

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 09/22/2018 05:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.07 |
| 09/22/2018 06:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.29 |
| 09/22/2018 07:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.33 |
| 09/22/2018 08:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.77 |
| 09/22/2018 09:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 6.48 |
| 09/22/2018 10:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 7.68 |
| 09/22/2018 11:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 8.5 |
| 09/22/2018 12:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.79 |
| 09/22/2018 13:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 5.88 |
| 09/22/2018 14:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.19 |
| 09/22/2018 15:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 5.65 |
| 09/22/2018 16:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 6.67 |
| 09/22/2018 17:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.44 |
| 09/22/2018 18:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -1.35 |
| 09/22/2018 19:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -2.86 |
| 09/22/2018 20:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -3.54 |
| 09/22/2018 21:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -1.67 |
| 09/22/2018 22:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -0.79 |
| 09/22/2018 23:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -0.42 |
| 09/22/2018 00:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 22.84 |
| 09/22/2018 01:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 20.17 |
| 09/22/2018 02:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 18.52 |
| 09/22/2018 03:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 15.73 |
| 09/22/2018 04:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 13.13 |
| 09/22/2018 05:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 12.73 |
| 09/22/2018 06:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 10.98 |
| 09/22/2018 07:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 9.37 |
| 09/22/2018 18:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.71 |
| 09/22/2018 19:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 1.71 |
| 09/22/2018 20:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 1.59 |
| 09/22/2018 21:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.3 |
| 09/22/2018 22:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.85 |
| 09/22/2018 23:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 5.83 |
| 09/22/2018 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.25 |
| 09/22/2018 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.6 |
| 09/22/2018 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.53 |
| 09/22/2018 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.23 |
| 09/22/2018 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.3 |
| 09/22/2018 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.43 |
| 09/22/2018 10:00 | EDT | MOTTHAVN 345 DUNWODIE 345 1 | 25191 | BASE CASE | -0.05 |
| 09/22/2018 07:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 7.68 |
| 09/22/2018 08:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 6.73 |
| 09/22/2018 09:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 2.98 |
| 09/22/2018 10:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | BASE CASE | 0.08 |
| 09/22/2018 09:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 10:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 11:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 12:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 13:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 14:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 15:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 18:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.46 |
| 09/22/2018 19:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.64 |
| 09/22/2018 20:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 21:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/22/2018 00:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 01:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 02:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 03:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 04:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 05:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 09:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 10:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |

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|------------------|-----|-----------------------------|-------|----------------------------|-------|
| 09/22/2018 11:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 12:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 13:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 14:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 15:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 18:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.9 |
| 09/22/2018 19:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 1.28 |
| 09/22/2018 20:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 21:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 22:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 23:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/22/2018 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.89 |
| 09/22/2018 19:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 1.26 |
| 09/22/2018 00:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -5.98 |
| 09/22/2018 01:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -3.7 |
| 09/22/2018 02:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -4.81 |
| 09/22/2018 03:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -3.85 |
| 09/22/2018 04:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -3.7 |
| 09/22/2018 05:00 | EDT | GOETHALS 345 LINDN_CG 345 1 | 26000 | BASE CASE | -4.65 |
| 09/22/2018 18:00 | EDT | PJAC ACTIVE DNI | 994 | ACTIVE DNI | 1.2 |
| 09/22/2018 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 3.02 |
| 09/22/2018 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 06:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/22/2018 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 3.65 |
| 09/22/2018 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 5.2 |
| 09/22/2018 00:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 9.3 |
| 09/22/2018 01:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 8.19 |
| 09/22/2018 02:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 7.73 |
| 09/22/2018 03:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 7.88 |
| 09/22/2018 04:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 8.94 |
| 09/22/2018 05:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 10.18 |
| 09/22/2018 06:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 12.33 |
| 09/22/2018 07:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 13.38 |
| 09/22/2018 08:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 14.84 |
| 09/22/2018 09:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 14.89 |
| 09/22/2018 10:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 15.98 |
| 09/22/2018 11:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 17.14 |
| 09/22/2018 12:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 15.84 |
| 09/22/2018 13:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 18.25 |
| 09/22/2018 14:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 18.67 |
| 09/22/2018 15:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 20.53 |
| 09/22/2018 16:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 22.27 |
| 09/22/2018 17:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 21.28 |
| 09/22/2018 18:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 17.91 |
| 09/22/2018 19:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 18.49 |
| 09/22/2018 20:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 16.56 |
| 09/22/2018 21:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 12.54 |
| 09/22/2018 22:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 8.02 |
| 09/22/2018 23:00 | EDT | MARCY 765 MARCY 345 1 | 25455 | TWR:MOSES MA1 & MA2 | 4.82 |