

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency             | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------|----------------------|
| 08/09/2016 08:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.09                 |
| 08/09/2016 09:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.51                 |
| 08/09/2016 10:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 1.37                 |
| 08/09/2016 11:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 3.14                 |
| 08/09/2016 12:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 2.43                 |
| 08/09/2016 13:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 5.91                 |
| 08/09/2016 14:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 3.99                 |
| 08/09/2016 15:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 4.41                 |
| 08/09/2016 16:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 3.78                 |
| 08/09/2016 17:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 4.41                 |
| 08/09/2016 18:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 2.5                  |
| 08/09/2016 19:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.85                 |
| 08/09/2016 20:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.23                 |
| 08/09/2016 21:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.45                 |
| 08/09/2016 22:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 0.37                 |
| 08/09/2016 23:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | 1.12                 |
| 08/09/2016 10:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE               | 0.02                 |
| 08/09/2016 22:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE               | 3.36                 |
| 08/09/2016 23:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE               | 0.95                 |
| 08/09/2016 00:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 01:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 02:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 07:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 10:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 21:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 08/09/2016 22:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 6.77                 |
| 08/09/2016 23:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 1.92                 |
| 08/09/2016 07:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 08/09/2016 09:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 1.28                 |
| 08/09/2016 10:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.04                 |
| 08/09/2016 11:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.06                 |
| 08/09/2016 12:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.06                 |
| 08/09/2016 13:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 19.61                |
| 08/09/2016 14:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 13.96                |
| 08/09/2016 15:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 1.29                 |
| 08/09/2016 16:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 08/09/2016 17:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.79                 |
| 08/09/2016 18:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 11.58                |
| 08/09/2016 19:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 23.89                |
| 08/09/2016 20:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 25.83                |
| 08/09/2016 21:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 28.72                |
| 08/09/2016 22:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 21.4                 |
| 08/09/2016 23:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 3.34                 |
| 08/09/2016 13:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -19.51               |
| 08/09/2016 14:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -13.88               |
| 08/09/2016 15:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -1.26                |
| 08/09/2016 17:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -0.77                |
| 08/09/2016 19:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -22.78               |
| 08/09/2016 20:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -22.37               |
| 08/09/2016 21:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE               | -17.05               |
| 08/09/2016 23:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 0.08                 |
| 08/09/2016 23:00 | EDT       | PLSNTVLY 345 LEEDS 345 1    | 25056         | ATHENS_-PLSNTVLY_345_91 | -6.88                |
| 08/09/2016 00:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 6.47                 |
| 08/09/2016 01:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 2.59                 |
| 08/09/2016 02:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 1.8                  |
| 08/09/2016 03:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 2.21                 |
| 08/09/2016 04:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 2.81                 |
| 08/09/2016 05:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 2.08                 |
| 08/09/2016 06:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 4.29                 |
| 08/09/2016 07:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 3.55                 |
| 08/09/2016 08:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 5.28                 |
| 08/09/2016 09:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 6.05                 |
| 08/09/2016 10:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | NEPTUNE HVDC TIE LINE   | 0.52                 |

|                  |     |                             |       |                               |         |
|------------------|-----|-----------------------------|-------|-------------------------------|---------|
| 08/09/2016 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 4.72    |
| 08/09/2016 12:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 10.49   |
| 08/09/2016 13:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 11.79   |
| 08/09/2016 14:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 11.71   |
| 08/09/2016 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 44.78   |
| 08/09/2016 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 42.49   |
| 08/09/2016 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 33.12   |
| 08/09/2016 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 8.86    |
| 08/09/2016 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 7.16    |
| 08/09/2016 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 9.05    |
| 08/09/2016 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 3.56    |
| 08/09/2016 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 5.28    |
| 08/09/2016 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE         | 3.88    |
| 08/09/2016 12:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -4.79   |
| 08/09/2016 13:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -7.95   |
| 08/09/2016 14:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -4.29   |
| 08/09/2016 15:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -45.5   |
| 08/09/2016 16:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -43.69  |
| 08/09/2016 17:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -35.19  |
| 08/09/2016 18:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -6.97   |
| 08/09/2016 19:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -7.13   |
| 08/09/2016 20:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -6.71   |
| 08/09/2016 21:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25544 | NRTHPORT-ELWOOD__138_678      | -0.61   |
| 08/09/2016 11:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 0.02    |
| 08/09/2016 12:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 8.66    |
| 08/09/2016 13:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 14.38   |
| 08/09/2016 14:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 7.76    |
| 08/09/2016 15:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 82.18   |
| 08/09/2016 16:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 78.92   |
| 08/09/2016 17:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 63.57   |
| 08/09/2016 18:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 12.6    |
| 08/09/2016 19:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 12.89   |
| 08/09/2016 20:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 12.13   |
| 08/09/2016 21:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308 | NRTHPORT-PILGRIM__138_679     | 1.12    |
| 08/09/2016 18:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | SCB:GOWANUS(22):42231&G27&BEC | -11.52  |
| 08/09/2016 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 0.09    |
| 08/09/2016 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 16.99   |
| 08/09/2016 07:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 0.02    |
| 08/09/2016 09:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 2.41    |
| 08/09/2016 23:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 4.74    |
| 08/09/2016 09:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -4.81   |
| 08/09/2016 11:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -0.08   |
| 08/09/2016 12:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -0.08   |
| 08/09/2016 19:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -1.79   |
| 08/09/2016 20:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -6.07   |
| 08/09/2016 21:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -20.95  |
| 08/09/2016 22:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -26.5   |
| 08/09/2016 23:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -7.57   |
| 08/09/2016 16:00 | EDT | NIAGARA 230 PACKARD 230 2   | 25220 | TWR:NIAGARA 61 & 64           | 9.03    |
| 08/09/2016 10:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 1.09    |
| 08/09/2016 11:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 4.41    |
| 08/09/2016 12:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 15.57   |
| 08/09/2016 13:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 45.7    |
| 08/09/2016 14:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 57.37   |
| 08/09/2016 15:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 69.0    |
| 08/09/2016 16:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 54.12   |
| 08/09/2016 17:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186 | TWR:PACKARD 62 & BP76         | 31.18   |
| 08/09/2016 10:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -2.8    |
| 08/09/2016 11:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -48.55  |
| 08/09/2016 12:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -68.02  |
| 08/09/2016 13:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -129.75 |
| 08/09/2016 14:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -131.75 |
| 08/09/2016 15:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -98.07  |
| 08/09/2016 16:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -83.92  |
| 08/09/2016 17:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -89.03  |
| 08/09/2016 18:00 | EDT | GARDNVLA 230 STOLLERD 230 1 | 25180 | TWR:PACKARD 77 & 78           | -42.69  |