

# Day Ahead Limiting Constraints

| Time Stamp       | Time Zone | Limiting Facility           | Facility PTID | Contingency | Constraint Cost (\$) |
|------------------|-----------|-----------------------------|---------------|-------------|----------------------|
| 07/20/2012 15:00 | EDT       | ASTORIAW 138 QUENBRDG 138 1 | 25315         | BASE CASE   | 0.02                 |
| 07/20/2012 16:00 | EDT       | ASTORIAW 138 QUENBRDG 138 1 | 25315         | BASE CASE   | 0.02                 |
| 07/20/2012 17:00 | EDT       | ASTORIAW 138 QUENBRDG 138 1 | 25315         | BASE CASE   | 0.02                 |
| 07/20/2012 00:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 1.43                 |
| 07/20/2012 07:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 5.96                 |
| 07/20/2012 08:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 4.05                 |
| 07/20/2012 09:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 2.84                 |
| 07/20/2012 10:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 0.64                 |
| 07/20/2012 19:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 0.35                 |
| 07/20/2012 20:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 1.2                  |
| 07/20/2012 21:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 2.46                 |
| 07/20/2012 22:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 5.23                 |
| 07/20/2012 23:00 | EDT       | E179THST 138 HELLTP_W 138 1 | 25288         | BASE CASE   | 6.22                 |
| 07/20/2012 00:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -12.61               |
| 07/20/2012 01:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -3.49                |
| 07/20/2012 02:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -0.15                |
| 07/20/2012 03:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -0.3                 |
| 07/20/2012 04:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -0.11                |
| 07/20/2012 23:00 | EDT       | FREEPORT 138 NEWBRDGE 138 1 | 25155         | BASE CASE   | -0.14                |
| 07/20/2012 00:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 2.88                 |
| 07/20/2012 05:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 0.03                 |
| 07/20/2012 06:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 0.03                 |
| 07/20/2012 07:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 11.97                |
| 07/20/2012 08:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 8.14                 |
| 07/20/2012 09:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 17.24                |
| 07/20/2012 10:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 15.78                |
| 07/20/2012 11:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 15.73                |
| 07/20/2012 12:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 35.75                |
| 07/20/2012 13:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 70.2                 |
| 07/20/2012 14:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 69.59                |
| 07/20/2012 15:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 69.01                |
| 07/20/2012 16:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 65.5                 |
| 07/20/2012 17:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 70.76                |
| 07/20/2012 18:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 82.16                |
| 07/20/2012 19:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 19.8                 |
| 07/20/2012 20:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 60.76                |
| 07/20/2012 21:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 60.77                |
| 07/20/2012 22:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 23.44                |
| 07/20/2012 23:00 | EDT       | FRESHKLS 138 WILLWBRK 138 1 | 25319         | BASE CASE   | 12.48                |
| 07/20/2012 10:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -7.74                |
| 07/20/2012 11:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -15.65               |
| 07/20/2012 12:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -35.58               |
| 07/20/2012 13:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -69.88               |
| 07/20/2012 14:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -69.28               |
| 07/20/2012 15:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -68.7                |
| 07/20/2012 16:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -65.21               |
| 07/20/2012 17:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -70.44               |
| 07/20/2012 18:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -77.91               |
| 07/20/2012 19:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -18.6                |
| 07/20/2012 20:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -57.83               |
| 07/20/2012 21:00 | EDT       | GREENWD 138 VERNON 138 1    | 25337         | BASE CASE   | -51.48               |
| 07/20/2012 00:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 2.9                  |
| 07/20/2012 01:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/20/2012 02:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.02                 |
| 07/20/2012 07:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 12                   |
| 07/20/2012 08:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 8.15                 |
| 07/20/2012 09:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 5.71                 |
| 07/20/2012 10:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 1.29                 |
| 07/20/2012 19:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 0.71                 |
| 07/20/2012 20:00 | EDT       | RAINEY 138 VERNON 138 1     | 25297         | BASE CASE   | 2.42                 |

|                  |     |                             |        |                            |       |
|------------------|-----|-----------------------------|--------|----------------------------|-------|
| 07/20/2012 21:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                  | 4.96  |
| 07/20/2012 22:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                  | 10.53 |
| 07/20/2012 23:00 | EDT | RAINEY 138 VERNON 138 1     | 25297  | BASE CASE                  | 12.54 |
| 07/20/2012 11:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 5.19  |
| 07/20/2012 12:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 3.73  |
| 07/20/2012 13:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 3.92  |
| 07/20/2012 14:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 1.81  |
| 07/20/2012 18:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 2.9   |
| 07/20/2012 19:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 2.34  |
| 07/20/2012 20:00 | EDT | SCH - HQ - NY               | 23324  | BASE CASE                  | 2.52  |
| 07/20/2012 00:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 5.77  |
| 07/20/2012 01:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 3.52  |
| 07/20/2012 02:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 1.74  |
| 07/20/2012 03:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 0.98  |
| 07/20/2012 04:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 0.76  |
| 07/20/2012 05:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 1.78  |
| 07/20/2012 06:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 2.1   |
| 07/20/2012 09:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 1.56  |
| 07/20/2012 10:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 3.59  |
| 07/20/2012 21:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 1.72  |
| 07/20/2012 23:00 | EDT | SCH - HQ_IMPORT_EXPORT      | 325376 | BASE CASE                  | 5.12  |
| 07/20/2012 21:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                  | 19.39 |
| 07/20/2012 22:00 | EDT | SCH - NPX_1385              | 325277 | BASE CASE                  | 3.12  |
| 07/20/2012 00:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.44  |
| 07/20/2012 01:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.21  |
| 07/20/2012 02:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 2.02  |
| 07/20/2012 03:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.84  |
| 07/20/2012 04:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.66  |
| 07/20/2012 05:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.65  |
| 07/20/2012 06:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.8   |
| 07/20/2012 07:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.46  |
| 07/20/2012 08:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.11  |
| 07/20/2012 10:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.18  |
| 07/20/2012 11:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.04  |
| 07/20/2012 12:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 3.58  |
| 07/20/2012 13:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.81  |
| 07/20/2012 14:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.34  |
| 07/20/2012 17:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.02  |
| 07/20/2012 18:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 2.85  |
| 07/20/2012 19:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.51  |
| 07/20/2012 20:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 0.61  |
| 07/20/2012 21:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 12.5  |
| 07/20/2012 22:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 2.65  |
| 07/20/2012 23:00 | EDT | SPRNBK 345 EGRDNCTR 345 1   | 25105  | BASE CASE                  | 1.93  |
| 07/20/2012 00:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | BUS:BARRETT 292 & 459 & G2 | 98.04 |
| 07/20/2012 01:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 27.19 |
| 07/20/2012 02:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 1.23  |
| 07/20/2012 03:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 2.44  |
| 07/20/2012 04:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 0.94  |
| 07/20/2012 05:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 0.08  |
| 07/20/2012 23:00 | EDT | EGRDNCTY 138 VALLYSTR 138 1 | 25244  | FREEPORT-NEWBRIDGE_138_461 | 1.18  |
| 07/20/2012 00:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.95  |
| 07/20/2012 01:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 2.54  |
| 07/20/2012 02:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 4.25  |
| 07/20/2012 03:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 3.87  |
| 07/20/2012 04:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 3.49  |
| 07/20/2012 05:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 3.48  |
| 07/20/2012 06:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 3.79  |
| 07/20/2012 07:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.99  |
| 07/20/2012 10:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.39  |
| 07/20/2012 11:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.1   |
| 07/20/2012 12:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 7.51  |
| 07/20/2012 13:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 3.8   |
| 07/20/2012 14:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.73  |
| 07/20/2012 17:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 0.06  |
| 07/20/2012 18:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 5.97  |
| 07/20/2012 19:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091  | SCB:SPBK(RNS2):Y49 & M29   | 1.1   |

|                  |     |                             |       |                           |        |
|------------------|-----|-----------------------------|-------|---------------------------|--------|
| 07/20/2012 20:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29  | 1.29   |
| 07/20/2012 21:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29  | 26.15  |
| 07/20/2012 22:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29  | 5.57   |
| 07/20/2012 23:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SCB:SPBK(RNS2):Y49 & M29  | 4.06   |
| 07/20/2012 08:00 | EDT | DUNWODIE 345 SHORE_RD 345 1 | 25091 | SPRNBK-EGRDNCTR-Y49       | 0.25   |
| 07/20/2012 09:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -18.76 |
| 07/20/2012 10:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -10.91 |
| 07/20/2012 18:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -6.94  |
| 07/20/2012 19:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -0.65  |
| 07/20/2012 20:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -0.4   |
| 07/20/2012 21:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -6.69  |
| 07/20/2012 22:00 | EDT | GREENWD 138 VERNON 138 1    | 25337 | TWR:GOETHALS 22, 21,A2253 | -21.04 |
| 07/20/2012 11:00 | EDT | NIAGARA 230 PACKARD 230 2   | 25220 | TWR:NIAGARA 61 & 64       | 1.75   |
| 07/20/2012 12:00 | EDT | NIAGARA 230 PACKARD 230 2   | 25220 | TWR:NIAGARA 61 & 64       | 5.49   |
| 07/20/2012 15:00 | EDT | NIAGARA 230 PACKARD 230 2   | 25220 | TWR:NIAGARA 61 & 64       | 4.25   |
| 07/20/2012 16:00 | EDT | NIAGARA 230 PACKARD 230 2   | 25220 | TWR:NIAGARA 61 & 64       | 7.11   |