

Day Ahead Limiting Constraints

| Time Stamp | Time Zone | Limiting Facility | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 09/05/2019 05:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.24 |
| 09/05/2019 06:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.18 |
| 09/05/2019 07:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.0 |
| 09/05/2019 08:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.71 |
| 09/05/2019 09:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.49 |
| 09/05/2019 10:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.0 |
| 09/05/2019 11:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.62 |
| 09/05/2019 12:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.61 |
| 09/05/2019 13:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.29 |
| 09/05/2019 14:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.46 |
| 09/05/2019 15:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.7 |
| 09/05/2019 16:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 3.5 |
| 09/05/2019 17:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 2.63 |
| 09/05/2019 22:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 1.76 |
| 09/05/2019 23:00 | EDT | SCH - OH - NY | 23317 | BASE CASE | 4.27 |
| 09/05/2019 15:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -0.11 |
| 09/05/2019 17:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -0.9 |
| 09/05/2019 19:00 | EDT | SCH - NE - NY | 23318 | BASE CASE | -0.32 |
| 09/05/2019 00:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 1.05 |
| 09/05/2019 06:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 3.18 |
| 09/05/2019 16:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.78 |
| 09/05/2019 18:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 2.15 |
| 09/05/2019 19:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 1.61 |
| 09/05/2019 20:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 2.44 |
| 09/05/2019 21:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 1.97 |
| 09/05/2019 22:00 | EDT | SCH - HQ - NY | 23324 | BASE CASE | 0.5 |
| 09/05/2019 00:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 7.28 |
| 09/05/2019 01:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 3.41 |
| 09/05/2019 02:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.41 |
| 09/05/2019 03:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.38 |
| 09/05/2019 04:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 0.46 |
| 09/05/2019 23:00 | EDT | CENTRAL EAST - VC | 23330 | BASE CASE | 2.06 |
| 09/05/2019 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.56 |
| 09/05/2019 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 7.99 |
| 09/05/2019 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.12 |
| 09/05/2019 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.38 |
| 09/05/2019 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.2 |
| 09/05/2019 06:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.97 |
| 09/05/2019 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 1.04 |
| 09/05/2019 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.85 |
| 09/05/2019 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.84 |
| 09/05/2019 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | BASE CASE | 0.34 |
| 09/05/2019 10:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.59 |
| 09/05/2019 11:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.73 |
| 09/05/2019 12:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.55 |
| 09/05/2019 13:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.63 |
| 09/05/2019 14:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 0.88 |
| 09/05/2019 15:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.65 |
| 09/05/2019 16:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.47 |
| 09/05/2019 17:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.65 |
| 09/05/2019 18:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.92 |
| 09/05/2019 19:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 3.46 |
| 09/05/2019 20:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 2.45 |
| 09/05/2019 21:00 | EDT | SPRNBK 345 EGRDNCTR 345 1 | 25105 | BASE CASE | 1.52 |
| 09/05/2019 01:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.85 |
| 09/05/2019 07:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/05/2019 08:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 3.49 |
| 09/05/2019 09:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 13.9 |
| 09/05/2019 10:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 13.22 |
| 09/05/2019 11:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 13.34 |
| 09/05/2019 12:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 12.44 |
| 09/05/2019 13:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 11.38 |
| 09/05/2019 14:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 9.88 |

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| 09/05/2019 15:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 9.68 |
| 09/05/2019 16:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 7.83 |
| 09/05/2019 17:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 7.49 |
| 09/05/2019 18:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.44 |
| 09/05/2019 21:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 1.61 |
| 09/05/2019 22:00 | EDT | E179THST 138 HELLGATE 138 1 | 25288 | BASE CASE | 0.02 |
| 09/05/2019 09:00 | EDT | E179THST 138 HELLGATE 138 1 | 25289 | BASE CASE | 9.54 |
| 09/05/2019 16:00 | EDT | E179THST 138 HELLGATE 138 1 | 25289 | BASE CASE | 1.0 |
| 09/05/2019 01:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 1.66 |
| 09/05/2019 08:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 6.76 |
| 09/05/2019 10:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 8.56 |
| 09/05/2019 11:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 8.15 |
| 09/05/2019 12:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 10.11 |
| 09/05/2019 13:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 9.38 |
| 09/05/2019 14:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 8.08 |
| 09/05/2019 15:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 8.06 |
| 09/05/2019 17:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 1.9 |
| 09/05/2019 18:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 0.81 |
| 09/05/2019 22:00 | EDT | E179THST 138 HELLGATE 138 1 | 25290 | BASE CASE | 0.03 |
| 09/05/2019 00:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 02:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 03:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 04:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 07:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 09:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 18.06 |
| 09/05/2019 10:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 17.69 |
| 09/05/2019 11:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 18.37 |
| 09/05/2019 12:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 14.52 |
| 09/05/2019 13:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 13.15 |
| 09/05/2019 14:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 11.48 |
| 09/05/2019 15:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 11.08 |
| 09/05/2019 16:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 14.68 |
| 09/05/2019 17:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 13.06 |
| 09/05/2019 21:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 3.23 |
| 09/05/2019 23:00 | EDT | RAINEY 138 VERNON 138 1 | 25297 | BASE CASE | 0.02 |
| 09/05/2019 01:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 09/05/2019 06:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.02 |
| 09/05/2019 07:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.03 |
| 09/05/2019 08:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.17 |
| 09/05/2019 09:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 13.23 |
| 09/05/2019 10:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 1.07 |
| 09/05/2019 11:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 0.78 |
| 09/05/2019 13:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 9.71 |
| 09/05/2019 14:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 8.47 |
| 09/05/2019 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 8.19 |
| 09/05/2019 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 10.63 |
| 09/05/2019 17:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 9.48 |
| 09/05/2019 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 7.03 |
| 09/05/2019 19:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 3.35 |
| 09/05/2019 20:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 3.35 |
| 09/05/2019 21:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319 | BASE CASE | 2.35 |
| 09/05/2019 10:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 11.82 |
| 09/05/2019 11:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 12.58 |
| 09/05/2019 12:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320 | BASE CASE | 10.65 |
| 09/05/2019 13:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | BASE CASE | -6.05 |
| 09/05/2019 16:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3 | 9.79 |
| 09/05/2019 17:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3 | 9.82 |
| 09/05/2019 18:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077 | BROWNFLS-TAYLORVL_115_3 | 7.0 |
| 09/05/2019 01:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 1.69 |
| 09/05/2019 08:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 6.9 |
| 09/05/2019 12:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 10.81 |
| 09/05/2019 14:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 8.55 |
| 09/05/2019 15:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 8.96 |
| 09/05/2019 16:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 1.98 |
| 09/05/2019 18:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 1.63 |
| 09/05/2019 19:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 0.92 |
| 09/05/2019 20:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 0.64 |
| 09/05/2019 22:00 | EDT | MOTTHAVN 345 RAINEY 345 2 | 325431 | MOTTHAVN-RAINEY_345_Q11 | 0.29 |
| 09/05/2019 09:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY_345_Q12 | 9.75 |

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| 09/05/2019 10:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY___345_Q12 | 9.24 |
| 09/05/2019 11:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY___345_Q12 | 8.86 |
| 09/05/2019 13:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY___345_Q12 | 10.09 |
| 09/05/2019 17:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY___345_Q12 | 2.94 |
| 09/05/2019 21:00 | EDT | MOTTHAVN 345 RAINEY 345 1 | 325430 | MOTTHAVN-RAINEY___345_Q12 | 0.5 |
| 09/05/2019 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 8.58 |
| 09/05/2019 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 95.22 |
| 09/05/2019 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 13.47 |
| 09/05/2019 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 4.63 |
| 09/05/2019 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.1 |
| 09/05/2019 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 14.41 |
| 09/05/2019 06:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 11.64 |
| 09/05/2019 07:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 12.43 |
| 09/05/2019 08:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 10.23 |
| 09/05/2019 09:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 10.09 |
| 09/05/2019 10:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.33 |
| 09/05/2019 11:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.81 |
| 09/05/2019 12:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.46 |
| 09/05/2019 13:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.84 |
| 09/05/2019 14:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 2.75 |
| 09/05/2019 16:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.08 |
| 09/05/2019 19:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 0.07 |
| 09/05/2019 21:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 4.17 |
| 09/05/2019 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 11.94 |
| 09/05/2019 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4 | 4.17 |
| 09/05/2019 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.33 |
| 09/05/2019 10:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.62 |
| 09/05/2019 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.99 |
| 09/05/2019 12:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.57 |
| 09/05/2019 13:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.79 |
| 09/05/2019 14:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.25 |
| 09/05/2019 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.36 |
| 09/05/2019 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.03 |
| 09/05/2019 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.37 |
| 09/05/2019 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.89 |
| 09/05/2019 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.0 |
| 09/05/2019 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 4.95 |
| 09/05/2019 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.79 |
| 09/05/2019 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.01 |
| 09/05/2019 07:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 30.7 |
| 09/05/2019 08:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 28.76 |
| 09/05/2019 09:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 26.82 |
| 09/05/2019 10:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 20.07 |
| 09/05/2019 11:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 20.61 |
| 09/05/2019 12:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 21.41 |
| 09/05/2019 13:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 26.43 |
| 09/05/2019 14:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 34.09 |
| 09/05/2019 15:00 | EDT | ADIRNDCK 230 PORTER 230 1 | 25082 | SIN:MSU1&7040& HQ GN&LD PROXY | 29.42 |
| 09/05/2019 01:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.02 |
| 09/05/2019 08:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 0.11 |
| 09/05/2019 09:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 9.13 |
| 09/05/2019 10:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 8.94 |
| 09/05/2019 11:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 9.27 |
| 09/05/2019 12:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 7.39 |
| 09/05/2019 13:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 6.7 |
| 09/05/2019 14:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 5.84 |
| 09/05/2019 15:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 5.65 |
| 09/05/2019 16:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 7.33 |
| 09/05/2019 17:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 6.54 |
| 09/05/2019 18:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 12.82 |
| 09/05/2019 19:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 6.09 |
| 09/05/2019 20:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 6.09 |
| 09/05/2019 21:00 | EDT | GOWANUS 138 GREENWD 138 1 | 25215 | TWR:GOETHALS 22 & 21 | 1.6 |
| 09/05/2019 18:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -25.54 |
| 09/05/2019 19:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -12.12 |
| 09/05/2019 20:00 | EDT | GREENWD 138 VERNON 138 1 | 25337 | TWR:GOETHALS 22 & 21 | -12.14 |
| 09/05/2019 13:00 | EDT | NEWBRDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |
| 09/05/2019 14:00 | EDT | NEWBRDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |
| 09/05/2019 15:00 | EDT | NEWBRDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |

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|------------------|-----|----------------------------|--------|-----------------------|---------|
| 09/05/2019 17:00 | EDT | NEWBRIDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |
| 09/05/2019 19:00 | EDT | NEWBRIDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |
| 09/05/2019 20:00 | EDT | NEWBRIDGE 138 RULAND 138 3 | 325379 | TWR:NEWBRDG 561& 562 | 0.03 |
| 09/05/2019 07:00 | EDT | NIAGARA 115 PACKARD 115 2 | 25099 | TWR:NIAGARA 61 & 191 | 32.07 |
| 09/05/2019 23:00 | EDT | NIAGARA 115 PACKARD 115 2 | 25099 | TWR:NIAGARA 61 & 191 | 0.09 |
| 09/05/2019 06:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -0.12 |
| 09/05/2019 07:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -19.38 |
| 09/05/2019 08:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -11.58 |
| 09/05/2019 09:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -15.68 |
| 09/05/2019 10:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -19.75 |
| 09/05/2019 11:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -24.19 |
| 09/05/2019 12:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -26.17 |
| 09/05/2019 13:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -31.26 |
| 09/05/2019 14:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -27.03 |
| 09/05/2019 15:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -25.27 |
| 09/05/2019 16:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -25.76 |
| 09/05/2019 17:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -25.14 |
| 09/05/2019 18:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -17.17 |
| 09/05/2019 19:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -20.59 |
| 09/05/2019 20:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -17.76 |
| 09/05/2019 21:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -10.88 |
| 09/05/2019 22:00 | EDT | NIAGARA 115 NIAGARA 230 1 | 25409 | TWR:PACKARD 62 & BP76 | -5.83 |
| 09/05/2019 06:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -1.9 |
| 09/05/2019 07:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -21.53 |
| 09/05/2019 08:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -133.32 |
| 09/05/2019 09:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -180.41 |
| 09/05/2019 10:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -227.07 |
| 09/05/2019 11:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -277.58 |
| 09/05/2019 12:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -300.28 |
| 09/05/2019 13:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -350.0 |
| 09/05/2019 14:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -310.07 |
| 09/05/2019 15:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -289.99 |
| 09/05/2019 16:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -295.54 |
| 09/05/2019 17:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -288.42 |
| 09/05/2019 18:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -197.2 |
| 09/05/2019 19:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -236.3 |
| 09/05/2019 20:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -203.93 |
| 09/05/2019 21:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -125.09 |
| 09/05/2019 22:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -67.23 |