

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency             | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------|----------------------|
| 10/25/2018 05:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 1.97                 |
| 10/25/2018 06:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 0.51                 |
| 10/25/2018 00:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -6.57                |
| 10/25/2018 01:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -2.19                |
| 10/25/2018 02:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -1.08                |
| 10/25/2018 03:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.47                |
| 10/25/2018 05:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -9.96                |
| 10/25/2018 12:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.1                 |
| 10/25/2018 13:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.2                 |
| 10/25/2018 14:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.1                 |
| 10/25/2018 15:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.5                 |
| 10/25/2018 16:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.3                 |
| 10/25/2018 17:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -3.59                |
| 10/25/2018 18:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -7.45                |
| 10/25/2018 19:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -5.34                |
| 10/25/2018 20:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.52                |
| 10/25/2018 21:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -0.2                 |
| 10/25/2018 22:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -2.02                |
| 10/25/2018 23:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE               | -3.22                |
| 10/25/2018 00:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE               | 5.78                 |
| 10/25/2018 01:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE               | 13.98                |
| 10/25/2018 02:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE               | 17.32                |
| 10/25/2018 03:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE               | 18.89                |
| 10/25/2018 04:00 | EDT       | CENTRAL EAST - VC           | 23330         | BASE CASE               | 16.3                 |
| 10/25/2018 12:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE               | 0.02                 |
| 10/25/2018 13:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE               | 0.02                 |
| 10/25/2018 14:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE               | 0.02                 |
| 10/25/2018 15:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE               | 0.02                 |
| 10/25/2018 16:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE               | 0.02                 |
| 10/25/2018 12:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 13:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 14:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 15:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 16:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 22:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 23:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE               | 0.02                 |
| 10/25/2018 12:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 13:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 14:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 15:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 16:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 18:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 19:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 20:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 21:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 22:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 10/25/2018 06:00 | EDT       | NYCA ACTIVE DNI             | 990           | ACTIVE DNI              | 0.8                  |
| 10/25/2018 04:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 30.13                |
| 10/25/2018 05:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 69.15                |
| 10/25/2018 06:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 82.0                 |
| 10/25/2018 07:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 95.12                |
| 10/25/2018 08:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 85.01                |
| 10/25/2018 09:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 5.64                 |
| 10/25/2018 10:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 0.04                 |
| 10/25/2018 11:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 2.58                 |
| 10/25/2018 12:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 56.47                |
| 10/25/2018 13:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 58.27                |
| 10/25/2018 14:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 47.25                |
| 10/25/2018 15:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 42.45                |
| 10/25/2018 16:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 57.09                |
| 10/25/2018 17:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 7.96                 |
| 10/25/2018 18:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 100.84               |
| 10/25/2018 19:00 | EDT       | BROWNFLS 115 TAYLORVL 115 2 | 26077         | BROWNFLS-TAYLORVL_115_3 | 45.34                |

|                  |     |                             |       |                            |        |
|------------------|-----|-----------------------------|-------|----------------------------|--------|
| 10/25/2018 20:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3    | 78.07  |
| 10/25/2018 21:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3    | 58.41  |
| 10/25/2018 22:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3    | 48.95  |
| 10/25/2018 23:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3    | 32.7   |
| 10/25/2018 06:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 1.52   |
| 10/25/2018 09:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 2.67   |
| 10/25/2018 10:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 5.54   |
| 10/25/2018 11:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 8.32   |
| 10/25/2018 12:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 10.18  |
| 10/25/2018 13:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 10.7   |
| 10/25/2018 14:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 7.96   |
| 10/25/2018 15:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 15.72  |
| 10/25/2018 16:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 10.87  |
| 10/25/2018 18:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 1.15   |
| 10/25/2018 19:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 1.85   |
| 10/25/2018 20:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 0.43   |
| 10/25/2018 21:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 6.86   |
| 10/25/2018 22:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 7.73   |
| 10/25/2018 23:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25214 | MTN:GOE 6 O/S SB 6 GOW     | 16.21  |
| 10/25/2018 10:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -5.53  |
| 10/25/2018 11:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -8.32  |
| 10/25/2018 12:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -10.17 |
| 10/25/2018 13:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -10.69 |
| 10/25/2018 14:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -7.95  |
| 10/25/2018 15:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -15.71 |
| 10/25/2018 18:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -1.16  |
| 10/25/2018 19:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -1.87  |
| 10/25/2018 20:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -0.45  |
| 10/25/2018 21:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -6.88  |
| 10/25/2018 22:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | MTN:GOE 6 O/S SB 6 GOW     | -7.73  |
| 10/25/2018 06:00 | EDT | KENTAVE 138 VERNON 138 1    | 26123 | MTN:GOE 6 O/S SB 6 GOW     | -1.53  |
| 10/25/2018 09:00 | EDT | KENTAVE 138 VERNON 138 1    | 26123 | MTN:GOE 6 O/S SB 6 GOW     | -2.66  |
| 10/25/2018 16:00 | EDT | KENTAVE 138 VERNON 138 1    | 26123 | MTN:GOE 6 O/S SB 6 GOW     | -10.86 |
| 10/25/2018 23:00 | EDT | KENTAVE 138 VERNON 138 1    | 26123 | MTN:GOE 6 O/S SB 6 GOW     | -16.21 |
| 10/25/2018 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 9.91   |
| 10/25/2018 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 5.52   |
| 10/25/2018 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 4.45   |
| 10/25/2018 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 3.01   |
| 10/25/2018 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 2.73   |
| 10/25/2018 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 8.12   |
| 10/25/2018 06:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 1.21   |
| 10/25/2018 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 2.15   |
| 10/25/2018 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 0.75   |
| 10/25/2018 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 2.96   |
| 10/25/2018 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 6.94   |
| 10/25/2018 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 16.71  |
| 10/25/2018 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 13.35  |
| 10/25/2018 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 11.44  |
| 10/25/2018 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 8.91   |
| 10/25/2018 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 7.11   |
| 10/25/2018 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | NEPTUNE HVDC TIE LINE      | 4.31   |
| 10/25/2018 07:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 9.6    |
| 10/25/2018 08:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 17.82  |
| 10/25/2018 09:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 21.15  |
| 10/25/2018 11:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 9.6    |
| 10/25/2018 18:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 1.38   |
| 10/25/2018 19:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164 | NIAGARA_-ROBNSNRD_230_64   | 25.3   |
| 10/25/2018 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 16.29  |
| 10/25/2018 07:00 | EDT | SCRIBA 345 VOLNEY 345 1     | 25204 | SCRIBA_-VOLNEY__345_21     | 17.08  |
| 10/25/2018 00:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | TWR:MOSES MA1 & MA2        | 22.02  |
| 10/25/2018 01:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | TWR:MOSES MA1 & MA2        | 41.27  |
| 10/25/2018 02:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | TWR:MOSES MA1 & MA2        | 30.32  |
| 10/25/2018 03:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | TWR:MOSES MA1 & MA2        | 27.59  |