

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 08/05/2019 00:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 0.57                 |
| 08/05/2019 01:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 0.02                 |
| 08/05/2019 02:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 1.51                 |
| 08/05/2019 03:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 0.02                 |
| 08/05/2019 04:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 0.42                 |
| 08/05/2019 05:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 0.41                 |
| 08/05/2019 06:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 1.97                 |
| 08/05/2019 08:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 1.28                 |
| 08/05/2019 09:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 2.97                 |
| 08/05/2019 10:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 2.71                 |
| 08/05/2019 11:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 2.76                 |
| 08/05/2019 12:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.67                 |
| 08/05/2019 13:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.18                 |
| 08/05/2019 14:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.47                 |
| 08/05/2019 15:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.82                 |
| 08/05/2019 16:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 4.53                 |
| 08/05/2019 17:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.45                 |
| 08/05/2019 18:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 3.85                 |
| 08/05/2019 19:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 2.48                 |
| 08/05/2019 20:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 1.33                 |
| 08/05/2019 21:00 | EDT       | SCH - OH - NY               | 23317         | BASE CASE   | 1.05                 |
| 08/05/2019 02:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE   | -0.23                |
| 08/05/2019 03:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE   | -0.03                |
| 08/05/2019 04:00 | EDT       | SCH - NE - NY               | 23318         | BASE CASE   | -0.18                |
| 08/05/2019 02:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 1.75                 |
| 08/05/2019 03:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 0.98                 |
| 08/05/2019 04:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 1.06                 |
| 08/05/2019 05:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 3.08                 |
| 08/05/2019 14:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 2.49                 |
| 08/05/2019 15:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 4.03                 |
| 08/05/2019 16:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 4.12                 |
| 08/05/2019 20:00 | EDT       | SCH - HQ - NY               | 23324         | BASE CASE   | 3.05                 |
| 08/05/2019 00:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 4.05                 |
| 08/05/2019 01:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 6.07                 |
| 08/05/2019 02:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 1.01                 |
| 08/05/2019 03:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 1.11                 |
| 08/05/2019 04:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 1.07                 |
| 08/05/2019 05:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.96                 |
| 08/05/2019 06:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.83                 |
| 08/05/2019 07:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.59                 |
| 08/05/2019 12:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.42                 |
| 08/05/2019 13:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.24                 |
| 08/05/2019 18:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.88                 |
| 08/05/2019 19:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 0.14                 |
| 08/05/2019 22:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 2.9                  |
| 08/05/2019 23:00 | EDT       | DUNWODIE 345 SHORE_RD 345 1 | 25091         | BASE CASE   | 3.57                 |
| 08/05/2019 08:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 0.04                 |
| 08/05/2019 10:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 1.08                 |
| 08/05/2019 21:00 | EDT       | SPRNBK 345 EGRDNCTR 345 1   | 25105         | BASE CASE   | 0.44                 |
| 08/05/2019 23:00 | EDT       | E179THST 138 SHERMCRK 138 1 | 25156         | BASE CASE   | -0.27                |
| 08/05/2019 10:00 | EDT       | E179THST 138 SHERMCRK 138 2 | 25157         | BASE CASE   | -0.73                |
| 08/05/2019 09:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 1.15                 |
| 08/05/2019 10:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 1.62                 |
| 08/05/2019 11:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.58                 |
| 08/05/2019 12:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.33                 |
| 08/05/2019 21:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.77                 |
| 08/05/2019 23:00 | EDT       | E179THST 138 HELLGATE 138 1 | 25288         | BASE CASE   | 0.82                 |
| 08/05/2019 00:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 08/05/2019 01:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 08/05/2019 02:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 08/05/2019 03:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 08/05/2019 04:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 08/05/2019 09:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 2.3                  |

|                  |     |                             |        |                               |       |
|------------------|-----|-----------------------------|--------|-------------------------------|-------|
| 08/05/2019 10:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 3.2   |
| 08/05/2019 11:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 1.14  |
| 08/05/2019 12:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 0.65  |
| 08/05/2019 20:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 0.02  |
| 08/05/2019 21:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 1.57  |
| 08/05/2019 23:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                     | 1.63  |
| 08/05/2019 09:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 5.06  |
| 08/05/2019 10:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 5.4   |
| 08/05/2019 11:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 4.68  |
| 08/05/2019 12:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 2.67  |
| 08/05/2019 13:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 0.39  |
| 08/05/2019 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 0.9   |
| 08/05/2019 22:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 1.98  |
| 08/05/2019 23:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25319  | BASE CASE                     | 6.35  |
| 08/05/2019 14:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.02  |
| 08/05/2019 15:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.02  |
| 08/05/2019 16:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.02  |
| 08/05/2019 17:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.02  |
| 08/05/2019 18:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.46  |
| 08/05/2019 19:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 0.04  |
| 08/05/2019 20:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 2.01  |
| 08/05/2019 21:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 8.26  |
| 08/05/2019 22:00 | EDT | FRESHKLS 138 WILLWBRK 138 1 | 25320  | BASE CASE                     | 2.56  |
| 08/05/2019 10:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                     | 3.19  |
| 08/05/2019 08:00 | EDT | NYCA ACTIVE DNI             | 990    | ACTIVE DNI                    | 0.73  |
| 08/05/2019 21:00 | EDT | PJAC ACTIVE DNI             | 994    | ACTIVE DNI                    | -0.07 |
| 08/05/2019 16:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12 | 0.1   |
| 08/05/2019 17:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12 | 0.1   |
| 08/05/2019 18:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12 | 11.21 |
| 08/05/2019 20:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292&459&G2&IC9-12 | 0.02  |
| 08/05/2019 08:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.03  |
| 08/05/2019 09:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.14  |
| 08/05/2019 10:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 1.16  |
| 08/05/2019 11:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.11  |
| 08/05/2019 12:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.03  |
| 08/05/2019 22:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.15  |
| 08/05/2019 23:00 | EDT | MOTTHAVN 345 RAINEY 345 2   | 325431 | MOTTHAVN-RAINEY___345_Q11     | 0.3   |
| 08/05/2019 07:00 | EDT | MOTTHAVN 345 RAINEY 345 1   | 325430 | MOTTHAVN-RAINEY___345_Q12     | 0.07  |
| 08/05/2019 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 48.35 |
| 08/05/2019 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 72.31 |
| 08/05/2019 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 12.14 |
| 08/05/2019 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 13.26 |
| 08/05/2019 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 12.83 |
| 08/05/2019 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 11.54 |
| 08/05/2019 06:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 10.0  |
| 08/05/2019 07:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 10.19 |
| 08/05/2019 08:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 7.16  |
| 08/05/2019 09:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 6.03  |
| 08/05/2019 10:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 5.15  |
| 08/05/2019 11:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 4.53  |
| 08/05/2019 12:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 5.09  |
| 08/05/2019 13:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 2.94  |
| 08/05/2019 19:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 2.24  |
| 08/05/2019 20:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 4.48  |
| 08/05/2019 21:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 6.88  |
| 08/05/2019 22:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 41.23 |
| 08/05/2019 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | SCB:NEWBRDG 1380 461&BK6+4    | 42.57 |
| 08/05/2019 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.55  |
| 08/05/2019 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.31  |
| 08/05/2019 09:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.04  |
| 08/05/2019 10:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 3.06  |
| 08/05/2019 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.78  |
| 08/05/2019 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.12  |
| 08/05/2019 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 0.78  |
| 08/05/2019 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 2.08  |
| 08/05/2019 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49&M29&Y49_ST | 1.16  |
| 08/05/2019 07:00 | EDT | SCRIBA 345 VOLNEY 345 1     | 25204  | SCRIBA_-VOLNEY___345_21       | 1.33  |
| 08/05/2019 08:00 | EDT | SCRIBA 345 VOLNEY 345 1     | 25204  | SCRIBA_-VOLNEY___345_21       | 18.64 |
| 08/05/2019 09:00 | EDT | SCRIBA 345 VOLNEY 345 1     | 25204  | SCRIBA_-VOLNEY___345_21       | 22.15 |

|                  |     |                            |        |                          |         |
|------------------|-----|----------------------------|--------|--------------------------|---------|
| 08/05/2019 10:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 27.23   |
| 08/05/2019 11:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 33.15   |
| 08/05/2019 12:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 38.06   |
| 08/05/2019 13:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 43.35   |
| 08/05/2019 14:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 51.25   |
| 08/05/2019 15:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 58.87   |
| 08/05/2019 16:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 67.18   |
| 08/05/2019 17:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 69.11   |
| 08/05/2019 18:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 53.2    |
| 08/05/2019 19:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 44.46   |
| 08/05/2019 20:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 39.16   |
| 08/05/2019 21:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 29.89   |
| 08/05/2019 22:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 17.99   |
| 08/05/2019 23:00 | EDT | SCRIBA 345 VOLNEY 345 1    | 25204  | SCRIBA__VOLNEY__345_21   | 9.34    |
| 08/05/2019 09:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 8.85    |
| 08/05/2019 10:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 9.0     |
| 08/05/2019 11:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 6.51    |
| 08/05/2019 12:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 11.79   |
| 08/05/2019 13:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 16.42   |
| 08/05/2019 14:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 19.57   |
| 08/05/2019 15:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 20.31   |
| 08/05/2019 16:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 35.3    |
| 08/05/2019 17:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 30.35   |
| 08/05/2019 19:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 0.28    |
| 08/05/2019 20:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 0.59    |
| 08/05/2019 22:00 | EDT | BUFALO78 115 HUNTLEY 115 1 | 26043  | SIN:PACKARD-WALCK_RD_129 | 4.68    |
| 08/05/2019 09:00 | EDT | GOWANUS 138 GREENWD 138 1  | 25215  | TWR:GOETHALS 22 & 21     | 8.14    |
| 08/05/2019 10:00 | EDT | GOWANUS 138 GREENWD 138 1  | 25215  | TWR:GOETHALS 22 & 21     | 4.88    |
| 08/05/2019 22:00 | EDT | GOWANUS 138 GREENWD 138 1  | 25215  | TWR:GOETHALS 22 & 21     | 9.51    |
| 08/05/2019 23:00 | EDT | GOWANUS 138 GREENWD 138 1  | 25215  | TWR:GOETHALS 22 & 21     | 11.57   |
| 08/05/2019 09:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -13.95  |
| 08/05/2019 10:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -9.4    |
| 08/05/2019 11:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -7.0    |
| 08/05/2019 12:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -3.99   |
| 08/05/2019 13:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -0.74   |
| 08/05/2019 18:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -2.69   |
| 08/05/2019 19:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -0.05   |
| 08/05/2019 20:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -3.96   |
| 08/05/2019 21:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -13.38  |
| 08/05/2019 22:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -19.02  |
| 08/05/2019 23:00 | EDT | GREENWD 138 VERNON 138 1   | 25337  | TWR:GOETHALS 22 & 21     | -21.5   |
| 08/05/2019 03:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562     | 0.03    |
| 08/05/2019 07:00 | EDT | NEWBRDGE 138 RULAND 138 3  | 325379 | TWR:NEWBRDG 561& 562     | 0.03    |
| 08/05/2019 07:00 | EDT | NIAGARA 115 PACKARD 115 2  | 25099  | TWR:NIAGARA 61 & 191     | 0.08    |
| 08/05/2019 08:00 | EDT | NIAGARA 115 PACKARD 115 2  | 25099  | TWR:NIAGARA 61 & 191     | 0.08    |
| 08/05/2019 23:00 | EDT | NIAGARA 115 PACKARD 115 2  | 25099  | TWR:NIAGARA 61 & 191     | 0.08    |
| 08/05/2019 09:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 3.31    |
| 08/05/2019 10:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 3.36    |
| 08/05/2019 11:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 2.44    |
| 08/05/2019 12:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 4.39    |
| 08/05/2019 13:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 6.1     |
| 08/05/2019 14:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 7.26    |
| 08/05/2019 15:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 7.54    |
| 08/05/2019 16:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 13.07   |
| 08/05/2019 17:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 11.24   |
| 08/05/2019 19:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 0.04    |
| 08/05/2019 20:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 0.26    |
| 08/05/2019 22:00 | EDT | NIAGARA 230 PACKARD 230 1  | 25186  | TWR:PACKARD 62 & BP76    | 1.67    |
| 08/05/2019 09:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -37.33  |
| 08/05/2019 10:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -37.94  |
| 08/05/2019 11:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -27.66  |
| 08/05/2019 12:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -49.48  |
| 08/05/2019 13:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -68.58  |
| 08/05/2019 14:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -81.57  |
| 08/05/2019 15:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -84.62  |
| 08/05/2019 16:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -146.49 |
| 08/05/2019 17:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -126.07 |
| 08/05/2019 18:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -0.49   |
| 08/05/2019 19:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055  | TWR:PACKARD 77 & 78      | -1.18   |

|                  |     |                            |       |                     |        |
|------------------|-----|----------------------------|-------|---------------------|--------|
| 08/05/2019 20:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -3.24  |
| 08/05/2019 21:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -0.49  |
| 08/05/2019 22:00 | EDT | NIAGB130 115 PACKARD 115 1 | 26055 | TWR:PACKARD 77 & 78 | -19.34 |