

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------------|----------------------|
| 06/14/2016 00:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 18.81 |
| 06/14/2016 01:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 16.58 |
| 06/14/2016 02:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 11.46 |
| 06/14/2016 03:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 8.15 |
| 06/14/2016 04:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 7.58 |
| 06/14/2016 05:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 9.87 |
| 06/14/2016 06:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.04 |
| 06/14/2016 07:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.71 |
| 06/14/2016 10:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.65 |
| 06/14/2016 12:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 1.64 |
| 06/14/2016 13:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.07 |
| 06/14/2016 14:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.41 |
| 06/14/2016 15:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.82 |
| 06/14/2016 16:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.49 |
| 06/14/2016 17:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.04 |
| 06/14/2016 19:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 1.3 |
| 06/14/2016 21:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 1.89 |
| 06/14/2016 22:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.64 |
| 06/14/2016 23:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 9.98 |
| 06/14/2016 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.86 |
| 06/14/2016 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.53 |
| 06/14/2016 18:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | 0.68 |
| 06/14/2016 00:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 01:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 02:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 03:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 04:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 18:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 1.36 |
| 06/14/2016 22:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 23:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 06/14/2016 07:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 08:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 09:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 10:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 11:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 12:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 13:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 14:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 06/14/2016 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 06/14/2016 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.46 |
| 06/14/2016 16:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.02 |
| 06/14/2016 11:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -7.84 |
| 06/14/2016 12:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -15.24 |
| 06/14/2016 13:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -13.17 |
| 06/14/2016 14:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -5.57 |
| 06/14/2016 15:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -10.51 |
| 06/14/2016 16:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -11.3 |
| 06/14/2016 17:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -4.4 |
| 06/14/2016 18:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -5.32 |
| 06/14/2016 19:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -3.29 |
| 06/14/2016 21:00 | EDT | LEEDS 345 N.SCTLND 345 1 | 25171 | N.SCTLND-LEEDS ___345_94 | -0.37 |
| 06/14/2016 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 0.43 |
| 06/14/2016 06:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 4.07 |
| 06/14/2016 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 2.25 |
| 06/14/2016 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.66 |
| 06/14/2016 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE | 1.12 |
| 06/14/2016 13:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -5.95 |
| 06/14/2016 14:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -10.5 |
| 06/14/2016 16:00 | EDT | ADIRNDCK 230 MOSES 230 2 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -3.78 |
| 06/14/2016 14:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.02 |
| 06/14/2016 15:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.02 |
| 06/14/2016 17:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.02 |

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|------------------|-----|---------------------------|-------|-----------------------|-------|
| 06/14/2016 18:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 3.38 |
| 06/14/2016 19:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.05 |
| 06/14/2016 20:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.05 |
| 06/14/2016 18:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 3.37 |
| 06/14/2016 19:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.03 |
| 06/14/2016 20:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.03 |
| 06/14/2016 09:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 10:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 11:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 12:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 13:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 14:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 15:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 17:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 18:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -5.39 |
| 06/14/2016 19:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.08 |
| 06/14/2016 20:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.08 |
| 06/14/2016 21:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.02 |
| 06/14/2016 07:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 8.12 |
| 06/14/2016 08:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 37.3 |
| 06/14/2016 09:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 49.76 |
| 06/14/2016 10:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 56.89 |
| 06/14/2016 11:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 59.06 |
| 06/14/2016 12:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 58.26 |
| 06/14/2016 13:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 58.73 |
| 06/14/2016 14:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 62.96 |
| 06/14/2016 15:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 63.16 |
| 06/14/2016 16:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 68.6 |
| 06/14/2016 17:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 63.93 |
| 06/14/2016 18:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 25.17 |
| 06/14/2016 19:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 11.84 |
| 06/14/2016 20:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.07 |
| 06/14/2016 21:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.44 |