# Sample Schedule 3

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

| | | | Winter | | | | | | Summer | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Sales Revenues** | | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) |
| 1 | Volumes | Oct-16 | Nov-16 | Dec-16 | Jan-17 | Feb-17 | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 |
| 2 | Residential Heat & Non Heat | | 1,921,947 | 2,831,438 | 3,574,582 | 2,988,250 | 2,303,570 | 1,357,510 | 711,597 | 473,945 | 430,469 | 447,488 | 489,892 | 917,233 |
| 3 | Sales HLF Classes | | 415,742 | 612,477 | 773,229 | 646,397 | 498,292 | 293,647 | 713,054 | 474,916 | 431,351 | 448,404 | 490,895 | 919,111 |
| 4 | Sales LLF Classes | | 1,934,746 | 2,850,295 | 3,598,389 | 3,008,152 | 2,318,911 | 1,366,551 | 613,438 | 408,568 | 371,089 | 385,760 | 422,315 | 790,708 |
| 5 | Total | | 4,272,435 | 6,294,210 | 7,946,200 | 6,642,799 | 5,120,773 | 3,017,709 | 2,038,088 | 1,357,429 | 1,232,909 | 1,281,652 | 1,403,103 | 2,627,052 |
| 6 | Rates | | | | | | | | | | | | | |
| 7 | Residential Heat & Non Heat CGA | | $0.6687 | $0.6687 | $0.6687 | $0.6687 | $0.6687 | $0.6687 | $0.3062 | $0.3062 | $0.3062 | $0.3062 | $0.3062 | $0.3062 |
| 8 | Sales HLF Classes CGA | | $0.6572 | $0.6572 | $0.6572 | $0.6572 | $0.6572 | $0.6572 | $0.2770 | $0.2770 | $0.2770 | $0.2770 | $0.2770 | $0.2770 |
| 9 | Sales LLF Classes CGA | | $0.6734 | $0.6734 | $0.6734 | $0.6734 | $0.6734 | $0.6721 | $0.3402 | $0.3402 | $0.3402 | $0.3402 | $0.3402 | $0.3402 |
| 10 | Revenues | | | | | | | | | | | | | |
| 11 | Residential Heat & Non Heat | | $ (1,285,206) | $ (1,893,383) | $ (2,390,323) | $ (1,998,243) | $ (1,540,397) | $ (907,767) | $ (217,891) | $ (145,122) | $ (131,810) | $ (137,021) | $ (150,005) | $ (280,857) |
| 12 | Sales HLF Classes | | $ (273,226) | $ (402,520) | $ (508,166) | $ (424,812) | $ (327,478) | $ (192,985) | $ (197,516) | $ (131,552) | $ (119,484) | $ (124,208) | $ (135,978) | $ (254,594) |
| 13 | Sales LLF Classes | | $ (1,302,858) | $ (1,919,389) | $ (2,423,155) | $ (2,025,689) | $ (1,561,555) | $ (918,459) | $ (208,691) | $ (138,995) | $ (126,245) | $ (131,236) | $ (143,672) | $ (268,999) |
| 14 | Total Sales | | $ (2,861,290) | $ (4,215,291) | $ (5,321,644) | $ (4,448,745) | $ (3,429,429) | $ (2,019,211) | $ (624,098) | $ (415,669) | $ (377,538) | $ (392,464) | $ (429,655) | $ (804,449) |
| 15 | | | | | | | | | | | | | | |
| 16 | | | Winter | | | | | | Summer | | | | | |
| 17 | **Gas Costs and Credits** | | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) |
| 18 | | Oct-16 | Nov-16 | Dec-16 | Jan-17 | Feb-17 | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 |
| 19 | Net Demand Costs (Net of Cap. Assign.) | | | | | | | | | | | | | |
| 20 | Pipeline | | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 261,822 | $ 264,245 | $ 264,245 | $ 264,245 |
| 21 | Storage | | $ 1,137,359 | $ 1,137,359 | $ 1,137,359 | $ 1,137,359 | $ 1,137,359 | $ 527,547 | $ 527,547 | $ 527,547 | $ 527,547 | $ 529,801 | $ 529,801 | $ 529,801 |
| 22 | Peaking | | $ 366,380 | $ 366,380 | $ 366,380 | $ 366,380 | $ 366,380 | $ 60,039 | $ 15,352 | $ 15,352 | $ 15,352 | $ 16,016 | $ 16,016 | $ 16,016 |
| 23 | Total Demand Costs | | $ 1,765,561 | $ 1,765,561 | $ 1,765,561 | $ 1,765,561 | $ 1,765,561 | $ 849,409 | $ 804,721 | $ 804,721 | $ 804,721 | $ 810,062 | $ 810,062 | $ 810,062 |
| 24 | Asset Management and Capacity Release | | | | | | | | | | | | | |
| 25 | NUI AMA Revenue | | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) | ($797,083) |
| 26 | NH Capacity Release | | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) | $ (5,416) |
| 27 | NUI AMA Rev & Cap. Release Subtotal | | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) | $ (802,499) |
| 28 | NH AMA Revenue | | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) | $ (281,198) |
| 29 | NH Capacity Release | | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) | $ (2,278) |
| 30 | NH Total Asset Management and Capacity Release | | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) | $ (283,477) |
| 31 | | | | | | | | | | | | | | |
| 32 | PNGTS Refund | | $ (813,393.06) | $ (813,393.06) | $ (813,393.06) | $ (813,393.06) | $ (813,393.06) | $ (813,393.06) | $ (48,993.74) | $ (48,993.74) | $ (48,993.74) | $ (48,993.74) | $ (48,993.74) | $ (48,993.74) |
| 33 | | | | | | | | | | | | | | |
| 34 | Net Demand Costs | | $ 668,691 | $ 668,691 | $ 668,691 | $ 668,691 | $ 668,691 | $ (247,461) | $ 472,251 | $ 472,251 | $ 472,251 | $ 477,592 | $ 477,592 | $ 477,592 |
| 35 | | | | | | | | | | | | | | |
| 36 | NUI Commodity Costs | | | | | | | | | | | | | |
| 37 | NUI Total Pipeline Volumes | | 1,050,509 | 1,219,835 | 1,156,065 | 1,070,794 | 1,067,603 | 777,347 | 521,843 | 331,246 | 299,589 | 302,138 | 347,502 | 673,103 |
| 38 | Pipeline Costs Modeled in Sendout™ | | $ 5,747,172 | $ 7,114,402 | $ 7,483,015 | $ 6,950,003 | $ 6,280,082 | $ 2,336,835 | $ 1,351,420 | $ 784,873 | $ 686,046 | $ 678,929 | $ 812,374 | $ 1,841,794 |
| 39 | NYMEX Price Used for Forecast | | $ 2.7410 | $ 2.8970 | $ 3.0070 | $ 3.0100 | $ 2.9770 | $ 2.8430 | $ 2.8430 | $ 2.8750 | $ 2.9140 | $ 2.9240 | $ 2.9220 | $ 2.9460 |
| 40 | NYMEX Price Used for Update | | $ 2.7410 | $ 2.8970 | $ 3.0070 | $ 3.0100 | $ 2.9770 | $ 2.8430 | $ 2.8430 | $ 2.8750 | $ 2.9140 | $ 2.9240 | $ 2.9220 | $ 2.9460 |
| 41 | Increase/(Decrease) NYMEX Price | | | | | | | | | | | | | |
| 42 | Increase/(Decrease) in Pipeline Costs | | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 43 | Updated Pipeline Costs | | $ 5,747,172 | $ 7,114,402 | $ 7,483,015 | $ 6,950,003 | $ 6,280,082 | $ 2,336,835 | $ 1,351,420 | $ 784,873 | $ 686,046 | $ 678,929 | $ 812,374 | $ 1,841,794 |
| 44 | New Hampshire Allocated Percentage | | 40.57% | 40.66% | 40.24% | 40.49% | 40.21% | 39.11% | 39.29% | 41.14% | 41.28% | 42.55% | 40.55% | 39.30% |
| 45 | NH Updated Pipeline Costs | | $ 2,331,757 | $ 2,892,508 | $ 3,011,169 | $ 2,814,325 | $ 2,524,916 | $ 913,947 | $ 530,997 | $ 322,921 | $ 283,204 | $ 288,906 | $ 329,414 | $ 723,826 |
| 46 | Hedging (Gain)/Loss Estimate | | | | | | | | | | | | | |
| 47 | NYMEX Options Contracts | | | | | | | | | | | | | |
| 48 | Number of Contracts | | 27 | 42 | 52 | 41 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | Option Contract Price | | $ 0.105 | $ 0.108 | $ 0.110 | $ 0.103 | $ 0.105 | $ 0.105 | $ - | $ - | $ - | $ - | $ - | $ - |
| 50 | Hedging Expenses | | $ 28,350.000 | $ 45,360.000 | $ 57,200.000 | $ 42,230.000 | $ 34,650.000 | $ 34,650.000 | $ 2.8430 | $ 2.8750 | $ 2.9140 | $ 2.9240 | $ 2.9220 | $ 2.9460 |
| 51 | NYMEX Option Strike Price | | $ 5.700 | $ 6.000 | $ 6.500 | $ 6.250 | $ 6.500 | $ 6.500 | $ 2.8430 | $ 2.8750 | $ 2.9140 | $ 2.9240 | $ 2.9220 | $ 2.9460 |
| 52 | NYMEX Price Used for Forecast | | $ 2.465 | $ 2.735 | $ 2.868 | $ 2.860 | $ 2.822 | $ 2.822 | - | - | - | - | - | - |
| 53 | Strike Price Hit | | No | No | No | No | No | No | $ - | $ - | $ - | $ - | $ - | $ - |
| 54 | Option Hedging Gain (Credit) | | $ - | $ - | $ - | $ - | $ - | $ - | 39.29% | 41.14% | 41.28% | 42.55% | 40.55% | 39.30% |
| 55 | NH Futures Hedging Net Cost | | $ 11,502.23 | $ 18,442.05 | $ 23,017.31 | $ 17,100.56 | $ 13,931.08 | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 56 | NH Commodity Costs | | | | | | | | | | | | | |
| 57 | Pipeline Excl Hedging | | $ 2,331,757 | $ 2,892,508 | $ 3,011,169 | $ 2,814,325 | $ 2,524,916 | $ 913,947 | $ 530,997 | $ 322,921 | $ 283,204 | $ 288,906 | $ 329,414 | $ 723,826 |
| 58 | Hedging (Gain)/Loss Estimate | | $ 11,502 | $ 18,442 | $ 23,017 | $ 17,101 | $ 13,931 | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 59 | Storage | | $ 14,879 | $ 459,389 | $ 763,736 | $ 736,404 | $ 227,807 | $ - | $ - | $ - | $ - | $ - | $ - | $ - |
| 60 | Peaking | | $ 9,076 | $ 9,240 | $ 1,027,825 | $ (170,823) | $ 41,981 | $ 9,688 | $ 9,905 | $ 9,915 | $ 10,175 | $ 10,444 | $ 9,515 | $ 9,474 |
| 61 | Total Commodity Costs | | $ 2,367,214 | $ 3,379,579 | $ 4,825,748 | $ 3,397,007 | $ 2,808,635 | $ 923,635 | $ 540,901 | $ 332,835 | $ 293,379 | $ 299,350 | $ 338,929 | $ 733,301 |
| 62 | Inventory Finance Charge | | $ 415 | $ 671 | $ 888 | $ 731 | $ 520 | $ 257 | | | | | | |
| 63 | | | | | | | | | | | | | | |
| 64 | **Total Anticipated Direct Cost of Gas** | | $ 3,036,320 | $ 4,048,941 | $ 5,495,327 | $ 4,066,429 | $ 3,477,846 | $ 676,431 | $ 1,013,152 | $ 805,086 | $ 765,630 | $ 776,941 | $ 816,520 | $ 1,210,892 |

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

| Line | | Winter | Summer | Total |
|---|---|---|---|---|
| | **Sales Revenues** | | | |
| 1 | Volumes | Winter | Summer | Total |
| 2 | Residential Heat & Non Heat | 14,977,297 | 3,470,624 | 18,447,921 |
| 3 | Sales HLF Classes | 3,239,784 | 3,477,731 | 6,717,516 |
| 4 | Sales LLF Classes | 15,077,044 | 2,991,879 | 18,068,923 |
| 5 | Total | 33,294,125 | 9,940,234 | 43,234,360 |
| 6 | Rates | | | |
| 7 | Residential Heat & Non Heat CGA | | | |
| 8 | Sales HLF Classes CGA | | | |
| 9 | Sales LLF Classes CGA | | | |
| 10 | Revenues | | | |
| 11 | Residential Heat & Non Heat | $ (10,015,319) | $ (1,062,705) | $ (11,078,024) |
| 12 | Sales HLF Classes | $ (2,129,186) | $ (963,332) | $ (3,092,518) |
| 13 | Sales LLF Classes | $ (10,151,105) | $ (1,017,837) | $ (11,168,942) |
| 14 | Total Sales | $ (22,295,610) | $ (3,043,874) | $ (25,339,484) |
| 15 | | | | |
| 16 | | | | |
| 17 | **Gas Costs and Credits** | | | |
| 18 | | Winter | Summer | Total |
| 19 | Net Demand Costs (Net of Cap. Assign.) | - | - | - |
| 20 | Pipeline | 1,570,931 | 1,578,200 | 3,149,130 |
| 21 | Storage | 6,214,344 | 3,172,047 | 9,386,391 |
| 22 | Peaking | 1,891,938 | 94,102 | 1,986,040 |
| 23 | Total Demand Costs | $ 9,677,212 | $ 4,844,349 | $ 14,521,561 |
| 24 | Asset Management and Capacity Release | | | |
| 25 | NUI AMA Revenue | (4,782,500) | (4,782,500) | (9,565,000) |
| 26 | NH Capacity Release | (32,493) | (32,493) | (64,987) |
| 27 | NUI AMA Rev & Cap. Release Subtotal | (4,814,993) | (4,814,993) | (9,629,987) |
| 28 | NH AMA Revenue | (1,687,191) | (1,687,191) | (3,374,382) |
| 29 | NH Capacity Release | $ (13,669) | (13,669) | (27,338) |
| 30 | NH Total Asset Management and Capacity Release | $ (1,700,860) | (1,700,860) | (3,401,720) |
| 31 | | | | |
| 32 | PNGTS Refund | $ (4,880,358) | $ (293,962) | $ (5,174,321) |
| 33 | | | | |
| 34 | Net Demand Costs | $ 3,095,994 | $ 2,849,526 | $ 5,945,521 |
| 35 | | | | |
| 36 | NUI Commodity Costs | | | |
| 37 | NUI Total Pipeline Volumes | 6,342,153 | 2,475,421 | 8,817,574 |
| 38 | Pipeline Costs Modeled in Sendout™ | $35,911,509 | $6,155,436 | $42,066,945 |
| 39 | NYMEX Price Used for Forecast | | | |
| 40 | NYMEX Price Used for Update | | | |
| 41 | Increase/(Decrease) NYMEX Price | | | |
| 42 | Increase/(Decrease) in Pipeline Costs | | | |
| 43 | Updated Pipeline Costs | | | |
| 44 | New Hampshire Allocated Percentage | | | |
| 45 | NH Updated Pipeline Costs | $ 16,967,890 | $ 2,479,267 | $ 19,447,157 |
| 46 | Hedging (Gain)/Loss Estimate | | | |
| 47 | NYMEX Options Contracts | | | |
| 48 | Number of Contracts | | | |
| 49 | Option Contract Price | | | |
| 50 | Hedging Expenses | | | |
| 51 | NYMEX Option Strike Price | | | |
| 52 | NYMEX Price Used for Forecast | | | |
| 53 | Strike Price Hit | $ - | | |
| 54 | Option Hedging Gain (Credit) | | | |
| 55 | NH Futures Hedging Net Cost | $ 83,993 | $0 | $83,993 |
| 56 | NH Commodity Costs | | | |
| 57 | Pipeline Excl Hedging | $ 16,967,890 | $ 2,479,267 | $ 19,447,157 |
| 58 | Hedging (Gain)/Loss Estimate | $ 83,993 | $ - | $ 83,993 |
| 59 | Storage | $ 2,202,214 | $ - | $ 2,202,214 |
| 60 | Peaking | $ 986,414 | $ 59,427 | $ 1,045,842 |
| 61 | Total Commodity Costs | $ 17,701,817 | $ 2,538,695 | $ 20,240,512 |
| 62 | Inventory Finance Charge | $ 3,483 | $ - | $ 3,483 |
| 63 | | | | |
| 64 | **Total Anticipated Direct Cost of Gas** | $ 20,801,294 | $ 5,388,221 | $ 26,189,515 |

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

| | | | Winter | | | | | | Summer | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65 | | | | | | | | | | | | | | |
| 66 | | | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) | (Forecast) |
| 67 | | Oct-16 | Nov-16 | Dec-16 | Jan-17 | Feb-17 | Mar-17 | Apr-17 | May-17 | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 |
| 68 | Working Capital | | | | | | | | | | | | | |
| 69 | Total Anticipated Direct Cost of Gas | | $ 3,036,320 | $ 4,048,941 | $ 5,495,327 | $ 4,066,429 | $ 3,477,846 | $ 676,431 | $ 1,013,152 | $ 805,086 | $ 765,630 | $ 776,941 | $ 816,520 | $ 1,210,892 |
| 70 | Working Capital Percentage | | 0.0824% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% | 0.08% |
| 71 | Working Capital Allowance | | $ 2,501 | $ 3,335 | $ 4,526 | $ 3,349 | $ 2,864 | $ 557 | $ 834 | $ 663 | $ 631 | $ 640 | $ 673 | $ 997 |
| 72 | Beginning Period Working Capital Balance | | $ (3,973) | $ (1,480) | $ 1,856 | $ 6,393 | $ 9,764 | $ 12,659 | $ 13,251 | $ 14,123 | $ 14,825 | $ 15,496 | $ 16,179 | $ 16,896 |
| 73 | End of Period Working Capital Allowance | | $ (1,472) | $ 1,855 | $ 6,382 | $ 9,742 | $ 12,629 | $ 13,216 | $ 14,086 | $ 14,786 | $ 15,455 | $ 16,136 | $ 16,852 | $ 17,894 |
| 74 | Interest | | $ (7) | $ 1 | $ 11 | $ 22 | $ 30 | $ 35 | $ 37 | $ 39 | $ 41 | $ 43 | $ 45 | $ 47 |
| 75 | End of period with Interest | $ (3,973) | $ (1,480) | $ 1,856 | $ 6,393 | $ 9,764 | $ 12,659 | $ 13,251 | $ 14,123 | $ 14,825 | $ 15,496 | $ 16,179 | $ 16,896 | $ 17,941 |
| 76 | Bad Debt | | | | | | | | | | | | | |
| 77 | Projected Bad Debt | | $ 33,750 | $ - | $ - | $ - | $ - | $ 33,750 | $ 33,750 | $ 33,750 | $ 33,750 | $ 33,750 | $ 33,750 | $ 33,750 |
| 78 | Beginning Period Bad Debt Balance | | $ (74,977) | $ (41,384) | $ (41,496) | $ (41,609) | $ (41,722) | $ (41,835) | $ (8,152) | $ 25,622 | $ 59,487 | $ 93,443 | $ 127,492 | $ 161,633 |
| 79 | End of Period Bad Debt Balance | | *$ (41,227)* | *$ (41,384)* | *$ (41,496)* | *$ (41,609)* | *$ (41,722)* | *$ (8,085)* | *$ 25,598* | *$ 59,372* | *$ 93,237* | *$ 127,193* | *$ 161,242* | *$ 195,383* |
| 80 | Interest | | $ (157) | $ (112) | $ (112) | $ (113) | $ (113) | $ (68) | $ 24 | $ 115 | $ 207 | $ 299 | $ 391 | $ 483 |
| 81 | End of Period Bad Debt Balance with Interest | $ (74,977) | $ (41,384) | $ (41,496) | $ (41,609) | $ (41,722) | $ (41,835) | $ (8,152) | $ 25,622 | $ 59,487 | $ 93,443 | $ 127,492 | $ 161,633 | $ 195,867 |
| 82 | Local Production and Storage Capacity | | $ 70,110 | $ 70,110 | $ 70,110 | $ 70,110 | $ 70,110 | $ 70,110 | $ - | $ - | $ - | $ - | $ - | $ - |
| 83 | | | $ - | $ - | $ - | | | | | | | | | |
| 84 | Miscellaneous Overhead | | $ 65,800 | $ 65,800 | $ 65,800 | $ 65,800 | $ 65,800 | $ 65,800 | $ 19,645 | $ 19,645 | $ 19,645 | $ 19,645 | $ 19,645 | $ 19,645 |
| 85 | | | | | | | | | | | | | | |
| 86 | Gas Cost Other than Bad Debt and Working Capital Over/Under Collection | | | | | | | | | | | | | |
| 87 | Beginning Balance Over/Under Collection | | $ (1,978,326) | $ (1,672,323) | $ (1,707,335) | $ (1,401,947) | $ (1,652,484) | $ (1,472,384) | $ (2,684,877) | $ (2,282,896) | $ (1,879,463) | $ (1,476,265) | $ (1,075,594) | $ (671,446) |
| 88 | Net Costs - Revenues | | $ 310,940 | $ (30,441) | $ 309,592 | $ (246,407) | $ 184,326 | $ (1,206,871) | $ 408,699 | $ 409,062 | $ 407,736 | $ 404,122 | $ 406,510 | $ 426,088 |
| 89 | Ending Balance before Interest | | $ (1,667,386) | $ (1,702,764) | $ (1,397,742) | $ (1,648,354) | $ (1,468,158) | $ (2,679,255) | $ (2,276,178) | $ (1,873,834) | $ (1,471,727) | $ (1,072,143) | $ (669,083) | $ (245,358) |
| 90 | Average Balance | | $ (1,822,856) | $ (1,687,544) | $ (1,552,538) | $ (1,525,150) | $ (1,560,321) | $ (2,075,819) | $ (2,480,527) | $ (2,078,365) | $ (1,675,595) | $ (1,274,204) | $ (872,338) | $ (458,402) |
| 91 | 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% |
| 92 | Interest Expense | | $ (4,937) | $ (4,570) | $ (4,205) | $ (4,131) | $ (4,226) | $ (5,622) | $ (6,718) | $ (5,629) | $ (4,538) | $ (3,451) | $ (2,363) | $ (1,242) |
| 93 | Ending Balance Incl Interest Expense | $ (1,978,326) | $ (1,672,323) | $ (1,707,335) | $ (1,401,947) | $ (1,652,484) | $ (1,472,384) | $ (2,684,877) | $ (2,282,896) | $ (1,879,463) | $ (1,476,265) | $ (1,075,594) | $ (671,446) | $ (246,599) |
| 94 | **Total Over/Under Collection Ending Balance** | $ (2,057,276) | $ (1,715,187) | $ (1,746,975) | $ (1,437,163) | $ (1,684,442) | $ (1,501,559) | **$ (2,679,778)** | $ (2,243,152) | $ (1,805,152) | $ (1,367,325) | $ (931,922) | $ (492,916) | $ (32,792) |
| 95 | | | | | | | | | | | | | | |
| 96 | **Total Indirect Cost of Gas*** | | $ 167,058 | $ 134,562 | $ 136,129 | $ 135,037 | $ 134,465 | $ 164,562 | $ 47,572 | $ 48,583 | $ 49,735 | $ 50,926 | $ 52,141 | $ 53,681 |
| 97 | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | |
| 99 | **Total Cost of Gas** | $ - | $ 3,203,378 | $ 4,183,503 | $ 5,631,456 | $ 4,201,466 | $ 3,612,312 | $ 840,993 | $ 1,060,724 | $ 853,669 | $ 815,365 | $ 827,867 | $ 868,661 | $ 1,264,574 |
| 100 | | | | | | | | | | | | | | |
| 101 | **Total Interest** | $ - | $ (5,102) | $ (4,682) | $ (4,306) | $ (4,221) | $ (4,309) | $ (5,655) | $ (6,657) | $ (5,475) | $ (4,290) | $ (3,109) | $ (1,927) | $ (711) |

102 *: Includes Over/Under Collection in Seasonal Totals

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

| | Winter | Summer | Total |
|---|---|---|---|
| Working Capital | | | |
| Total Anticipated Direct Cost of Gas | | | |
| Working Capital Percentage | | | |
| Working Capital Allowance | $ 17,133 | $ 4,438 | $ 21,570 |
| Beginning Period Working Capital Balance | | | |
| End of Period Working Capital Allowance | | | |
| Interest | $ 92 | $ 252 | $ 343 |
| End of period with Interest | | | |
| Bad Debt | | | |
| Projected Bad Debt | $ 67,500 | $ 202,500 | $ 270,000 |
| Beginning Period Bad Debt Balance | | | |
| End of Period Bad Debt Balance | | | |
| Interest | | | |
| End of Period Bad Debt Balance with Interest | | | |
| Local Production and Storage Capacity | $ 420,658 | $ - | $ 420,658 |
| | $ - | | |
| Miscellaneous Overhead | $ 394,798 | $ 117,870 | $ 512,668 |
| Gas Cost Other than Bad Debt and Working Capital Ov | | | |
| Beginning Balance Over/Under Collection | | | |
| Net Costs - Revenues | | | |
| Ending Balance before Interest | | | |
| Average Balance | | | |
| Interest Rate | | | |
| Interest Expense | | | |
| Ending Balance Incl Interest Expense | | | |
| **Total Over/Under Collection Ending Balance** | $ (1,645,821) | $ (411,455) | $ (2,057,276) |
| **Total Indirect Cost of Gas*** | $ (774,007) | $ (108,817) | $ (882,823) |
| **Total Cost of Gas** | $ 20,027,287 | $ 5,279,405 | $ 25,306,692 |
| **Total Interest** | $ (28,274) | $ (22,170) | $ (50,444) |

*: Includes Over/Under Collection in Seasonal Totals