# Northern Utilities, Inc. New Hampshire Division 

Report for<br>Revised 2008 Summer Period Cost of Gas<br>Effective September 1, 2008

DG 08-041

## Cost of Gas Rate Change Effective September 1

The August 2008 Cost of Gas ("COG") calculation, which reflects the NYMEX Gas Futures prices of August 21, 2008 indicates an anticipated over-recovery as of October 31, 2008 of $\$ 1,604,711$ or $12.96 \%$ of the total anticipated gas costs for the 2008 Summer COG period. To eliminate the anticipated over-collection, Northern is decreasing the Residential classes' COG to $\$ 0.9305$ per therm, a decrease of $\$ 0.2745$ per therm, effective September 1, 2008. Commercial and Industrial customers will experience an comparable decrease to their rates. This rate change is reflected on Thirty-ninth Revised Page 38, Thirty-ninth Revised Page 39, Thirty-fourth Revised Page 94, Thirty-fourth Revised Page 95 and Thirty-fourth Revised Page 96.

## NORTHERN UTILITIES, INC. <br> NEW HAMPSHIRE DIVISION

Calculation of the Projected Over or Under Collection of the
Summer 2008 Period Cost of Gas
DG 08-041
August 2008 (Estimated)

| Under/(Over) collection as of 08/01/08-forecasted (1) |  |  | \$ | $(286,394)$ |
| :---: | :---: | :---: | :---: | :---: |
| Forecasted firm therm sales 08/1/08-10/31/08 | 7,398,040 |  |  |  |
| Current recover rate per therm | \$ | 1.2050 |  |  |
| Forecasted recovered costs at current rate 08/1/08-10/31/08 |  |  | \$ | $(8,914,638)$ |
| Revised projected direct gas costs 08/1/08-10/31/08 (2) |  |  | \$ | 7,592,891 |
| Revised projected indirect gas costs 05/1/08-10/31/08 (3) |  |  |  | \$3,430 |
| Projected under/(over) collection as of 10/31/08 (A) |  |  | \$ | (1,604,711) |


| Actual gas costs to date | 4,782,419 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Revised projected gas costs 08/1/08-10/31/08 |  | 7,596,321 |  |  |
| Estimated total adjusted gas costs 05/1/08-10/31/08 (B) |  |  | \$ | 12,378,739 |


| Under/(over) collection as percent of total gas costs (A/B) | $-12.96 \%$ |
| :--- | ---: |
| Projected under/(over) collection as of 10/31/08 (A) | $\$$ |
| Estimated firm therm sales 09/1/08 - 10/31/08 (C) | $(1,604,711)$ |
| Change in rate required to eliminate forecasted under/(over) collection (A/C) | $5,846,860$ |
| Current cost of gas rate  <br> Revised cost of gas rate - as calculated $\$$ |  |

(1) includes prior period adjustments
(2) Revised as follows:
-August 21 futures prices for September through October.
(3) includes: Working Capital Allowance, Bad Debt Allowance, Production and Storage Capacity, Miscellaneous Overhead, Refunds and Interest.

Note: The Company may adjust the approved cost of gas rate of $\$ 1.1315$ upward or downward on a monthly basis, but the cumulative adjustments shall not exceed twenty percent of the approved unit cost of gas. The adjusted cost of gas rate shall not be more than $\$ 1.3578$ per therm or less than $\$ 0.9052$ per therm (Per Order No. 24,853 dated April 23, 2008).

# CALCULATION OF COST OF GAS ADJUSTMENT <br> New Hampshire Division <br> Period Covered: May 1, 2008 - October 312008 <br> Anticipated Cost of Delivered and Produced Gas 


N.H.P.U.C No. 10

Thirty-ninth Revised Page 39 Superseding Thirty-eighth Page 39

| Working Capital Calculation |  |
| :---: | :---: |
| Total Anticipated Direct Cost of Gas-Commodity | \$10,669,664 |
| Total Anticipated Direct Cost of Gas-Demand | \$1,705,643 |
| Interruptible Profits |  |
| LESS Anticipated Direct Costs assigned to Non-Grandfathered Transportatio | (\$4,684,352) |
| Total Direct Cost of Gas | \$7,690,955 |
| Total Direct gas Costs | \$7,690,955 |
| Working Capital Percentage (NHPUC No. 10 Section 4.06.1) | 0.19\% |
| Working Capital Allowance (NHPUC No. 10 Section 4.06.1) | \$14,613 |
| Plus: Working Capital Reconciliation | \$24 |
| Total Working Capital Allowance | \$14,637 |
| Bad Debt Calculation |  |
| Total Anticipated Direct Cost of Gas | \$7,690,955 |
| Plus: Total Working Capital | \$14,637 |
| Subtotal | \$7,705,591 |
| Bad Debt Percentage (NHPUC No. 10 Section 4.06.1) | 0.45\% |
| Total Bad Debt Allowance | \$34,675 |
| Plus: Bad Debt Reconciliation | (\$474) |
| Total Bad Debt Allowance | \$34,201 |
| Working Capital Allowance | $\frac{\$ \$}{\$ 14,637}$ |
| Bad Debt Allowance | \$34,201 |
| Miscellaneous Overhead-23.157\% Allocated to Summer Season | \$28,784 |
| Capacity Reserve (Forecasted Transportation Therms * $\$ 0.0055$ ) | $(\$ 74,192)$ |
| Production and Storage Capacity | \$0 |
| Prior Period Under/(Over) Collection | $(\$ 95,342)$ |
| Refunds | \$0 |
| Interest | (\$12,427) |
| Total Anticipated Indirect Cost of Gas | (\$104,339) |
| Total Anticipated Direct Cost of Gas-Commodity | \$10,669,664 |
| Total Anticipated Direct Cost of Gas-Demand | \$1,705,643 |
| Total Anticipated Period Cost of Gas | \$12,270,968 |
| Forecasted Off-Peak Period Therms-Fim | 10,129,680 |
| Forecasted Non-Grandfathered Therms | 4,055,100 |
| Forecasted Therms-Total | 14,184,780 |
| Forecasted Transportation Therms | 13,489,420 |


|  | Residential | C\&I Low Winter | C\&I High Winter |
| :---: | :---: | :---: | :---: |
| Forecasted Summer Season Cost of Gas Rate: |  |  |  |
| COGs-Commodity | \$1.0164 | \$1.0345 | \$0.9863 |
| COGs-Demand | \$0.1202 | \$0.0849 | \$0.2010 |
| COGs-Indirect | (\$0.0051) | (\$0.0051) | (\$0.0051) |
| COGs-Total | \$1.1315 | \$1.1143 | \$1.1822 |
| June 1 Rate Adjustment | \$0.1916 | \$0.1916 | \$0.1916 |
| August 1 Rate Adjustment | - \$0.1181 | - $\$ 0.1181$ | - 50.1181 |
| September 1 Rate Adjustment | - $\$ 0.2745$ | - $\$ 0.2745$ | - \$0.2745 |
| September 1 Billing Rate | \$0.9305 | \$0.9133 | \$0.9812 |
| Minimum | \$0.9052 | \$0.8914 | \$0.9458 |
| Maximum | \$1.3578 | \$1.3372 | \$1.4186 |

Issued: August 22, 2008
Effective: With Service Rendered On and After September 1, 2008
Authorized by NHPUC Order No. 24,853 in Case No.DG 08-041 dated April 23, 2008


NHPUC No. 10 - Gas
Thirty-fourth Revised Page 94 NORTHERN UTILITIES, INC.

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

|  | Summer Season <br> May 2008 - October 2008 |  | Tariff <br> Rates | Total <br> Delivery Rates <br> (Includes LDAC) | Total Billed Rates <br> Tariff Rates, LDAC <br> Plus Cost of Gas |
| :--- | :--- | :---: | :---: | :---: | :---: |
| Residential Heating | Tariff Rate R 5: |  | $\$ 9.50$ | $\$ 9.50$ | $\$ 9.50$ |
|  | Monthly Customer Charge |  | $\$ 0.4102$ | $\$ 0.4296$ | $\$ 1.3601$ |
|  | First 50 therms | $\$ 0.2990$ | $\$ 0.3184$ | $\$ 1.2489$ |  |
|  | All usage over 50 therms |  | $\$ 0.0194$ |  |  |
|  | LDAC |  |  |  |  |
|  | Gas Cost Adjustment: |  |  |  |  |


| Residential Heating Low Income | Tariff Rate R 10: <br> Monthly Customer Charge <br> First 50 therms <br> All usage over 50 therms <br> LDAC <br> Gas Cost Adiustment: <br> Cost of Gas | $\begin{array}{r} \$ 3.80 \\ \$ 0.1641 \\ \$ 0.1196 \\ \$ 0.0194 \\ \$ 0.9305 \end{array}$ | $\begin{array}{ll}  & \$ 3.80 \\ \$ 0.1835 \\ \$ 0.1390 \end{array}$ | $\begin{aligned} & \$ 1.140 \\ & \$ 1.80 \\ & \$ 1.0695 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |


| Residential Non-Heating | Tariff Rate R 6: <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 Adjustment: Cost of Gas | $\$ 19.00$ $\$ 0.4067$ $\$ 0.3082$ $\$ 9.50$ $\$ 0.4067$ $\$ 0.3082$ $\$ 0.0194$ $\$ 0.9305$ |   <br> $\$ 0.4261$  <br> $\$ 0.3276$  <br> $\$ 19.00$  <br> $\$ 0.4261$ $\$ 9.50$ <br> $\$ 0.3276$  | $\quad$$\$ 19.00$ <br> $\$ 1.3566$ <br> $\$ 1.2581$ <br> $\$ 1.3566^{\$ .50}$ <br> $\$ 1.2581$ |
| :---: | :---: | :---: | :---: | :---: |



Issued: August 22, 2008
Effective: With Service Rendered On and After September 1, 2008 Authorized by NHPUC Order No. 24,853 in Docket No. DG 08-041, dated April 23, 2008


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

|  | Summer Season May 2008 - October 2008 | Tariff Rates | Total <br> 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 LDAC <br> Gas Cost Adiustment: <br> Cost of Gas | $\begin{array}{r} \$ 18.70 \\ \$ 0.3077 \\ \$ 0.2007 \\ \$ 0.0138 \\ \\ \$ 0.9812 \end{array}$ | $\begin{aligned} & \$ 0.3215 \\ & \$ 0.2145 \end{aligned}$ | $\quad \$ 18.70$ $\$ 1.3027$ $\$ 1.1957$ |







Issued: August 22, 2008
Effective: With Service Rendered On and After September 1, 2008
Authorized by NHPUC Order No. 24,853 in Docket No. DG 08-041, dated April 23, 2008

Issued b Title:


## NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION <br> SUMMER SEASON DELIVERY RATES

|  | Summer Season <br> May 2008 - October 2008 | Tariff <br> Rates | Total <br> Dellvery Rates <br> (Includes LDAC) |
| :--- | :--- | ---: | ---: |
| C\&I Low Annua//High Winter | Tariff Rate T 40: |  | $\$ 18.70$ |
|  | Monthly Customer Charge | $\$ 0.3077$ | $\$ 0.3215$ |
|  | First 75 therms | $\$ 0.2007$ | $\$ 0.2145$ |
| (Capacity exempt Customers Only) | All usage over 75 therms | Capacity Reserve Charge | $\$ 0.0055$ |
|  | LDAC | $\$ 0.0138$ |  |


issued: August 22, 2008
Effective: With Service Rendered On and After September 1, 2008


Authorized by NHPUC Order No. 24,853 in Docket No. DG 08-041, dated April 23, 2008

Northern Utilities - NEW HAMPSHIRE DIVISION



Northern Utilities - New Hampshire Transportation Customer Count and Usage Report
Supplement to Monthly Cost of Gas Reporting


| Monthly Customer Billed Therm Usage by Rate Class and Status (GR=Grandfathered, NG=Non-Grandfathered) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate Class | Status | Aug-07 | Sep-07 | Oct-07 | Nov-07 | Dec-07 | Jan-08 | Feb-08 | Mar-08 | Apr-08 | May-08 | Jun-08 | Jul-08 | Annual |
| T40 | GR |  |  |  | 310 | 519 | 987 | 1,277 | 1,319 | 1,062 | 816 | 412 | 103 | 6,805 |
| T41 | GR | 1,355 | 4,332 | 9,829 | 9,146 | 13,516 | 36,063 | 35,402 | 32,498 | 24,260 | 13,463 | 7,010 | 2,339 | 189,213 |
| T42 | GR | 15,869 | 17,531 | 21,782 | 77,502 | 136,793 | 187,482 | 178,106 | 165,504 | 156,341 | 103,979 | 33,895 | 15,133 | 1,109,917 |
| T50 | GR | 1,100 | 606 | 855 | 1,433 | 1,617 | 522 | 316 | 610 | 474 | 563 | 449 | 206 | 8,751 |
| T51 | GR | 2,714 | 3,235 | 6.758 | 8,129 | 8,215 | 7,430 | 5,397 | 9,145 | 7,466 | 7,690 | 5,253 | 2,693 | 74,125 |
| T52 | GR | 959,029 | 975,125 | 1,128,612 | 1,277,258 | 1,157,957 | 1,422,948 | 1,299,853 | 1,433,919 | 1,618,142 | 1,332,225 | 932,726 | 591,170 | 14,128,964 |
| Special Contract | GR | 566,143 | 575,885 | 549,391 | 626,705 | 582,237 | 561,145 | 655,925 | 719,306 | 725,707 | 613,483 | 548,960 | 547,262 | 7,272,149 |
| Total | GR | 1,546,210 | 1,576,714 | 1,717,227 | 2,000,483 | 1,900,854 | 2,216,577 | 2,176,276 | 2,362,301 | 2,533,452 | 2,072,219 | 1,528,705 | 1,158,906 | 22,789,924 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T40 | NG | 13,796 | 12,482 | 16,200 | 21,506 | 46,678 | 99,737 | 117,178 | 115,534 | 102,451 | 75,073 | 40,353 | 15,120 | 676,108 |
| T41 | NG | 70,355 | 66,730 | 83,217 | 108,695 | 244,501 | 486,783 | 626,481 | 596,723 | 522,102 | 378,098 | 175,773 | 65,598 | 3,425,056 |
| T42 | NG | 21,068 | 21,964 | 30,549 | 58,974 | 139,689 | 226,944 | 216,122 | 204,287 | 147,596 | 87,075 | 49,946 | 13,543 | 1,217,757 |
| T50 | NG | 12,434 | 14,885 | 17,011 | 14,256 | 19,032 | 27,707 | 31,971 | 30,957 | 30,777 | 26,189 | 20,177 | 13,845 | 259,241 |
| T51 | NG | 88,054 | 98,708 | 94,688 | 94,557 | 102,540 | 138,676 | 158,791 | 145,710 | 155,593 | 125,021 | 102,325 | 93,688 | 1,398,351 |
| T52 | NG | 11,110 | 12,353 | 66,395 | 29,638 | 31,694 | 92,831 | 70,435 | 63,827 | 65,226 | 50,951 | 46,177 | 37,099 | 577,736 |
| Special Contract | NG | 429,475 | 468,398 | 432,684 | 438,062 | 372,272 | 250,800 | 382,725 | 408,935 | 456,023 | 447,939 | 464,926 | 421,133 | 4,973,372 |
| Total | NG | 646,292 | 695,520 | 740,744 | 765,688 | 956,406 | 1,323,478 | 1,603,703 | 1,565,973 | 1,479,768 | 1,190,346 | 899,677 | 660,026 | 12,527,621 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Combined |  | 2,192,502 | 2,272,234 | 2,457,971 | 2,766,171 | 2,857,260 | 3,540,055 | 3,779,979 | 3,928,274 | 4,013,220 | 3,262,565 | 2,428,382 | 1,818,932 | 35,317,545 |







