

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------------------|----------------------|
| 07/19/2021 00:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 5.33 |
| 07/19/2021 01:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 6.25 |
| 07/19/2021 02:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.02 |
| 07/19/2021 03:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.2 |
| 07/19/2021 04:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.35 |
| 07/19/2021 05:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.42 |
| 07/19/2021 06:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 6.14 |
| 07/19/2021 07:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 4.01 |
| 07/19/2021 08:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.77 |
| 07/19/2021 09:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.67 |
| 07/19/2021 10:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.26 |
| 07/19/2021 11:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.78 |
| 07/19/2021 12:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.46 |
| 07/19/2021 13:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.32 |
| 07/19/2021 14:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.19 |
| 07/19/2021 15:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 4.67 |
| 07/19/2021 16:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.84 |
| 07/19/2021 17:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.73 |
| 07/19/2021 18:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.22 |
| 07/19/2021 19:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 4.09 |
| 07/19/2021 20:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 5.82 |
| 07/19/2021 21:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 8.18 |
| 07/19/2021 22:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 7.77 |
| 07/19/2021 23:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 7.53 |
| 07/19/2021 14:00 | EDT | E179THST 138 SHERMCRK 138 2 | 25157 | BASE CASE | -0.35 |
| 07/19/2021 21:00 | EDT | E179THST 138 SHERMCRK 138 2 | 25157 | BASE CASE | -0.12 |
| 07/19/2021 14:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.05 |
| 07/19/2021 00:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 01:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 02:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 03:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 21:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 23:00 | EDT | HUDS_AVE 138 JAMAICA 138 1 | 25294 | BASE CASE | 0.02 |
| 07/19/2021 05:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 07/19/2021 06:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 07/19/2021 10:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 2.51 |
| 07/19/2021 11:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 5.52 |
| 07/19/2021 12:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.07 |
| 07/19/2021 13:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 2.38 |
| 07/19/2021 14:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 1.75 |
| 07/19/2021 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.13 |
| 07/19/2021 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.13 |
| 07/19/2021 17:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.13 |
| 07/19/2021 21:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 13.86 |
| 07/19/2021 22:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 5.19 |
| 07/19/2021 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 0.02 |
| 07/19/2021 19:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 0.08 |
| 07/19/2021 20:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 7.75 |
| 07/19/2021 13:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.7 |
| 07/19/2021 15:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | BASE CASE | -0.11 |
| 07/19/2021 00:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | BASE CASE | -0.13 |
| 07/19/2021 01:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | BASE CASE | -0.21 |
| 07/19/2021 05:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | BASE CASE | -0.16 |
| 07/19/2021 06:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | BASE CASE | -0.03 |
| 07/19/2021 01:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 0.34 |
| 07/19/2021 22:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.42 |
| 07/19/2021 23:00 | EDT | SCH - NPX_1385 | 325277 | BASE CASE | 1.33 |
| 07/19/2021 08:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -0.1 |
| 07/19/2021 09:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -21.75 |
| 07/19/2021 10:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -85.11 |
| 07/19/2021 11:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -20.47 |
| 07/19/2021 16:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -0.1 |
| 07/19/2021 22:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -49.02 |

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| 07/19/2021 23:00 | EDT | BRENTWOD 69 PILGRIM 69 3 | 26534 | BUS:PILGRIM_660_765&BK3 | -10.21 |
| 07/19/2021 19:00 | EDT | ELWOOD 69 PULASKLI 69 1 | 26610 | BUS:PILGRIM_661_871&BK1&BK3 | 177.94 |
| 07/19/2021 20:00 | EDT | ELWOOD 69 PULASKLI 69 1 | 26610 | BUS:PILGRIM_661_871&BK1&BK3 | 173.11 |
| 07/19/2021 21:00 | EDT | ELWOOD 69 PULASKLI 69 1 | 26610 | BUS:PILGRIM_661_871&BK1&BK3 | 126.88 |
| 07/19/2021 09:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -1.82 |
| 07/19/2021 10:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -7.16 |
| 07/19/2021 11:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -1.71 |
| 07/19/2021 19:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -158.45 |
| 07/19/2021 20:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -153.76 |
| 07/19/2021 21:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -124.08 |
| 07/19/2021 22:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -59.77 |
| 07/19/2021 23:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550 | CSC HVDC TIE LINE | -37.88 |
| 07/19/2021 23:00 | EDT | ELWOOD 69 PULASKLI 69 1 | 26610 | CSC HVDC TIE LINE | 6.5 |
| 07/19/2021 22:00 | EDT | ELWOOD 138 NRTHPORT 138 1 | 25543 | NRTHPORT-ELWOOD__138_681 | -1.56 |
| 07/19/2021 20:00 | EDT | NRTHPORT 138 PILGRIM 138 3 | 25309 | NRTHPORT-PILGRIM__138_677 | 8.04 |
| 07/19/2021 21:00 | EDT | NRTHPORT 138 PILGRIM 138 3 | 25309 | NRTHPORT-PILGRIM__138_677 | 7.03 |
| 07/19/2021 19:00 | EDT | NRTHPORT 138 PILGRIM 138 2 | 25308 | NRTHPORT-PILGRIM__138_679 | 9.86 |
| 07/19/2021 14:00 | EDT | MOTTHAVN 345 DUNWODIE 345 1 | 25151 | SCB:DUNW(7): W75& 72 | -1.31 |
| 07/19/2021 21:00 | EDT | MOTTHAVN 345 DUNWODIE 345 1 | 25151 | SCB:DUNW(7): W75& 72 | -0.36 |
| 07/19/2021 22:00 | EDT | MOTTHAVN 345 DUNWODIE 345 1 | 25151 | SCB:DUNW(7): W75& 72 | -0.03 |
| 07/19/2021 16:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | SCB:GOWANUS(22):42231&G27&BEC | -0.11 |
| 07/19/2021 17:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | SCB:GOWANUS(22):42231&G27&BEC | -0.11 |
| 07/19/2021 00:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -23.69 |
| 07/19/2021 01:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -11.94 |
| 07/19/2021 02:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -8.2 |
| 07/19/2021 03:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -7.81 |
| 07/19/2021 04:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -7.48 |
| 07/19/2021 05:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -10.84 |
| 07/19/2021 06:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -18.57 |
| 07/19/2021 07:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -22.22 |
| 07/19/2021 08:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -11.2 |
| 07/19/2021 09:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -25.81 |
| 07/19/2021 10:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -47.37 |
| 07/19/2021 11:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -28.33 |
| 07/19/2021 12:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -37.34 |
| 07/19/2021 13:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -40.01 |
| 07/19/2021 14:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -37.93 |
| 07/19/2021 15:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -17.34 |
| 07/19/2021 16:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -22.41 |
| 07/19/2021 17:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -32.19 |
| 07/19/2021 18:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -14.75 |
| 07/19/2021 19:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -10.42 |
| 07/19/2021 20:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -2.08 |
| 07/19/2021 21:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -35.35 |
| 07/19/2021 22:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -38.22 |
| 07/19/2021 23:00 | EDT | ADIRNDCK 230 MOSES 230 1 | 25269 | SIN:MSU1&7040& HQ GN&LD PROXY | -31.15 |
| 07/19/2021 10:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 4.7 |
| 07/19/2021 22:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 9.73 |
| 07/19/2021 10:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -9.36 |
| 07/19/2021 11:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -9.91 |
| 07/19/2021 12:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.1 |
| 07/19/2021 13:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -3.0 |
| 07/19/2021 14:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -2.97 |
| 07/19/2021 19:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -0.11 |
| 07/19/2021 20:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -14.02 |
| 07/19/2021 21:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -24.91 |
| 07/19/2021 22:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -19.42 |
| 07/19/2021 07:00 | EDT | NIAGARA 230 PACKARD 230 2 | 25220 | TWR:NIAGARA 61 & 64 | 0.12 |
| 07/19/2021 06:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.06 |
| 07/19/2021 08:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.1 |
| 07/19/2021 09:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.09 |
| 07/19/2021 11:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.05 |
| 07/19/2021 13:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.09 |
| 07/19/2021 14:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 12.12 |
| 07/19/2021 15:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.24 |
| 07/19/2021 16:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.06 |
| 07/19/2021 17:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.06 |
| 07/19/2021 18:00 | EDT | NIAGARA 230 PACKARD 230 1 | 25186 | TWR:PACKARD 62 & BP76 | 0.06 |
| 07/19/2021 00:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 75.22 |

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| 07/19/2021 01:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 110.12 |
| 07/19/2021 02:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 124.34 |
| 07/19/2021 03:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 116.5 |
| 07/19/2021 04:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 90.77 |
| 07/19/2021 05:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 88.48 |
| 07/19/2021 06:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 64.54 |
| 07/19/2021 07:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 79.36 |
| 07/19/2021 08:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 68.89 |
| 07/19/2021 09:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 64.74 |
| 07/19/2021 10:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 17.94 |
| 07/19/2021 11:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 44.94 |
| 07/19/2021 12:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 20.81 |
| 07/19/2021 13:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 18.53 |
| 07/19/2021 14:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 0.94 |
| 07/19/2021 15:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 7.8 |
| 07/19/2021 22:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 16.47 |
| 07/19/2021 23:00 | EDT | DELHI 115 DELHI_TP 115 1 | 26174 | TWR:UCC2-41&EF24-40 | 20.2 |