

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 02/14/2017 09:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 1.34 |
| 02/14/2017 10:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 3.37 |
| 02/14/2017 11:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 1.84 |
| 02/14/2017 12:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 1.25 |
| 02/14/2017 13:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 0.36 |
| 02/14/2017 16:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 0.2 |
| 02/14/2017 17:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 3.51 |
| 02/14/2017 18:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 2.83 |
| 02/14/2017 19:00 | EST | SCH - PJ - NY | 23316 | BASE CASE | 2.38 |
| 02/14/2017 06:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 1.3 |
| 02/14/2017 13:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 0.87 |
| 02/14/2017 00:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 7.61 |
| 02/14/2017 01:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 7.61 |
| 02/14/2017 02:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 6.39 |
| 02/14/2017 03:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 4.29 |
| 02/14/2017 04:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 3.89 |
| 02/14/2017 05:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.04 |
| 02/14/2017 07:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 3.82 |
| 02/14/2017 08:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.12 |
| 02/14/2017 09:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.3 |
| 02/14/2017 10:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 3.53 |
| 02/14/2017 11:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 3.53 |
| 02/14/2017 12:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.3 |
| 02/14/2017 13:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 0.75 |
| 02/14/2017 14:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.12 |
| 02/14/2017 15:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 0.18 |
| 02/14/2017 17:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 2.37 |
| 02/14/2017 18:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 0.18 |
| 02/14/2017 22:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 0.36 |
| 02/14/2017 23:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 12.47 |
| 02/14/2017 08:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 09:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 10:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 11:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 12:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 13:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 14:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 15:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 16:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 17:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 18:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 19:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 20:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 02/14/2017 08:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 09:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 10:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 11:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 12:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 13:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 14:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 15:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 16:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 17:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 18:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 19:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 20:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 02/14/2017 08:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 09:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 10:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 11:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 12:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 13:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 14:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |

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|------------------|-----|-----------------------------|-------|-------------------------------|-------|
| 02/14/2017 15:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 16:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 18:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 02/14/2017 00:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.27 |
| 02/14/2017 01:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.33 |
| 02/14/2017 02:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.08 |
| 02/14/2017 04:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.38 |
| 02/14/2017 05:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.13 |
| 02/14/2017 10:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 2.13 |
| 02/14/2017 18:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 7.72 |
| 02/14/2017 19:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 2.32 |
| 02/14/2017 23:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.85 |
| 02/14/2017 06:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 2.6 |
| 02/14/2017 07:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 2.38 |
| 02/14/2017 08:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 0.09 |
| 02/14/2017 09:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 0.41 |
| 02/14/2017 11:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 1.69 |
| 02/14/2017 12:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 1.99 |
| 02/14/2017 13:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 3.17 |
| 02/14/2017 14:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 2.31 |
| 02/14/2017 15:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 2.48 |
| 02/14/2017 16:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 1.87 |
| 02/14/2017 20:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 2.47 |
| 02/14/2017 21:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 3.1 |
| 02/14/2017 22:00 | EST | EGRDNCTY 138 NEWBRDGE 138 1 | 25303 | NEPTUNE HVDC TIE LINE | 0.97 |
| 02/14/2017 00:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 14.84 |
| 02/14/2017 01:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 15.52 |
| 02/14/2017 02:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 1.05 |
| 02/14/2017 03:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.09 |
| 02/14/2017 04:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 16.14 |
| 02/14/2017 05:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 13.2 |
| 02/14/2017 06:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 7.19 |
| 02/14/2017 07:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 6.59 |
| 02/14/2017 08:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.33 |
| 02/14/2017 09:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 1.21 |
| 02/14/2017 10:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 34.84 |
| 02/14/2017 11:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 4.7 |
| 02/14/2017 12:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 5.54 |
| 02/14/2017 13:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 8.75 |
| 02/14/2017 14:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 6.41 |
| 02/14/2017 15:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 6.88 |
| 02/14/2017 16:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 5.19 |
| 02/14/2017 17:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 1.6 |
| 02/14/2017 18:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 89.97 |
| 02/14/2017 19:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 54.43 |
| 02/14/2017 20:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 16.6 |
| 02/14/2017 21:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 8.56 |
| 02/14/2017 22:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 10.35 |
| 02/14/2017 23:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 9.94 |
| 02/14/2017 06:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.86 |
| 02/14/2017 07:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.27 |
| 02/14/2017 08:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.13 |
| 02/14/2017 09:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.95 |
| 02/14/2017 10:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.27 |
| 02/14/2017 11:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.22 |
| 02/14/2017 12:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.0 |
| 02/14/2017 13:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.26 |
| 02/14/2017 14:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.2 |
| 02/14/2017 15:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.27 |
| 02/14/2017 16:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.52 |
| 02/14/2017 17:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.38 |
| 02/14/2017 19:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.2 |
| 02/14/2017 20:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.98 |
| 02/14/2017 21:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.9 |
| 02/14/2017 22:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.44 |