

Availability At Daily Maximum Demand Hour

| | | |
|---------------------|---------------|-----------|
| ST-Coal | 2,070 | MW |
| ST-Gas | 0 | MW |
| ST-Oil | 70 | MW |
| Gas | 3,804 | MW |
| Hydro | 1,855 | MW |
| Distillate | 0 | MW |
| Total TNB | 7,799 | MW |
| Total IPP | 9,389 | MW |
| Total Co-Gen | 52 | MW |
| System Total | 17,240 | MW |

Set On Bus, TNB, IPP And MD

| | | |
|--------------------------------------|---------|-----|
| At Daily Maximum Demand Hour : 16:00 | | |
| TNB Generation | 7,094 | MW |
| IPP Generation | 8,391 | MW |
| Total Set On Bus | 16,504 | MW |
| Maximum Demand | 15,588 | MW |
| Spinning Reserve | 967 | MW |
| Net Energy | 314,440 | MWH |
| Load Factor | 84.0 | % |

Maximum Demand Record

| | | |
|---------------|------------|---------------|
| Date : | 13/05/2013 | 16,562.0 MW |
| Date : | 25/06/2013 | 345,254.0 MWH |

Hourly System MW Generation

| | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 11513 | 10951 | 10587 | 10187 | 10140 | 10099 | 10326 | 10445 | 11399 | 13304 | 14180 | 14822 | 14875 | 14649 | 15317 | 15439 | 15588 | 15099 | 14184 | 14185 | 14750 | 14437 | 13767 | 13459 |

Gas Usage

| Station | (mmscfd) |
|------------------------------|---------------|
| CBPS | 96 |
| GLGR | 50 |
| PAKA | 186 |
| PGGS | 5 |
| PGPS | 45 |
| SRDG | 69 |
| TJGS | 111 |
| TNB Total | 562 |
| KLPP | 82 |
| MPSS | 58 |
| PDPS | 56 |
| PGLA | 57 |
| PKLG | 111 |
| PLPS | 78 |
| PTEK | 69 |
| SGB3 | 24 |
| SGRI | 201 |
| SKSP | 35 |
| YPGS | 30 |
| YPKA | 114 |
| IPP Total | 917 |
| Total Gas | 1,479 |
| Total Gas Required : | 1,479 |
| Gas Calorific Value : | 38,500 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 49,561.00 | 15.76 % |
| Gas | 67,278.00 | 21.40 % |
| Hydro | 18,359.00 | 5.84 % |
| Total TNB | 135,198.0 | 43.00 % |
| ST-Coal | 66,674.0 | 21.20 % |
| ST-Gas | 10,801.0 | 3.43 % |
| Gas | 99,266.0 | 31.57 % |
| Total IPP | 176,741.0 | 56.21 % |
| Co-Gen | 1,327.0 | 0.42 % |
| Total Co-Gen | 1,327.0 | 0.42 % |
| Total Generation | 313,266.0 | 99.63 % |
| PLTG | -474.0 | -0.15 % |
| HVDC | -700.0 | -0.22 % |
| Interconnection | -1,174.0 | -0.37 % |
| Net Energy | 314,440.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 334 |
| Hydro | 185 |
| Syncon | 318 |
| Thermal | 86 |
| Total | 923 |

| | Weather | Temperature |
|-----------|---------|-------------|
| Morning | Sunny | 28 |
| Afternoon | Hot | 32 |

| 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 |
|------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| KNYR | HY03 | 99 | 99 | 100 | 100 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| KNYR | HY04 | 94 | 95 | 95 | 95 | 95 | 95 | 94 | 94 | 94 | 94 | 94 | 101 | 93 | 92 | 92 | 92 | 92 | 92 | 92 | 94 | 94 | 94 | 94 | 93 |
| LPJA | HY01 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 24 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| MNOR | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 6 | 6 | 6 |
| PGAU | HY01 | -1 | 18 | 21 | -1 | -1 | -1 | -1 | -1 | -1 | 21 | -1 | -1 | -1 | -1 | -1 | -1 | 84 | 109 | 109 | 108 | 110 | 110 | 83 | -1 |
| PGAU | HY02 | -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 | HY03 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 82 | 81 | 81 | 81 | 66 | -1 | -1 | -1 |
| PGAU | HY04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 85 | 110 | 110 | 110 | 111 | 111 | 103 | 0 |
| SIHY | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 49 | 50 | 49 | 42 | 30 | 30 | 49 | 49 | 49 |
| SIHY | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 50 |
| SIHY | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 50 | 50 | 33 | 30 | 30 | 50 | 50 | 50 |
| SYPS | HY01 | 16 | 16 | 16 | 16 | 16 | 16 | 25 | 25 | 0 | 0 | 25 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY02 | 16 | 16 | 16 | 16 | 16 | 16 | 25 | 25 | 25 | 25 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY03 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 25 | 24 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SYPS | HY04 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TMGR | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 65 | 77 | 53 | 59 | 62 | 61 | 62 | 78 | 78 |
| TMGR | HY02 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 62 | 82 | 53 | 59 | 61 | 60 | 63 | 80 | 83 | 81 |
| TMGR | HY03 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 62 | 62 | 78 | 53 | 59 | 60 | 59 | 62 | 58 | 61 |
| TMGR | HY04 | 31 | 33 | 40 | 37 | 35 | 33 | 30 | 35 | 35 | 35 | 38 | 33 | 35 | 34 | 26 | 32 | 31 | 76 | 58 | 33 | 52 | 43 | 75 | 63 |
| UPIA | HY01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| UPIA | HY02 | 2 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hydro | | 489 | 407 | 422 | 395 | 406 | 417 | 493 | 499 | 514 | 511 | 493 | 507 | 511 | 496 | 466 | 446 | 453 | 731 | 472 | 446 | 474 | 773 | 1027 | 1205 |
| PCUF | CUFK | 17 | 16 | 17 | 17 | 16 | 16 | 17 | 16 | 16 | 17 | 17 | 18 | 18 | 18 | 16 | 16 | 14 | 14 | 15 | 14 | 15 | 14 | 15 | 13 |
| PCUF | CUFK | 41 | 40 | 41 | 38 | 41 | 38 | 42 | 40 | 41 | 38 | 39 | 41 | 40 | 39 | 39 | 43 | 40 | 40 | 41 | 39 | 39 | 42 | 40 | 40 |
| Total Co-Gen | | 58 | 56 | 58 | 55 | 57 | 54 | 59 | 56 | 57 | 55 | 55 | 58 | 57 | 56 | 57 | 61 | 58 | 56 | 57 | 53 | 53 | 57 | 54 | 55 |
| Total Gen | | 11475 | 11156 | 10819 | 10649 | 10558 | 10488 | 10169 | 10122 | 10064 | 10014 | 10059 | 10075 | 10304 | 10617 | 10548 | 10758 | 11376 | 12380 | 13246 | 13805 | 14100 | 14433 | 14733 | 15054 |
| 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 | | -29 | -29 | -29 | -29 | -30 | -30 | -29 | -29 | -29 | -30 | -29 | -29 | -29 | -29 | -29 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 |
| TIE-PLTG | | -9 | 29 | -103 | 5 | 1 | 40 | 11 | -38 | -47 | 44 | -10 | -57 | 8 | -59 | 132 | -18 | 6 | -2 | -29 | 42 | -51 | -45 | -60 | |
| Interconnection | | -38 | 0 | -132 | -24 | -29 | 10 | -18 | -67 | -76 | 15 | -40 | -86 | -22 | -88 | 103 | -47 | -23 | -31 | -58 | 12 | -80 | -74 | -89 | |
| System Total | | 11513 | 11156 | 10951 | 10673 | 10587 | 10478 | 10187 | 10189 | 10140 | 9999 | 10099 | 10161 | 10326 | 10705 | 10445 | 10805 | 11399 | 12411 | 13304 | 13793 | 14180 | 14507 | 14822 | 15049 |
| SRev ST-Coal | | 133 | 102 | 122 | 113 | 104 | 113 | 102 | 110 | 102 | 116 | 102 | 102 | 106 | 103 | 115 | 103 | 114 | 107 | 93 | 103 | 103 | 99 | 90 | |
| SRev SI-Gas | | -3 | 70 | 73 | 71 | 71 | 73 | 72 | 71 | 71 | 72 | 72 | 73 | 73 | 72 | 72 | 71 | 81 | 14 | 0 | -1 | -1 | 0 | 0 | 0 |
| SRev ST-Oil | | 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 | | 293 | 451 | 442 | 553 | 700 | 768 | 831 | 870 | 952 | 983 | 1001 | 1002 | 772 | 735 | 763 | 978 | 866 | 355 | 444 | 303 | 144 | 139 | 196 | |
| SRev CCGT-Gas | | 34 | 33 | 33 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 19 | 98 | 110 | 108 | 51 | 91 | 174 | |
| SRev Co-Gen | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Syncon | | 625 | 474 | 474 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 474 | 625 | 474 | 625 | 625 | 388 | 625 | 625 | 625 | 539 | 453 | 302 | 302 | |
| Hydro | | 102 | 237 | 222 | 98 | 87 | 136 | 115 | 109 | 92 | 95 | 88 | 225 | 95 | 261 | 140 | 110 | 103 | 62 | 84 | 110 | 92 | 174 | | |
| S.Reserve Total | | 1189 | 1372 | 1371 | 1499 | 1592 | 1720 | 1745 | 1785 | 1844 | 1893 | 1890 | 1878 | 1673 | 1647 | 1717 | 1889 | 1791 | 1154 | 1267 | 1240 | 1075 | 1061 | 958 | |