

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 12/22/2021 00:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -13.82 |
| 12/22/2021 01:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -5.62 |
| 12/22/2021 02:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -4.47 |
| 12/22/2021 03:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -6.38 |
| 12/22/2021 04:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -4.91 |
| 12/22/2021 05:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -11.08 |
| 12/22/2021 06:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -9.78 |
| 12/22/2021 08:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -4.01 |
| 12/22/2021 09:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -18.88 |
| 12/22/2021 10:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -9.74 |
| 12/22/2021 11:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -7.98 |
| 12/22/2021 12:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -7.98 |
| 12/22/2021 13:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -7.07 |
| 12/22/2021 14:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -9.97 |
| 12/22/2021 15:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -10.61 |
| 12/22/2021 16:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -10.64 |
| 12/22/2021 17:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -25.54 |
| 12/22/2021 18:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -23.76 |
| 12/22/2021 19:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -8.73 |
| 12/22/2021 20:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -15.75 |
| 12/22/2021 21:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -7.29 |
| 12/22/2021 22:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -5.95 |
| 12/22/2021 23:00 | EST | SCH - NE - NY | 23318 | BASE CASE | -11.19 |
| 12/22/2021 06:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 0.2 |
| 12/22/2021 17:00 | EST | SCH - HQ - NY | 23324 | BASE CASE | 2.18 |
| 12/22/2021 00:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 44.38 |
| 12/22/2021 01:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 53.23 |
| 12/22/2021 02:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 53.0 |
| 12/22/2021 03:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 52.63 |
| 12/22/2021 04:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 47.91 |
| 12/22/2021 05:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 32.24 |
| 12/22/2021 06:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 38.14 |
| 12/22/2021 07:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 62.56 |
| 12/22/2021 08:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 49.41 |
| 12/22/2021 09:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 41.66 |
| 12/22/2021 10:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 38.91 |
| 12/22/2021 11:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 47.17 |
| 12/22/2021 12:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 45.91 |
| 12/22/2021 13:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 40.9 |
| 12/22/2021 14:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 36.67 |
| 12/22/2021 15:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 35.45 |
| 12/22/2021 16:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 46.68 |
| 12/22/2021 17:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 56.01 |
| 12/22/2021 18:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 51.37 |
| 12/22/2021 19:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 49.02 |
| 12/22/2021 20:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 28.38 |
| 12/22/2021 21:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 31.29 |
| 12/22/2021 22:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 29.34 |
| 12/22/2021 23:00 | EST | CENTRAL EAST - VC | 23330 | BASE CASE | 22.57 |
| 12/22/2021 14:00 | EST | MOTTHAVN 345 DUNWODIE 345 1 | 25191 | BASE CASE | -0.03 |
| 12/22/2021 15:00 | EST | MOTTHAVN 345 DUNWODIE 345 1 | 25191 | BASE CASE | -0.03 |
| 12/22/2021 16:00 | EST | MOTTHAVN 345 DUNWODIE 345 1 | 25191 | BASE CASE | -0.03 |
| 12/22/2021 18:00 | EST | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 1.47 |
| 12/22/2021 19:00 | EST | E179THST 138 HELLGATE 138 1 | 25289 | BASE CASE | -0.03 |
| 12/22/2021 21:00 | EST | E179THST 138 HELLGATE 138 1 | 25289 | BASE CASE | -0.02 |
| 12/22/2021 17:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 12/22/2021 18:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 2.98 |
| 12/22/2021 19:00 | EST | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 12/22/2021 00:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 01:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 02:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 03:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 04:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |

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|------------------|-----|-----------------------------|--------|-------------------------------|--------|
| 12/22/2021 05:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 06:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 07:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 08:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 09:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 10:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 11:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 12:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 13:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 14:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 15:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 16:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 17:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 12/22/2021 18:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 2.99 |
| 12/22/2021 19:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 12/22/2021 20:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 21:00 | EST | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 12/22/2021 07:00 | EST | SCH - NPX_1385 | 325277 | BASE CASE | -6.17 |
| 12/22/2021 08:00 | EST | SCH - NPX_1385 | 325277 | BASE CASE | -5.95 |
| 12/22/2021 09:00 | EST | SCH - NPX_1385 | 325277 | BASE CASE | -8.71 |
| 12/22/2021 08:00 | EST | NYCA ACTIVE DNI | 990 | ACTIVE DNI | 0.48 |
| 12/22/2021 17:00 | EST | COLTON 115 FLATROCK 115 1 | 26088 | COLTON__HIGLEY__115_1 | 62.79 |
| 12/22/2021 18:00 | EST | COLTON 115 FLATROCK 115 1 | 26088 | COLTON__HIGLEY__115_1 | 26.45 |
| 12/22/2021 00:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 8.47 |
| 12/22/2021 01:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.72 |
| 12/22/2021 02:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.61 |
| 12/22/2021 03:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.46 |
| 12/22/2021 04:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.02 |
| 12/22/2021 05:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 8.02 |
| 12/22/2021 06:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.23 |
| 12/22/2021 07:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.02 |
| 12/22/2021 08:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 4.96 |
| 12/22/2021 09:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 11.09 |
| 12/22/2021 10:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 14.95 |
| 12/22/2021 11:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 12.72 |
| 12/22/2021 12:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 10.4 |
| 12/22/2021 13:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 9.91 |
| 12/22/2021 14:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 16.64 |
| 12/22/2021 15:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 14.19 |
| 12/22/2021 16:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 17.08 |
| 12/22/2021 17:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 19.32 |
| 12/22/2021 18:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 22.43 |
| 12/22/2021 19:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 15.01 |
| 12/22/2021 20:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 22.1 |
| 12/22/2021 21:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 14.76 |
| 12/22/2021 22:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.74 |
| 12/22/2021 23:00 | EST | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.28 |
| 12/22/2021 19:00 | EST | ADIRNDCK 230 MOSES 230 1 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -4.01 |
| 12/22/2021 20:00 | EST | ADIRNDCK 230 MOSES 230 1 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -23.54 |
| 12/22/2021 21:00 | EST | ADIRNDCK 230 MOSES 230 1 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -24.26 |
| 12/22/2021 22:00 | EST | ADIRNDCK 230 MOSES 230 1 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -43.51 |
| 12/22/2021 23:00 | EST | ADIRNDCK 230 MOSES 230 1 | 25270 | SIN:MSU1&7040& HQ GN&LD PROXY | -58.62 |
| 12/22/2021 07:00 | EST | ELWOOD 69 PULASKLI 69 1 | 26610 | TWR:HOLTSVILLE 881& 882& 880 | 0.1 |
| 12/22/2021 22:00 | EST | ELWOOD 69 PULASKLI 69 1 | 26610 | TWR:HOLTSVILLE 881& 882& 880 | 0.1 |
| 12/22/2021 18:00 | EST | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -1.26 |