

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 1,700 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 3,726 MW |
| Hydro | 2,135 MW |
| Distillate | 0 MW |
| Total TNB | 7,561 MW |
| Total IPP | 9,793 MW |
| Total Co-Gen | 28 MW |
| Total System | 17,382 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| ST-Coal | 33,419 | 10.24 % |
| Gas | 73,243 | 22.44 % |
| Hydro | 15,227 | 4.66 % |
| Total TNB | 121,889 | 37.34 % |
| ST-Coal | 91,818 | 28.13 % |
| ST-Gas | 11,400 | 3.49 % |
| Gas | 100,563 | 30.81 % |
| Total IPP | 203,781 | 62.43 % |
| Co-Gen | 664 | 0.20 % |
| Total Co-Gen | 664 | 0.20 % |
| Total Generation | 326,334 | 99.97 % |
| PLTG | -84 | -0.03 % |
| Interconnection | -84 | -0.03 % |
| Net Energy | 326,418 | 100.00 % |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 6/11/2014 | 16,901 MW |
| Date: 6/24/2014 | 355,911 MWH |

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:00:00 Hour |
| Total Set On Bus | 17,208 MW |
| TNB Generation | 6,445 MW |
| IPP Generation | 9,601 MW |
| Spinning Reserve | 1,139 MW |
| Maximum Demand | 16,070 MW |
| Net Energy | 326,418 MWH |
| Load Factor | 84.63 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 49,289,724.15 RM |
| Cost per Unit | 15.84 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 243 |
| Hydro | 577 |
| Syncon | 247 |
| Thermal | 115 |
| Total | 1,182 |

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot | 35 |
| Morning | Sunny | 25 |

Gas Usage

| Station | (mmscfd) |
|---------------------------|--------------|
| CBPS | 24 |
| CBPS | 57 |
| GLGR | 54 |
| NPRI | 30 |
| PAKA | 179 |
| PGGS | 10 |
| PGPS | 49 |
| SRDG | 25 |
| TJGS | 1 |
| Total TNB | 429 |
| KLPP | 109 |
| MPSS | 1 |
| PDPS | 48 |
| PGLA | 114 |
| PKLG | 15 |
| PLPS | 104 |
| PTEK | 57 |
| SGB3 | 97 |
| SGRI | 206 |
| SKSP | 56 |
| PKLG | 111 |
| Total IPP | 919 |
| Total Gas | 1,349 |
| Total Gas Required | 1,349 |

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|----------|
| Total | 0 |

Hourly System MW Generation

| | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 12343 | 11747 | 11213 | 10910 | 10631 | 10557 | 10891 | 11031 | 11608 | 13615 | 14560 | 15324 | 15272 | 15066 | 15595 | 15953 | 16070 | 15825 | 14727 | 14162 | 15144 | 14993 | 14546 | 14128 |

Daily MW Generation on Monday

| Station | Unit | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| KNRG | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KNYR | HY01 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| KNYR | HY02 | 0 | 0 | 0 | 0 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| KNYR | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KNYR | HY04 | 56 | 99 | 59 | 101 | 85 | 90 | 61 | 59 | 62 | 82 | 61 | 80 | 89 | 61 | 61 | 52 | 59 | 60 | 68 | 53 | 101 | 54 | 61 | 99 |
| LPIA | HY01 | 8 | 9 | 9 | 9 | 9 | 10 | 9 | 9 | 9 | 10 | 9 | 9 | 8 | 9 | 9 | 8 | 10 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| LPIA | HY02 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| MINOR | HY01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| PGAU | HY01 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 20 | 13 | -1 | -1 | -1 | 84 | 19 | 19 | 20 | 20 | 20 | 20 | 20 | 20 |
| PGAU | HY02 | -1 | -1 | 21 | 21 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| PGAU | HY03 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| PGAU | HY04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIHY | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIHY | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIHY | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TMGR | HY01 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| TMGR | HY02 | 32 | 40 | 36 | 38 | 41 | 40 | 35 | 37 | 36 | 42 | 40 | 44 | 38 | 38 | 31 | 36 | 37 | 78 | 27 | 39 | 44 | 49 | 52 | 42 |
| TMGR | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TMGR | HY04 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| UPLA | HY01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| UPLA | HY02 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Hydro | | 189 | 242 | 220 | 264 | 229 | 233 | 198 | 198 | 200 | 227 | 203 | 223 | 236 | 244 | 215 | 184 | 197 | 199 | 343 | 266 | 342 | 868 | 1101 | 1147 |
| Total Distillate | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PCUF | CUFK | 28 | 30 | 30 | 30 | 28 | 27 | 30 | 29 | 30 | 30 | 28 | 31 | 30 | 29 | 30 | 31 | 29 | 30 | 31 | 30 | 29 | 27 | 26 | 27 |
| Total Co-Gen | | 28 | 30 | 30 | 30 | 28 | 27 | 30 | 29 | 30 | 30 | 28 | 31 | 30 | 29 | 30 | 31 | 29 | 30 | 31 | 30 | 29 | 27 | 26 | 27 |
| Total Gen | | 1237 | 1198 | 1169 | 1186 | 1162 | 1119 | 1087 | 1074 | 1061 | 1059 | 1050 | 1071 | 1083 | 1119 | 1160 | 1107 | 1163 | 1269 | 1368 | 1414 | 1449 | 1497 | 1530 | 1546 |
| TIE-EGAT | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TIE-HVDC | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TIE-PLTG | | -6 | -86 | -55 | -79 | -51 | 40 | -23 | 3 | -21 | -21 | -17 | -31 | -8 | 5 | 29 | 68 | 57 | -17 | -7 | 95 | -68 | 19 | -22 | |
| Interconnection | | -6 | -86 | -55 | -79 | -51 | 40 | -23 | 3 | -21 | -21 | -17 | -31 | -8 | 5 | 29 | 68 | 57 | -17 | -7 | 95 | -68 | 19 | -22 | |
| System Total | | 1234 | 1194 | 1174 | 1166 | 1123 | 1107 | 1091 | 1074 | 1063 | 1061 | 1057 | 1074 | 1089 | 1118 | 1103 | 1103 | 1168 | 1266 | 1361 | 1405 | 1480 | 1495 | 1532 | 1546 |
| SRev ST-Coal | | 9 | 13 | 8 | 6 | -20 | 10 | 29 | -133 | -7 | -97 | -185 | 112 | 126 | 120 | 111 | 122 | 117 | 113 | 97 | 108 | 107 | 113 | 116 | |
| SRev OCGT-Gas | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRev CCGT-Gas | | 326 | 698 | 388 | 598 | 480 | 607 | 721 | 1024 | 1224 | 1356 | 1475 | 1357 | 1189 | 896 | 1303 | 1677 | 1201 | 574 | 206 | 117 | 59 | 81 | 57 | |
| SRev ST-Gas | | -1 | 47 | 79 | 76 | 75 | 75 | 73 | 73 | 74 | 74 | 74 | 74 | 74 | 74 | 75 | 75 | 74 | 81 | 16 | 0 | -2 | -2 | -2 | -2 |
| SRev Co-Gen | | 0 | -2 | -2 | -2 | 0 | 1 | -2 | -1 | -2 | -2 | 0 | -3 | -2 | -1 | -2 | -3 | -1 | -2 | -3 | -2 | -1 | 1 | 2 | |
| Syncon | | 726 | 726 | 575 | 575 | 726 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 | 827 |
| Hydro | | 128 | 75 | 248 | 204 | 88 | 83 | 118 | 118 | 116 | 89 | 113 | 93 | 80 | 374 | 252 | 132 | 119 | 117 | 124 | 499 | 422 | 821 | 714 | |
| S.Reserve Total | | 1288 | 1657 | 1396 | 1557 | 1449 | 1603 | 1766 | 1908 | 2332 | 2347 | 2382 | 2460 | 2294 | 1988 | 2415 | 2830 | 2337 | 1710 | 1202 | 1549 | 1329 | 1404 | 1164 | |