

NORTHERN UTILITIES, INC.
NEW HAMPSHIRE DIVISION
Calculation of the Projected Over or Under Collection of the
Winter 2015-2016 Period Cost of Gas
DG 15-393
December 2015 Estimated

| | | |
|---|------------|--------------|
| Under/(Over) collection as of 11/01/15 | \$ | 644,149 |
| Forecasted firm therm sales 12/01/2015 - 04/30/2016 | | |
| Residential Heat & Non Heat | 13,055,351 | |
| HLF Classes | 2,824,042 | |
| LLF Classes | 13,142,297 | |
| Current recovery rate per therm | | |
| Residential heat & non heat | \$0.6052 | |
| HLF classes | \$0.5944 | |
| LLF classes | \$0.6098 | |
| Total | \$ | (17,593,882) |
| Forecasted recovered costs at current rates 12/01/2015 - 04/30/2016 | \$ | (17,593,882) |
| Actual Recovered Costs 11/01/2015 - 11/30/2015 | \$ | (1,897,376) |
| Estimated total recovered costs 11/01/15 - 04/30/16 | \$ | (19,491,258) |
| Revised projected direct gas costs 11/01/15 - 04/30/16 [1] | \$ | 17,652,010 |
| Revised projected indirect gas costs 11/01/15 - 04/30/16 [2] | \$ | 974,005 |
| Projected under/(over) collection as of 04/30/16 | \$ | (221,094) |

| | | |
|--|----|------------|
| Actual gas costs to date 11/01/2015 - 11/30/2015 | \$ | 2,533,274 |
| Revised projected indirect gas costs 12/01/2015 - 04/30/2016 | \$ | 820,739 |
| Revised projected direct gas costs 12/01/2015 - 04/30/2016 | \$ | 15,272,003 |
| Estimated total adjusted gas costs 11/1/15 - 04/30/16 | \$ | 18,626,015 |

| | |
|---|--------|
| Under/(over) collection as percent of total gas costs | -1.19% |
|---|--------|

| | | |
|--|----|-----------|
| Projected under/(over) collection as of 04/30/16 | \$ | (221,094) |
|--|----|-----------|

NOTES

[1] Revised as follows:

- Futures prices as of December 14, 2015

[2] Includes: Working Capital Allowance, Bad Debt, On-system Production and Storage and Capacity, Miscellaneous Overhead and Interest

Peak Period

Northern Utilities
 NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

| | | Summer | | | | | | Winter | | | | | Nov- Apr Total | | |
|----------------|---|--------|------------|------------|------------|------------|------------|------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Sales Revenues | | Apr-15 | May-15 | Jun-15 | Jul-15 | Aug-15 | Sep-15 | Oct-15 | Nov-15 | (Forecast) Dec-15 | (Forecast) Jan-16 | (Forecast) Feb-16 | | (Forecast) Mar-16 | (Forecast) Apr-16 |
| 1 | Volumes | | | | | | | | 1,921,947 | 2,831,438 | 3,574,582 | 2,988,250 | 2,303,570 | 1,357,510 | 14,977,297 |
| 2 | Residential Heat & Non Heat | | | | | | | | 1,921,947 | 2,831,438 | 3,574,582 | 2,988,250 | 2,303,570 | 1,357,510 | 14,977,297 |
| 3 | Sales HLF Classes | | | | | | | | 415,742 | 612,477 | 773,229 | 646,397 | 498,292 | 293,647 | 3,239,784 |
| 4 | Sales LLF Classes | | | | | | | | 1,934,746 | 2,850,295 | 3,598,389 | 3,008,152 | 2,318,911 | 1,366,551 | 15,077,044 |
| 5 | Total | | | | | | | | 4,272,435 | 6,294,210 | 7,946,200 | 6,642,799 | 5,120,773 | 3,017,709 | 33,294,125 |
| 6 | Rates | | | | | | | | | | | | | | |
| 7 | Residential Heat & Non Heat CGA | | | | | | | | \$0.6052 | \$0.6052 | \$0.6052 | \$0.6052 | \$0.6052 | \$0.6052 | |
| 8 | Sales HLF Classes CGA | | | | | | | | \$0.5944 | \$0.5944 | \$0.5944 | \$0.5944 | \$0.5944 | \$0.5944 | |
| 9 | Sales LLF Classes CGA | | | | | | | | \$0.6098 | \$0.6098 | \$0.6098 | \$0.6098 | \$0.6098 | \$0.6098 | |
| 10 | Revenues | | | | | | | | | | | | | | |
| 11 | Residential Heat & Non Heat | | | | | | | | \$ (1,713,586) | \$ (2,163,337) | \$ (1,808,489) | \$ (1,394,120) | \$ (821,565) | \$ (7,901,098) | |
| 12 | Sales HLF Classes | | | | | | | | \$ (364,056) | \$ (459,607) | \$ (384,219) | \$ (296,185) | \$ (174,544) | \$ (1,678,611) | |
| 13 | Sales LLF Classes | | | | | | | | \$ (1,738,110) | \$ (2,194,297) | \$ (1,834,371) | \$ (1,414,072) | \$ (833,323) | \$ (8,014,173) | |
| 14 | Total Sales Revenues | | \$ 2,639 | \$ 462 | \$ (541) | \$ (137) | \$ 1,923 | \$ (239) | \$ (1,897,376) | \$ (3,815,752) | \$ (4,817,242) | \$ (4,027,079) | \$ (3,104,377) | \$ (1,829,432) | \$ (19,491,258) |
| 15 | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | |
| 17 | Gas Costs and Credits | | | | | | | | | | | | | | |
| 18 | | | May-16 | Jun-16 | Jul-16 | Aug-16 | Sep-16 | Oct-16 | Nov-15 | (Forecast) Dec-15 | (Forecast) Jan-16 | (Forecast) Feb-16 | (Forecast) Mar-16 | (Forecast) Apr-16 | Total |
| 19 | Net Demand Costs (Net of Injection Fees & Cap. Assign.) | | | | | | | | | | | | | | |
| 20 | Pipeline | | | | | | | | \$ 214,118 | \$ 214,118 | \$ 214,118 | \$ 214,118 | \$ 214,118 | \$ 214,118 | \$ 1,070,589 |
| 21 | Storage | | | | | | | | \$ 1,085,382 | \$ 1,085,382 | \$ 1,085,382 | \$ 1,085,382 | \$ 503,439 | \$ 4,844,966 | |
| 22 | Peaking | | | | | | | | \$ 349,636 | \$ 349,636 | \$ 349,636 | \$ 349,636 | \$ 57,296 | \$ 1,455,840 | |
| 23 | Gross Demand Costs | | | | | | | | \$ 1,649,136 | \$ 1,649,136 | \$ 1,649,136 | \$ 1,649,136 | \$ 774,852 | \$ 7,371,396 | |
| 24 | | | | | | | | | | | | | | | |
| 25 | Asset Management and Capacity Release | | | | | | | | | | | | | | |
| 26 | NUI AMA Revenue | | | | | | | | \$ (797,083) | \$ (797,083) | \$ (797,083) | \$ (797,083) | \$ (797,083) | \$ (9,565,000) | |
| 27 | NUI Capacity Release | | | | | | | | \$ (5,416) | \$ (5,416) | \$ (5,416) | \$ (5,416) | \$ (5,416) | \$ (64,987) | |
| 28 | NUI AMA Rev & Cap. Release Subtotal | | | | | | | | \$ (802,499) | \$ (802,499) | \$ (802,499) | \$ (802,499) | \$ (802,499) | \$ (4,012,495) | |
| 29 | NH AMA Revenue | | | | | | | | \$ (281,198) | \$ (281,198) | \$ (281,198) | \$ (281,198) | \$ (281,198) | \$ (3,374,382) | |
| 30 | NH Capacity Release | | | | | | | | \$ (2,278) | \$ (2,278) | \$ (2,278) | \$ (2,278) | \$ (2,278) | \$ (27,338) | |
| 31 | NH Total Asset Management and Capacity Release | | | | | | | | \$ (283,477) | \$ (283,477) | \$ (283,477) | \$ (283,477) | \$ (283,477) | \$ (1,417,383) | |
| 32 | | | | | | | | | | | | | | | |
| 33 | PNGTS Refund | | | | | | | | \$ (813,393.06) | \$ (813,393.06) | \$ (813,393.06) | \$ (813,393.06) | \$ (813,393.06) | \$ (4,066,965) | |
| 34 | | | | | | | | | | | | | | | |
| 35 | Total Demand Costs | | \$ 617,390 | \$ 441,739 | \$ 430,192 | \$ 298,349 | \$ 346,829 | \$ 480,197 | \$ 707,650 | \$ 552,266 | \$ 552,266 | \$ 552,266 | \$ 552,266 | \$ (322,018) | \$ 1,887,047 |
| 36 | | | | | | | | | | | | | | | |
| 37 | NUI Commodity Costs | | | | | | | | | | | | | | |
| 38 | NUI Total Pipeline Volumes | | | | | | | | 1,219,835 | 1,156,065 | 1,070,794 | 1,067,603 | 777,347 | 5,291,644 | |
| 39 | Pipeline Costs Modeled in Sendout™ | | | | | | | | \$ 7,114,402 | \$ 7,483,015 | \$ 6,950,003 | \$ 6,280,082 | \$ 2,336,835 | \$ 30,164,337 | |
| 40 | NYMEX Price Used for Forecast | | | | | | | | \$ 2,8970 | \$ 3,0070 | \$ 3,0100 | \$ 2,9770 | \$ 2,8430 | | |
| 41 | NYMEX Price Used for Update | | | | | | | | \$ 2,2060 | \$ 1,8940 | \$ 1,9590 | \$ 2,0180 | \$ 2,1090 | | |
| 42 | Increase/(Decrease) NYMEX Price | | | | | | | | \$ (0.69) | \$ (1.11) | \$ (1.05) | \$ (0.96) | \$ (0.73) | | |
| 43 | Increase/(Decrease) in Pipeline Costs | | | | | | | | \$ (842,906) | \$ (1,286,700) | \$ (1,125,404) | \$ (1,023,831) | \$ (570,573) | \$ (4,849,414) | |
| 44 | Updated Pipeline Costs | | | | | | | | \$ 6,271,496 | \$ 6,196,314 | \$ 5,824,599 | \$ 5,256,251 | \$ 1,766,262 | \$ 25,314,923 | |
| 45 | Interruptible Volumes - NH | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | |
| 46 | Average Supply Cost (\$/MMBtu) | | | | | | | | \$ 5.14 | \$ 5.36 | \$ 5.44 | \$ 4.92 | \$ 2.27 | | |
| 47 | Interruptible Cost - NH | | | | | | | | \$ - | \$ - | \$ - | \$ - | \$ - | | |
| 48 | Total Updated Pipeline Costs | | | | | | | | \$ 6,271,496 | \$ 6,196,314 | \$ 5,824,599 | \$ 5,256,251 | \$ 1,766,262 | | |
| 49 | New Hampshire Allocated Percentage | | | | | | | | 40.66% | 40.24% | 40.49% | 40.21% | 39.11% | | |
| 50 | NH Updated Pipeline Costs | | | | | | | | \$ 2,549,807 | \$ 2,493,401 | \$ 2,358,605 | \$ 2,113,284 | \$ 690,793 | \$ 10,205,890 | |
| 51 | Hedging (Gain)/Loss Estimate | | | | | | | | | | | | | | |
| 52 | NYMEX Options Contracts | | | | | | | | | | | | | | |
| 53 | Number of Contracts | | | | | | | | 42 | 52 | 41 | 33 | 0 | | |
| 54 | Option Contract Price | | | | | | | | \$ 0.1080 | \$ 0.1100 | \$ 0.1030 | \$ 0.1050 | \$ - | | |
| 55 | Hedging Expenses | | | | | | | | \$45,360 | \$57,200 | \$42,230 | \$34,650 | \$0 | \$179,440 | |
| 56 | NYMEX Option Strike Price | | | | | | | | \$ 6.0000 | \$ 6.5000 | \$ 6.2500 | \$ 6.5000 | \$ - | | |
| 57 | NYMEX Price Used for Forecast | | | | | | | | 2.2060 | 1.8940 | 1.9590 | 2.0180 | 2.1090 | | |
| 58 | Strike Price Hit | | | | | | | | No | No | No | No | \$ - | \$ - | |
| 59 | Option Hedging Gain (Credit) | | | | | | | | \$0 | \$0 | \$0 | \$0 | \$0 | | |

| | | | | | | | | | | | | | | | | |
|-----|--|--|----------------|----------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|----------------|---------------|---------------|
| 60 | Tota Northern Hedginf Net Cost | | | | | | | | | | \$45,360 | \$57,200 | \$42,230 | \$34,650 | \$0 | |
| 61 | New Hampshire Allocated Percentage | | | | | | | | | | 40.66% | 40.24% | 40.49% | 40.21% | 39.11% | |
| 62 | NH Futures Hedging Net Cost | | | | | | | | | | \$18,442 | \$23,017 | \$17,101 | \$13,931 | \$0 | \$ 72,491 |
| 63 | NH Commodity Costs | | | | | | | | | | | | | | | |
| 64 | Pipeline Excl Hedging | | | | | | | | | | \$ 2,549,807 | \$ 2,493,401 | \$ 2,358,605 | \$ 2,113,284 | \$ 690,793 | \$ 10,205,890 |
| 65 | Hedging (Gain)/Loss Estimate | | | | | | | | | | \$18,442 | \$23,017 | \$17,101 | \$13,931 | \$0 | \$ 72,491 |
| 66 | Storage | | | | | | | | | | \$ 459,389 | \$ 763,736 | \$ 736,404 | \$ 227,807 | \$ - | \$ 2,187,335 |
| 67 | Peaking | | | | | | | | | | \$ 9,240 | \$ 1,027,825 | \$ (170,823) | \$ 41,981 | \$ 9,688 | \$ 917,911 |
| 68 | Total Commodity Costs | | \$ 3,495 | \$ 10,312 | \$ (55,523) | \$ 15,875 | \$ - | \$ (93,714) | \$ 1,672,357 | \$ 3,036,878 | \$ 4,307,979 | \$ 2,941,287 | \$ 2,397,002 | \$ 700,481 | \$ 15,055,984 | |
| 69 | Inventory Finance Charge | | \$ 122 | \$ 144 | \$ 157 | \$ 152 | \$ 172 | \$ 201 | | \$ 384 | \$ 348 | \$ 270 | \$ 176 | \$ 150 | \$ 1,328 | |
| 70 | | | | | | | | | | | | | | | | |
| 71 | Total Anticipated Direct Cost of Gas | | \$ 621,008 | \$ 452,194 | \$ 374,826 | \$ 314,376 | \$ 347,001 | \$ 386,684 | \$ 2,380,007 | \$ 3,589,528 | \$ 4,860,593 | \$ 3,493,823 | \$ 2,949,445 | \$ 378,614 | \$ 17,652,010 | |
| 72 | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | |
| 76 | Working Capital | | | | | | | | | | | | | | | |
| 77 | Total Anticipated Direct Cost of Gas | | \$ 621,008 | \$ 452,194 | \$ 374,826 | \$ 314,376 | \$ 347,001 | \$ 386,684 | \$ 2,380,007 | \$ 3,589,528 | \$ 4,860,593 | \$ 3,493,823 | \$ 2,949,445 | \$ 378,614 | \$ 17,652,010 | |
| 78 | Working Capital Percentage | | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.0824% | | |
| 79 | Working Capital Allowance | | \$ 511 | \$ 372 | \$ 309 | \$ 259 | \$ 286 | \$ 318 | \$ 2,072 | \$ 3,068 | \$ 4,115 | \$ 2,990 | \$ 2,541 | \$ 424 | \$ 15,210 | |
| 80 | Beginning Period Working Capital Balance | | \$ (3,542) | \$ (3,040) | \$ (2,675) | \$ (2,373) | \$ (2,120) | \$ (1,840) | \$ (1,526) | \$ 545 | \$ 3,619 | \$ 7,750 | \$ 10,764 | \$ 13,338 | | |
| 81 | End of Period Working Capital Allowance | | \$ (3,031) | \$ (2,667) | \$ (2,366) | \$ (2,114) | \$ (1,834) | \$ (1,521) | \$ 546 | \$ 3,613 | \$ 7,734 | \$ 10,739 | \$ 13,306 | \$ 13,762 | | |
| 82 | Interest | | \$ (9) | \$ (8) | \$ (7) | \$ (6) | \$ (5) | \$ (5) | \$ (1) | \$ 6 | \$ 15 | \$ 25 | \$ 33 | \$ 37 | \$ 114 | |
| 83 | End of period with Interest | | \$ (3,542) | \$ (3,040) | \$ (2,675) | \$ (2,373) | \$ (2,120) | \$ (1,840) | \$ (1,526) | \$ 545 | \$ 3,619 | \$ 7,750 | \$ 10,764 | \$ 13,338 | \$ 13,799 | |
| 84 | Bad Debt | | | | | | | | | | | | | | | |
| 85 | Bad Debt Allowance | | \$ 23,501 | \$ 44,482 | \$ 73,815 | \$ 48,819 | \$ 26,237 | \$ 3,643 | \$ 12,683 | \$ 41,850 | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 41,850 | \$ 126,383 | |
| 86 | Beginning Period Bad Debt Balance | | \$ (64,204) | \$ (40,846) | \$ 3,586 | \$ 77,511 | \$ 126,606 | \$ 153,221 | \$ 157,284 | \$ 170,411 | \$ 212,779 | \$ 223,369 | \$ 233,987 | \$ 244,634 | | |
| 87 | End of Period Bad Debt Balance | | \$ (40,703) | \$ 3,636 | \$ 77,401 | \$ 126,330 | \$ 152,843 | \$ 156,865 | \$ 169,967 | \$ 212,261 | \$ 222,779 | \$ 233,369 | \$ 243,987 | \$ 286,484 | | |
| 88 | Interest | | \$ (142) | \$ (50) | \$ 110 | \$ 276 | \$ 378 | \$ 420 | \$ 443 | \$ 518 | \$ 590 | \$ 618 | \$ 647 | \$ 719 | \$ 3,536 | |
| 89 | End of Period Bad Debt Balance with Interest | | \$ (64,204) | \$ (40,846) | \$ 3,586 | \$ 77,511 | \$ 126,606 | \$ 153,221 | \$ 157,284 | \$ 170,411 | \$ 212,779 | \$ 223,369 | \$ 233,987 | \$ 244,634 | \$ 287,204 | |
| 90 | Local Production and Storage Capacity | | | | | | | | \$ 70,110 | \$ 70,110 | \$ 70,110 | \$ 70,110 | \$ 70,110 | \$ 70,110 | \$ 420,658 | |
| 91 | Miscellaneous Overhead | | | | | | | | \$ 65,800 | \$ 65,800 | \$ 65,800 | \$ 65,800 | \$ 65,800 | \$ 65,800 | \$ 394,798 | |
| 92 | Gas Cost Other than Bad Debt and Working Capital Over/Under Collection | | | | | | | | | | | | | | | |
| 93 | Beginning Balance Over/Under Collection | | \$ (2,001,587) | \$ (1,382,516) | \$ (932,991) | \$ (560,725) | \$ (247,579) | \$ 101,148 | \$ 488,390 | \$ 1,109,091 | \$ 1,021,658 | \$ 1,203,928 | \$ 809,304 | \$ 792,447 | | |
| 94 | Net Costs - Revenues | | \$ 623,647 | \$ 452,657 | \$ 374,285 | \$ 314,240 | \$ 348,924 | \$ 386,445 | \$ 618,540 | \$ (90,315) | \$ 179,261 | \$ (397,347) | \$ (19,023) | \$ (1,314,909) | | |
| 95 | Ending Balance before Interest | | \$ (1,377,940) | \$ (929,859) | \$ (558,705) | \$ (246,486) | \$ 101,346 | \$ 487,593 | \$ 1,106,931 | \$ 1,018,776 | \$ 1,200,918 | \$ 806,581 | \$ 790,281 | \$ (522,462) | | |
| 96 | Average Balance | | \$ (1,689,763) | \$ (1,156,188) | \$ (745,848) | \$ (403,606) | \$ (73,117) | \$ 294,370 | \$ 797,660 | \$ 1,063,933 | \$ 1,111,288 | \$ 1,005,254 | \$ 799,792 | \$ 134,993 | | |
| 97 | Interest Rate | | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | 3.25% | | |
| 98 | Interest Expense | | \$ (4,576) | \$ (3,131) | \$ (2,020) | \$ (1,093) | \$ (198) | \$ 797 | \$ 2,160 | \$ 2,881 | \$ 3,010 | \$ 2,723 | \$ 2,166 | \$ 366 | \$ 13,306 | |
| 99 | Ending Balance Incl Interest Expense | | \$ (2,001,587) | \$ (1,382,516) | \$ (932,991) | \$ (560,725) | \$ (247,579) | \$ 101,148 | \$ 488,390 | \$ 1,109,091 | \$ 1,021,658 | \$ 1,203,928 | \$ 809,304 | \$ 792,447 | \$ (522,096) | |
| 100 | Total Over/Under Collection Ending Balance | | \$ (2,069,333) | \$ (1,426,401) | \$ (932,080) | \$ (485,588) | \$ (123,093) | \$ 252,529 | \$ 644,149 | \$ 1,280,047 | \$ 1,238,055 | \$ 1,435,046 | \$ 1,054,055 | \$ 1,050,419 | \$ (221,094) | |
| 101 | | | | | | | | | | | | | | | | |
| 102 | Total Indirect Cost of Gas | | \$ - | \$ 19,285 | \$ 41,665 | \$ 72,207 | \$ 48,255 | \$ 26,698 | \$ 5,174 | \$ 153,267 | \$ 184,233 | \$ 153,640 | \$ 152,265 | \$ 151,296 | \$ 179,305 | \$ 974,005 |
| 103 | | | | | | | | | | | | | | | | |
| 104 | Total Cost of Gas | | \$ - | \$ 640,292 | \$ 493,859 | \$ 447,033 | \$ 362,631 | \$ 373,699 | \$ 391,858 | \$ 2,533,274 | \$ 3,773,761 | \$ 5,014,232 | \$ 3,646,088 | \$ 3,100,741 | \$ 557,919 | \$ 18,626,015 |
| 105 | | | | | | | | | | | | | | | | |
| 106 | Total Interest | | \$ - | \$ (4,727) | \$ (3,189) | \$ (1,917) | \$ (823) | \$ 175 | \$ 1,213 | \$ 2,602 | \$ 3,405 | \$ 3,615 | \$ 3,366 | \$ 2,846 | \$ 1,122 | \$ 16,956 |

Northern Utilities, Inc.
Price Risk Management
Profit and Loss Statement
November 2015

Account # 53325

Current

| | |
|-----|--------------|
| ACB | (\$2,993.42) |
| TE | (\$2,993.42) |
| LV | \$25,503.58 |

ACTIVITY - Purchase Cost and Profit and Loss **Expense** **Profit and Loss**

| Date | Description | State | Contracts | Option Premium | Strike Price | Option Purchase Cost | |
|--------------------|-------------|-------|-----------|----------------|--------------|----------------------|--------|
| <i>Net P&L</i> | | | | | | | \$0.00 |

TRANSACTION COSTS **Subtotal** **Total**

| | | | | | | | |
|------------------------------------|------|---|--------|--------|--|--|--------|
| Transaction Cost-Enter Options | Both | 0 | \$7.36 | \$0.00 | | | |
| Transaction Cost-Exit Options | | 0 | | \$0.00 | | | |
| <i>Total New Transaction Costs</i> | | | | | | | \$0.00 |

OPEN CALL OPTION POSITIONS-Expense and Open Trade Equity **Total** **Total**

| | State | QTY | Actual Option Premium | Option Purchase Cost | Strike Price | 11/30/15 Futures Price | Current Open Trade Equity | |
|---|---------------|------|-----------------------|----------------------|---------------------|------------------------|---------------------------|---------------|
| 06/26/14 | Jan16 Options | Both | 52 | 0.110 | \$57,200.00 | \$6.500 | \$2.235 | \$0.00 |
| 07/29/14 | Feb16 Options | Both | 41 | 0.103 | \$42,230.00 | \$6.250 | \$2.290 | \$0.00 |
| 08/27/14 | Mar16 Options | Both | 33 | 0.105 | \$34,650.00 | \$6.500 | \$2.319 | \$0.00 |
| 04/28/15 | Nov16 Options | Both | 18 | 0.077 | \$13,860.00 | \$4.800 | \$2.597 | \$0.00 |
| 05/27/15 | Dec16 Options | Both | 31 | 0.085 | \$26,350.00 | \$5.250 | \$2.756 | \$0.00 |
| 06/26/15 | Jan17 Options | Both | 45 | 0.103 | \$46,350.00 | \$6.000 | \$2.870 | \$0.00 |
| 07/29/15 | Feb17 Options | Both | 46 | 0.099 | \$45,540.00 | \$6.250 | \$2.865 | \$0.00 |
| 08/27/15 | Mar17 Options | Both | 37 | 0.080 | \$29,600.00 | \$6.300 | \$2.820 | \$0.00 |
| <i>Total Expense, Open Trade Equity</i> | | | | | \$295,780.00 | | | \$0.00 |

OPEN CALL OPTION POSITIONS- Long Option Value **Total**

| | State | QTY | Current Option Premium | Current Option Value | Strike Price | |
|----------|--------------------------------|------|------------------------|----------------------|--------------------|---------|
| 06/26/14 | Jan16 Options | Both | 52 | 0.0001 | \$52.00 | \$6.500 |
| 07/29/14 | Feb16 Options | Both | 41 | 0.0003 | \$123.00 | \$6.250 |
| 08/27/14 | Mar16 Options | Both | 33 | 0.0007 | \$231.00 | \$6.500 |
| 04/28/15 | Nov16 Options | Both | 18 | 0.0120 | \$2,160.00 | \$4.800 |
| 05/27/15 | Dec16 Options | Both | 31 | 0.0134 | \$4,154.00 | \$5.250 |
| 06/26/15 | Jan17 Options | Both | 45 | 0.0149 | \$6,705.00 | \$6.000 |
| 07/29/15 | Feb17 Options | Both | 46 | 0.0170 | \$7,820.00 | \$6.250 |
| 08/27/15 | Mar17 Options | Both | 37 | 0.0196 | \$7,252.00 | \$6.300 |
| 11/30/15 | <i>Total Long Option Value</i> | | | | \$28,497.00 | |

MARGIN CASH BALANCE **Subtotal** **Total**

| | | | | | | |
|----------|--|--|--|--|--------|--------------|
| 11/01/15 | Beginning Balance-carried forward from last month | | | | | (\$2,993.42) |
| | Interest Credit | | | | \$0.00 | |
| | Net Deposit to Margin Account | | | | \$0.00 | |
| | Option Premiums of new activity | | | | \$0.00 | |
| | Monthly Transaction Costs | | | | \$0.00 | |
| | <i>Total Monthly Cash Adjustment</i> | | | | | \$0.00 |
| 11/30/15 | Ending Balance (ACB) | | | | | (\$2,993.42) |

NORTHERN UTILITIES, INC.
DETERMINATION OF INVENTORY FINANCING FROM MONEY POOL
November 2015

| | Total Inventory | Average bal beg + end / 2 | Internally Financed | Money Pool Interest Rate | Interest to Defer | NH | ME |
|--------------|------------------------|--------------------------------------|--------------------------------|---|------------------------------|------------|-------------|
| January 2014 | \$6,995,461.07 | \$8,834,201.13 | \$8,834,201.13 | 1.56% | \$11,484.46 | \$5,424.11 | \$6,060.35 |
| February | \$3,600,670.19 | \$5,298,065.63 | \$5,298,065.63 | 1.55% | \$6,843.33 | \$3,232.11 | \$3,611.23 |
| March | \$1,384,721.84 | \$2,492,696.01 | \$2,492,696.01 | 1.55% | \$3,219.73 | \$1,520.68 | \$1,699.05 |
| April | \$3,736,125.20 | \$2,560,423.52 | \$2,560,423.52 | 1.55% | \$3,307.21 | \$1,562.00 | \$1,745.22 |
| May | \$6,048,965.75 | \$4,892,545.48 | \$4,892,545.48 | 1.55% | \$6,319.54 | \$2,984.72 | \$3,334.82 |
| June | \$8,281,024.03 | \$7,164,994.89 | \$7,164,994.89 | 1.55% | \$9,254.79 | \$4,371.03 | \$4,883.75 |
| July | \$10,495,523.84 | \$9,388,273.93 | \$9,388,273.93 | 1.55% | \$12,126.52 | \$5,727.36 | \$6,399.16 |
| August | \$12,336,256.67 | \$11,415,890.25 | \$11,415,890.25 | 1.55% | \$14,745.52 | \$6,964.31 | \$7,781.21 |
| September | \$14,258,183.80 | \$13,297,220.23 | \$13,297,220.23 | 1.55% | \$17,175.58 | \$8,112.02 | \$9,063.55 |
| October | \$16,209,334.85 | \$15,233,759.32 | \$15,233,759.32 | 1.55% | \$19,676.94 | \$9,293.42 | \$10,383.52 |
| November | \$16,001,676.03 | \$16,105,505.44 | \$16,105,505.44 | 1.54% | \$20,668.73 | \$9,852.78 | \$10,815.95 |
| December | \$15,009,665.55 | \$15,505,670.79 | \$15,505,670.79 | 1.56% | \$20,157.37 | \$9,609.02 | \$10,548.35 |
| January 2015 | \$10,398,644.45 | \$12,704,155.00 | \$12,704,155.00 | 1.56% | \$16,515.40 | \$7,872.89 | \$8,642.51 |
| February | \$5,906,333.53 | \$8,152,488.99 | \$8,152,488.99 | 1.57% | \$10,666.17 | \$5,084.56 | \$5,581.61 |
| March | \$3,816,219.24 | \$4,861,276.38 | \$4,861,276.38 | 1.57% | \$6,360.17 | \$3,031.89 | \$3,328.28 |
| April | \$4,853,845.91 | \$4,335,032.58 | \$4,335,032.58 | 1.58% | \$5,707.79 | \$2,720.90 | \$2,986.89 |
| May | \$5,845,033.55 | \$5,349,439.73 | \$5,349,439.73 | 1.58% | \$7,043.43 | \$3,357.60 | \$3,685.83 |
| June | \$6,981,986.40 | \$6,413,509.97 | \$6,413,509.97 | 1.58% | \$8,444.45 | \$4,025.47 | \$4,418.98 |
| July | \$8,083,382.82 | \$7,532,684.61 | \$7,532,684.61 | 1.58% | \$9,918.03 | \$4,727.93 | \$5,190.11 |
| August | \$9,191,271.89 | \$8,637,327.36 | \$8,637,327.36 | 1.58% | \$11,372.48 | \$5,421.26 | \$5,951.22 |
| September | \$10,272,808.68 | \$9,732,040.28 | \$9,732,040.28 | 1.48% | \$12,002.85 | \$5,721.76 | \$6,281.09 |
| October | \$11,382,175.37 | \$10,827,492.03 | \$10,827,492.03 | 1.46% | \$13,173.45 | \$6,279.78 | \$6,893.67 |
| November | \$11,243,809.57 | \$11,312,992.47 | \$11,312,992.47 | 1.48% | \$13,952.69 | \$6,651.25 | \$7,301.44 |

Inventory
ACCT #

| | | <u>MMBTU</u> | <u>AMOUNT</u> |
|------------|--|--------------|-----------------|
| | LNG | | |
| 515152 | Inventory - Liquefied Natural Gas NATURAL GAS | 10,221 | \$110,957.72 |
| 515114&115 | Natural Gas Underground - SS-1 and FSS-1 | | |
| 515116 | Natural Gas Underground - SSNE | 211,377 | \$345,380.21 |
| 515113 | Natural Gas Underground - MCN | 3,367,529 | \$10,787,471.64 |
| 516525 | Washington 10 prepaid | - | |

Total Inventory

\$11,243,809.57