

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 06/08/2016 08:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.4 |
| 06/08/2016 09:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.82 |
| 06/08/2016 10:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.14 |
| 06/08/2016 11:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.33 |
| 06/08/2016 12:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.31 |
| 06/08/2016 13:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.0 |
| 06/08/2016 18:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.05 |
| 06/08/2016 19:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.72 |
| 06/08/2016 20:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.51 |
| 06/08/2016 21:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 5.94 |
| 06/08/2016 22:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.89 |
| 06/08/2016 00:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.47 |
| 06/08/2016 08:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.35 |
| 06/08/2016 09:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.37 |
| 06/08/2016 10:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 1.5 |
| 06/08/2016 11:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.91 |
| 06/08/2016 21:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 1.44 |
| 06/08/2016 22:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 2.31 |
| 06/08/2016 23:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.88 |
| 06/08/2016 00:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 10.23 |
| 06/08/2016 01:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 12.45 |
| 06/08/2016 02:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 8.16 |
| 06/08/2016 03:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 6.74 |
| 06/08/2016 04:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 4.4 |
| 06/08/2016 05:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.69 |
| 06/08/2016 06:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 9.62 |
| 06/08/2016 07:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 8.63 |
| 06/08/2016 08:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.92 |
| 06/08/2016 09:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 8.95 |
| 06/08/2016 10:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 7.82 |
| 06/08/2016 11:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 7.78 |
| 06/08/2016 12:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 9.68 |
| 06/08/2016 13:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 5.71 |
| 06/08/2016 14:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 7.29 |
| 06/08/2016 15:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 10.47 |
| 06/08/2016 16:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 11.98 |
| 06/08/2016 17:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 10.55 |
| 06/08/2016 18:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 6.86 |
| 06/08/2016 19:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 4.25 |
| 06/08/2016 20:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 5.44 |
| 06/08/2016 21:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.1 |
| 06/08/2016 22:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 5.96 |
| 06/08/2016 23:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 4.72 |
| 06/08/2016 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.57 |
| 06/08/2016 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.05 |
| 06/08/2016 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 2.15 |
| 06/08/2016 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.26 |
| 06/08/2016 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.43 |
| 06/08/2016 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.98 |
| 06/08/2016 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 3.41 |
| 06/08/2016 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 2.43 |
| 06/08/2016 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 4.16 |
| 06/08/2016 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 6.15 |
| 06/08/2016 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 3.56 |
| 06/08/2016 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 3.75 |
| 06/08/2016 11:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 2.03 |
| 06/08/2016 12:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 6.72 |
| 06/08/2016 13:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 16.85 |
| 06/08/2016 14:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 21.19 |
| 06/08/2016 16:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 18.75 |
| 06/08/2016 17:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 6.43 |
| 06/08/2016 18:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 0.62 |
| 06/08/2016 19:00 | EDT | COOPERS 345 MIDDLETP 345 1 | 25110 | BASE CASE | 10.06 |

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|------------------|-----|-----------------------------|--------|-------------------------------|--------|
| 06/08/2016 00:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/08/2016 01:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/08/2016 02:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/08/2016 05:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/08/2016 06:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/08/2016 22:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/08/2016 18:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.77 |
| 06/08/2016 19:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.92 |
| 06/08/2016 20:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.99 |
| 06/08/2016 21:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 4.31 |
| 06/08/2016 22:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 2.96 |
| 06/08/2016 23:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.58 |
| 06/08/2016 15:00 | EDT | PLSNTVLY 345 LEEDS 345 1 | 25056 | ATHENS__-PLSNTVLY_345_91 | -28.47 |
| 06/08/2016 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.35 |
| 06/08/2016 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.07 |
| 06/08/2016 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.14 |
| 06/08/2016 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.04 |
| 06/08/2016 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.33 |
| 06/08/2016 17:00 | EDT | CHASLAKE 230 PORTER 230 1 | 25051 | SIN:MSU1&7040& HQ GN&LD PROXY | 3.34 |
| 06/08/2016 11:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -9.79 |
| 06/08/2016 12:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -0.52 |
| 06/08/2016 10:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -1.71 |
| 06/08/2016 13:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -3.0 |
| 06/08/2016 14:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -1.43 |
| 06/08/2016 07:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 8.27 |
| 06/08/2016 08:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 19.73 |
| 06/08/2016 10:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 16.36 |
| 06/08/2016 11:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 42.96 |
| 06/08/2016 12:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 13.41 |
| 06/08/2016 13:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 14.17 |
| 06/08/2016 14:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 9.85 |
| 06/08/2016 16:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 8.68 |
| 06/08/2016 17:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 24.11 |
| 06/08/2016 18:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 14.14 |
| 06/08/2016 15:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78 | -16.04 |
| 06/08/2016 16:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78 | -17.62 |
| 06/08/2016 09:00 | EDT | DUNWODIE 345 PLSNTVLE 345 1 | 25250 | TWR:PV F30&F31&W80&W81&BK1 | -1.36 |