

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-----------------------|----------------------|
| 12/08/2017 05:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 0.49 |
| 12/08/2017 06:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 1.63 |
| 12/08/2017 07:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 3.48 |
| 12/08/2017 08:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 2.77 |
| 12/08/2017 09:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 5.54 |
| 12/08/2017 10:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 3.13 |
| 12/08/2017 11:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 0.94 |
| 12/08/2017 12:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 1.18 |
| 12/08/2017 13:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 3.24 |
| 12/08/2017 14:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 2.85 |
| 12/08/2017 15:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 0.96 |
| 12/08/2017 16:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 8.34 |
| 12/08/2017 17:00 | EST | SCH - OH - NY | 23317 | BASE CASE | 5.47 |
| 12/08/2017 06:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -2.08 |
| 12/08/2017 07:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -0.02 |
| 12/08/2017 08:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -1.37 |
| 12/08/2017 09:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -1.16 |
| 12/08/2017 10:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -2.79 |
| 12/08/2017 11:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -2.06 |
| 12/08/2017 12:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -2.25 |
| 12/08/2017 13:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -1.2 |
| 12/08/2017 14:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -3.55 |
| 12/08/2017 15:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -4.61 |
| 12/08/2017 16:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -14.86 |
| 12/08/2017 17:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -10.33 |
| 12/08/2017 18:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -12.33 |
| 12/08/2017 19:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -8.52 |
| 12/08/2017 20:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -7.58 |
| 12/08/2017 21:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -4.14 |
| 12/08/2017 05:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 2.37 |
| 12/08/2017 06:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 5.12 |
| 12/08/2017 07:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 6.49 |
| 12/08/2017 08:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 5.84 |
| 12/08/2017 09:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 24.21 |
| 12/08/2017 10:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 6.13 |
| 12/08/2017 13:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 18.99 |
| 12/08/2017 14:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 18.53 |
| 12/08/2017 15:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 18.53 |
| 12/08/2017 16:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 27.3 |
| 12/08/2017 19:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 3.14 |
| 12/08/2017 00:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 40.37 |
| 12/08/2017 01:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 31.86 |
| 12/08/2017 02:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 33.23 |
| 12/08/2017 03:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 29.21 |
| 12/08/2017 04:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 25.52 |
| 12/08/2017 05:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 15.38 |
| 12/08/2017 22:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 7.04 |
| 12/08/2017 23:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 16.4 |
| 12/08/2017 00:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 3.52 |
| 12/08/2017 01:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.15 |
| 12/08/2017 02:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.44 |
| 12/08/2017 04:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.48 |
| 12/08/2017 05:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 2.92 |
| 12/08/2017 06:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 5.96 |
| 12/08/2017 07:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 4.61 |
| 12/08/2017 08:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 5.82 |
| 12/08/2017 09:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 7.46 |
| 12/08/2017 10:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 10.96 |
| 12/08/2017 11:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 7.11 |
| 12/08/2017 12:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 7.91 |
| 12/08/2017 13:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 8.73 |
| 12/08/2017 14:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 11.48 |
| 12/08/2017 15:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 13.34 |

| | | | | | |
|------------------|-----|-----------------------------|-------|----------------------------|-------|
| 12/08/2017 16:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 12.73 |
| 12/08/2017 17:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 7.49 |
| 12/08/2017 18:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 15.37 |
| 12/08/2017 19:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 13.78 |
| 12/08/2017 20:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 14.01 |
| 12/08/2017 21:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 19.21 |
| 12/08/2017 22:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 9.22 |
| 12/08/2017 23:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 6.54 |
| 12/08/2017 00:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 10.8 |
| 12/08/2017 05:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 13.12 |
| 12/08/2017 06:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.9 |
| 12/08/2017 07:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.95 |
| 12/08/2017 08:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 1.66 |
| 12/08/2017 09:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 1.78 |
| 12/08/2017 11:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.72 |
| 12/08/2017 12:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 3.74 |
| 12/08/2017 13:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.8 |
| 12/08/2017 22:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 3.03 |
| 12/08/2017 23:00 | EST | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.05 |