

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 2,070 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 3,699 MW |
| Hydro | 1,766 MW |
| Distillate | 0 MW |
| Total TNB | 7,535 MW |
| Total IPP | 9,975 MW |
| Total Co-Gen | 0 MW |
| Total System | 17,795 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| ST-Coal | 48,746 | 17.07 % |
| Gas | 56,890 | 19.92 % |
| Hydro | 7,156 | 2.51 % |
| Total TNB | 112,792 | 39.50 % |
| ST-Coal | 91,727 | 32.13 % |
| Gas | 79,808 | 27.95 % |
| Total IPP | 171,535 | 60.08 % |
| Co-Gen | 1,115 | 0.39 % |
| Total Co-Gen | 1,115 | 0.39 % |
| Total Generation | 285,442 | 99.97 % |
| PLTG | 616 | 0.22 % |
| HVDC | -701 | -0.25 % |
| Interconnection | -85 | -0.03 % |
| Net Energy | 285,527 | 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: | 21:00:00 Hour |
| Total Set On Bus | 14,507 MW |
| TNB Generation | 5,414 MW |
| IPP Generation | 8,039 MW |
| Spinning Reserve | 1,009 MW |
| Maximum Demand | 13,482 MW |
| Net Energy | 285,527 MWH |
| Load Factor | 88.24 % |

Fuel Cost

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 226 |
| Hydro | 181 |
| Syncon | 493 |
| Thermal | 27 |
| Total | 927 |

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot | 32 |
| Morning | Sunny | 27 |

Gas Usage

| Station | (mmscfd) |
|---------------------------|--------------|
| CBPS | 34 |
| GLGR | 47 |
| PAKA | 125 |
| PGPS | 29 |
| SRDG | 5 |
| TJGS | 186 |
| Total TNB | 426 |
| KLPP | 25 |
| MPSS | 40 |
| PGLA | 83 |
| PLPS | 98 |
| SGB3 | 0 |
| SGRI | 152 |
| SKSP | 52 |
| YPGS | 58 |
| YPKA | 114 |
| Total IPP | 622 |
| Total Gas | 1,048 |
| Total Gas Required | 1,048 |

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 | 12626 | 12050 | 11732 | 11401 | 10999 | 10849 | 10820 | 10653 | 10175 | 10738 | 11166 | 11816 | 12049 | 11977 | 12291 | 12294 | 12357 | 12104 | 11822 | 12260 | 13414 | 13482 | 13392 | 12918 |

Daily MW Generation on Sunday

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| PCUF | CUFK | 38 | 37 | 38 | 38 | 38 | 36 | 37 | 41 | 40 | 38 | 39 | 39 | 39 | 39 | 38 | 39 | 38 | 38 | 39 | 38 | 36 | 35 | 35 | 35 | 33 | 32 | 31 | 29 | 30 | 31 | 32 | 29 | 30 | 31 | 30 | 31 | 30 | 31 | 32 | 33 | 35 | 34 | 33 | 35 | 36 | 37 | | | |
| Total Co-Gen | | 53 | 51 | 52 | 51 | 53 | 49 | 50 | 53 | 54 | 51 | 53 | 50 | 52 | 51 | 51 | 50 | 51 | 50 | 49 | 49 | 48 | 46 | 45 | 45 | 45 | 42 | 42 | 41 | 38 | 39 | 42 | 45 | 41 | 41 | 42 | 41 | 42 | 41 | 41 | 41 | 43 | 44 | 45 | 44 | 44 | 45 | 47 | 47 | |
| Total Gen | | 12610 | 12277 | 12024 | 11884 | 11674 | 11352 | 11315 | 11041 | 10945 | 10903 | 10825 | 10772 | 10812 | 10898 | 10667 | 10489 | 10148 | 10554 | 10768 | 10891 | 11205 | 11527 | 11767 | 11934 | 12102 | 12093 | 12062 | 12029 | 12253 | 12433 | 12386 | 12336 | 12340 | 12382 | 12216 | 11843 | 11799 | 11741 | 12186 | 13203 | 13447 | 13508 | 13499 | 13382 | 13399 | 13110 | 12893 | 12826 | |
| 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 | 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 | | -29 | -30 | -30 | -30 | -29 | -29 | -28 | -28 | -29 | -29 | -30 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -30 | -30 | -28 | -28 | -29 | -30 | -29 | -29 | -29 | -29 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -28 | -30 | -30 | -29 | -29 | -29 | | | |
| TIE-PLTG | | 13 | 18 | 3 | -36 | -30 | -15 | -57 | -28 | -26 | 71 | 4 | -28 | 21 | 0 | 42 | 161 | 0 | 64 | 58 | 50 | 68 | -6 | -20 | -64 | 82 | 70 | 114 | 5 | -11 | 145 | 120 | 38 | 11 | 30 | 141 | 25 | 5 | 29 | -46 | -16 | 60 | 54 | 44 | -14 | 35 | 25 | 3 | 18 | |
| Interconnection | | -17 | -11 | -27 | -66 | -59 | -44 | -87 | -56 | -55 | 42 | -25 | -58 | -9 | -28 | 13 | 132 | -28 | 34 | 29 | 21 | 38 | -36 | -50 | -93 | 52 | 40 | 84 | -23 | -39 | 116 | 91 | 9 | -18 | 0 | 111 | -4 | -24 | 0 | -75 | -45 | 32 | 26 | 16 | -44 | 6 | -4 | -26 | -11 | |
| System Total | | 12626 | 12287 | 12050 | 11949 | 11732 | 11395 | 11401 | 11096 | 10999 | 10860 | 10849 | 10829 | 10820 | 10949 | 10653 | 10356 | 10175 | 10519 | 10738 | 10869 | 11166 | 11562 | 11816 | 12026 | 12049 | 12052 | 11977 | 12051 | 12291 | 12316 | 12294 | 12326 | 12357 | 12381 | 12104 | 11846 | 11822 | 11740 | 12260 | 13271 | 13414 | 13481 | 13482 | 13425 | 13392 | 13113 | 12918 | 12836 | |
| SRev ST-Coal | | 25 | 33 | 37 | 34 | 27 | 107 | 103 | 108 | 30 | 30 | 41 | 35 | 33 | 23 | 29 | 68 | 80 | 40 | 16 | 51 | 40 | 26 | -1 | 10 | 37 | 28 | 57 | 20 | 30 | 64 | 69 | 24 | 24 | 32 | 59 | 39 | 26 | 28 | 10 | 39 | 43 | 34 | 34 | 43 | 36 | 42 | 19 | 19 | |
| 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 | 0 | 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 | | 490 | 618 | 621 | 432 | 614 | 562 | 457 | 718 | 914 | 977 | 1032 | 1075 | 1029 | 980 | 1163 | 1272 | 1621 | 1260 | 1073 | 900 | 642 | 519 | 469 | 544 | 260 | 311 | 305 | 513 | 227 | 343 | 364 | 494 | 455 | 399 | 524 | 938 | 1002 | 1109 | 848 | 214 | 144 | 77 | 94 | 37 | -104 | 184 | 104 | 91 | |
| SRev ST-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 | 0 | 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 Co-Gen | | 23 | 25 | 24 | 25 | 23 | 27 | 26 | 23 | 22 | 25 | 23 | 26 | 24 | 25 | 25 | 26 | 25 | 26 | 27 | 27 | 28 | 30 | 31 | 31 | 31 | 34 | 34 | 35 | 38 | 37 | 34 | 31 | 35 | 35 | 34 | 35 | 34 | 35 | 35 | 35 | 33 | 32 | 31 | 32 | 32 | 31 | 29 | 29 | |
| Syncon | | 725 | 725 | 624 | 624 | 473 | 624 | 624 | 473 | 473 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 624 | 625 | 537 | 537 | 386 | 537 | 537 | 537 | 537 | 537 | 537 | 537 | 625 | 474 | 543 | 725 | 725 | 725 | 725 | 725 | 725 | | |
| Hydro | | 103 | 108 | 97 | 123 | 221 | 100 | 86 | 100 | 254 | 230 | 93 | 106 | 116 | 215 | 130 | 159 | 140 | 134 | 142 | 157 | 144 | 87 | 153 | 198 | 138 | 132 | 140 | 75 | 124 | 132 | 138 | 257 | 123 | 129 | 144 | 122 | 104 | 106 | 81 | 213 | 214 | 130 | 124 | 141 | 172 | 193 | 131 | 116 | |
| S.Reserve Total | | 1366 | 1509 | 1403 | 1238 | 1358 | 1420 | 1296 | 1573 | 1693 | 1735 | 1813 | 1866 | 1826 | 1716 | 1971 | 2149 | 2490 | 2084 | 1882 | 1759 | 1478 | 1286 | 1276 | 1357 | 1191 | 1230 | 1261 | 1368 | 1144 | 1300 | 1329 | 1379 | 1361 | 1319 | 1485 | 1858 | 1890 | 2002 | 1699 | 1167 | 1079 | 1000 | 1009 | 978 | 861 | 1175 | 1008 | 980 | |