

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 10/03/2013 17:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | -0.09 |
| 10/03/2013 18:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | -0.11 |
| 10/03/2013 20:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | -0.65 |
| 10/03/2013 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 54.06 |
| 10/03/2013 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 69.21 |
| 10/03/2013 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 57.66 |
| 10/03/2013 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 102.77 |
| 10/03/2013 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 64.91 |
| 10/03/2013 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 57.23 |
| 10/03/2013 06:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 40.88 |
| 10/03/2013 07:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 39.02 |
| 10/03/2013 08:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 36.65 |
| 10/03/2013 09:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 40.76 |
| 10/03/2013 10:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 24.62 |
| 10/03/2013 11:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 21.01 |
| 10/03/2013 12:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 23.36 |
| 10/03/2013 13:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 19.51 |
| 10/03/2013 14:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 17.08 |
| 10/03/2013 15:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 12.77 |
| 10/03/2013 16:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 9.02 |
| 10/03/2013 17:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 14.54 |
| 10/03/2013 18:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 24.91 |
| 10/03/2013 19:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 16.16 |
| 10/03/2013 20:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 104.89 |
| 10/03/2013 21:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 77.42 |
| 10/03/2013 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 63.51 |
| 10/03/2013 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 55.63 |
| 10/03/2013 14:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 10/03/2013 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 10/03/2013 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 10/03/2013 19:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.1 |
| 10/03/2013 12:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.09 |
| 10/03/2013 17:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.72 |
| 10/03/2013 19:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.08 |
| 10/03/2013 21:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 5.54 |
| 10/03/2013 00:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.99 |
| 10/03/2013 01:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.43 |
| 10/03/2013 02:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.07 |
| 10/03/2013 03:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 2.28 |
| 10/03/2013 05:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.37 |
| 10/03/2013 07:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.33 |
| 10/03/2013 08:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.72 |
| 10/03/2013 09:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.05 |
| 10/03/2013 10:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 3.57 |
| 10/03/2013 11:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 5.5 |
| 10/03/2013 12:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 3.61 |
| 10/03/2013 13:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 8.74 |
| 10/03/2013 14:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 10.95 |
| 10/03/2013 15:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 13.64 |
| 10/03/2013 16:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 16.97 |
| 10/03/2013 17:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 16.27 |
| 10/03/2013 18:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 10.19 |
| 10/03/2013 19:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 10.38 |
| 10/03/2013 20:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 5.07 |
| 10/03/2013 21:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 2.85 |
| 10/03/2013 22:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.79 |
| 10/03/2013 23:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.55 |
| 10/03/2013 03:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | BASE CASE | 2.18 |
| 10/03/2013 23:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | BASE CASE | 2.78 |
| 10/03/2013 08:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.61 |

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| 10/03/2013 10:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.88 |
| 10/03/2013 11:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 4.24 |
| 10/03/2013 12:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3 |
| 10/03/2013 13:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 6.16 |
| 10/03/2013 14:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 7.52 |
| 10/03/2013 15:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 9.45 |
| 10/03/2013 16:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 11.66 |
| 10/03/2013 17:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 10.89 |
| 10/03/2013 18:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 6.69 |
| 10/03/2013 19:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 7.41 |
| 10/03/2013 05:00 | EDT | HQTL ACTIVE DNI | 980 | ACTIVE DNI | 1.08 |
| 10/03/2013 07:00 | EDT | NEAC ACTIVE DNI | 992 | ACTIVE DNI | 0.28 |
| 10/03/2013 02:00 | EDT | NYCA ACTIVE DNI | 990 | ACTIVE DNI | -0.71 |
| 10/03/2013 05:00 | EDT | NYCA ACTIVE DNI | 990 | ACTIVE DNI | 1.76 |
| 10/03/2013 06:00 | EDT | NYCA ACTIVE DNI | 990 | ACTIVE DNI | 4.79 |
| 10/03/2013 07:00 | EDT | NYCA ACTIVE DNI | 990 | ACTIVE DNI | 1.03 |
| 10/03/2013 01:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | NEPTUNE HVDC TIE LINE | 0.77 |
| 10/03/2013 06:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | NEPTUNE HVDC TIE LINE | 1.63 |
| 10/03/2013 09:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 1.93 |
| 10/03/2013 10:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 9.86 |
| 10/03/2013 11:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 14.5 |
| 10/03/2013 12:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 2.79 |
| 10/03/2013 13:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 17.73 |
| 10/03/2013 14:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 4.21 |
| 10/03/2013 07:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.06 |
| 10/03/2013 08:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.04 |
| 10/03/2013 09:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.08 |
| 10/03/2013 12:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 13:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.03 |
| 10/03/2013 14:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 15:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.03 |
| 10/03/2013 16:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.03 |
| 10/03/2013 17:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 18:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 19:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.03 |
| 10/03/2013 20:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 21:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SCB:SPBK(RNS2):Y49 & M29 | 0.02 |
| 10/03/2013 07:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 08:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -2.01 |
| 10/03/2013 09:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.96 |
| 10/03/2013 10:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -1.12 |
| 10/03/2013 11:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -1.64 |
| 10/03/2013 12:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.33 |
| 10/03/2013 13:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -2 |
| 10/03/2013 14:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -15.28 |
| 10/03/2013 15:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 16:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -18.32 |
| 10/03/2013 17:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -11.44 |
| 10/03/2013 18:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 19:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 20:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 21:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.02 |
| 10/03/2013 00:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 7.18 |
| 10/03/2013 01:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 7.9 |
| 10/03/2013 02:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 7.68 |
| 10/03/2013 03:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 9.99 |
| 10/03/2013 04:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 8.62 |
| 10/03/2013 05:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 7.6 |
| 10/03/2013 06:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 2.7 |
| 10/03/2013 07:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 5.14 |
| 10/03/2013 08:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 5.87 |
| 10/03/2013 09:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 5.35 |
| 10/03/2013 10:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 8.11 |
| 10/03/2013 11:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 9.9 |
| 10/03/2013 12:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 8.14 |
| 10/03/2013 13:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 12.92 |
| 10/03/2013 14:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 14.88 |

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| 10/03/2013 15:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 17.53 |
| 10/03/2013 16:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 20.73 |
| 10/03/2013 17:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 20.19 |
| 10/03/2013 18:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 14.52 |
| 10/03/2013 19:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 14.56 |
| 10/03/2013 20:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 13.94 |
| 10/03/2013 21:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 10.28 |
| 10/03/2013 22:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 8.46 |
| 10/03/2013 23:00 | EDT | SHORE_RD 345 SHORE_RD 138 1 | 25439 | SPRNBK-EGRDNCTR-Y49 | 2.72 |
| 10/03/2013 10:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22& 21& A2253 | -0.04 |
| 10/03/2013 11:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22& 21& A2253 | -0.09 |
| 10/03/2013 18:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22& 21& A2253 | -0.9 |
| 10/03/2013 20:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22& 21& A2253 | -4.98 |
| 10/03/2013 21:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22& 21& A2253 | -15.53 |
| 10/03/2013 08:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 8.95 |
| 10/03/2013 09:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 3.24 |