

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 07/30/2020 00:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.15                 |
| 07/30/2020 02:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.94                 |
| 07/30/2020 03:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 1.48                 |
| 07/30/2020 04:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 3.82                 |
| 07/30/2020 05:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 6.83                 |
| 07/30/2020 10:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.39                 |
| 07/30/2020 11:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.02                 |
| 07/30/2020 18:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 1.7                  |
| 07/30/2020 19:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.49                 |
| 07/30/2020 20:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 3.44                 |
| 07/30/2020 22:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 3.05                 |
| 07/30/2020 23:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 3.46                 |
| 07/30/2020 06:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 2.2                  |
| 07/30/2020 07:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 2.37                 |
| 07/30/2020 08:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 2.03                 |
| 07/30/2020 09:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 1.51                 |
| 07/30/2020 16:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 0.78                 |
| 07/30/2020 12:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | BASE CASE   | -3.45                |
| 07/30/2020 14:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | BASE CASE   | -4.55                |
| 07/30/2020 15:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | BASE CASE   | -0.79                |
| 07/30/2020 16:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | BASE CASE   | -0.9                 |
| 07/30/2020 17:00 | EDT       | MOTTHAVN 345 DUNWODIE 345 1 | 25151         | BASE CASE   | -0.66                |
| 07/30/2020 07:00 | EDT       | E179THST 138 SHERMCRK 138 2 | 25157         | BASE CASE   | -0.79                |
| 07/30/2020 22:00 | EDT       | E179THST 138 SHERMCRK 138 2 | 25157         | BASE CASE   | -1.87                |
| 07/30/2020 07:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.06                 |
| 07/30/2020 08:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 1.16                 |
| 07/30/2020 09:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.91                 |
| 07/30/2020 10:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 1.16                 |
| 07/30/2020 11:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 1.54                 |
| 07/30/2020 12:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.67                 |
| 07/30/2020 21:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.04                 |
| 07/30/2020 22:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.02                 |
| 07/30/2020 00:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/30/2020 01:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/30/2020 02:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/30/2020 03:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/30/2020 04:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/30/2020 07:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.06                 |
| 07/30/2020 08:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 2.21                 |
| 07/30/2020 09:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 1.65                 |
| 07/30/2020 10:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 2.23                 |
| 07/30/2020 11:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 3.11                 |
| 07/30/2020 12:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 1.34                 |
| 07/30/2020 00:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 21.29                |
| 07/30/2020 07:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 4.57                 |
| 07/30/2020 08:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 5.32                 |
| 07/30/2020 09:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 4.3                  |
| 07/30/2020 10:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 8.41                 |
| 07/30/2020 11:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 13.04                |
| 07/30/2020 12:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 30.72                |
| 07/30/2020 13:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 19.79                |
| 07/30/2020 14:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 21.77                |
| 07/30/2020 15:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 21.3                 |
| 07/30/2020 16:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 17.69                |
| 07/30/2020 17:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 30.7                 |
| 07/30/2020 18:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 23.25                |
| 07/30/2020 19:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 19.21                |
| 07/30/2020 20:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 23.19                |
| 07/30/2020 21:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 72.84                |
| 07/30/2020 22:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 18.89                |
| 07/30/2020 23:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 5.01                 |
| 07/30/2020 11:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -1.04                |
| 07/30/2020 12:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -23.39               |

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|------------------|-----|-----------------------------|--------|----------------------------------|--------|
| 07/30/2020 21:00 | EDT | GREENWD 138 VERNON 138 1    | 25337  | BASE CASE                        | -57.42 |
| 07/30/2020 06:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | 1.42   |
| 07/30/2020 07:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | 2.0    |
| 07/30/2020 08:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | 1.36   |
| 07/30/2020 15:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | -1.21  |
| 07/30/2020 17:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | -1.51  |
| 07/30/2020 18:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | -3.12  |
| 07/30/2020 19:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                        | -0.82  |
| 07/30/2020 01:00 | EDT | NYCA ACTIVE DNI             | 990    | ACTIVE DNI                       | 0.1    |
| 07/30/2020 23:00 | EDT | NYCA ACTIVE DNI             | 990    | ACTIVE DNI                       | -0.02  |
| 07/30/2020 16:00 | EDT | BROWNFLS 115 TAYLORVL 115 2 | 26077  | BROWNFLS-TAYLORVL_115_3          | 47.33  |
| 07/30/2020 15:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 20.0   |
| 07/30/2020 16:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 12.56  |
| 07/30/2020 17:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 16.69  |
| 07/30/2020 18:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 21.48  |
| 07/30/2020 19:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 6.29   |
| 07/30/2020 20:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 43.43  |
| 07/30/2020 21:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12    | 0.67   |
| 07/30/2020 12:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 0.09   |
| 07/30/2020 13:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 3.79   |
| 07/30/2020 14:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 1.92   |
| 07/30/2020 15:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 9.88   |
| 07/30/2020 16:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 15.02  |
| 07/30/2020 17:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 15.32  |
| 07/30/2020 18:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 6.11   |
| 07/30/2020 19:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 2.0    |
| 07/30/2020 20:00 | EDT | NRTHPORT 138 PILGRIM 138 2  | 25308  | BUS:NRTHPRT<br>672&679&NNC&G1&IC | 2.75   |
| 07/30/2020 15:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164  | BUS:PACKARD BK3 & 61 & 78        | 69.34  |
| 07/30/2020 16:00 | EDT | PACKARD 230 SAWYER 230 1    | 25164  | BUS:PACKARD BK3 & 61 & 78        | 70.82  |
| 07/30/2020 05:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11        | 0.02   |
| 07/30/2020 06:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11        | 0.46   |
| 07/30/2020 09:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11        | 5.17   |
| 07/30/2020 07:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 1.65   |
| 07/30/2020 08:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 3.74   |
| 07/30/2020 10:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 2.65   |
| 07/30/2020 21:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 2.9    |
| 07/30/2020 22:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 1.91   |
| 07/30/2020 23:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12        | 0.07   |
| 07/30/2020 08:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -0.42  |
| 07/30/2020 09:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -2.37  |
| 07/30/2020 10:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -5.61  |
| 07/30/2020 11:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -11.68 |
| 07/30/2020 12:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -14.23 |
| 07/30/2020 13:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -15.75 |
| 07/30/2020 14:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -14.18 |
| 07/30/2020 15:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -21.45 |
| 07/30/2020 16:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -25.09 |
| 07/30/2020 17:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -25.3  |
| 07/30/2020 18:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -18.99 |
| 07/30/2020 19:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -13.27 |
| 07/30/2020 20:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -9.48  |
| 07/30/2020 21:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -5.59  |
| 07/30/2020 22:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -1.78  |
| 07/30/2020 23:00 | EDT | ELWOOD 138 NRTHPORT 138 1   | 25543  | NRTHPORT-ELWOOD___138_681        | -0.26  |
| 07/30/2020 20:00 | EDT | NRTHPORT 138 PILGRIM 138 3  | 25309  | NRTHPORT-PILGRIM___138_677       | 0.07   |
| 07/30/2020 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 38.42  |
| 07/30/2020 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 43.65  |
| 07/30/2020 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 32.17  |
| 07/30/2020 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 34.14  |
| 07/30/2020 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 50.93  |
| 07/30/2020 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4       | 82.82  |

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|------------------|-----|-----------------------------|-------|-------------------------------|--------|
| 07/30/2020 06:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 6.25   |
| 07/30/2020 07:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 6.76   |
| 07/30/2020 08:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 6.11   |
| 07/30/2020 09:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 5.88   |
| 07/30/2020 10:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 4.95   |
| 07/30/2020 11:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 1.73   |
| 07/30/2020 21:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 4.52   |
| 07/30/2020 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 36.37  |
| 07/30/2020 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244 | SCB:NEWBRDG 1380 461&BK6+4    | 43.73  |
| 07/30/2020 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 6.22   |
| 07/30/2020 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 7.4    |
| 07/30/2020 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.54   |
| 07/30/2020 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.77   |
| 07/30/2020 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.9    |
| 07/30/2020 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.24   |
| 07/30/2020 06:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.5    |
| 07/30/2020 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.96   |
| 07/30/2020 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 5.13   |
| 07/30/2020 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 4.06   |
| 07/30/2020 10:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.04   |
| 07/30/2020 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.24   |
| 07/30/2020 15:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.18   |
| 07/30/2020 16:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.59   |
| 07/30/2020 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.69   |
| 07/30/2020 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.86   |
| 07/30/2020 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.42   |
| 07/30/2020 06:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 4.75   |
| 07/30/2020 07:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 13.86  |
| 07/30/2020 08:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 22.26  |
| 07/30/2020 09:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 36.83  |
| 07/30/2020 10:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 45.28  |
| 07/30/2020 11:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 63.2   |
| 07/30/2020 12:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 81.09  |
| 07/30/2020 13:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 89.24  |
| 07/30/2020 14:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 104.06 |
| 07/30/2020 15:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 64.7   |
| 07/30/2020 16:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 71.27  |
| 07/30/2020 17:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 79.51  |
| 07/30/2020 18:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 58.59  |
| 07/30/2020 19:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 31.03  |
| 07/30/2020 20:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 43.08  |
| 07/30/2020 21:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 27.91  |
| 07/30/2020 22:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 16.96  |
| 07/30/2020 23:00 | EDT | BUFALO78 115 HUNTLEY 115 1  | 26043 | SIN:PACKARD-WALCK_RD_129      | 7.33   |
| 07/30/2020 07:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 9.43   |
| 07/30/2020 08:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 8.69   |
| 07/30/2020 09:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 7.09   |
| 07/30/2020 10:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 2.46   |
| 07/30/2020 23:00 | EDT | GOWANUS 138 GREENWD 138 1   | 25215 | TWR:GOETHALS 22 & 21          | 10.51  |
| 07/30/2020 13:00 | EDT | GREENWD 138 KENTAVE 138 1   | 25299 | TWR:GOETHALS 22 & 21          | -19.08 |
| 07/30/2020 00:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -42.42 |
| 07/30/2020 07:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -18.7  |
| 07/30/2020 08:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -15.04 |
| 07/30/2020 09:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -12.34 |
| 07/30/2020 10:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -14.7  |
| 07/30/2020 11:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -17.69 |
| 07/30/2020 12:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -11.74 |
| 07/30/2020 13:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -18.97 |
| 07/30/2020 14:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -43.34 |
| 07/30/2020 15:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -42.41 |
| 07/30/2020 16:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -35.21 |
| 07/30/2020 17:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -61.14 |
| 07/30/2020 18:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -46.29 |
| 07/30/2020 19:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -38.24 |
| 07/30/2020 20:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -46.16 |
| 07/30/2020 21:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -30.07 |
| 07/30/2020 22:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -37.48 |
| 07/30/2020 23:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22 & 21          | -20.99 |
| 07/30/2020 08:00 | EDT | HAUPPAUG 138 PILGRIM 138 1  | 25550 | TWR:HOLTSVILLE 881& 882& 880  | -8.37  |

|                  |     |                            |        |                              |         |
|------------------|-----|----------------------------|--------|------------------------------|---------|
| 07/30/2020 09:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -48.73  |
| 07/30/2020 10:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -114.75 |
| 07/30/2020 11:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -239.21 |
| 07/30/2020 12:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -289.66 |
| 07/30/2020 13:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -247.11 |
| 07/30/2020 14:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -252.26 |
| 07/30/2020 15:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -242.17 |
| 07/30/2020 16:00 | EDT | HAUPPAUG 138 PILGRIM 138 1 | 25550  | TWR:HOLTSVILLE 881& 882& 880 | -214.07 |
| 07/30/2020 00:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -3.91   |
| 07/30/2020 07:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -3.21   |
| 07/30/2020 17:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -212.27 |
| 07/30/2020 18:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -266.95 |
| 07/30/2020 19:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -231.83 |
| 07/30/2020 20:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -138.17 |
| 07/30/2020 21:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -114.45 |
| 07/30/2020 22:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -36.25  |
| 07/30/2020 23:00 | EDT | C_ISLIP 138 HAUPPAUG 138 1 | 25681  | TWR:HOLTSVILLE 881& 882& 880 | -5.08   |
| 07/30/2020 00:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562         | 0.76    |
| 07/30/2020 04:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562         | 0.03    |
| 07/30/2020 05:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562         | 0.03    |
| 07/30/2020 07:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562         | 0.68    |
| 07/30/2020 06:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 1.34    |
| 07/30/2020 07:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 4.07    |
| 07/30/2020 08:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 6.56    |
| 07/30/2020 09:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 10.99   |
| 07/30/2020 10:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 13.48   |
| 07/30/2020 11:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 18.84   |
| 07/30/2020 12:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 24.19   |
| 07/30/2020 13:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 26.63   |
| 07/30/2020 14:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 31.06   |
| 07/30/2020 15:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 5.78    |
| 07/30/2020 16:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 7.45    |
| 07/30/2020 17:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 28.2    |
| 07/30/2020 18:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 17.46   |
| 07/30/2020 19:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 9.22    |
| 07/30/2020 20:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 12.82   |
| 07/30/2020 21:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 8.29    |
| 07/30/2020 22:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 5.01    |
| 07/30/2020 23:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76        | 2.13    |
| 07/30/2020 17:00 | EDT | HUNTLEY 115 TWOMLCRK 115 1 | 26047  | TWR:PACKARD 77 & 78          | 46.65   |
| 07/30/2020 06:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -15.86  |
| 07/30/2020 07:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -45.58  |
| 07/30/2020 08:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -73.63  |
| 07/30/2020 09:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -123.22 |
| 07/30/2020 10:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -152.3  |
| 07/30/2020 11:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -212.59 |
| 07/30/2020 12:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -272.75 |
| 07/30/2020 13:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -300.16 |
| 07/30/2020 14:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -350.0  |
| 07/30/2020 15:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -325.6  |
| 07/30/2020 16:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -350.0  |
| 07/30/2020 17:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -317.16 |
| 07/30/2020 18:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -197.09 |
| 07/30/2020 19:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -104.37 |
| 07/30/2020 20:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -144.91 |
| 07/30/2020 21:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -93.9   |
| 07/30/2020 22:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -57.07  |
| 07/30/2020 23:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78          | -24.66  |