

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|----------------------------|----------------------|
| 08/11/2015 00:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.66 |
| 08/11/2015 01:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.33 |
| 08/11/2015 02:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.29 |
| 08/11/2015 03:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.02 |
| 08/11/2015 04:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.16 |
| 08/11/2015 05:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.74 |
| 08/11/2015 10:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.12 |
| 08/11/2015 11:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.24 |
| 08/11/2015 12:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.58 |
| 08/11/2015 13:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.18 |
| 08/11/2015 14:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.26 |
| 08/11/2015 15:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.61 |
| 08/11/2015 16:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.75 |
| 08/11/2015 17:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.63 |
| 08/11/2015 18:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.84 |
| 08/11/2015 19:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.05 |
| 08/11/2015 20:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.99 |
| 08/11/2015 21:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.07 |
| 08/11/2015 22:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.45 |
| 08/11/2015 23:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.3 |
| 08/11/2015 08:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | 0.02 |
| 08/11/2015 09:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | 0.1 |
| 08/11/2015 22:00 | EDT | E179THST 138 HELLTP_W 138 1 | 25288 | BASE CASE | 0.54 |
| 08/11/2015 00:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 01:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 08:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 09:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.18 |
| 08/11/2015 19:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 21:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 22:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 1.11 |
| 08/11/2015 23:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 08/11/2015 05:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 08/11/2015 08:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 08/11/2015 09:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.07 |
| 08/11/2015 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 3.07 |
| 08/11/2015 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 2.95 |
| 08/11/2015 17:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 3.82 |
| 08/11/2015 22:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.28 |
| 08/11/2015 16:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.78 |
| 08/11/2015 17:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.23 |
| 08/11/2015 19:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 2.32 |
| 08/11/2015 20:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.52 |
| 08/11/2015 21:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.62 |
| 08/11/2015 22:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.47 |
| 08/11/2015 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | FREEPORT-NEWBRIDGE_138_461 | 0.4 |
| 08/11/2015 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | FREEPORT-NEWBRIDGE_138_461 | 2.92 |
| 08/11/2015 14:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 27.65 |
| 08/11/2015 15:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 56.46 |
| 08/11/2015 16:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 54.79 |
| 08/11/2015 17:00 | EDT | PACKARD 230 SAWYER 230 1 | 25195 | PACKARD_-SAWYER_230_77 | 14.89 |
| 08/11/2015 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 1.38 |
| 08/11/2015 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.75 |
| 08/11/2015 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.67 |
| 08/11/2015 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.12 |
| 08/11/2015 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.41 |
| 08/11/2015 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 3.59 |
| 08/11/2015 10:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 0.27 |
| 08/11/2015 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 0.51 |
| 08/11/2015 12:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 1.21 |
| 08/11/2015 13:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.44 |
| 08/11/2015 14:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.61 |
| 08/11/2015 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 1.27 |
| 08/11/2015 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 3.62 |

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|------------------|-----|-----------------------------|-------|--------------------------|--------|
| 08/11/2015 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 3.37 |
| 08/11/2015 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 3.81 |
| 08/11/2015 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 4.22 |
| 08/11/2015 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 4.11 |
| 08/11/2015 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 2.21 |
| 08/11/2015 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 3.07 |
| 08/11/2015 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29 | 1.11 |
| 08/11/2015 09:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.5 |
| 08/11/2015 11:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.05 |
| 08/11/2015 12:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.05 |
| 08/11/2015 13:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 7.38 |
| 08/11/2015 14:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 6.0 |
| 08/11/2015 18:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 9.11 |
| 08/11/2015 19:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 3.74 |
| 08/11/2015 20:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 3.65 |
| 08/11/2015 21:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 4.16 |
| 08/11/2015 22:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 5.49 |
| 08/11/2015 23:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25214 | TWR:GOETHALS 22 & 21 | 0.07 |
| 08/11/2015 08:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.02 |
| 08/11/2015 09:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.5 |
| 08/11/2015 11:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.05 |
| 08/11/2015 12:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.05 |
| 08/11/2015 13:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 7.94 |
| 08/11/2015 14:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 6.46 |
| 08/11/2015 15:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 5.81 |
| 08/11/2015 16:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 5.6 |
| 08/11/2015 17:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 7.24 |
| 08/11/2015 18:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 9.81 |
| 08/11/2015 19:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 4.01 |
| 08/11/2015 20:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 3.92 |
| 08/11/2015 21:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 4.45 |
| 08/11/2015 22:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 5.49 |
| 08/11/2015 23:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.07 |
| 08/11/2015 09:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.79 |
| 08/11/2015 11:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.08 |
| 08/11/2015 12:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.08 |
| 08/11/2015 13:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -15.84 |
| 08/11/2015 14:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -12.88 |
| 08/11/2015 15:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -11.59 |
| 08/11/2015 16:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -11.17 |
| 08/11/2015 17:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -14.44 |
| 08/11/2015 18:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -19.58 |
| 08/11/2015 19:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -7.97 |
| 08/11/2015 20:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -7.81 |
| 08/11/2015 21:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -8.86 |
| 08/11/2015 22:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -9.83 |
| 08/11/2015 23:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.14 |