

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency                   | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------------|----------------------|
| 04/28/2018 02:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -0.54                |
| 04/28/2018 03:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -3.2                 |
| 04/28/2018 05:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -0.99                |
| 04/28/2018 06:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -1.93                |
| 04/28/2018 07:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -0.36                |
| 04/28/2018 13:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -0.14                |
| 04/28/2018 18:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -0.7                 |
| 04/28/2018 19:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE                     | -1.36                |
| 04/28/2018 00:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE                     | 8.48                 |
| 04/28/2018 01:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE                     | 5.3                  |
| 04/28/2018 02:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE                     | 3.64                 |
| 04/28/2018 03:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE                     | 0.08                 |
| 04/28/2018 04:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE                     | 1.09                 |
| 04/28/2018 11:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.15                 |
| 04/28/2018 12:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.19                 |
| 04/28/2018 13:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.23                 |
| 04/28/2018 14:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.21                 |
| 04/28/2018 15:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.39                 |
| 04/28/2018 16:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.67                 |
| 04/28/2018 17:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.37                 |
| 04/28/2018 18:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.07                 |
| 04/28/2018 22:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.02                 |
| 04/28/2018 23:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE                     | 0.02                 |
| 04/28/2018 11:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.15                 |
| 04/28/2018 12:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.19                 |
| 04/28/2018 13:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.22                 |
| 04/28/2018 14:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.2                  |
| 04/28/2018 15:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.39                 |
| 04/28/2018 16:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.67                 |
| 04/28/2018 17:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.37                 |
| 04/28/2018 18:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25289         | BASE CASE                     | 0.07                 |
| 04/28/2018 12:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE                     | 0.02                 |
| 04/28/2018 13:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE                     | 0.02                 |
| 04/28/2018 14:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE                     | 0.02                 |
| 04/28/2018 07:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 1.98                 |
| 04/28/2018 08:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 4.4                  |
| 04/28/2018 09:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 5.1                  |
| 04/28/2018 10:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 6.25                 |
| 04/28/2018 11:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 6.56                 |
| 04/28/2018 12:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 7.42                 |
| 04/28/2018 13:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 9.31                 |
| 04/28/2018 14:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 7.45                 |
| 04/28/2018 15:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 6.12                 |
| 04/28/2018 16:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 5.36                 |
| 04/28/2018 17:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 5.73                 |
| 04/28/2018 18:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 1.2                  |
| 04/28/2018 20:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 6.39                 |
| 04/28/2018 21:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE                     | 4.5                  |
| 04/28/2018 15:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 2 | 25191         | DUNWODIE-MOTTHAVN_345_71      | -0.28                |
| 04/28/2018 16:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 2 | 25191         | DUNWODIE-MOTTHAVN_345_71      | -0.52                |
| 04/28/2018 17:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | DUNWODIE-MOTTHAVN_345_72      | -0.22                |
| 04/28/2018 00:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.06                 |
| 04/28/2018 01:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.06                 |
| 04/28/2018 02:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.29                 |
| 04/28/2018 03:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.94                 |
| 04/28/2018 04:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.03                 |
| 04/28/2018 05:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.67                 |
| 04/28/2018 06:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.66                 |
| 04/28/2018 07:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 10.32                |
| 04/28/2018 08:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 8.58                 |
| 04/28/2018 09:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.6                  |
| 04/28/2018 10:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.19                 |
| 04/28/2018 11:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.21                 |

|                  |     |                             |       |                               |       |
|------------------|-----|-----------------------------|-------|-------------------------------|-------|
| 04/28/2018 12:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 8.85  |
| 04/28/2018 13:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 10.83 |
| 04/28/2018 14:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 9.69  |
| 04/28/2018 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 8.57  |
| 04/28/2018 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.31  |
| 04/28/2018 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.2   |
| 04/28/2018 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.25  |
| 04/28/2018 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.04  |
| 04/28/2018 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.37  |
| 04/28/2018 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 4.1   |
| 04/28/2018 00:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.02  |
| 04/28/2018 11:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.53  |
| 04/28/2018 12:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.67  |
| 04/28/2018 13:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.81  |
| 04/28/2018 14:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.73  |
| 04/28/2018 15:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.92  |
| 04/28/2018 16:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 1.53  |
| 04/28/2018 17:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.95  |
| 04/28/2018 18:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.27  |
| 04/28/2018 22:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.03  |
| 04/28/2018 23:00 | EDT | E13THSTA 345 FARRAGUT 345 1 | 25251 | SCB:SPBK(RS3):W75&99941       | 0.03  |