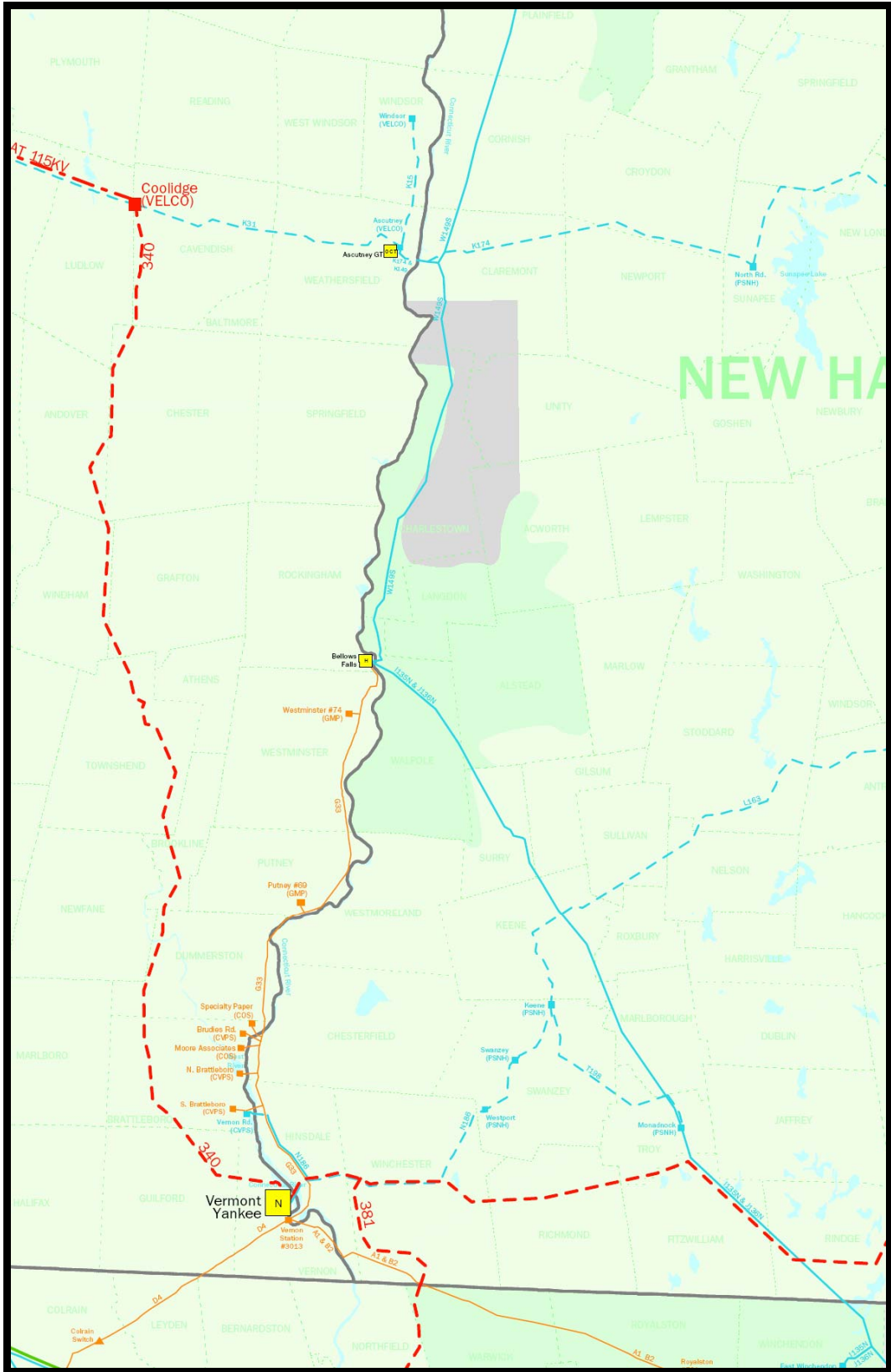
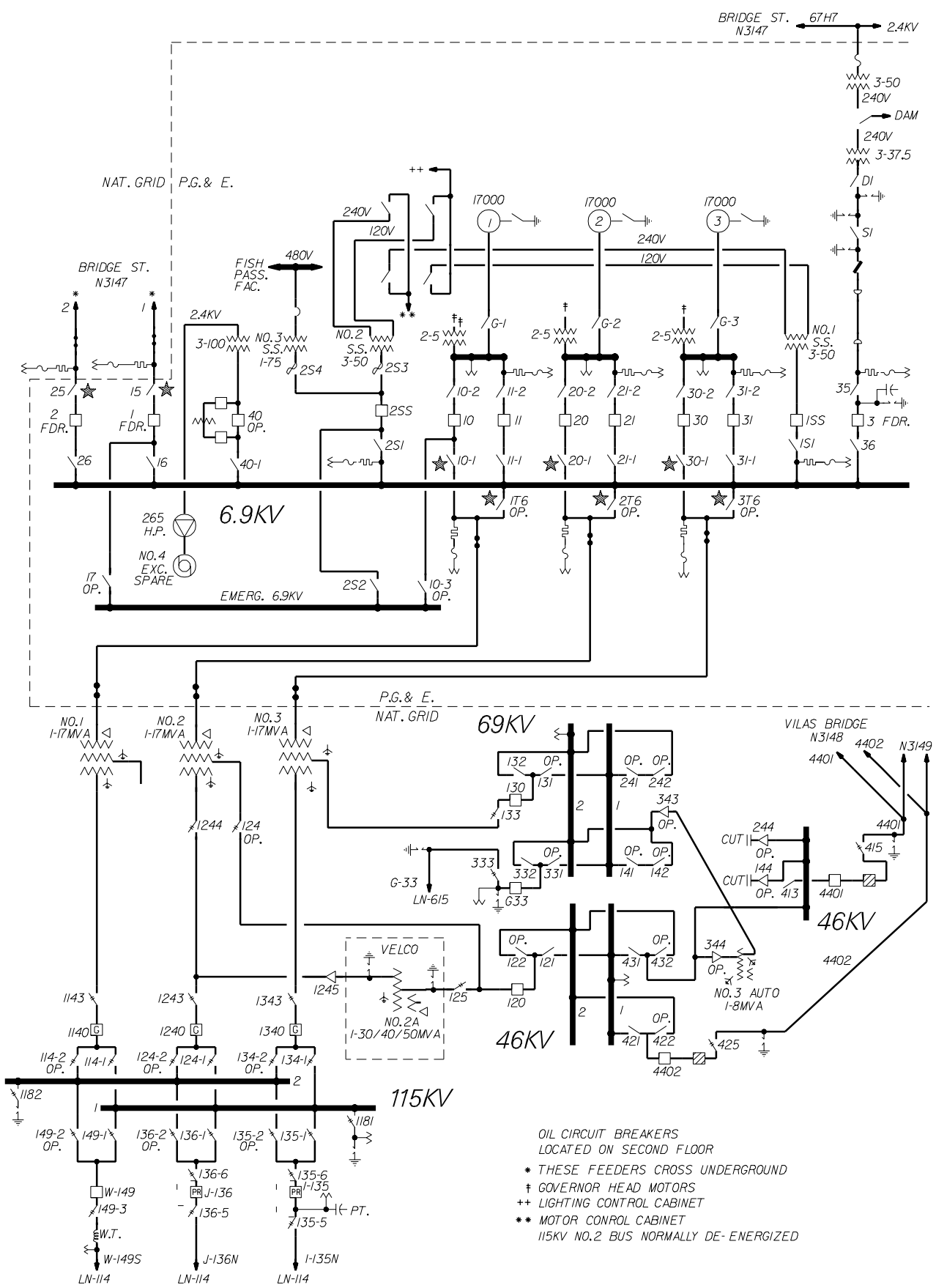


Attachment 1 Geographic Map for Bellows Falls Station



Attachment 2 Bellows Falls Station Present One-line Diagram

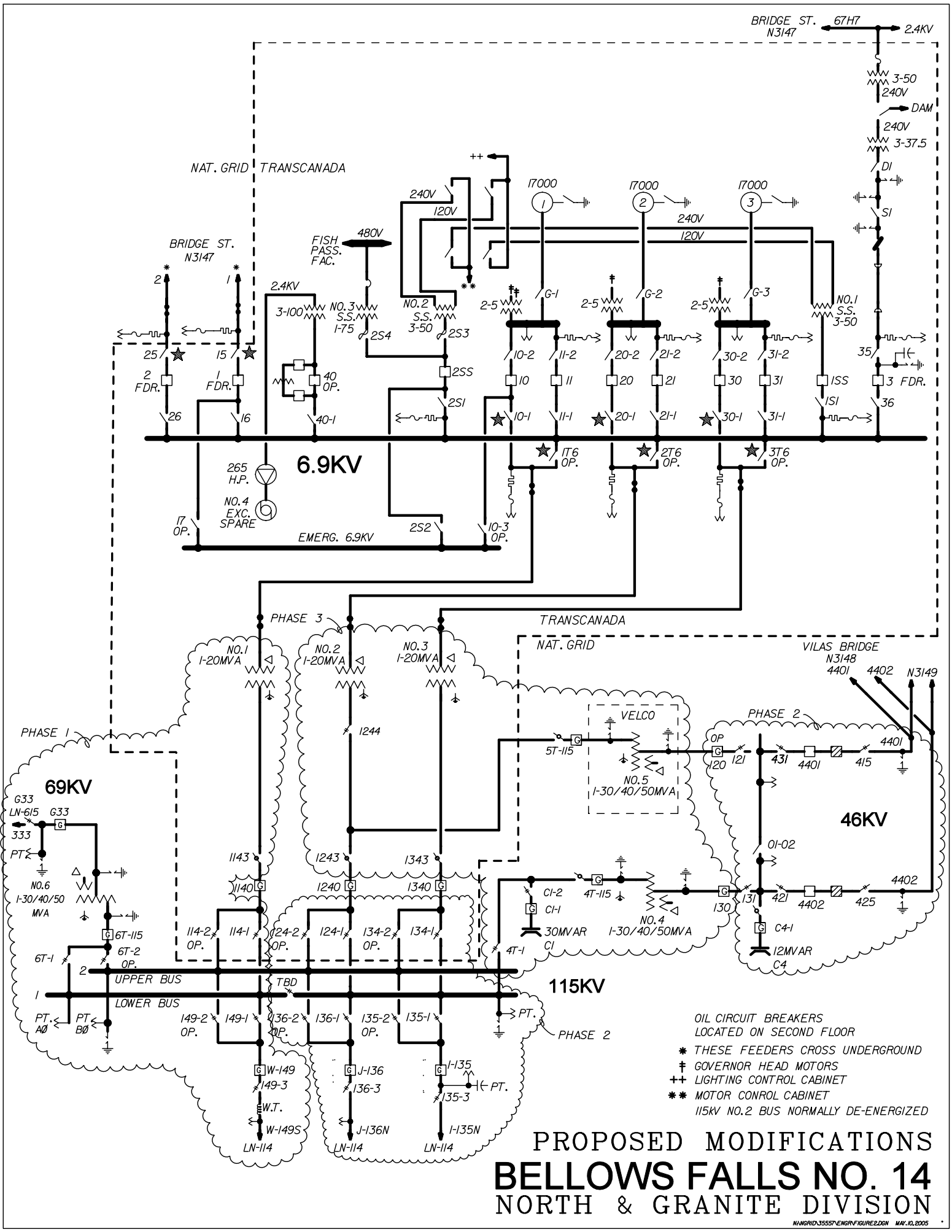


BELLOWS FALLS NO. 14

NORTH & GRANITE DIVISION

N3145

Attachment 3 Bellows Falls Station Future One-line Diagram



BRIDGE ST. N3147 67H7 2.4KV

NAT. GRID TRANSCANADA

BRIDGE ST. N3147

FISH PASS. FAC.

6.9KV

TRANSCANADA

NAT. GRID

VILAS BRIDGE N3148

69KV

46KV

115KV

OIL CIRCUIT BREAKERS LOCATED ON SECOND FLOOR

- * THESE FEEDERS CROSS UNDERGROUND
- † GOVERNOR HEAD MOTORS
- ++ LIGHTING CONTROL CABINET
- ** MOTOR CONTROL CABINET
- 115KV NO.2 BUS NORMALLY DE-ENERGIZED

PROPOSED MODIFICATIONS BELLOWS FALLS NO. 14 NORTH & GRANITE DIVISION

Attachment 4 Case Summaries

2005 FERC 715 LIBRARY SUMMER PEAK 2008;
East-West Transfer

GENERATION

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~~~VT/MA~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX | | | |
|-------|----------|-------|-----|------|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|
| 70705 | VTYAK G | 0.967 | 667 | 150* | 73072 | ALT12 PF | 1.029 | 65 | 18* | 73073 | ALT34 PF | 1.028 | 80 | 18 |
| 72986 | BERKPWR | 1.039 | 280 | 55 | 73069 | MAPR1 PF | 1.026 | 56 | 28 | 73070 | MAPR2 PF | 1.025 | 76 | 28 |
| 73071 | MAPR3 PF | 1.017 | 70 | 28 | 73085 | MT.TOM | 1.004 | 146 | 16 | 72512 | BRSWP G1 | 1.016 | 280 | 70 |
| 72513 | BRSWP G2 | 1.016 | 280 | 70 | 73083 | NRTHFD12 | 0.000 | 0 | 0 | 73084 | NRTHFD34 | 1.008 | 500 | 160* |
| 72930 | STNYBK1A | 1.041 | 65 | 13 | 72931 | STNYBK1B | 1.041 | 65 | 13 | 72932 | STNYBK1C | 1.041 | 65 | 13 |
| 72933 | STNYBK 1 | 1.041 | 87 | 14 | 72934 | STNYBK2A | 1.041 | 65 | 13 | 72935 | STNYBK2B | 1.041 | 65 | 13 |
| 73080 | WSPFLD 3 | 0.986 | 107 | -7 | 72244 | MILLENST | 0.000 | 0 | 0 | 72243 | MILLENCT | 1.010 | 273 | 53 |

~~~CT~~~

| #     | V        | MW    | MX  | #    | V     | MW       | MX    | #    | V   | MW    | MX       |       |     |      |
|-------|----------|-------|-----|------|-------|----------|-------|------|-----|-------|----------|-------|-----|------|
| 73562 | MILL#2   | 1.006 | 940 | 258  | 73563 | MILL#3   | 1.007 | 1260 | 342 | 73558 | MONTV#5  | 0.973 | 81  | 0    |
| 73559 | MONTV#6  | 0.977 | 402 | -60  | 73555 | MIDDTN#2 | 0.000 | 0    | 0   | 73556 | MIDDTN#3 | 0.000 | 0   | 0    |
| 73557 | MIDDTN#4 | 0.000 | 0   | 0    | 73565 | LAKERD#1 | 0.000 | 0    | 0   | 73566 | LAKERD#2 | 0.000 | 0   | 0    |
| 73567 | LAKERD#3 | 1.052 | 310 | 174* | 73549 | SMD1112J | 0.000 | 0    | 0   | 73550 | SMD1314J | 1.041 | 72  | 4*   |
| 73594 | WALL LV1 | 1.017 | 90  | 11   | 73595 | WALL LV2 | 1.017 | 90   | 11  | 73596 | WALL LV3 | 0.000 | 0   | 0    |
| 73501 | KLEENG1  | 0.000 | 0   | 0    | 73502 | KLEENG2  | 0.000 | 0    | 0   | 73503 | KLEEN ST | 1.023 | 318 | 155* |
| 73588 | MERIDEN1 | 1.046 | 172 | 81   | 73589 | MERIDEN2 | 1.046 | 172  | 81  | 73590 | MERIDEN3 | 1.045 | 196 | 81   |
| 73538 | AESTH PF | 0.000 | 0   | 0    | 73652 | BE 11    | 0.987 | 170  | 21  | 73653 | BE 12    | 0.987 | 170 | 21   |
| 73654 | BE 10 ST | 0.985 | 180 | 21   | 73647 | BPTHBR#2 | 0.961 | 170  | 30  | 73648 | BPTHBR#3 | 0.981 | 375 | 74   |
| 73570 | DEVGAS11 | 0.000 | 0   | 0    | 73571 | DEVGAS12 | 0.000 | 0    | 0   | 73572 | DEVGAS13 | 0.000 | 0   | 0    |
| 73573 | DEVGAS14 | 0.000 | 0   | 0    | 73553 | DEVON#7  | 0.000 | 0    | 0   | 73554 | DEVON#8  | 0.000 | 0   | 0    |
| 73574 | MILFD#1  | 1.022 | 305 | 62   | 73575 | MILFD#2  | 1.022 | 305  | 62  | 73651 | NH HARBR | 0.972 | 447 | 43   |
| 73551 | NORHAR#1 | 0.980 | 159 | -3   | 73552 | NORHAR#2 | 0.980 | 168  | -3  |       |          |       |     |      |

~~~ME/NH~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX | | | |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|
| 70060 | MIS GT1 | 1.037 | 166 | 68* | 70061 | MIS GT2 | 1.037 | 166 | 68* | 70062 | MIS ST | 1.031 | 191 | 60* |
| 70377 | AEC G1 | 1.098 | 50 | 28 | 70378 | AEC G2 | 1.099 | 50 | 28 | 70379 | AEC G3 | 1.098 | 50 | 28 |
| 70389 | BUCKS G4 | 1.043 | 174 | 96 | 70426 | CHAMP G2 | 0.953 | 15 | 6* | 70424 | CHAMP G3 | 1.021 | 65 | 32* |
| 70374 | | 0.000 | 0 | 0 | 70375 | | 0.000 | 0 | 0 | 70376 | | 0.000 | 0 | 0 |
| 70425 | MEADCOGN | 1.000 | 93 | 15* | 70381 | RPA CG1 | 1.043 | 179 | 56 | 70382 | RPA SG2 | 1.043 | 93 | 23 |
| 70422 | WARRN G1 | 1.024 | 51 | 15* | 70423 | WARRN G2 | 1.042 | 45 | 11* | 70386 | WBK G1 | 1.043 | 172 | 78 |

| | | | | | | | | | | | | | | |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|------|------|
| 70387 | WBK G2 | 1.043 | 172 | 78 | 70388 | WBK G3 | 1.043 | 187 | 80 | 70365 | WF WY #1 | 1.010 | 50 | 9 |
| 70366 | WF WY #2 | 1.011 | 50 | 9 | 70367 | WF WY #3 | 1.009 | 125 | 18 | 70368 | WF WY #4 | 1.029 | 600 | 171 |
| 71857 | COMRF G1 | 1.009 | 20 | -2 | 71858 | COMRF G2 | 1.008 | 20 | -2 | 71859 | COMRF G3 | 1.008 | 20 | -2 |
| 71860 | COMRF G4 | 1.009 | 20 | -2 | 71861 | MOORE G1 | 1.008 | 20 | -1 | 71862 | MOORE G2 | 1.011 | 20 | -1 |
| 71863 | MOORE G3 | 1.019 | 20 | 8 | 71864 | MOORE G4 | 1.034 | 20 | 8 | 72868 | NWNGT G1 | 1.001 | 215 | 67 |
| 72702 | CONEDG1 | 1.013 | 178 | 67 | 72703 | CONEDG2 | 1.013 | 178 | 67 | 72704 | CONEDG3 | 1.009 | 205 | 67 |
| 71950 | GRANRDG1 | 1.039 | 250 | 25 | 71951 | GRANRDG2 | 1.095 | 250 | 140* | 72701 | AESSTG | 1.035 | 250 | 21 |
| 72866 | MERMK G1 | 1.030 | 112 | 19 | 72867 | MERMK G2 | 1.030 | 320 | 55 | 72869 | SBRK G1 | 1.004 | 1314 | 309* |
| 72870 | SCHILLER | 1.023 | 48 | 25* | 72872 | SCHILLER | 1.023 | 48 | 25* | 72871 | SCHILLER | 1.023 | 50 | 25* |

~~~NEMA~~~

| #     | V        | MW    | MX  | #   | V     | MW       | MX    | #   | V   | MW    | MX       |       |     |    |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|-------|----------|-------|-----|----|
| 71126 | KEND CT  | 0.000 | 0   | 0   | 71067 | MYS8 GTS | 1.020 | 460 | 41  | 71068 | MYS8 ST  | 1.027 | 290 | 41 |
| 71069 | MYS9 GTS | 0.998 | 460 | -28 | 71070 | MYS9 ST  | 1.051 | 290 | 120 | 71060 | MYST G4  | 0.000 | 0   | 0  |
| 71061 | MYST 5G  | 0.992 | 109 | -28 | 71062 | MYST G6  | 0.991 | 136 | -28 | 71063 | MYST G7  | 1.014 | 565 | 41 |
| 71073 | N.BOST 1 | 0.980 | 350 | -48 | 71074 | N.BOST 2 | 0.000 | 0   | 0   | 71946 | SALEM G1 | 1.023 | 79  | 9  |
| 71947 | SALEM G2 | 1.023 | 78  | 9   | 71948 | SALEM G3 | 1.019 | 143 | 19  | 71949 | SALEM G4 | 1.019 | 400 | 57 |
| 72059 | LENERG1  | 1.021 | 50  | 2   | 72060 | LENERG2  | 1.022 | 20  | 1   |       |          |       |     |    |

~~~SEMA/RI~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX | | | |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|-----|------|
| 71095 | ANPBLCK1 | 1.090 | 290 | 132 | 71096 | ANPBLCK2 | 1.090 | 290 | 132 | 72377 | BELL #1 | 1.048 | 290 | 52 |
| 72378 | BELL #2 | 1.048 | 290 | 52 | 72372 | BP #1 GN | 1.016 | 238 | 72* | 72375 | BP #2 GN | 1.016 | 241 | 72* |
| 72370 | BP #3 GN | 1.019 | 489 | 43 | 72371 | BP #4 GN | 0.000 | 0 | 0 | 71531 | OSP1 PF | 1.003 | 77 | 0 |
| 71532 | OSP2 PF | 1.003 | 77 | 0 | 71533 | OSP3 PF | 1.002 | 107 | 0 | 71534 | OSP4 PF | 1.003 | 77 | 0 |
| 71535 | OSP5 PF | 0.000 | 0 | 0 | 71536 | OSP6 PF | 0.000 | 0 | 0 | 71084 | NEA GTPF | 1.051 | 85 | 40* |
| 71085 | NEA GTPF | 1.051 | 85 | 40* | 71086 | NEA STPF | 1.066 | 80 | 55* | 72666 | FRSQ SC1 | 0.995 | 43 | -5 |
| 72667 | FRSQ SC2 | 0.994 | 43 | -5 | 72668 | FRSQ SC3 | 0.993 | 42 | -5 | 72661 | MANCH09A | 1.005 | 99 | 22 |
| 72662 | MANCH10A | 1.005 | 99 | 22 | 72663 | MANCH11A | 1.005 | 99 | 22 | 72671 | RISE G1 | 1.040 | 176 | 63 |
| 72672 | RISE G2 | 1.040 | 176 | 63 | 72673 | RISE G3 | 1.039 | 196 | 63 | 72373 | MPLP 1PF | 1.041 | 80 | 39 |
| 72374 | MPLP 2PF | 1.031 | 44 | 27* | 71251 | CANAL G1 | 1.041 | 566 | 239* | 71252 | CANAL G2 | 1.019 | 576 | 120* |
| 71094 | PLGRM G1 | 1.033 | 670 | 113 | 71092 | EDG ST | 0.000 | 0 | 0 | 71093 | EDG GTS | 0.000 | 0 | 0 |
| 71522 | SOM G6 | 0.941 | 105 | 0 | 72669 | TIVER G1 | 0.989 | 189 | -2 | 72670 | TIVER G2 | 0.000 | 0 | 0 |
| 71524 | DGHTNPWR | 1.007 | 185 | 39 | | | | | | | | | | |

| | | | | | | | | |
|-------------|------|-----|-------------|-----|----|------------|-----|-----|
| | MW | MX | | MW | MX | | MW | MX |
| MILLSTONE | 2200 | 601 | BRPT-ENERGY | 520 | 62 | MIDDLETOWN | 0 | 0 |
| MONTVILLE | 483 | -60 | NORWALK | 327 | -6 | BPTHBR | 545 | 104 |
| NHHARBOUR | 447 | 43 | DEVON | 0 | 0 | MERIDEN | 344 | 161 |
| WALLINGFORD | 180 | 21 | BERKSHIRE | 280 | 55 | LAKEROAD | 310 | 174 |

| | | | | | | | | |
|----------------|-----|-----|-----------------|------|-----|----------------|------|-----|
| STONYBROOK | 412 | 77 | MILLENNIUM | 273 | 53 | BRAYTONPT | 968 | 188 |
| HOPE | 548 | 188 | FRSQ | 425 | 50 | SOMERSET | 105 | 0 |
| OSP | 338 | 0 | NEA | 249 | 135 | CANAL | 1142 | 359 |
| PILGRIM | 670 | 113 | MASSPWRR | 202 | 84 | ANP-BELLINGHAM | 580 | 105 |
| ANP-BLACKSTONE | 580 | 265 | EMI-TIVERTON | 189 | -2 | EMI-DIGHTON | 185 | 39 |
| SITHE-EDGAR | 0 | 0 | MYSTIC | 809 | -16 | NEWBOSTON | 350 | -48 |
| SALEMHBR | 700 | 95 | SITHE-MYSTIC | 1500 | 173 | SEABROOK | 1314 | 309 |
| NEWINGTON | 215 | 67 | ConEd_Newington | 0 | 0 | SCHILLER | 145 | 75 |
| MERRIMACK | 432 | 74 | WYMAN | 825 | 208 | VTYANKEE | 667 | 150 |
| BEARSWAMP | 560 | 139 | NORTHFIELD | 500 | 160 | ALTRESCO | 146 | 36 |
| MIS | 523 | 196 | AEC | 149 | 85 | RPA | 272 | 79 |
| WESTBROOK | 531 | 236 | BUCKSPORT | 174 | 96 | | | |

INTERFACE FLOWS

| | | | | | | | | |
|----------------|-------|------|---------------|------|------|----------------|-------|------|
| NB-NE | 703 | 50 | ORRING-SOUTH | 157 | 1* | SUROWIEC-SOUTH | 858 | -108 |
| MEYANKEE-SOUTH | 790 | -234 | MAINE-NH | 1605 | -80 | NNE-SCOBIE+394 | 3011 | 216 |
| SEABROOK-SOUTH | 1651 | 212 | NORTH-SOUTH | 2666 | -130 | CMFD/MOORE-SO | 64 | -15 |
| SNDYPOND-SOUTH | 2535 | -41 | CONN-IMPORT | 1665 | -72 | SWCT | 1569 | 161 |
| NE-NRWLK-STFD | 773 | -89* | BOSTON IMPORT | 2195 | -388 | SEMA/RI EXPORT | 1148 | -56 |
| SEMA EXPORT | -385 | -413 | EAST-WEST | 2294 | 27 | NY-NE 2200(170 | -1055 | -63 |
| NW VT | 370 | 0 | PLAT PAR | 118 | -38 | BLISS PAR | -25 | -10 |
| UPNY-CONED | 4079 | -57 | CENTRAL_EAST | 1297 | -56 | CROSS-SOUND | -346 | 135 |
| CONN-EXPORT | -1342 | 236 | LI | | | | | |

HVDC TRANSFERS FROM H-Q

CHAT-1 = 366
MADAWASK = 0
EEL = 0

PHII-P1 = 1000

HIGHGATE = 200
PHII-P2 = 1000

BUS VOLTAGES

| | V | LMT | | V | LMT | | V | LMT | |
|-----------------|-----|------|-----------------|-----|------|----------------|----------------|------|------|
| 70001 CHESTER | 345 | 343. | 72692 NWGTN345 | 345 | 357. | 72694 SEBRK345 | 345 | 355. | |
| 71789 TEWKS | 345 | 357. | 70759 MYSTIC | 345 | 360. | 71797 MILLBURY | 345 | 353. | |
| 72925 LUDLOW | 345 | 348. | 72926 NRTHFLD | 345 | 352. | 73106 SOUTHGTN | 345 | 354. | |
| 73108 CARD | 345 | 353. | 73109 MONTVILLE | 345 | 354. | 73110 MILLSTNE | 345 | 357. | |
| 73116 MIDDLETWN | 345 | 355. | 71801 BRAYTN P | 345 | 358. | 71811 KENT CO. | 345 | 352. | |
| 71326 BRIDGWTR | 345 | 355. | 71336 SHERMAN | 345 | 356. | 71338 OS POWER | 345 | 356. | |
| 71337 WFARNUM | 345 | 355. | 70772 W MEDWAY | 345 | 355. | 70780 WWALP345 | 345 | 356. | |
| 70783 PILGRIM | 345 | 358. | 70773 NEA 336 | 345 | 358. | 71193 CANAL | 345 | 358. | |
| 71133 CARVER | 345 | 357. | 70655 SHELBRNE | 115 | 115. | L | 70795 FRMNGHAM | 230 | 235. |
| 70793 MDFRM230 | 230 | 239. | 70794 MDWLT230 | 230 | 240. | 70818 MYSTC MA | 115 | 119. | |
| 71891 SALEM HR | 115 | 119. | 72096 MILLBURY | 115 | 116. | 126.0 * | 71377 SOMERSET | 115 | 116. |
| 72277 MIDWEYMT | 115 | 117. | 72259 MINK 183 | 115 | 118. | 72574 WARRN 84 | 115 | 117. | |
| 72569 FRSQ | 115 | 119. | 72566 PHILP183 | 115 | 119. | 72553 ADMIRAL3 | 115 | 119. | |
| 71405 PAWTUCT | 115 | 113. | 71379 SWANSEA | 115 | 116. | 72269 WITNPD43 | 115 | 116. | |
| 72278 FIELD 1 | 115 | 117. | 72266 READ ST | 115 | 115. | 72267 S WREN29 | 115 | 114. | |

72254 DEPOT129 115 117.
71403 WFARNUM 115 117.
72544 JOHNSTN1 115 119.
72565 KENT CO 115 117.
72557 DAVIST85 115 115.
72538 KENYON 115 114.
70487 COOL 345 345 352.

0.0
75.6 *

72255 DEPOT130 115 117.
72579 WOLF 171 115 118.
72545 JOHNSTN2 115 119.
72570 SOCK187 115 115.
72559 DAVIS 90 115 116.
72581 WOOD RIV 115 114.
70520 W RUTLND 115 116.

AREA/ZONE TOTALS

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NEPOOL\_LOAD 28880

72582 WOONSCKT 115 117.  
72584 HARTAVE 115 119.  
72560 DRUMROCK 115 116.  
72571 SOCK188 115 115.  
72572 W.KINGST 115 115.  
70512 ESX B-2 115 116.

0.0

23.4

25.2 \*

NEPOOL\_GEN 27795  
NEPOOL\_INT -1880

NEPOOL\_LOSS 792

2005 FERC 715 LIBRARY SUMMER PEAK 2008;  
West-East Transfer

GENERATION

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~~~VT/MA~~~

| #     | V     | MW  | MX   | #     | V     | MW  | MX   | #     | V     | MW  | MX   |
|-------|-------|-----|------|-------|-------|-----|------|-------|-------|-----|------|
| 70705 | 0.981 | 667 | 150* | 73072 | 1.015 | 65  | 6    | 73073 | 1.013 | 80  | 6    |
| 72986 | 1.020 | 280 | 21   | 73069 | 1.021 | 56  | 24   | 73070 | 1.019 | 76  | 24   |
| 73071 | 1.013 | 70  | 24   | 73085 | 1.002 | 146 | 13   | 72512 | 1.028 | 280 | 102  |
| 72513 | 1.028 | 280 | 102  | 73083 | 1.023 | 500 | 160* | 73084 | 1.023 | 500 | 160* |
| 72930 | 1.041 | 65  | 11   | 72931 | 1.041 | 65  | 11   | 72932 | 1.041 | 65  | 11   |
| 72933 | 1.041 | 87  | 12   | 72934 | 1.041 | 65  | 11   | 72935 | 1.041 | 65  | 11   |
| 73080 | 0.983 | 107 | -11  | 72244 | 0.000 | 0   | 0    | 72243 | 1.026 | 273 | 84   |

~~~CT~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX |
|-------|-------|-----|-----|-------|-------|------|-----|-------|-------|-----|-----|
| 73562 | 0.995 | 940 | 162 | 73563 | 0.995 | 1260 | 215 | 73558 | 0.974 | 81 | 0 |
| 73559 | 0.978 | 402 | -60 | 73555 | 1.005 | 117 | 28 | 73556 | 0.984 | 236 | 28 |
| 73557 | 0.989 | 400 | 34 | 73565 | 1.019 | 305 | 90 | 73566 | 1.019 | 305 | 90 |
| 73567 | 1.019 | 310 | 90 | 73549 | 0.000 | 0 | 0 | 73550 | 1.050 | 72 | 4* |
| 73594 | 1.017 | 90 | 10 | 73595 | 1.017 | 90 | 10 | 73596 | 0.000 | 0 | 0 |
| 73501 | 0.000 | 0 | 0 | 73502 | 0.000 | 0 | 0 | 73503 | 1.016 | 318 | 113 |
| 73588 | 1.002 | 172 | 4 | 73589 | 1.002 | 172 | 4 | 73590 | 1.001 | 196 | 4 |
| 73538 | 0.000 | 0 | 0 | 73652 | 0.987 | 170 | 21 | 73653 | 0.987 | 170 | 21 |
| 73654 | 0.985 | 180 | 21 | 73647 | 0.954 | 170 | 23 | 73648 | 0.977 | 375 | 57 |
| 73570 | 0.000 | 0 | 0 | 73571 | 0.000 | 0 | 0 | 73572 | 0.000 | 0 | 0 |
| 73573 | 0.000 | 0 | 0 | 73553 | 0.000 | 0 | 0 | 73554 | 0.000 | 0 | 0 |
| 73574 | 1.020 | 305 | 56 | 73575 | 1.020 | 305 | 56 | 73651 | 0.968 | 447 | 22 |
| 73551 | 0.981 | 159 | 0 | 73552 | 0.982 | 168 | 0 | | | | |

~~~ME/NH~~~

| #     | V     | MW  | MX  | #     | V     | MW  | MX  | #     | V     | MW  | MX  |
|-------|-------|-----|-----|-------|-------|-----|-----|-------|-------|-----|-----|
| 70060 | 1.058 | 166 | 68* | 70061 | 1.058 | 166 | 68* | 70062 | 1.051 | 191 | 60* |
| 70377 | 1.116 | 50  | 38  | 70378 | 1.117 | 50  | 38  | 70379 | 1.117 | 50  | 38  |
| 70389 | 1.043 | 174 | 77  | 70426 | 0.969 | 15  | 6*  | 70424 | 1.034 | 65  | 32* |
| 70374 | 0.000 | 0   | 0   | 70375 | 0.000 | 0   | 0   | 70376 | 0.000 | 0   | 0   |
| 70425 | 0.969 | 93  | 15* | 70381 | 0.000 | 0   | 0   | 70382 | 0.000 | 0   | 0   |

|       |          |       |     |     |       |          |       |     |      |       |          |       |      |      |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|------|------|
| 70422 | WARRN G1 | 1.034 | 51  | 15* | 70423 | WARRN G2 | 1.052 | 45  | 11*  | 70386 | WBK G1   | 1.043 | 172  | 71   |
| 70387 | WBK G2   | 1.043 | 172 | 71  | 70388 | WBK G3   | 1.043 | 187 | 73   | 70365 | WF WY #1 | 1.006 | 50   | 7    |
| 70366 | WF WY #2 | 1.007 | 50  | 7   | 70367 | WF WY #3 | 1.006 | 125 | 14   | 70368 | WF WY #4 | 1.003 | 400  | 20   |
| 71857 | COMRF G1 | 1.008 | 20  | -3  | 71858 | COMRF G2 | 1.008 | 20  | -3   | 71859 | COMRF G3 | 1.008 | 20   | -3   |
| 71860 | COMRF G4 | 1.008 | 20  | -3  | 71861 | MOORE G1 | 1.007 | 20  | -1   | 71862 | MOORE G2 | 1.011 | 20   | -1   |
| 71863 | MOORE G3 | 1.016 | 20  | 7   | 71864 | MOORE G4 | 1.031 | 20  | 7    | 72868 | NWNGT G1 | 0.993 | 215  | 38   |
| 72702 | CONEDG1  | 1.000 | 178 | 38  | 72703 | CONEDG2  | 1.000 | 178 | 38   | 72704 | CONEDG3  | 0.998 | 205  | 38   |
| 71950 | GRANRDG1 | 1.041 | 250 | 27  | 71951 | GRANRDG2 | 1.094 | 250 | 140* | 72701 | AESSTG   | 1.035 | 250  | 14   |
| 72866 | MERMK G1 | 1.024 | 112 | 11  | 72867 | MERMK G2 | 1.024 | 320 | 31   | 72869 | SBRK G1  | 1.006 | 1314 | 309* |
| 72870 | SCHILLER | 1.031 | 48  | 25  | 72872 | SCHILLER | 1.031 | 48  | 25   | 72871 | SCHILLER | 1.031 | 50   | 25   |

~~~NEMA~~~

| # | | V | MW | MX | # | | V | MW | MX | # | | V | MW | MX |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|-------|----------|-------|-----|----|
| 71126 | KEND CT | 0.000 | 0 | 0 | 71067 | MYS8 GTS | 1.026 | 460 | 67 | 71068 | MYS8 ST | 1.038 | 290 | 67 |
| 71069 | MYS9 GTS | 0.997 | 460 | -31 | 71070 | MYS9 ST | 1.051 | 290 | 120 | 71060 | MYST G4 | 0.000 | 0 | 0 |
| 71061 | MYST 5G | 0.990 | 109 | -31 | 71062 | MYST G6 | 0.989 | 136 | -31 | 71063 | MYST G7 | 1.017 | 565 | 67 |
| 71073 | N.BOST 1 | 0.000 | 0 | 0 | 71074 | N.BOST 2 | 0.000 | 0 | 0 | 71946 | SALEM G1 | 1.026 | 79 | 12 |
| 71947 | SALEM G2 | 1.026 | 78 | 12 | 71948 | SALEM G3 | 0.000 | 0 | 0 | 71949 | SALEM G4 | 1.022 | 400 | 73 |
| 72059 | LENERG1 | 1.022 | 50 | 2 | 72060 | LENERG2 | 1.023 | 20 | 1 | | | | | |

~~~SEMA/RI~~~

| #     |          | V     | MW  | MX   | #     |          | V     | MW  | MX  | #     |          | V     | MW  | MX   |
|-------|----------|-------|-----|------|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|
| 71095 | ANPBLCK1 | 1.089 | 290 | 150* | 71096 | ANPBLCK2 | 0.000 | 0   | 0   | 72377 | BELL #1  | 1.085 | 290 | 150* |
| 72378 | BELL #2  | 0.000 | 0   | 0    | 72372 | BP #1 GN | 0.000 | 0   | 0   | 72375 | BP #2 GN | 0.000 | 0   | 0    |
| 72370 | BP #3 GN | 0.000 | 0   | 0    | 72371 | BP #4 GN | 0.000 | 0   | 0   | 71531 | OSP1 PF  | 0.000 | 0   | 0    |
| 71532 | OSP2 PF  | 0.000 | 0   | 0    | 71533 | OSP3 PF  | 0.000 | 0   | 0   | 71534 | OSP4 PF  | 0.000 | 0   | 0    |
| 71535 | OSP5 PF  | 0.000 | 0   | 0    | 71536 | OSP6 PF  | 0.000 | 0   | 0   | 71084 | NEA GTPF | 1.043 | 85  | 40*  |
| 71085 | NEA GTPF | 1.043 | 85  | 40*  | 71086 | NEA STPF | 1.058 | 80  | 55* | 72666 | FRSQ SC1 | 0.994 | 43  | -5   |
| 72667 | FRSQ SC2 | 0.993 | 43  | -5   | 72668 | FRSQ SC3 | 0.992 | 42  | -5  | 72661 | MANCH09A | 1.013 | 99  | 35*  |
| 72662 | MANCH10A | 1.013 | 99  | 35*  | 72663 | MANCH11A | 1.013 | 99  | 35* | 72671 | RISE G1  | 1.044 | 176 | 70   |
| 72672 | RISE G2  | 1.044 | 176 | 70   | 72673 | RISE G3  | 1.043 | 196 | 70  | 72373 | MPLP 1PF | 1.039 | 80  | 53*  |
| 72374 | MPLP 2PF | 1.022 | 44  | 27*  | 71251 | CANAL G1 | 0.000 | 0   | 0   | 71252 | CANAL G2 | 0.000 | 0   | 0    |
| 71094 | PLGRM G1 | 1.061 | 670 | 340* | 71092 | EDG ST   | 0.000 | 0   | 0   | 71093 | EDG GTS  | 0.000 | 0   | 0    |
| 71522 | SOM G6   | 0.959 | 105 | 21   | 72669 | TIVER G1 | 0.996 | 189 | 8   | 72670 | TIVER G2 | 0.000 | 0   | 0    |
| 71524 | DGHTNPWR | 1.014 | 185 | 48   |       |          |       |     |     |       |          |       |     |      |

|           |    |      |    |     |             |    |     |    |    |            |    |     |    |    |
|-----------|----|------|----|-----|-------------|----|-----|----|----|------------|----|-----|----|----|
| MILLSTONE | MW | 2200 | MX | 377 | BRPT-ENERGY | MW | 520 | MX | 62 | MIDDLETOWN | MW | 753 | MX | 89 |
| MONTVILLE |    | 483  |    | -60 | NORWALK     |    | 327 |    | 0  | BPTHBR     |    | 545 |    | 79 |
| NHHARBOUR |    | 447  |    | 22  | DEVON       |    | 0   |    | 0  | MERIDEN    |    | 344 |    | 9  |

|                |     |     |                 |      |     |                |      |     |
|----------------|-----|-----|-----------------|------|-----|----------------|------|-----|
| WALLINGFORD    | 180 | 20  | BERKSHIRE       | 280  | 21  | LAKEROAD       | 920  | 270 |
| STONYBROOK     | 412 | 64  | MILLENNIUM      | 273  | 84  | BRAYTONPT      | 0    | 0   |
| HOPE           | 548 | 209 | FRSQ            | 425  | 90  | SOMERSET       | 105  | 21  |
| OSP            | 0   | 0   | NEA             | 249  | 135 | CANAL          | 0    | 0   |
| PILGRIM        | 670 | 340 | MASSPWRR        | 202  | 72  | ANP-BELLINGHAM | 290  | 150 |
| ANP-BLACKSTONE | 290 | 150 | EMI-TIVERTON    | 189  | 8   | EMI-DIGHTON    | 185  | 48  |
| SITHE-EDGAR    | 0   | 0   | MYSTIC          | 809  | 4   | NEWBOSTON      | 0    | 0   |
| SALEMHBR       | 557 | 98  | SITHE-MYSTIC    | 1500 | 222 | SEABROOK       | 1314 | 309 |
| NEWINGTON      | 215 | 38  | ConEd_Newington | 0    | 0   | SCHILLER       | 145  | 75  |
| MERRIMACK      | 432 | 42  | WYMAN           | 625  | 48  | VTYANKEE       | 667  | 150 |
| BEARSWAMP      | 560 | 205 | NORTHFIELD      | 1000 | 320 | ALTRESCO       | 146  | 12  |
| MIS            | 523 | 196 | AEC             | 149  | 115 | RPA            | 0    | 0   |
| WESTBROOK      | 531 | 216 | BUCKSPORT       | 174  | 77  |                |      |     |

INTERFACE FLOWS

|                |       |       |               |       |       |                 |       |      |
|----------------|-------|-------|---------------|-------|-------|-----------------|-------|------|
| NB-NE          | 703   | -34   | ORRING-SOUTH  | 168   | 3*    | SUROWIEC-SOUTH  | 600   | -47  |
| MEYANKEE-SOUTH | 739   | -218  | MAINE-NH      | 1155  | -71   | NNE-SCOBIE+394  | 2632  | 170  |
| SEABROOK-SOUTH | 1645  | 182   | NORTH-SOUTH   | 2228  | -5    | CMFD/MOORE-SO   | 91    | -21  |
| SNDYPOND-SOUTH | 2608  | 12    | CONN-IMPORT   | 872   | -139  | SWCT            | 1562  | 179  |
| NE-NRWLK-STFD  | 792   | -115* | BOSTON IMPORT | 2736  | -577  | SEMA/RI EXPORT  | -1273 | -28  |
| SEMA EXPORT    | -1527 | -307  | EAST-WEST     | -1011 | 221   | NY-NE 2200(170) | 1095  | -315 |
| NW VT          | 377   | 5     | PLAT PAR      | 118   | -39   | BLISS PAR       | -25   | -12  |
| UPNY-CONED     | 3681  | -171  | CENTRAL_EAST  | 2259  | -14<6 | CROSS-SOUND     | -346  | 106  |
| CONN-EXPORT    | 54    | 249   | LI            |       |       |                 |       |      |

HVDC TRANSFERS FROM H-Q

CHAT-1 = 366  
MADAWASK = 0  
EEL = 0

PHII-P1 = 1000

HIGHGATE = 200  
PHII-P2 = 1000

BUS VOLTAGES

| V LMT          |     |          | V LMT           |     |              | V LMT          |     |      |
|----------------|-----|----------|-----------------|-----|--------------|----------------|-----|------|
| 70001 CHESTER  | 345 | 354.     | 72692 NWGTN345  | 345 | 357.         | 72694 SEBRK345 | 345 | 356. |
| 71789 TEWKS    | 345 | 357.     | 70759 MYSTIC    | 345 | 360.         | 71797 MILLBURY | 345 | 351. |
| 72925 LUDLOW   | 345 | 350.     | 72926 NRTHFLD   | 345 | 357.         | 73106 SOUTHGTN | 345 | 355. |
| 73108 CARD     | 345 | 355.     | 73109 MONTVILE  | 345 | 354.         | 73110 MILLSTNE | 345 | 357. |
| 73116 MDDLWTWN | 345 | 357.     | 71801 BRAYTN P  | 345 | 352.         | 71811 KENT CO. | 345 | 350. |
| 71326 BRIDGWTR | 345 | 354.     | 71336 SHERMAN   | 345 | 354.         | 71338 OS POWER | 345 | 354. |
| 71337 WFARNUM  | 345 | 352.     | 70772 W MEDWAY  | 345 | 353.         | 70780 WWALP345 | 345 | 354. |
| 70783 PILGRIM  | 345 | 358.     | 70773 NEA 336   | 345 | 355.         | 71193 CANAL    | 345 | 351. |
| 71133 CARVER   | 345 | 351.     | 70655 SHELBRENE | 115 | 115. L       | 70795 FRMNGHAM | 230 | 233. |
| 70793 MDFRM230 | 230 | 237.     | 70794 MDWLT230  | 230 | 239.         | 70818 MYSTC MA | 115 | 119. |
| 71891 SALEM HR | 115 | 119.     | 72096 MILLBURY  | 115 | 114. 126.0 * | 71377 SOMERSET | 115 | 116. |
| 72277 MIDWEYMT | 115 | 117.     | 72259 MINK 183  | 115 | 117.         | 72574 WARRN 84 | 115 | 114. |
| 72569 FRSQ     | 115 | 119. 0.0 | 72566 PHILP183  | 115 | 118.         | 72553 ADMIRAL3 | 115 | 119. |
| 71405 PAWTUCKT | 115 | 112.     | 71379 SWANSEA   | 115 | 115.         | 72269 WITNPD43 | 115 | 114. |

72278 FIELD 1 115 117.  
72254 DEPOT129 115 116.  
71403 WFARNUM 115 116.  
72544 JOHNSTN1 115 119.  
72565 KENT CO 115 116.  
72557 DAVIST85 115 115.  
72538 KENYON 115 114.  
70487 COOL 345 345 353.

0.0  
75.6 \*

72266 READ ST 115 114.  
72255 DEPOT130 115 116.  
72579 WOLF 171 115 117.  
72545 JOHNSTN2 115 119.  
72570 SOCK187 115 115.  
72559 DAVIS 90 115 116.  
72581 WOOD RIV 115 113.  
70520 W RUTLND 115 117.

AREA/ZONE TOTALS

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NEPOOL_LOAD 28880

72267 S WREN29 115 112.
72582 WOONSCKT 115 116.
72584 HARTAVE 115 119.
72560 DRUMROCK 115 116.
72571 SOCK188 115 115.
72572 W.KINGST 115 114.
70512 ESX B-2 115 116.

0.0

23.4

25.2 *

NEPOOL_GEN 25615
NEPOOL_INT -4034

NEPOOL_LOSS 766

2005 FERC 715 LIBRARY SUMMER PEAK 2008;
 Low transfer case

GENERATION

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~~~VT/MA~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX |
|-------|-------|-----|------|-------|-------|-----|----|-------|-------|-----|------|
| 70705 | 0.982 | 667 | 150* | 73072 | 1.013 | 65 | 4 | 73073 | 1.012 | 80 | 4 |
| 72986 | 1.025 | 280 | 29 | 73069 | 1.017 | 56 | 21 | 73070 | 1.015 | 76 | 21 |
| 73071 | 1.010 | 70 | 21 | 73085 | 1.001 | 146 | 11 | 72512 | 1.016 | 280 | 68 |
| 72513 | 1.016 | 280 | 68 | 73083 | 0.000 | 0 | 0 | 73084 | 1.022 | 500 | 160* |
| 72930 | 1.041 | 65 | 9 | 72931 | 1.041 | 65 | 9 | 72932 | 1.041 | 65 | 9 |
| 72933 | 1.041 | 87 | 10 | 72934 | 1.041 | 65 | 9 | 72935 | 1.041 | 65 | 9 |
| 73080 | 0.980 | 107 | -16 | 72244 | 0.000 | 0 | 0 | 72243 | 1.002 | 273 | 38 |

~~~CT~~~

| #     | V     | MW  | MX  | #     | V     | MW   | MX  | #     | V     | MW  | MX  |
|-------|-------|-----|-----|-------|-------|------|-----|-------|-------|-----|-----|
| 73562 | 0.996 | 940 | 173 | 73563 | 0.997 | 1260 | 229 | 73558 | 0.976 | 81  | 0   |
| 73559 | 0.980 | 402 | -60 | 73555 | 1.007 | 117  | 30  | 73556 | 0.985 | 236 | 30  |
| 73557 | 0.000 | 0   | 0   | 73565 | 0.000 | 0    | 0   | 73566 | 0.000 | 0   | 0   |
| 73567 | 1.028 | 310 | 110 | 73549 | 0.000 | 0    | 0   | 73550 | 1.048 | 72  | 4*  |
| 73594 | 1.017 | 90  | 10  | 73595 | 1.017 | 90   | 10  | 73596 | 0.000 | 0   | 0   |
| 73501 | 0.000 | 0   | 0   | 73502 | 0.000 | 0    | 0   | 73503 | 1.028 | 318 | 153 |
| 73588 | 1.013 | 172 | 23  | 73589 | 1.013 | 172  | 23  | 73590 | 1.012 | 196 | 23  |
| 73538 | 0.000 | 0   | 0   | 73652 | 0.987 | 170  | 21  | 73653 | 0.987 | 170 | 21  |
| 73654 | 0.985 | 180 | 21  | 73647 | 0.957 | 170  | 26  | 73648 | 0.978 | 375 | 64  |
| 73570 | 0.000 | 0   | 0   | 73571 | 0.000 | 0    | 0   | 73572 | 0.000 | 0   | 0   |
| 73573 | 0.000 | 0   | 0   | 73553 | 0.000 | 0    | 0   | 73554 | 0.000 | 0   | 0   |
| 73574 | 1.020 | 305 | 57  | 73575 | 1.020 | 305  | 57  | 73651 | 0.968 | 447 | 22  |
| 73551 | 0.977 | 159 | -8  | 73552 | 0.977 | 168  | -8  |       |       |     |     |

~~~ME/NH~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX |
|-------|-------|-----|-----|-------|-------|-----|-----|-------|-------|-----|-----|
| 70060 | 1.042 | 166 | 68* | 70061 | 1.042 | 166 | 68* | 70062 | 1.036 | 191 | 60* |
| 70377 | 1.096 | 50 | 27 | 70378 | 1.097 | 50 | 27 | 70379 | 1.096 | 50 | 27 |
| 70389 | 1.043 | 174 | 91 | 70426 | 0.957 | 15 | 6* | 70424 | 1.024 | 65 | 32* |
| 70374 | 0.000 | 0 | 0 | 70375 | 0.000 | 0 | 0 | 70376 | 0.000 | 0 | 0 |
| 70425 | 1.001 | 93 | 15* | 70381 | 1.043 | 179 | 55 | 70382 | 1.043 | 93 | 22 |
| 70422 | 1.024 | 51 | 15* | 70423 | 1.042 | 45 | 11* | 70386 | 1.043 | 172 | 73 |

| | | | | | | | | | | | | | | |
|-------|----------|-------|-----|----|-------|----------|-------|-----|------|-------|----------|-------|------|-----|
| 70387 | WBK G2 | 1.043 | 172 | 73 | 70388 | WBK G3 | 1.043 | 187 | 75 | 70365 | WF WY #1 | 1.008 | 50 | 8 |
| 70366 | WF WY #2 | 1.008 | 50 | 8 | 70367 | WF WY #3 | 1.007 | 125 | 15 | 70368 | WF WY #4 | 0.000 | 0 | 0 |
| 71857 | COMRF G1 | 1.008 | 20 | -3 | 71858 | COMRF G2 | 1.008 | 20 | -3 | 71859 | COMRF G3 | 1.008 | 20 | -3 |
| 71860 | COMRF G4 | 1.008 | 20 | -3 | 71861 | MOORE G1 | 1.008 | 20 | -1 | 71862 | MOORE G2 | 1.011 | 20 | -1 |
| 71863 | MOORE G3 | 1.017 | 20 | 7 | 71864 | MOORE G4 | 1.032 | 20 | 7 | 72868 | NWNGT G1 | 0.991 | 215 | 33 |
| 72702 | CONEDG1 | 0.998 | 178 | 33 | 72703 | CONEDG2 | 0.998 | 178 | 33 | 72704 | CONEDG3 | 0.996 | 205 | 33 |
| 71950 | GRANRDG1 | 1.038 | 250 | 21 | 71951 | GRANRDG2 | 1.095 | 250 | 140* | 72701 | AESSTG | 1.035 | 250 | 13 |
| 72866 | MERMK G1 | 1.023 | 112 | 10 | 72867 | MERMK G2 | 1.023 | 320 | 28 | 72869 | SBRK G1 | 1.006 | 1314 | 291 |
| 72870 | SCHILLER | 1.031 | 48 | 24 | 72872 | SCHILLER | 1.031 | 48 | 24 | 72871 | SCHILLER | 1.030 | 50 | 24 |

~~~NEMA~~~

| #     | V        | MW    | MX  | #   | V     | MW       | MX    | #   | V   | MW    | MX       |       |     |    |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|-------|----------|-------|-----|----|
| 71126 | KEND CT  | 0.000 | 0   | 0   | 71067 | MYS8 GTS | 1.016 | 460 | 20  | 71068 | MYS8 ST  | 1.018 | 290 | 20 |
| 71069 | MYS9 GTS | 0.996 | 460 | -37 | 71070 | MYS9 ST  | 1.050 | 290 | 117 | 71060 | MYST G4  | 0.000 | 0   | 0  |
| 71061 | MYST 5G  | 0.986 | 109 | -37 | 71062 | MYST G6  | 0.986 | 136 | -37 | 71063 | MYST G7  | 1.011 | 565 | 20 |
| 71073 | N.BOST 1 | 0.000 | 0   | 0   | 71074 | N.BOST 2 | 0.000 | 0   | 0   | 71946 | SALEM G1 | 1.023 | 79  | 9  |
| 71947 | SALEM G2 | 1.023 | 78  | 9   | 71948 | SALEM G3 | 1.018 | 143 | 18  | 71949 | SALEM G4 | 1.019 | 400 | 53 |
| 72059 | LENERG1  | 1.014 | 50  | -4  | 72060 | LENERG2  | 1.019 | 20  | -2  |       |          |       |     |    |

~~~SEMA/RI~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX | | | |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|-----|-----|
| 71095 | ANPBLCK1 | 1.081 | 290 | 111 | 71096 | ANPBLCK2 | 1.081 | 290 | 111 | 72377 | BELL #1 | 1.045 | 290 | 46 |
| 72378 | BELL #2 | 1.045 | 290 | 46 | 72372 | BP #1 GN | 1.017 | 238 | 74* | 72375 | BP #2 GN | 1.016 | 241 | 74* |
| 72370 | BP #3 GN | 1.017 | 489 | 30 | 72371 | BP #4 GN | 0.000 | 0 | 0 | 71531 | OSP1 PF | 1.004 | 77 | 0 |
| 71532 | OSP2 PF | 1.004 | 77 | 0 | 71533 | OSP3 PF | 1.004 | 107 | 0 | 71534 | OSP4 PF | 1.004 | 77 | 0 |
| 71535 | OSP5 PF | 0.000 | 0 | 0 | 71536 | OSP6 PF | 0.000 | 0 | 0 | 71084 | NEA GTPF | 1.051 | 85 | 40* |
| 71085 | NEA GTPF | 1.051 | 85 | 40* | 71086 | NEA STPF | 1.066 | 80 | 55* | 72666 | FRSQ SC1 | 0.995 | 43 | -5 |
| 72667 | FRSQ SC2 | 0.994 | 43 | -5 | 72668 | FRSQ SC3 | 0.993 | 42 | -5 | 72661 | MANCH09A | 1.005 | 99 | 21 |
| 72662 | MANCH10A | 1.005 | 99 | 21 | 72663 | MANCH11A | 1.005 | 99 | 21 | 72671 | RISE G1 | 1.038 | 176 | 58 |
| 72672 | RISE G2 | 1.038 | 176 | 58 | 72673 | RISE G3 | 1.037 | 196 | 58 | 72373 | MPLP 1PF | 1.043 | 80 | 43 |
| 72374 | MPLP 2PF | 1.031 | 44 | 27* | 71251 | CANAL G1 | 1.035 | 566 | 239* | 71252 | CANAL G2 | 0.000 | 0 | 0 |
| 71094 | PLGRM G1 | 1.041 | 670 | 174 | 71092 | EDG ST | 0.000 | 0 | 0 | 71093 | EDG GTS | 0.000 | 0 | 0 |
| 71522 | SOM G6 | 0.940 | 105 | 0 | 72669 | TIVER G1 | 0.993 | 189 | 2 | 72670 | TIVER G2 | 0.000 | 0 | 0 |
| 71524 | DGHTNPWR | 1.010 | 185 | 42 | | | | | | | | | | |

| | | | | | | | | |
|-------------|------|-----|-------------|-----|-----|------------|-----|-----|
| | MW | MX | | MW | MX | | MW | MX |
| MILLSTONE | 2200 | 401 | BRPT-ENERGY | 520 | 62 | MIDDLETOWN | 353 | 61 |
| MONTVILLE | 483 | -60 | NORWALK | 327 | -17 | BPTHBR | 545 | 90 |
| NHHARBOUR | 447 | 22 | DEVON | 0 | 0 | MERIDEN | 344 | 46 |
| WALLINGFORD | 180 | 20 | BERKSHIRE | 280 | 29 | LAKEROAD | 310 | 110 |

| | | | | | | | | |
|----------------|-----|-----|-----------------|------|-----|----------------|------|-----|
| STONYBROOK | 412 | 54 | MILLENNIUM | 273 | 38 | BRAYTONPT | 968 | 177 |
| HOPE | 548 | 175 | FRSQ | 425 | 49 | SOMERSET | 105 | 0 |
| OSP | 338 | 0 | NEA | 249 | 135 | CANAL | 566 | 239 |
| PILGRIM | 670 | 174 | MASSPWRR | 202 | 62 | ANP-BELLINGHAM | 580 | 92 |
| ANP-BLACKSTONE | 580 | 223 | EMI-TIVERTON | 189 | 2 | EMI-DIGHTON | 185 | 42 |
| SITHE-EDGAR | 0 | 0 | MYSTIC | 809 | -55 | NEWBOSTON | 0 | 0 |
| SALEMHBR | 700 | 89 | SITHE-MYSTIC | 1500 | 118 | SEABROOK | 1314 | 291 |
| NEWINGTON | 215 | 33 | ConEd_Newington | 0 | 0 | SCHILLER | 145 | 73 |
| MERRIMACK | 432 | 38 | WYMAN | 225 | 30 | VTYANKEE | 667 | 150 |
| BEARSWAMP | 560 | 136 | NORTHFIELD | 500 | 160 | ALTRESCO | 146 | 9 |
| MIS | 523 | 196 | AEC | 149 | 82 | RPA | 272 | 77 |
| WESTBROOK | 531 | 221 | BUCKSPORT | 174 | 91 | | | |

INTERFACE FLOWS

| | | | | | | | | |
|----------------|------|------|---------------|------|-------|----------------|------|------|
| NB-NE | 703 | 37 | ORRING-SOUTH | 156 | 3* | SUROWIEC-SOUTH | 859 | -119 |
| MEYANKEE-SOUTH | 792 | -235 | MAINE-NH | 1015 | -137 | NNE-SCOBIE+394 | 2500 | 83 |
| SEABROOK-SOUTH | 1570 | 149 | NORTH-SOUTH | 2112 | -98 | CMFD/MOORE-SO | 76 | -19 |
| SNDYPOND-SOUTH | 2402 | 51 | CONN-IMPORT | 1280 | -153 | SWCT | 1565 | 181 |
| NE-NRWLK-STFD | 782 | -89* | BOSTON IMPORT | 2542 | -347 | SEMA/RI EXPORT | 577 | -142 |
| SEMA EXPORT | -959 | -390 | EAST-WEST | 859 | 29 | NY-NE 2200(170 | 20 | -251 |
| NW VT | 373 | 5 | PLAT PAR | 118 | -38 | BLISS PAR | -25 | -12 |
| UPNY-CONED | 4039 | -81 | CENTRAL_EAST | 1870 | -64<3 | CROSS-SOUND | -346 | 117 |
| CONN-EXPORT | -962 | 189 | LI | | | | | |

HVDC TRANSFERS FROM H-Q

CHAT-1 = 366
MADAWASK = 0
EEL = 0

PHII-P1 = 1000

HIGHGATE = 200
PHII-P2 = 1000

BUS VOLTAGES

| | V | LMT | | V | LMT | | V | LMT |
|-----------------|-----|----------|-----------------|-----|--------------|----------------|-----|------|
| 70001 CHESTER | 345 | 344. | 72692 NWGTN345 | 345 | 357. | 72694 SEBRK345 | 345 | 357. |
| 71789 TEWKS | 345 | 358. | 70759 MYSTIC | 345 | 360. | 71797 MILLBURY | 345 | 354. |
| 72925 LUDLOW | 345 | 352. | 72926 NRTHFLD | 345 | 357. | 73106 SOUTHGTN | 345 | 355. |
| 73108 CARD | 345 | 355. | 73109 MONTVILLE | 345 | 354. | 73110 MILLSTNE | 345 | 357. |
| 73116 MIDDLETWN | 345 | 357. | 71801 BRAYTN P | 345 | 358. | 71811 KENT CO. | 345 | 353. |
| 71326 BRIDGWTR | 345 | 355. | 71336 SHERMAN | 345 | 357. | 71338 OS POWER | 345 | 357. |
| 71337 WFARNUM | 345 | 355. | 70772 W MEDWAY | 345 | 356. | 70780 WWALP345 | 345 | 355. |
| 70783 PILGRIM | 345 | 358. | 70773 NEA 336 | 345 | 358. | 71193 CANAL | 345 | 356. |
| 71133 CARVER | 345 | 355. | 70655 SHELBRNE | 115 | 116. L | 70795 FRMNGHAM | 230 | 235. |
| 70793 MDFRM230 | 230 | 239. | 70794 MDWLT230 | 230 | 240. | 70818 MYSTC MA | 115 | 119. |
| 71891 SALEM HR | 115 | 119. | 72096 MILLBURY | 115 | 116. 126.0 * | 71377 SOMERSET | 115 | 116. |
| 72277 MIDWEYMT | 115 | 117. | 72259 MINK 183 | 115 | 118. | 72574 WARRN 84 | 115 | 117. |
| 72569 FRSQ | 115 | 119. 0.0 | 72566 PHILP183 | 115 | 119. | 72553 ADMIRAL3 | 115 | 119. |
| 71405 PAWTUCT | 115 | 113. | 71379 SWANSEA | 115 | 116. | 72269 WITNPD43 | 115 | 116. |
| 72278 FIELD 1 | 115 | 117. | 72266 READ ST | 115 | 115. | 72267 S WREN29 | 115 | 114. |

72254 DEPOT129 115 117.
71403 WFARNUM 115 117.
72544 JOHNSTN1 115 119.
72565 KENT CO 115 117.
72557 DAVIST85 115 116.
72538 KENYON 115 115.
70487 COOL 345 345 354.

0.0
75.6 *

72255 DEPOT130 115 117.
72579 WOLF 171 115 118.
72545 JOHNSTN2 115 119.
72570 SOCK187 115 115.
72559 DAVIS 90 115 116.
72581 WOOD RIV 115 115.
70520 W RUTLND 115 117.

AREA/ZONE TOTALS

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NEPOOL\_LOAD 28880

72582 WOONSCKT 115 117.  
72584 HARTAVE 115 119.  
72560 DRUMROCK 115 117.  
72571 SOCK188 115 115.  
72572 W.KINGST 115 115.  
70512 ESX B-2 115 116.

0.0

23.4

25.2 \*

NEPOOL\_GEN 26622  
NEPOOL\_INT -2962

NEPOOL\_LOSS 700

2005 FERC 715 LIBRARY SUMMER PEAK 2008;  
Highgate OUT, East-West Transfer

GENERATION

~~~~~

~~~VT/MA~~~

| #     | V     | MW  | MX   | #     | V     | MW  | MX  | #     | V     | MW  | MX   |
|-------|-------|-----|------|-------|-------|-----|-----|-------|-------|-----|------|
| 70705 | 0.967 | 667 | 150* | 73072 | 1.025 | 65  | 15* | 73073 | 1.024 | 80  | 15   |
| 72986 | 1.035 | 280 | 49   | 73069 | 1.025 | 56  | 27  | 73070 | 1.023 | 76  | 27   |
| 73071 | 1.016 | 70  | 27   | 73085 | 1.003 | 146 | 15  | 72512 | 1.016 | 280 | 68   |
| 72513 | 1.016 | 280 | 68   | 73083 | 0.000 | 0   | 0   | 73084 | 1.010 | 500 | 160* |
| 72930 | 1.041 | 65  | 12   | 72931 | 1.041 | 65  | 12  | 72932 | 1.041 | 65  | 12   |
| 72933 | 1.041 | 87  | 13   | 72934 | 1.041 | 65  | 12  | 72935 | 1.041 | 65  | 12   |
| 73080 | 0.985 | 107 | -9   | 72244 | 0.000 | 0   | 0   | 72243 | 1.009 | 273 | 51   |

~~~CT~~~

| # | V | MW | MX | # | V | MW | MX | # | V | MW | MX |
|-------|-------|-----|------|-------|-------|------|-----|-------|-------|-----|------|
| 73562 | 1.005 | 940 | 248 | 73563 | 1.006 | 1260 | 329 | 73558 | 0.974 | 81 | 0 |
| 73559 | 0.978 | 402 | -60 | 73555 | 0.000 | 0 | 0 | 73556 | 0.000 | 0 | 0 |
| 73557 | 0.000 | 0 | 0 | 73565 | 0.000 | 0 | 0 | 73566 | 0.000 | 0 | 0 |
| 73567 | 1.053 | 310 | 174* | 73549 | 0.000 | 0 | 0 | 73550 | 1.043 | 72 | 4* |
| 73594 | 1.017 | 90 | 11 | 73595 | 1.017 | 90 | 11 | 73596 | 0.000 | 0 | 0 |
| 73501 | 0.000 | 0 | 0 | 73502 | 0.000 | 0 | 0 | 73503 | 1.024 | 318 | 155* |
| 73588 | 1.041 | 172 | 71 | 73589 | 1.041 | 172 | 71 | 73590 | 1.040 | 196 | 71 |
| 73538 | 0.000 | 0 | 0 | 73652 | 0.987 | 170 | 21 | 73653 | 0.987 | 170 | 21 |
| 73654 | 0.985 | 180 | 21 | 73647 | 0.960 | 170 | 29 | 73648 | 0.980 | 375 | 72 |
| 73570 | 0.000 | 0 | 0 | 73571 | 0.000 | 0 | 0 | 73572 | 0.000 | 0 | 0 |
| 73573 | 0.000 | 0 | 0 | 73553 | 0.000 | 0 | 0 | 73554 | 0.000 | 0 | 0 |
| 73574 | 1.022 | 305 | 60 | 73575 | 1.022 | 305 | 60 | 73651 | 0.971 | 447 | 38 |
| 73551 | 0.979 | 159 | -5 | 73552 | 0.979 | 168 | -5 | | | | |

~~~ME/NH~~~

| #     | V     | MW  | MX  | #     | V     | MW  | MX  | #     | V     | MW  | MX  |
|-------|-------|-----|-----|-------|-------|-----|-----|-------|-------|-----|-----|
| 70060 | 1.037 | 166 | 68* | 70061 | 1.037 | 166 | 68* | 70062 | 1.031 | 191 | 60* |
| 70377 | 1.098 | 50  | 29  | 70378 | 1.099 | 50  | 29  | 70379 | 1.098 | 50  | 29  |
| 70389 | 1.043 | 174 | 96  | 70426 | 0.953 | 15  | 6*  | 70424 | 1.021 | 65  | 32* |
| 70374 | 0.000 | 0   | 0   | 70375 | 0.000 | 0   | 0   | 70376 | 0.000 | 0   | 0   |
| 70425 | 1.000 | 93  | 15* | 70381 | 1.043 | 179 | 56  | 70382 | 1.043 | 93  | 23  |

|       |          |       |     |     |       |          |       |     |      |       |          |       |      |      |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|------|------|
| 70422 | WARRN G1 | 1.024 | 51  | 15* | 70423 | WARRN G2 | 1.042 | 45  | 11*  | 70386 | WBK G1   | 1.043 | 172  | 78   |
| 70387 | WBK G2   | 1.043 | 172 | 78  | 70388 | WBK G3   | 1.043 | 187 | 80   | 70365 | WF WY #1 | 1.010 | 50   | 9    |
| 70366 | WF WY #2 | 1.011 | 50  | 9   | 70367 | WF WY #3 | 1.009 | 125 | 18   | 70368 | WF WY #4 | 1.029 | 600  | 172  |
| 71857 | COMRF G1 | 1.019 | 20  | 2   | 71858 | COMRF G2 | 1.019 | 20  | 2    | 71859 | COMRF G3 | 1.019 | 20   | 2    |
| 71860 | COMRF G4 | 1.019 | 20  | 2   | 71861 | MOORE G1 | 1.008 | 20  | -1   | 71862 | MOORE G2 | 1.011 | 20   | -1   |
| 71863 | MOORE G3 | 1.026 | 20  | 12  | 71864 | MOORE G4 | 1.043 | 20  | 12   | 72868 | NWNGT G1 | 1.001 | 215  | 67   |
| 72702 | CONEDG1  | 1.013 | 178 | 67  | 72703 | CONEDG2  | 1.013 | 178 | 67   | 72704 | CONEDG3  | 1.009 | 205  | 67   |
| 71950 | GRANRDG1 | 1.039 | 250 | 24  | 71951 | GRANRDG2 | 1.095 | 250 | 140* | 72701 | AESSTG   | 1.035 | 250  | 21   |
| 72866 | MERMK G1 | 1.032 | 112 | 22  | 72867 | MERMK G2 | 1.032 | 320 | 63   | 72869 | SBRK G1  | 1.004 | 1314 | 309* |
| 72870 | SCHILLER | 1.023 | 48  | 25* | 72872 | SCHILLER | 1.022 | 48  | 25*  | 72871 | SCHILLER | 1.022 | 50   | 25*  |

~~~NEMA~~~

| # | | V | MW | MX | # | | V | MW | MX | # | | V | MW | MX |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|-----|-------|----------|-------|-----|----|
| 71126 | KEND CT | 0.000 | 0 | 0 | 71067 | MYS8 GTS | 1.020 | 460 | 39 | 71068 | MYS8 ST | 1.026 | 290 | 39 |
| 71069 | MYS9 GTS | 0.997 | 460 | -29 | 71070 | MYS9 ST | 1.051 | 290 | 119 | 71060 | MYST G4 | 0.000 | 0 | 0 |
| 71061 | MYST 5G | 0.991 | 109 | -29 | 71062 | MYST G6 | 0.991 | 136 | -29 | 71063 | MYST G7 | 1.014 | 565 | 39 |
| 71073 | N.BOST 1 | 0.981 | 350 | -48 | 71074 | N.BOST 2 | 0.000 | 0 | 0 | 71946 | SALEM G1 | 1.023 | 79 | 9 |
| 71947 | SALEM G2 | 1.023 | 78 | 9 | 71948 | SALEM G3 | 1.019 | 143 | 19 | 71949 | SALEM G4 | 1.019 | 400 | 56 |
| 72059 | LENERG1 | 1.020 | 50 | 1 | 72060 | LENERG2 | 1.022 | 20 | 0 | | | | | |

~~~SEMA/RI~~~

| #     |          | V     | MW  | MX  | #     |          | V     | MW  | MX   | #     |          | V     | MW  | MX   |
|-------|----------|-------|-----|-----|-------|----------|-------|-----|------|-------|----------|-------|-----|------|
| 71095 | ANPBLCK1 | 1.088 | 290 | 126 | 71096 | ANPBLCK2 | 1.088 | 290 | 126  | 72377 | BELL #1  | 1.046 | 290 | 49   |
| 72378 | BELL #2  | 1.046 | 290 | 49  | 72372 | BP #1 GN | 1.016 | 238 | 72*  | 72375 | BP #2 GN | 1.016 | 241 | 72*  |
| 72370 | BP #3 GN | 1.019 | 489 | 40  | 72371 | BP #4 GN | 0.000 | 0   | 0    | 71531 | OSP1 PF  | 1.003 | 77  | 0    |
| 71532 | OSP2 PF  | 1.003 | 77  | 0   | 71533 | OSP3 PF  | 1.002 | 107 | 0    | 71534 | OSP4 PF  | 1.003 | 77  | 0    |
| 71535 | OSP5 PF  | 0.000 | 0   | 0   | 71536 | OSP6 PF  | 0.000 | 0   | 0    | 71084 | NEA GTPF | 1.051 | 85  | 40*  |
| 71085 | NEA GTPF | 1.051 | 85  | 40* | 71086 | NEA STPF | 1.066 | 80  | 55*  | 72666 | FRSQ SC1 | 0.995 | 43  | -5   |
| 72667 | FRSQ SC2 | 0.994 | 43  | -5  | 72668 | FRSQ SC3 | 0.993 | 42  | -5   | 72661 | MANCH09A | 1.005 | 99  | 21   |
| 72662 | MANCH10A | 1.005 | 99  | 21  | 72663 | MANCH11A | 1.005 | 99  | 21   | 72671 | RISE G1  | 1.040 | 176 | 62   |
| 72672 | RISE G2  | 1.040 | 176 | 62  | 72673 | RISE G3  | 1.039 | 196 | 62   | 72373 | MPLP 1PF | 1.041 | 80  | 39   |
| 72374 | MPLP 2PF | 1.031 | 44  | 27* | 71251 | CANAL G1 | 1.041 | 566 | 239* | 71252 | CANAL G2 | 1.019 | 567 | 120* |
| 71094 | PLGRM G1 | 1.033 | 670 | 112 | 71092 | EDG ST   | 0.000 | 0   | 0    | 71093 | EDG GTS  | 0.000 | 0   | 0    |
| 71522 | SOM G6   | 0.941 | 105 | 0   | 72669 | TIVER G1 | 0.989 | 189 | -2   | 72670 | TIVER G2 | 0.000 | 0   | 0    |
| 71524 | DGHTNPWR | 1.007 | 185 | 39  |       |          |       |     |      |       |          |       |     |      |

|           |    |      |    |     |             |    |     |    |    |            |    |     |    |     |
|-----------|----|------|----|-----|-------------|----|-----|----|----|------------|----|-----|----|-----|
| MILLSTONE | MW | 2200 | MX | 577 | BRPT-ENERGY | MW | 520 | MX | 62 | MIDDLETOWN | MW | 0   | MX | 0   |
| MONTVILLE |    | 483  |    | -60 | NORWALK     |    | 327 |    | -9 | BPTHBR     |    | 545 |    | 100 |
| NHHARBOUR |    | 447  |    | 38  | DEVON       |    | 0   |    | 0  | MERIDEN    |    | 344 |    | 141 |

|                |     |     |                 |      |     |                |      |     |
|----------------|-----|-----|-----------------|------|-----|----------------|------|-----|
| WALLINGFORD    | 180 | 21  | BERKSHIRE       | 280  | 49  | LAKEROAD       | 310  | 174 |
| STONYBROOK     | 412 | 73  | MILLENNIUM      | 273  | 51  | BRAYTONPT      | 968  | 185 |
| HOPE           | 548 | 186 | FRSQ            | 425  | 49  | SOMERSET       | 105  | 0   |
| OSP            | 338 | 0   | NEA             | 249  | 135 | CANAL          | 1133 | 359 |
| PILGRIM        | 670 | 112 | MASSPWRR        | 202  | 81  | ANP-BELLINGHAM | 580  | 99  |
| ANP-BLACKSTONE | 580 | 253 | EMI-TIVERTON    | 189  | -2  | EMI-DIGHTON    | 185  | 39  |
| SITHE-EDGAR    | 0   | 0   | MYSTIC          | 809  | -20 | NEWBOSTON      | 350  | -48 |
| SALEMHBR       | 700 | 94  | SITHE-MYSTIC    | 1500 | 167 | SEABROOK       | 1314 | 309 |
| NEWINGTON      | 215 | 67  | ConEd_Newington | 0    | 0   | SCHILLER       | 145  | 75  |
| MERRIMACK      | 432 | 85  | WYMAN           | 825  | 208 | VTYANKEE       | 667  | 150 |
| BEARSWAMP      | 560 | 135 | NORTHFIELD      | 500  | 160 | ALTRESCO       | 146  | 30  |
| MIS            | 523 | 196 | AEC             | 149  | 86  | RPA            | 272  | 79  |
| WESTBROOK      | 531 | 236 | BUCKSPORT       | 174  | 96  |                |      |     |

INTERFACE FLOWS

|                |       |      |               |      |      |                 |      |      |
|----------------|-------|------|---------------|------|------|-----------------|------|------|
| NB-NE          | 703   | 50   | ORRING-SOUTH  | 157  | 1*   | SUROWIEC-SOUTH  | 858  | -109 |
| MEYANKEE-SOUTH | 790   | -233 | MAINE-NH      | 1604 | -80  | NNE-SCOBIE+394  | 2992 | 212  |
| SEABROOK-SOUTH | 1645  | 212  | NORTH-SOUTH   | 2450 | -148 | CMFD/MOORE-SO   | 25   | 10   |
| SNDYPOND-SOUTH | 2512  | -41  | CONN-IMPORT   | 1659 | -89  | SWCT            | 1568 | 166  |
| NE-NRWLK-STFD  | 775   | -89* | BOSTON IMPORT | 2196 | -377 | SEMA/RI EXPORT  | 1139 | -69  |
| SEMA EXPORT    | -394  | -412 | EAST-WEST     | 2249 | 33   | NY-NE 2200(170) | -847 | -129 |
| NW VT          | 576   | -43  | PLAT PAR      | 141  | -72  | BLISS PAR       | -49  | -1   |
| UPNY-CONED     | 4075  | -63  | CENTRAL_EAST  | 1414 | -95  | CROSS-SOUND     | -346 | 135  |
| CONN-EXPORT    | -1337 | 241  | LI            |      |      |                 |      |      |

HVDC TRANSFERS FROM H-Q

CHAT-1 = 366  
MADAWASK = 0  
EEL = 0

PHII-P1 = 1000

HIGHGATE = 0  
PHII-P2 = 1000

BUS VOLTAGES

| V LMT          |     |      | V LMT           |     |      | V LMT          |                |      |      |
|----------------|-----|------|-----------------|-----|------|----------------|----------------|------|------|
| 70001 CHESTER  | 345 | 343. | 72692 NWGTN345  | 345 | 357. | 72694 SEBRK345 | 345            | 356. |      |
| 71789 TEWKS    | 345 | 357. | 70759 MYSTIC    | 345 | 360. | 71797 MILLBURY | 345            | 353. |      |
| 72925 LUDLOW   | 345 | 349. | 72926 NRTHFLD   | 345 | 352. | 73106 SOUTHGTN | 345            | 354. |      |
| 73108 CARD     | 345 | 354. | 73109 MONTVILE  | 345 | 354. | 73110 MILLSTNE | 345            | 357. |      |
| 73116 MDDLWTWN | 345 | 355. | 71801 BRAYTN P  | 345 | 358. | 71811 KENT CO. | 345            | 353. |      |
| 71326 BRIDGWTR | 345 | 356. | 71336 SHERMAN   | 345 | 356. | 71338 OS POWER | 345            | 356. |      |
| 71337 WFARNUM  | 345 | 355. | 70772 W MEDWAY  | 345 | 356. | 70780 WWALP345 | 345            | 356. |      |
| 70783 PILGRIM  | 345 | 358. | 70773 NEA 336   | 345 | 358. | 71193 CANAL    | 345            | 358. |      |
| 71133 CARVER   | 345 | 357. | 70655 SHELBRENE | 115 | 115. | L              | 70795 FRMNGHAM | 230  | 235. |
| 70793 MDFRM230 | 230 | 239. | 70794 MDWLT230  | 230 | 240. | 70818 MYSTC MA | 115            | 119. |      |
| 71891 SALEM HR | 115 | 119. | 72096 MILLBURY  | 115 | 116. | 126.0 *        | 71377 SOMERSET | 115  | 116. |
| 72277 MIDWEYMT | 115 | 117. | 72259 MINK 183  | 115 | 118. | 72574 WARRN 84 | 115            | 117. |      |
| 72569 FRSQ     | 115 | 119. | 72566 PHILP183  | 115 | 119. | 72553 ADMIRAL3 | 115            | 119. |      |
| 71405 PAWTUCKT | 115 | 113. | 71379 SWANSEA   | 115 | 116. | 72269 WITNPD43 | 115            | 116. |      |

72278 FIELD 1 115 117.  
 72254 DEPOT129 115 117.  
 71403 WFARNUM 115 117.  
 72544 JOHNSTN1 115 119.  
 72565 KENT CO 115 117.  
 72557 DAVIST85 115 115.  
 72538 KENYON 115 114.  
 70487 COOL 345 345 350.

0.0  
 75.6 \*

72266 READ ST 115 115.  
 72255 DEPOT130 115 117.  
 72579 WOLF 171 115 118.  
 72545 JOHNSTN2 115 119.  
 72570 SOCK187 115 115.  
 72559 DAVIS 90 115 116.  
 72581 WOOD RIV 115 114.  
 70520 W RUTLND 115 116.

AREA/ZONE TOTALS  
 ~~~~~

0.0

72267 S WREN29 115 114.
 72582 WOONSCKT 115 117.
 72584 HARTAVE 115 119.
 72560 DRUMROCK 115 116.
 72571 SOCK188 115 115.
 72572 W.KINGST 115 115.
 70512 ESX B-2 115 116.

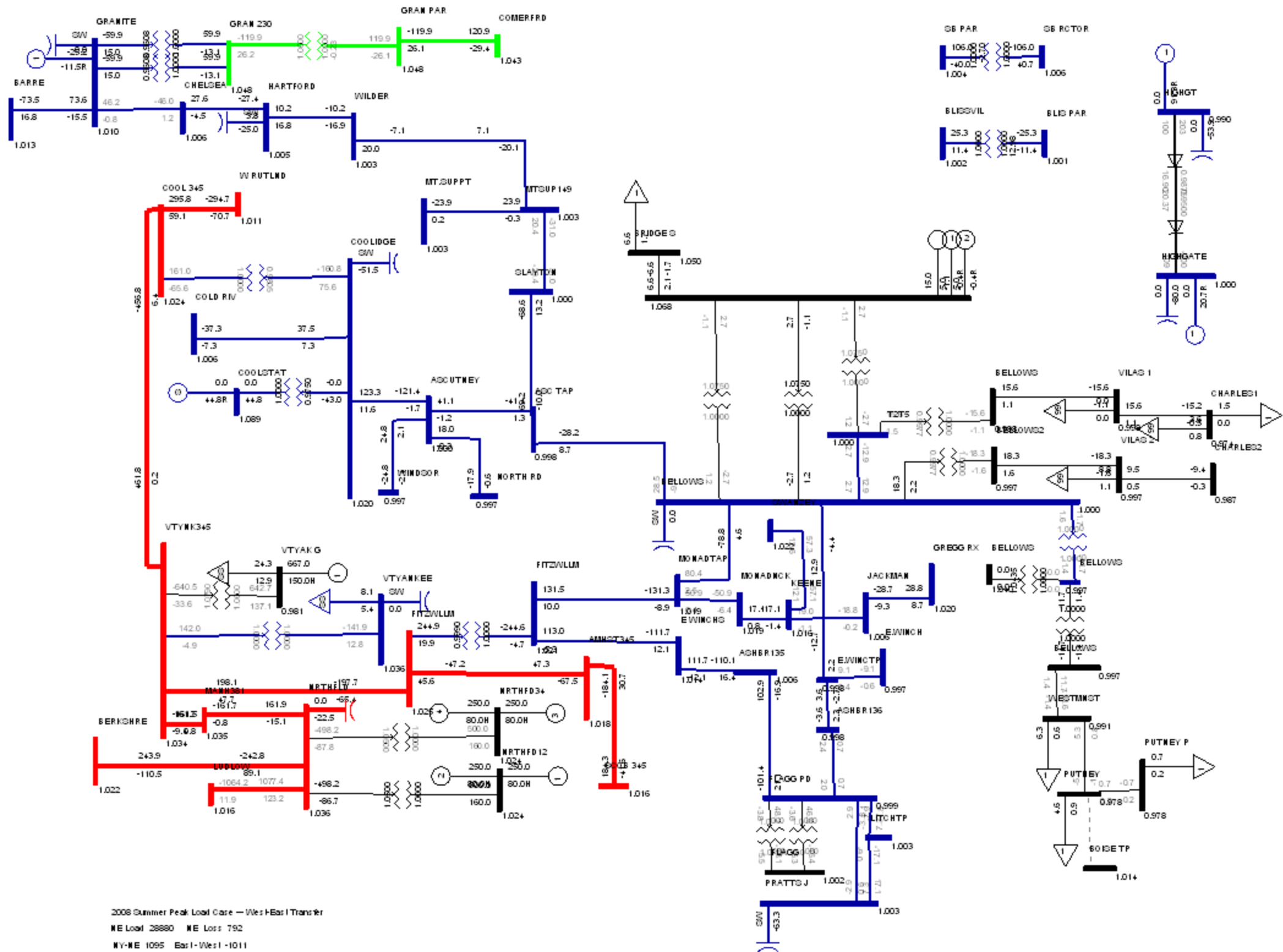
23.4
 25.2 *

NEPOOL_GEN 27786
 NEPOOL_INT -1880

NEPOOL_LOAD 28880

NEPOOL_LOSS 784

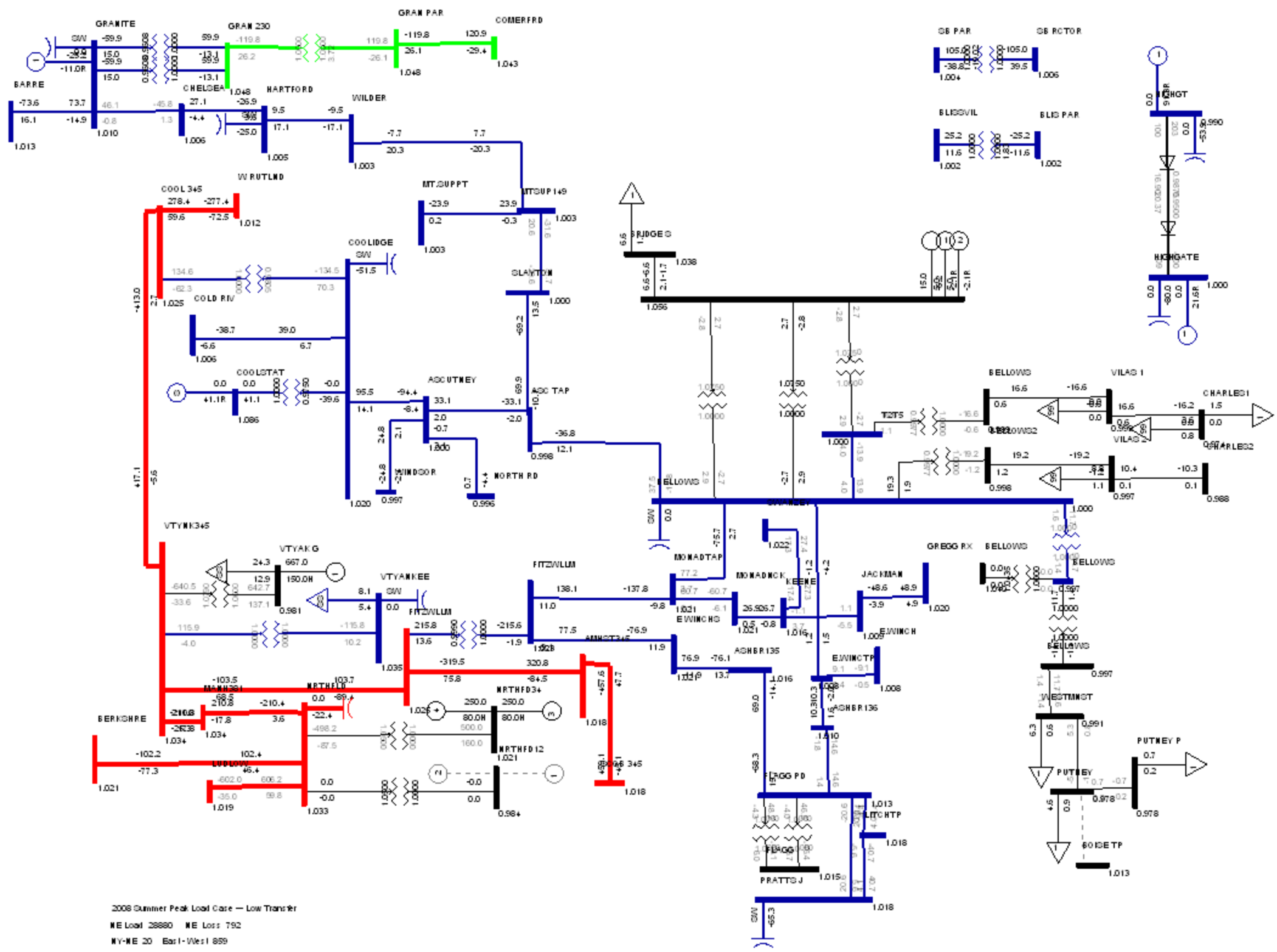
Attachment 5 Case One-Lines



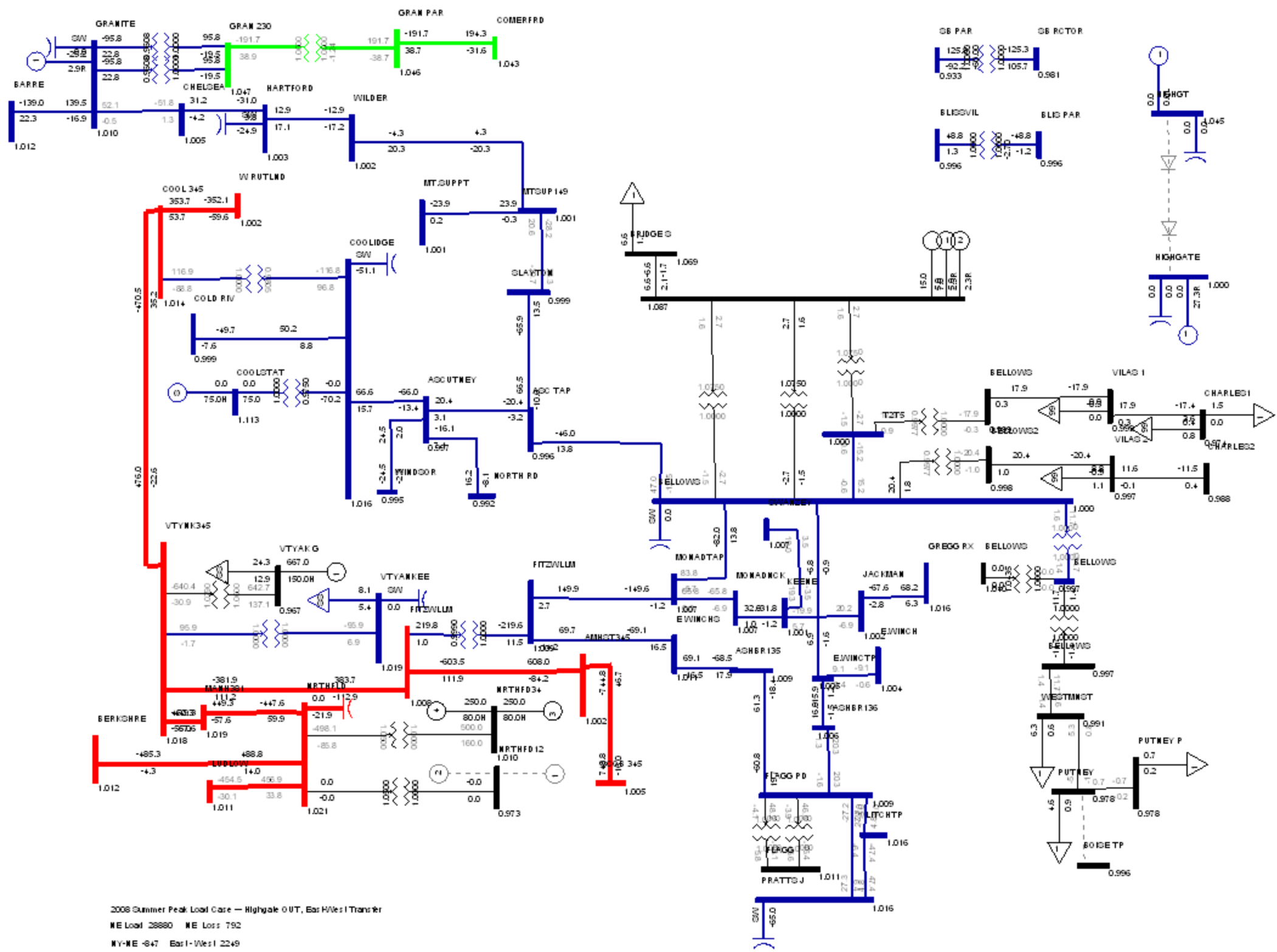
2008 Summer Peak Load Case - West-East Transfer

NE Load 28880 NE Loss 792

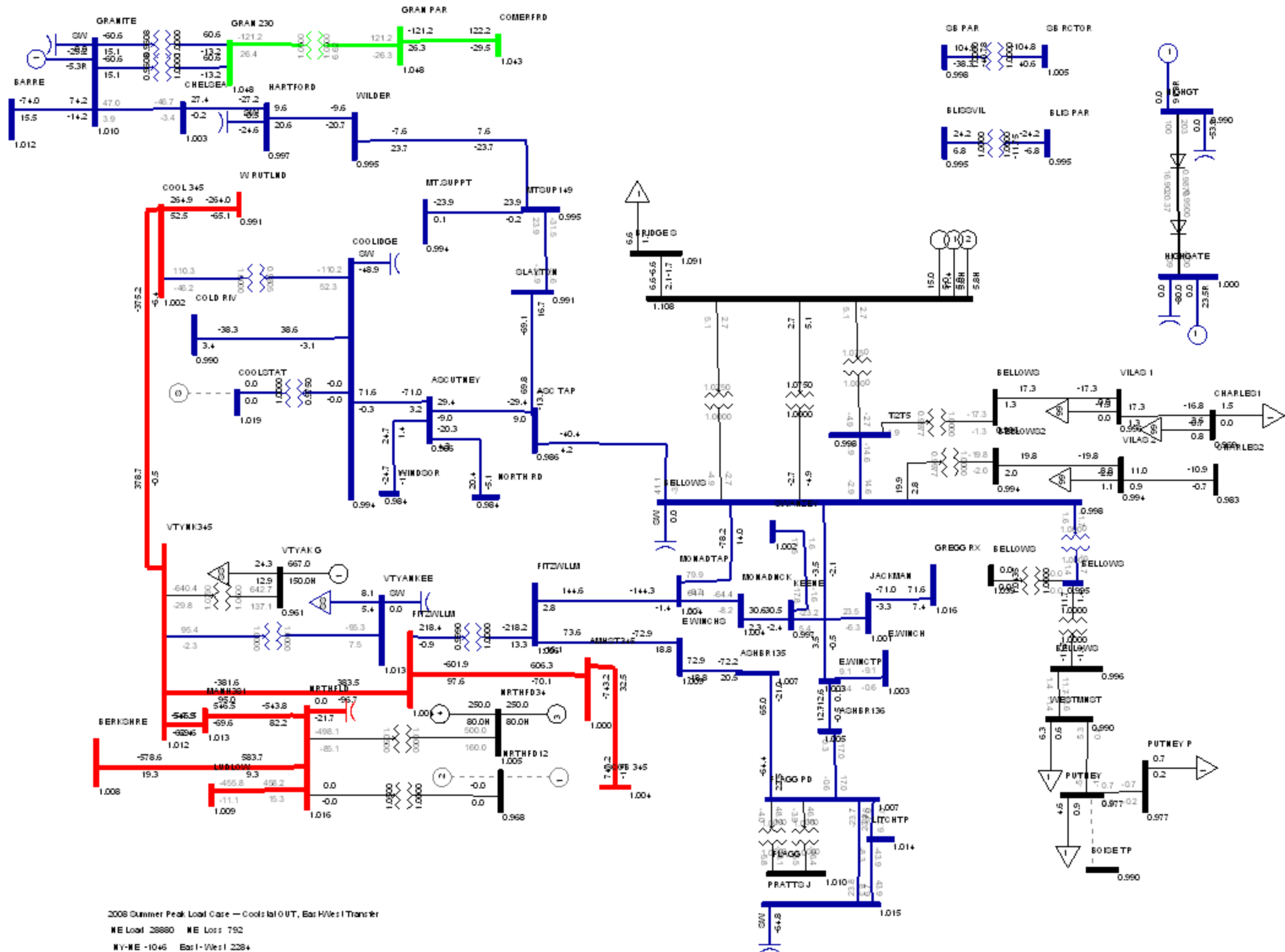
NY-NE 1095 East-West -1011



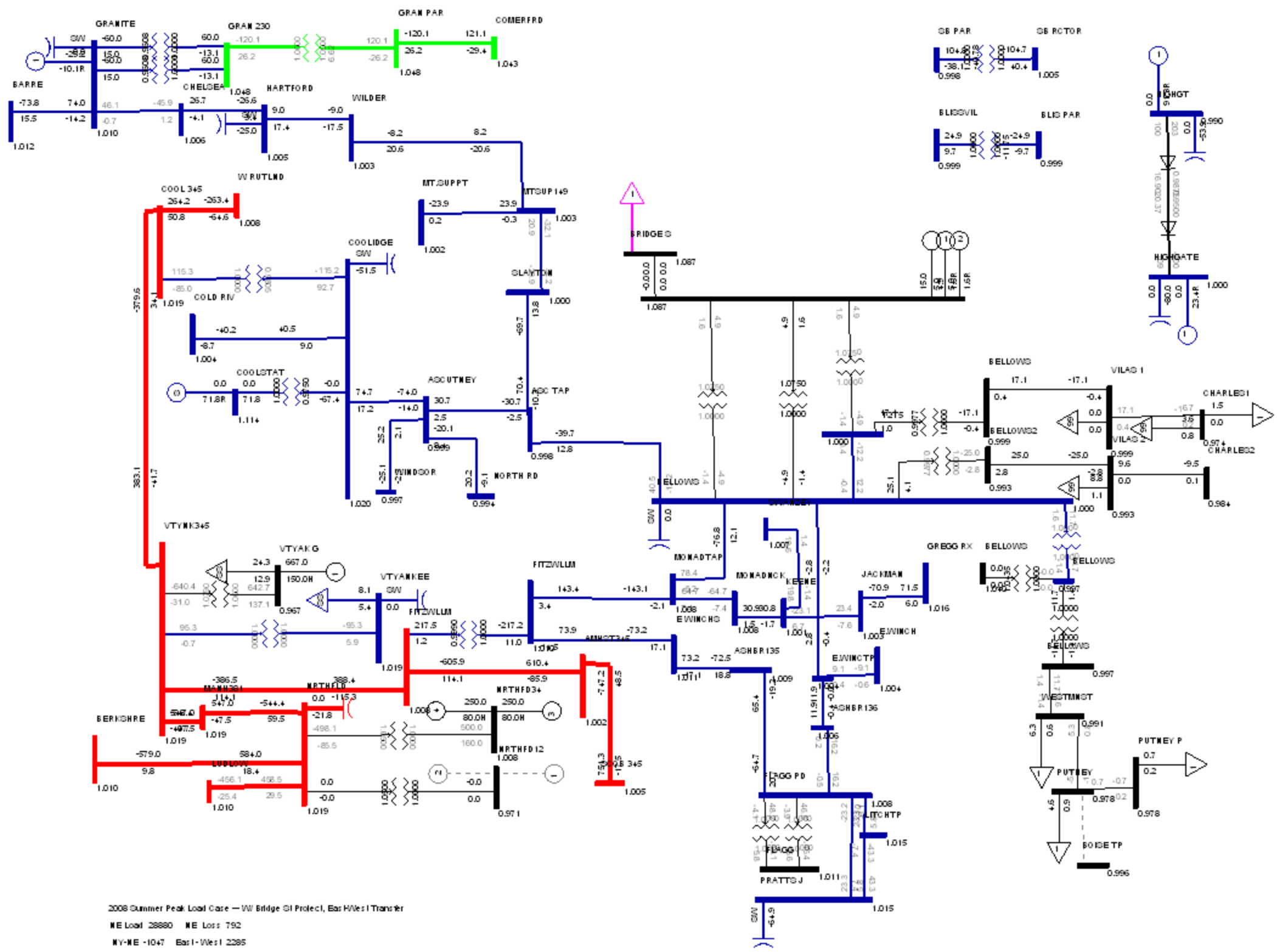
2008 Summer Peak Load Case - Low Transfer
 NE Load 28880 NE Loss 792
 NY-NE 20 East-West 859



2008 Summer Peak Load Case - Highgate OUT, Bar West Transfer
 NE Load 38880 NE Loss 792
 NY-NE -847 Bar West 2249



2008 Summer Peak Load Case - Coolsat OUT, Bar West Transfer
 NE Load 28880 NE Loss 792
 NY-NE-1046 Bar West 2284



2008 Summer Peak Load Case - W/ Bridge 01 Protect, Bar H/West Transfer
 NE Load 28880 NE Loss 792
 NY-NE -1047 Bar H-West 2285

Attachment 6 Contingency Overload Report

Table 6.1 Contingency Overload Report --- East-West Transfer Condition

FROM	TO	ID	Worst Contingency	LTE Rating	MW Flow-before	%-before	MW Flow-after	%-after	MW Delta Flow
70543*WINDSOR 115	70593 WNSDR V446.0	1	K26-1	33	46.1	139.8	45.9	139.1	-0.2
70521*RUTLAND 115	70555 N RUT 4646.0	1	K32	62	77	124.1	77.3	124.7	0.3
70517*ASCUTNEY 115	70600 ASCUT 4646.0	1	Bellows Falls 115kV BF	54	69.6	128.8	60.1	111.4	-9.5
72723*HUDSON 115	72766 SCOBIE1 115	1	379E	240	261.8	111	261.7	111	-0.1
72078*WG TP42 115	72096 MILLBURY 115	1	381	160	174.1	108.5	174	108.5	-0.1
72721*GARVINS 115	72734 MERRMACK 115	1	340	205	225.5	108.6	225.1	108.3	-0.4
70488*CV-Y25 69.0	72410 WIND TAP69.0	1	340	14	15.3	107.9	15.3	107.6	0
72410*WIND TAP69.0	72413 SEARSBUR69.0	1	340	14	15.4	107.9	15.3	107.6	-0.1
72107*E WINCHS 115	72116 ASHBR135 115	1	381	119	129.3	107.5	129.2	107.5	-0.1
72115 MONADTAP 115	72736*MONADNCK 115	1	379W	125	130.5	104.7	130	104.2	-0.5
70490*VERNONRD 115	70504 SBRAT 6969.0	1	340	24	24.9	103.9	24.9	103.9	0
72723*HUDSON 115	72766 SCOBIE1 115	1	379W	240	242.7	102.7	242.7	102.7	0
72143 E.WESTB269.0	72160*PRATTS 269.0	1	BEAR S G2+T1	43	44.5	102.7	44.4	102.6	-0.1

Note: The columns with ‘before’ are values from the case without the Bellows Falls project; the columns with ‘after’ are values from the case with the project.

Table 6.2 Contingency Overload Report --- West-East Transfer Condition

FROM	TO	ID	Worst Contingency	LTE Rating	MW Flow-before	%-before	MW Flow-after	%-after	MW Delta Flow
70543*WINDSOR 115	70593 WNSDR V446.0	1	K26-1	33	45.6	138.2	46	139.3	0.4
72393 BRWAMP 115	72396*E131 TAP 115	1	E-205E	269	352.6	128.5	352.2	128.4	-0.4
70521*RUTLAND 115	70555 N RUT 4646.0	1	K32	62	78.7	127	79.2	127.7	0.5
72115 MONADTAP 115	72736*MONADNCK 115	1	VT YANK T4	125	155	122.3	155	122.4	0
72421 WARE 69.0	72451*PA6-15 69.0	1	BRWMPX	47	53.2	114.8	53.2	114.8	0
72107*E WINCHS 115	72116 ASHBR135 115	1	I135N NORTH	119	138.2	114.2	138.4	114.3	0.2
70517*ASCUTNEY 115	70600 ASCUT 4646.0	1	Bellows Falls 115kV BF	54	68.2	126.3	58.9	109.1	-9.3
72397*HARRIMAN 115	72939 FRENCH K 115	1	E-205E	119	131.6	108.8	131.6	108.8	0
72078*WG TP42 115	72096 MILLBURY 115	1	313	160	172.5	108.7	172.4	108.7	-0.1
72092 FLAGG PD 115	72116*ASHBR135 115	1	I135N NORTH	119	129.7	108.3	129.9	108.4	0.2
72721*GARVINS 115	72734 MERRMACK 115	1	VT YANK79-40	205	224.1	107.7	223.3	107.3	-0.8
72723*HUDSON 115	72766 SCOBIE1 115	1	340	240	252.4	106.4	252.3	106.3	-0.1
72395 DEERFLD4 115	72437*DEERFLD469.0	1	E-205E	139	146.3	105.3	146.2	105.2	-0.1
70490*VERNONRD 115	70504 SBRAT 6969.0	1	VT YANK81-1T	24	24.9	103.9	24.9	103.9	0
72394*CABT JCT 115	72985 FRENCK28 115	1	E-205E	119	123.3	102.9	123.4	102.9	0.1
72392 BARRE128 115	72985*FRENCK28 115	1	E-205E	119	122.2	102.9	122.3	102.9	0.1
72404 WENDEL27 115	72939*FRENCH K 115	1	E-205E	119	116.4	102.9	116.4	102.8	0
70519*MIDDLBRY 115	70567 SEMST 4646.0	1	K26-1	45	46.2	102.7	46	102.2	-0.2

Note: The columns with ‘before’ are values from the case without the Bellows Falls project; the columns with ‘after’ are values from the case with the project.

Table 6.3 Contingency Overload Report --- Low Transfer Condition

FROM	TO	ID	Worst Contingency	LTE Rating	FLOW-before	%-before	FLOW-after	%-after	Delta Flow
70543*WINDSOR 115	70593 WNDSR V446.0	1	K26-1	33	45.7	138.3	45.9	139	0.2
70521*RUTLAND 115	70555 N RUT 4646.0	1	K32	62	77.8	125.6	78.1	126	0.3
72115 MONADTAP 115	72736*MONADNCK 115	1	VT YANK 381	125	154	121.4	154	121.6	0
70619 POLE 17046.0	71779*CHARLES146.0	1	K31	12	13	111.3	13.6	117.3	0.6
70543*WINDSOR 115	70593 WNDSR V446.0	1	ASCUTNEYX	33	40	121.2	38.6	116.9	-1.4
72393 BRSWAMP 115	72396*E131 TAP 115	1	E-205E	269	313.5	113.8	313.5	113.8	0
70543*WINDSOR 115	70593 WNDSR V446.0	1	W139 BRK	33	38.1	115.3	37.2	112.6	-0.9
70517*ASCUTNEY 115	70600 ASCUT 4646.0	1	W139 BRK	54	68.7	127.3	59.5	110.2	-9.2
72721*GARVINS 115	72734 MERRMACK 115	1	340	205	226.5	108.8	226.3	108.7	-0.2
70490*VERNONRD 115	70504 SBRAT 6969.0	1	BASE CASE	24	24.9	103.8	24.9	103.8	0
70519*MIDDLBRY 115	70567 SEMST 4646.0	1	K26-1	45	45.8	101.8	45.8	101.9	0
72723*HUDSON 115	72766 SCOBIE1 115	1	379E	240	238.5	100.5	238.5	100.5	0

Note: The columns with 'before' are values from the case without the Bellows Falls project; the columns with 'after' are values from the case with the project.

Table 6.4 Contingency Overload Report --- Bridge St. Project, East-West Transfer

From	To	ID	Worst Contingency	% loading	% loading-BR
70488*CV-Y25 69.0	72410 WIND TAP69.0	1	VT YANK79-40	107.6	108.6
70490*VERNONRD 115	70504 SBRAT 6969.0	1	VT YANK 379	104	104
72078*WG TP42 115	72096 MILLBURY 115	1	381	108.4	108.5
72092 FLAGG PD 115	72116*ASHBR135 115	1	381	101.3	101.7
72107*E WINCHS 115	72116 ASHBR135 115	1	381	107.1	107.5
72115 MONADTAP 115	72736*MONADNCK 115	1	VT YANK 381	123.3	123.6
72143 E.WESTB269.0	72160*PRATTS 269.0	1	BRSWMPX	104.1	102.6
72393 BRSWAMP 115	72396*E131 TAP 115	1	VT YANK 381	101.8	
72410*WIND TAP69.0	72413 SEARSBUR69.0	1	VT YANK79-40	107.6	108.6
72721*GARVINS 115	72734 MERRMACK 115	1	VT YANK79-40	110	109.7
72723*HUDSON 115	72766 SCOBIE1 115	1	379E	111.1	111

Note: The columns labeled '-BR' are values in the case with the Bridge St. project. Both cases include the Bellows Falls Project.

Attachment 7 Contingency Voltage Report

Table 7.1 Contingency Voltage Report --- East-West Transfer Condition

Violation	Contingency	Bus	Bus Name	V-CONT before	V-CONT after	V-INIT	VMAX	VMIN	Delta V
RANGE	F162	72725	JACKMAN 115	0.9376	0.9373	1.0028	1.05	0.95	-0.0003
DEVIATION	F162	72725	JACKMAN 115	0.9376	0.9373	1.0028	0.05	0.05	-0.0003
RANGE	350	70656	NEW HAVN 345	0.9399	0.9395	0.9965	1.05	0.95	-0.0004
DEVIATION	350	70656	NEW HAVN 345	0.9399	0.9395	0.9965	0.05	0.05	-0.0004
RANGE	350	70657	W RUTLND 345	0.9422	0.9417	1.008	1.05	0.95	-0.0005
DEVIATION	350	70657	W RUTLND 345	0.9422	0.9417	1.008	0.05	0.05	-0.0005
DEVIATION	VT YANK 379	70533	BOISECAS69.0	0.942	0.9432	0.9957	0.05	0.05	0.0012
DEVIATION	350	70544	FLORENCE 115	0.9436	0.9432	1.0051	0.05	0.05	-0.0004
DEVIATION	VT YANK 379	70531	BOISE TP69.0	0.9424	0.9436	0.996	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70534	BRUDS RD69.0	0.9426	0.9438	0.9963	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70536	MOORE TP69.0	0.9426	0.9438	0.9962	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70530	NBRAT TP69.0	0.9427	0.9439	0.9963	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70535	MOORE 69.0	0.9427	0.9439	0.9963	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70537	BRD.RD.T69.0	0.9427	0.9439	0.9963	0.05	0.05	0.0012
DEVIATION	340	70649	BLIS PAR 115	0.9467	0.9466	0.9989	0.05	0.05	-1E-04
DEVIATION	350	70520	W RUTLND 115	0.9476	0.9471	1.0101	0.05	0.05	-0.0005
DEVIATION	340	70525	BLISSVIL 115	0.948	0.9478	0.9994	0.05	0.05	-0.0002
RANGE	340	70656	NEW HAVN 345	0.9488	0.9486	0.9965	1.05	0.95	-0.0002
DEVIATION	350	70519	MIDDLBRY 115	0.9494	0.949	1.003	0.05	0.05	-0.0004
DEVIATION	VT YANK 379	70505	SBRAT TP69.0	0.9481	0.9493	1.0015	0.05	0.05	0.0012
DEVIATION	350	70521	RUTLAND 115	0.9515	0.9509	1.0071	0.05	0.05	-0.0006
DEVIATION	VT YANK 379	70504	SBRAT 6969.0	0.95	0.9512	1.0033	0.05	0.05	0.0012
DEVIATION	340	70544	FLORENCE 115	0.952	0.9518	1.0051	0.05	0.05	-0.0002
DEVIATION	340	70657	W RUTLND 345	0.9525	0.9524	1.008	0.05	0.05	-1E-04
DEVIATION	340	70487	COOL 345 345	0.954	0.9539	1.0191	0.05	0.05	-1E-04
DEVIATION	340	70520	W RUTLND 115	0.956	0.9558	1.0101	0.05	0.05	-0.0002
DEVIATION	350	70518	NEW HAVN 115	0.9577	0.9574	1.0081	0.05	0.05	-0.0003
DEVIATION	VT YANK 379	70490	VERNONRD 115	0.9619	0.9631	1.0144	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70523	VTYANKEE 115	0.9664	0.9676	1.0194	0.05	0.05	0.0012
DEVIATION	VT YANK 379	70506	V.RD.TAP 115	0.9669	0.9681	1.0197	0.05	0.05	0.0012
DEVIATION	VT YANK 379	72717	CHSNT HL 115	0.9696	0.9708	1.0218	0.05	0.05	0.0012
RANGE	F206	70496	GRAN 230 230	1.0512	1.0512	1.0482	1.05	0.95	0

Note: The columns with ‘before’ are values from the case without the Bellows Falls project; the columns with ‘after’ are values from the case with the project.

Table 7.2 Contingency Voltage Report --- West-East Transfer Condition

Violation	Contingency	Bus	Bus Name	V-CONT before	V-CONT after	V-INIT	VMAX	VMIN	Delta V
DEVIATION	340	70649	BLIS PAR 115	0.9356	0.9361	1.0009	0.05	0.05	0.0005
RANGE	350	70656	NEW HAVN 345	0.9369	0.9367	0.9991	1.05	0.95	-0.0002
DEVIATION	350	70656	NEW HAVN 345	0.9369	0.9367	0.9991	0.05	0.05	-0.0002
DEVIATION	340	70525	BLISSVIL 115	0.9373	0.9378	1.0015	0.05	0.05	0.0005
RANGE	350	70657	W RUTLND 345	0.9389	0.9386	1.0114	1.05	0.95	-0.0003
DEVIATION	350	70657	W RUTLND 345	0.9389	0.9386	1.0114	0.05	0.05	-0.0003

DEVIATION	350	70544	FLORENCE 115	0.94	0.9398	1.008	0.05	0.05	-0.0002
DEVIATION	VT YANK 1T	70649	BLIS PAR 115	0.9413	0.9425	1.0009	0.05	0.05	0.0012
DEVIATION	350	70520	W RUTLND 115	0.9439	0.9436	1.0132	0.05	0.05	-0.0003
RANGE	340	70656	NEW HAVN 345	0.9438	0.9439	0.9991	1.05	0.95	1E-04
DEVIATION	340	70656	NEW HAVN 345	0.9438	0.9439	0.9991	0.05	0.05	1E-04
DEVIATION	VT YANK 1T	70525	BLISSVIL 115	0.9438	0.945	1.0015	0.05	0.05	0.0012
DEVIATION	340	70544	FLORENCE 115	0.9458	0.946	1.008	0.05	0.05	0.0002
DEVIATION	VT YANK79-40	70649	BLIS PAR 115	0.9454	0.9462	1.0009	0.05	0.05	0.0008
DEVIATION	350	70519	MIDDLBRY 115	0.9465	0.9463	1.0054	0.05	0.05	-0.0002
RANGE	340	70657	W RUTLND 345	0.9469	0.947	1.0114	1.05	0.95	1E-04
DEVIATION	340	70657	W RUTLND 345	0.9469	0.947	1.0114	0.05	0.05	1E-04
DEVIATION	350	70525	BLISSVIL 115	0.9471	0.9471	1.0015	0.05	0.05	0
DEVIATION	350	70649	BLIS PAR 115	0.9472	0.9472	1.0009	0.05	0.05	0
DEVIATION	350	70521	RUTLAND 115	0.9479	0.9476	1.0097	0.05	0.05	-0.0003
RANGE	340	70487	COOL 345 345	0.9483	0.9485	1.0239	1.05	0.95	0.0002
DEVIATION	340	70487	COOL 345 345	0.9483	0.9485	1.0239	0.05	0.05	0.0002
DEVIATION	VT YANK79-40	70525	BLISSVIL 115	0.9477	0.9485	1.0015	0.05	0.05	0.0008
DEVIATION	340	70520	W RUTLND 115	0.9496	0.9497	1.0132	0.05	0.05	1E-04
DEVIATION	340	70519	MIDDLBRY 115	0.9522	0.9523	1.0054	0.05	0.05	1E-04
DEVIATION	350	70545	COLD RIV 115	0.9537	0.9533	1.0059	0.05	0.05	-0.0004
DEVIATION	350	70518	NEW HAVN 115	0.9552	0.955	1.0104	0.05	0.05	-0.0002
DEVIATION	340	70521	RUTLAND 115	0.9554	0.9554	1.0097	0.05	0.05	0
RANGE	F206	70496	GRAN 230 230	1.0512	1.0512	1.0482	1.05	0.95	0
DEVIATION	F162	72725	JACKMAN 115		0.9552	1.006	0.05	0.05	0.9552

Note: The columns with ‘before’ are values from the case without the Bellows Falls project; the columns with ‘after’ are values from the case with the project.

Table 7.3 Contingency Voltage Report --- Low Transfer Condition

Violation	Contingency	Bus	Bus Name	V-CONT before	V-CONT after	V-INIT	VMAX	VMIN	Delta V
RANGE	350	70656	NEW HAVN 345	0.9389	0.9385	1.0002	1.05	0.95	-0.0004
DEVIATION	350	70656	NEW HAVN 345	0.9389	0.9385	1.0002	0.05	0.05	-0.0004
RANGE	350	70657	W RUTLND 345	0.9411	0.9406	1.0125	1.05	0.95	-0.0005
DEVIATION	350	70657	W RUTLND 345	0.9411	0.9406	1.0125	0.05	0.05	-0.0005
DEVIATION	350	70544	FLORENCE 115	0.9424	0.9419	1.0089	0.05	0.05	-0.0005
DEVIATION	340	70649	BLIS PAR 115	0.9432	0.9432	1.0015	0.05	0.05	0
DEVIATION	340	70525	BLISSVIL 115	0.9446	0.9445	1.0022	0.05	0.05	-1E-04
DEVIATION	350	70520	W RUTLND 115	0.9463	0.9458	1.014	0.05	0.05	-0.0005
RANGE	340	70656	NEW HAVN 345	0.9473	0.9472	1.0002	1.05	0.95	-1E-04
DEVIATION	340	70656	NEW HAVN 345	0.9473	0.9472	1.0002	0.05	0.05	-1E-04
DEVIATION	350	70519	MIDDLBRY 115	0.9485	0.948	1.0063	0.05	0.05	-0.0005
DEVIATION	350	70525	BLISSVIL 115	0.9499	0.9495	1.0022	0.05	0.05	-0.0004
DEVIATION	350	70649	BLIS PAR 115	0.95	0.9496	1.0015	0.05	0.05	-0.0004
DEVIATION	350	70521	RUTLAND 115	0.9503	0.9497	1.0103	0.05	0.05	-0.0006
DEVIATION	340	70544	FLORENCE 115	0.9502	0.9501	1.0089	0.05	0.05	-0.0001
DEVIATION	340	70657	W RUTLND 345	0.9509	0.9508	1.0125	0.05	0.05	-1E-04
DEVIATION	340	70487	COOL 345 345	0.9524	0.9522	1.0248	0.05	0.05	-0.0002
DEVIATION	340	70520	W RUTLND 115	0.9541	0.9539	1.014	0.05	0.05	-0.0002

DEVIATION	350	70545	COLD RIV 115	0.9559	0.9553	1.0063	0.05	0.05	-0.0006
DEVIATION	340	70519	MIDDLBRY 115	0.9556	0.9555	1.0063	0.05	0.05	-1E-04
DEVIATION	350	70518	NEW HAVN 115	0.9569	0.9565	1.0113	0.05	0.05	-0.0004
DEVIATION	F162	72725	JACKMAN 115	0.9584	0.9566	1.0091	0.05	0.05	-0.0018
DEVIATION	340	70521	RUTLAND 115	0.9592	0.959	1.0103	0.05	0.05	-0.0002
RANGE	K26-1	70516	CHELSEA 115	0.7581	0.7562	1.0056	1.05	0.92	-0.0019
DEVIATION	K26-1	70516	CHELSEA 115	0.7581	0.7562	1.0056	0.05	0.05	-0.0019
RANGE	K32	70545	COLD RIV 115	0.8898	0.888	1.0063	1.05	0.92	-0.0018
DEVIATION	K32	70545	COLD RIV 115	0.8898	0.888	1.0063	0.05	0.05	-0.0018

Note: The columns with ‘before’ are values from the case without the Bellows Falls project; the columns with ‘after’ are values from the case with the project.

Table 7.4 Voltage Performance Comparason with/without Coolidge Var Device

--- East-West Tranfer Condition

Violation	Contingency	Bus	Bus Name	V-CONT with Var	V-CONT w/o Var	V-INIT	VMAX	VMIN
RANGE	340	70487	COOL 345 345		0.9215	1.002	1.05	0.95
RANGE	VT YANK79-40	70543	WINDSOR 115	0.9373	0.9184	0.9838	1.05	0.92
DEVIATION	VT YANK79-40	70543	WINDSOR 115	0.9373	0.9184	0.9838	0.05	0.05
RANGE	340	70656	NEW HAVN 345	0.9486	0.9197	0.9808	1.05	0.95
DEVIATION	340	70656	NEW HAVN 345		0.9197	0.9808	0.05	0.05
RANGE	340	70657	W RUTLND 345	0.9417	0.9201	0.9906	1.05	0.95
DEVIATION	340	70657	W RUTLND 345	0.9417	0.9201	0.9906	0.05	0.05
DEVIATION	VT YANK79-40	70517	ASCUTNEY 115		0.9203	0.986	0.05	0.05
DEVIATION	VT YANK 1T	70545	COLD RIV 115		0.9207	0.9903	0.05	0.05
DEVIATION	340	70487	COOL 345 345	0.9539	0.9215	1.002	0.05	0.05
DEVIATION	VT YANK79-40	70545	COLD RIV 115		0.922	0.9903	0.05	0.05
RANGE	350	70656	NEW HAVN 345	0.9395	0.9227	0.9808	1.05	0.95
DEVIATION	350	70656	NEW HAVN 345	0.9395	0.9227	0.9808	0.05	0.05
RANGE	350	70657	W RUTLND 345		0.9231	0.9906	1.05	0.95
DEVIATION	350	70657	W RUTLND 345		0.9231	0.9906	0.05	0.05
DEVIATION	VT YANK79-40	70524	COOLIDGE 115		0.9236	0.9939	0.05	0.05
DEVIATION	VT YANK 1T	70524	COOLIDGE 115		0.9252	0.9939	0.05	0.05
DEVIATION	VT YANK 1T	70543	WINDSOR 115		0.9259	0.9838	0.05	0.05
RANGE	VT YANK 1T	70656	NEW HAVN 345		0.927	0.9808	1.05	0.95
DEVIATION	VT YANK 1T	70656	NEW HAVN 345		0.927	0.9808	0.05	0.05
RANGE	VT YANK79-40	72737	NORTH RD 115		0.927	0.9845	1.05	0.95
DEVIATION	VT YANK79-40	72737	NORTH RD 115		0.927	0.9845	0.05	0.05
DEVIATION	VT YANK 1T	70517	ASCUTNEY 115		0.9277	0.986	0.05	0.05
DEVIATION	K26-1	70543	WINDSOR 115		0.928	0.9838	0.05	0.05
DEVIATION	VT YANK 1T	70649	BLIS PAR 115		0.9282	0.9947	0.05	0.05
DEVIATION	VT YANK 1T	70521	RUTLAND 115		0.9284	0.9973	0.05	0.05
DEVIATION	340	70545	COLD RIV 115		0.9286	0.9903	0.05	0.05
DEVIATION	340	70649	BLIS PAR 115	0.9466	0.9287	0.9947	0.05	0.05
DEVIATION	340	70544	FLORENCE 115	0.9518	0.9288	0.9986	0.05	0.05
RANGE	VT YANK79-40	70656	NEW HAVN 345		0.9289	0.9808	1.05	0.95
DEVIATION	VT YANK79-40	70656	NEW HAVN 345		0.9289	0.9808	0.05	0.05
RANGE	VT YANK 1T	70657	W RUTLND 345		0.9289	0.9906	1.05	0.95
DEVIATION	VT YANK 1T	70657	W RUTLND 345		0.9289	0.9906	0.05	0.05
DEVIATION	VT YANK 1T	70525	BLISSVIL 115		0.9294	0.9951	0.05	0.05
DEVIATION	340	70525	BLISSVIL 115	0.9478	0.9295	0.9951	0.05	0.05
DEVIATION	340	70521	RUTLAND 115		0.9298	0.9973	0.05	0.05

RANGE	VT YANK79-40	70657	W RUTLND 345		0.9306	0.9906	1.05	0.95
DEVIATION	VT YANK79-40	70657	W RUTLND 345		0.9306	0.9906	0.05	0.05
DEVIATION	VT YANK79-40	70521	RUTLAND 115		0.9307	0.9973	0.05	0.05
RANGE	F162	72725	JACKMAN 115	0.9373	0.9321	1.0008	1.05	0.95
DEVIATION	F162	72725	JACKMAN 115	0.9373	0.9321	1.0008	0.05	0.05
DEVIATION	340	70520	W RUTLND 115	0.9558	0.9326	1.004	0.05	0.05
DEVIATION	VT YANK 1T	70544	FLORENCE 115		0.9338	0.9986	0.05	0.05
RANGE	VT YANK 1T	72737	NORTH RD 115		0.9339	0.9845	1.05	0.95
DEVIATION	VT YANK 1T	72737	NORTH RD 115		0.9339	0.9845	0.05	0.05
DEVIATION	350	70544	FLORENCE 115	0.9432	0.9346	0.9986	0.05	0.05
RANGE	VT YANK 1T	70487	COOL 345 345		0.9352	1.002	1.05	0.95
DEVIATION	VT YANK 1T	70487	COOL 345 345		0.9352	1.002	0.05	0.05
DEVIATION	340	70519	MIDDLBRY 115		0.9354	0.9954	0.05	0.05
RANGE	VT YANK79-40	70487	COOL 345 345		0.9359	1.002	1.05	0.95
DEVIATION	VT YANK79-40	70487	COOL 345 345		0.9359	1.002	0.05	0.05
DEVIATION	VT YANK79-40	70544	FLORENCE 115		0.9369	0.9986	0.05	0.05
DEVIATION	VT YANK 1T	70520	W RUTLND 115		0.9374	1.004	0.05	0.05
DEVIATION	VT YANK79-40	70649	BLIS PAR 115		0.9374	0.9947	0.05	0.05
DEVIATION	VT YANK79-40	70525	BLISSVIL 115		0.938	0.9951	0.05	0.05
DEVIATION	350	70520	W RUTLND 115	0.9471	0.9388	1.004	0.05	0.05
DEVIATION	350	70521	RUTLAND 115	0.9509	0.9389	0.9973	0.05	0.05
DEVIATION	350	70519	MIDDLBRY 115	0.949	0.9398	0.9954	0.05	0.05
DEVIATION	VT YANK79-40	70520	W RUTLND 115		0.9407	1.004	0.05	0.05
DEVIATION	VT YANK 1T	70519	MIDDLBRY 115		0.9412	0.9954	0.05	0.05
DEVIATION	VT YANK79-40	70519	MIDDLBRY 115		0.9434	0.9954	0.05	0.05
DEVIATION	350	70525	BLISSVIL 115		0.9444	0.9951	0.05	0.05
DEVIATION	340	70518	NEW HAVN 115		0.9447	1.0002	0.05	0.05
RANGE	340	72737	NORTH RD 115		0.9465	0.9845	1.05	0.95
DEVIATION	350	70518	NEW HAVN 115	0.9574	0.9482	1.0002	0.05	0.05

Note: Both cases with and without Coolidge var device have the Bellows Falls project in service. The empty cells in the column 'V-CONT with var' have normal voltages and are not reported.