326$ |
|  | First 75 therms | $\$ 0.2007$ | $\$ 0.2256$ | $\$ 1.4769$ |
|  | All usage over 75 therms | $\$ 1.3699$ |  |  |
|  | LDC | $\$ 0.0249$ |  |  |
|  | Gas Cost Adjustment: | $\$ 1.1443$ |  |  |




| C\&I Medium Annual/Low Winter | Tariff Rate G 51: |  |  |  |
| :--- | :--- | ---: | ---: | ---: |
|  | Monthly Customer Charge | $\$ 60.30$ | $\$ 60.30$ | $\$ 60.30$ |
|  | First 1,300 therms | $\$ 0.1862$ | $\$ 0.2111$ | $\$ 1.2025$ |
|  | All usage over 1,300 therms | $\$ 0.1467$ | $\$ 0.1716$ | $\$ 1.1630$ |
|  | LDC | $\$ 0.0249$ |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | $\$ 0.9914$ |  |  |




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Nelaco $\rightarrow$
Treasurer

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## CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2010 - April 30, 2011
$\quad(\mathrm{Col} 1)$
Total Anticipated Direct Cost of Gas
Projected Prorated Sales (11/01/10-04/30/11)
Direct Cost of Gas Rate
Demand Cost of Gas Rate
Commodity Cost of Gas Rate
Total Direct Cost of Gas Rate
Total Anticipated Indirect Cost of Gas
Projected Prorated Sales (11/01/10-04/30/11)
Indirect Cost of Gas
TOTAL PERIOD AVERAGE COST OF GAS

| Period Ending over collection as determined on 11/23/10 ${ }^{1}$ | $\$ \square 162$ |  |  |
| :---: | :---: | :---: | :---: |
| PROJECTED SALES (12/01/10-4/30/11) | 24,98 |  |  |
| PER UNIT CHANGE IN COST OF GAS (12/01/10-4/30/11) | \$ |  |  |
| ${ }^{1}$ Under-collection w/o rate adjustment as contained in Nul's COG Report dated November 23, 2010 |  |  |  |
| Period Ending Under-collection as determined on 12/22/10 ${ }^{2}$ | \$ 93 |  |  |
| PROJECTED SALES (01/01/11 - 4/30/11) | 20,25 |  |  |
| PER UNIT CHANGE IN COST OF GAS (01/01/11-4/30/11) | 5 |  |  |
| 'Under-collection wlo rate adiustment as contained in NUl's COG Report dated December 22, 2010 |  |  |  |
| ${ }^{2}$ - Under-collection w/o rate adiustment as contained in NUl's COG Report dated December 22, 2010 |  |  |  |
| RESIDENTIAL COST OF GAS RATE - $21041001 / 01 / 11$ | COGwr | \$1.0726 \$1.1199 | per therm |
|  | Maximum (COG+25\%) | \$ 1.3734 |  |
| RESIDENTIAL COST OF GAS RATE - $11 / 01 / 10$ |  | \$ 1.0987 |  |
| CHANGE IN PER UNIT COST |  | S (0.0251) |  |
| RESIDENTIAL COST OF GAS RATE - $12 / 01 / 10$ |  | \$ $\quad 1.0736$ |  |
| CHANGE INPER UNIT COST |  | S 0.0463 |  |
| RESIDENTIAL COST OF GAS RATE - 01/01/11 |  | \$ 1.1199 |  |


| COMIND LOW WINTER USE COST OF GAS RATE - $42.041001 / 01 / 11$ | COGwl | S. 0454 \$0.9914 | per therm |
| :---: | :---: | :---: | :---: |
|  | Maximum (COG+25\%) | \$ 1.2128 |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 11/01/10 |  | S 0.9702 |  |
| CHANGE IN PER UNIT COST |  | S (0.0251) |  |
| COMIIND LOW WINTER USE COST OF GAS RATE -12/01/10 |  | . 0.9451 |  |
| CHANGE IN PER UNIT COST |  | \$ 0.0463 |  |
| COMIND LOW WINTER USE COST OF GAS RATE - 01/01/11 |  | S 0.9914 |  |


| COM/IND HIGH WINTER USE COST OF GAS RATE - | COGwh | \$4.0080 51.1443 per therm |
| :---: | :---: | :---: |
|  | Maximum (COG $+25 \%$ ) | \$ 1.4039 |
| COMIND HIGH WINTER USE COST OF GAS RATE - $11 / 01 / 10$ |  | $\$ \quad 1.1231$ |
| CHANGE IN PER UNIT COST |  | S (0.0251) |
| COMIND HIGH WINTER USE COST OF GAS RATE - $12 / 01 / 10$ |  | \$ $\quad 1.0980$ |
| CHANGE IN PER UNIT COST |  | \$ 0.0463 |
| COM/IND HIGH WINTER USE COST OF GAS RATE - 01/01/11 |  | \$ 1.1443 |
| Issued: 23-2010 December 22,2010 | Issued By: | NaCHCQOS |
| Effective Date: Dermerte Januarv 1, 2011 |  | Treasurer |

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## NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION WINTER SEASON RESDDENTIAL RATES

|  | Winter Season November 2010-April 2011 | Tariff <br> Rates | Total Delivery Rates (Includes LDAC) | Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas |
| :---: | :---: | :---: | :---: | :---: |
| Residential Heating | Tariff Rate R 5: |  |  |  |
|  | Monthly Customer Charge | \$9.50 | \$9.50 | \$9.50 |
|  | First 50 therms | \$0.4102 | \$0.4558 | 4.52841 .5757 |
|  | All usage over 50 therms | \$0.2990 | \$0.3446 | 4.4482-1.4645 |
|  | LDAC | \$0.0456 |  |  |
|  | Gas Cost Adjustment: |  |  |  |
|  | Cost of Gas | 4.0736-1.1199 |  |  |


| Residential Heating | Tariff Rate R 10: |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Low Income | Monthly Customer Charge | $\$ 3.80$ | $\$ 3.80$ | $\$ 3.80$ |
|  | First 50 therms | $\$ 0.1641$ | $\$ 0.2097$ | $4.2833-1.3296$ |
|  | All usage over 50 therms | $\$ 0.1196$ | $\$ 0.1652$ | $4.2388-\mathbf{1 . 2 8 5 1}$ |
|  | LDAC | $\$ 0.0456$ |  |  |
|  | Gas Cost Adiustment: |  |  |  |
|  |  |  |  |  |


| Residential Non-Heating Tariff Rate R 6: <br>  Bi-monthly Customer Charge <br> First 20 therms <br>  <br>  <br> All usage over 20 therms <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br> Fonthly Customer Charge 10 therms <br> ADAC <br>  <br> Gas Cost Adjustment: 10 therms <br> Cost of Gas | $\$ 19.00$ $\$ 0.4067$ $\$ 0.3082$ $\$ 9.50$ $\$ 0.4067$ $\$ 0.3082$ $\$ 0.0456$ $7.0736-1.1199$ | $\quad \$ 19.00$ <br> $\$ 0.4523$ <br> $\$ 0.3538$ <br> $\$ 9.50$ <br> $\$ 0.4523$ <br> $\$ 0.3538$ | $\begin{aligned} & \$ 1.5269-1.5722 \\ & 4.4274-1.4737 \\ & \$ 9.50 \\ & 4.6259-1.5722 \\ & 4.4274-4737 \end{aligned}$ |
| :---: | :---: | :---: | :---: |


| 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: Cost of Gas | $\begin{array}{r} \$ 13.80 \\ \$ 0.3084 \\ \$ 0.2335 \\ \\ \$ 6.90 \\ \$ 0.3084 \\ \$ 0.2335 \\ \$ 0.0456 \\ 4.0736-1.1199 \end{array}$ | $\quad \$ 13.80$ $\$ 0.3540$ $\$ 0.2791$ $\$ 0.3540$ $\$ 0.2791$ | $\$ 13.80$ $4.4276-1.4739$ $4.3627-1.3990$ $\$ 6.90$ $4.4276-1.4739$ 4.35271 .3990 |
| :---: | :---: | :---: | :---: | :---: |

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Title:

NBLCOM
Treasurer

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






| C\&I High Annual/Low Winter | Tariff Rate G 52: |  | $\$ 254.00$ | $\$ 254.00$ |
| :--- | :--- | ---: | ---: | ---: |
|  | Monthly Customer Charge |  | $\$ 0.1262$ | $\$ 0.1511$ |
|  | All usage | $\$ 0.0249$ |  | $4.0962-1.1425$ |
|  | LDC |  |  |  |
|  | Gas Cost Adjustment: | Cost of Gas |  |  |

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Title:

NHeHCO
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