

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency             | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------|----------------------|
| 07/07/2022 14:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | -6.12                |
| 07/07/2022 16:00 | EDT       | SCH - PJ - NY               | 23316         | BASE CASE               | -0.68                |
| 07/07/2022 00:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 0.21                 |
| 07/07/2022 04:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 0.38                 |
| 07/07/2022 05:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 1.07                 |
| 07/07/2022 06:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 2.38                 |
| 07/07/2022 15:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE               | 5.48                 |
| 07/07/2022 00:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 2.17                 |
| 07/07/2022 01:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 5.29                 |
| 07/07/2022 02:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 2.81                 |
| 07/07/2022 03:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 1.35                 |
| 07/07/2022 04:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 1.02                 |
| 07/07/2022 05:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 1.75                 |
| 07/07/2022 06:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE               | 4.45                 |
| 07/07/2022 08:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE               | 2.48                 |
| 07/07/2022 10:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE               | 1.01                 |
| 07/07/2022 11:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE               | 1.14                 |
| 07/07/2022 08:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE               | 2.64                 |
| 07/07/2022 10:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE               | 1.01                 |
| 07/07/2022 11:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE               | 1.13                 |
| 07/07/2022 20:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE               | 0.42                 |
| 07/07/2022 21:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE               | 1.2                  |
| 07/07/2022 05:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 06:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 07:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 08:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 09:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 10:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 11:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 12:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 19:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 20:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 21:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 22:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE               | 0.02                 |
| 07/07/2022 13:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 14:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 15:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 16:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 17:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 18:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25320         | BASE CASE               | 0.02                 |
| 07/07/2022 00:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 1.25                 |
| 07/07/2022 01:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 0.68                 |
| 07/07/2022 08:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 12.61                |
| 07/07/2022 09:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 10.96                |
| 07/07/2022 10:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 15.87                |
| 07/07/2022 11:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 16.81                |
| 07/07/2022 12:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 18.12                |
| 07/07/2022 13:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 20.6                 |
| 07/07/2022 14:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 17.47                |
| 07/07/2022 15:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 29.07                |
| 07/07/2022 16:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 25.88                |
| 07/07/2022 17:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 21.66                |
| 07/07/2022 18:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 12.31                |
| 07/07/2022 20:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 6.07                 |
| 07/07/2022 21:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 12.56                |
| 07/07/2022 22:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 9.93                 |
| 07/07/2022 23:00 | EDT       | SCH - NPX_1385              | 325277        | BASE CASE               | 1.42                 |
| 07/07/2022 00:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -0.1                 |
| 07/07/2022 09:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -0.1                 |
| 07/07/2022 10:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -0.1                 |
| 07/07/2022 11:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -0.09                |
| 07/07/2022 20:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -23.08               |
| 07/07/2022 21:00 | EDT       | BRENTWOD 69 PILGRIM 69 3    | 26534         | BUS:PILGRIM_660_765&BK3 | -0.09                |

|                  |     |                             |        |                               |         |
|------------------|-----|-----------------------------|--------|-------------------------------|---------|
| 07/07/2022 22:00 | EDT | BRENTWOD 69 PILGRIM 69 3    | 26534  | BUS:PILGRIM_660_765&BK3       | -0.1    |
| 07/07/2022 00:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 5.24    |
| 07/07/2022 07:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 5.97    |
| 07/07/2022 08:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 18.39   |
| 07/07/2022 09:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 22.5    |
| 07/07/2022 10:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 30.76   |
| 07/07/2022 11:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 32.11   |
| 07/07/2022 12:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 37.21   |
| 07/07/2022 13:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 39.61   |
| 07/07/2022 14:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 42.77   |
| 07/07/2022 15:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 59.07   |
| 07/07/2022 16:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 54.65   |
| 07/07/2022 17:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 44.82   |
| 07/07/2022 18:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 39.97   |
| 07/07/2022 19:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 17.71   |
| 07/07/2022 20:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 18.72   |
| 07/07/2022 21:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 30.37   |
| 07/07/2022 22:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 26.44   |
| 07/07/2022 23:00 | EDT | CRICKVLY 345 PLSNTVLY 345 1 | 326887 | CRICKVLY-PLSNTVLY_345_F84     | 11.3    |
| 07/07/2022 08:00 | EDT | MOTTHAVN 345 DUNWODIE 345 1 | 25151  | DUNWODIE-MOTTHAVN_345_72      | -0.04   |
| 07/07/2022 12:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 0.72    |
| 07/07/2022 13:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 6.48    |
| 07/07/2022 15:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 24.36   |
| 07/07/2022 16:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 27.22   |
| 07/07/2022 17:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 29.64   |
| 07/07/2022 18:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 20.61   |
| 07/07/2022 19:00 | EDT | ELWOOD 138 GREENLWN 138 1   | 25546  | NRTHPORT_138_138_PS2          | 0.98    |
| 07/07/2022 14:00 | EDT | GREENLWN 138 SYOSSET 138 1  | 25548  | NRTHPORT_138_138_PS2          | 7.88    |
| 07/07/2022 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.31    |
| 07/07/2022 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.81    |
| 07/07/2022 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.3     |
| 07/07/2022 00:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -4.59   |
| 07/07/2022 01:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -7.97   |
| 07/07/2022 06:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -7.9    |
| 07/07/2022 07:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -15.74  |
| 07/07/2022 08:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -29.57  |
| 07/07/2022 09:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -23.65  |
| 07/07/2022 10:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -13.59  |
| 07/07/2022 11:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -3.04   |
| 07/07/2022 12:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -20.3   |
| 07/07/2022 13:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -49.62  |
| 07/07/2022 14:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -34.01  |
| 07/07/2022 15:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -54.84  |
| 07/07/2022 16:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -48.04  |
| 07/07/2022 17:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -44.79  |
| 07/07/2022 18:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -65.43  |
| 07/07/2022 19:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -24.17  |
| 07/07/2022 20:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -17.78  |
| 07/07/2022 21:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -7.53   |
| 07/07/2022 22:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -34.66  |
| 07/07/2022 23:00 | EDT | ADIRNDCK 230 MOSES 230 1    | 25269  | SIN:MSU1&7040& HQ GN&LD PROXY | -16.87  |
| 07/07/2022 22:00 | EDT | GREENWD 138 VERNON 138 1    | 25337  | TWR:GOETHALS 22 & 21          | -0.02   |
| 07/07/2022 15:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186  | TWR:PACKARD 62 & BP76         | 0.02    |
| 07/07/2022 16:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186  | TWR:PACKARD 62 & BP76         | 0.02    |
| 07/07/2022 17:00 | EDT | NIAGARA 230 PACKARD 230 1   | 25186  | TWR:PACKARD 62 & BP76         | 0.02    |
| 07/07/2022 08:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -55.51  |
| 07/07/2022 09:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -90.39  |
| 07/07/2022 10:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -91.44  |
| 07/07/2022 11:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -54.17  |
| 07/07/2022 12:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -83.74  |
| 07/07/2022 13:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -92.68  |
| 07/07/2022 15:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -103.01 |
| 07/07/2022 16:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -224.6  |
| 07/07/2022 17:00 | EDT | CHESTROR 138 SHOEMAKR 138 1 | 26466  | TWR:RAMAPO 76 & 77 & BK1112   | -209.5  |