

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 1,380 MW |
| ST-Gas | 70 MW |
| ST-Oil | 0 MW |
| Gas | 3,432 MW |
| Hydro | 1,769 MW |
| Distillate | 0 MW |
| Total TNB | 6,651 MW |
| Total IPP | 10,727 MW |
| Total Co-Gen | 40 MW |
| System Total | 17,418 MW |

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

| | |
|------------------|-------------|
| TNB Generation | 5,932 MW |
| IPP Generation | 10,266 MW |
| Total Set On Bus | 17,210 MW |
| Maximum Demand | 16,196 MW |
| Spinning Reserve | 972 MW |
| Net Energy | 330,292 MWH |
| Load Factor | 85.0 % |

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 | 12606 | 12093 | 11598 | 11150 | 10820 | 10726 | 10874 | 10995 | 11680 | 13757 | 14731 | 15443 | 15517 | 15291 | 15706 | 16059 | 16146 | 15719 | 14602 | 14195 | 15212 | 15167 | 14618 | 14170 |

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| CBPS | 102 |
| GLGR | 16 |
| PAKA | 98 |
| PGGS | 14 |
| PGPS | 63 |
| SRDG | 83 |
| TJGS | 113 |
| TNB Total | 489 |
| KLPP | 100 |
| MPSS | 57 |
| PDPS | 54 |
| PGLA | 116 |
| PKLG | 141 |
| PLPS | 109 |
| PTEK | 61 |
| SGB3 | 108 |
| SGRI | 152 |
| SKSP | 55 |
| YPGS | 67 |
| YPKA | 33 |
| IPP Total | 1,053 |
| Total Gas | 1,542 |

Total Gas Required : 1,542
Gas Calorific Value : 38.500

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 33,053.00 | 10.01 % |
| ST-Gas | 929.00 | 0.28 % |
| Gas | 55,823.00 | 16.90 % |
| Hydro | 17,027.00 | 5.16 % |
| Total TNB | 106,832.0 | 32.34 % |
| ST-Coal | 95,817.0 | 29.01 % |
| ST-Gas | 10,431.0 | 3.16 % |
| Gas | 116,874.0 | 35.39 % |
| Total IPP | 223,122.0 | 67.55 % |
| Co-Gen | 1,062.0 | 0.32 % |
| Total Co-Gen | 1,062.0 | 0.32 % |
| Total Generation | 331,016.0 | 100.22 % |
| PLTG | 89.0 | 0.03 % |
| HVDC | 635.0 | 0.19 % |
| Interconnection | 724.0 | 0.22 % |
| Net Energy | 330,292.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 369 |
| Hydro | 143 |
| Syncon | 311 |
| Thermal | 114 |
| Total | 937 |

Weather Temperature

| | Weather | Temperature |
|-----------|---------|-------------|
| Morning | Sunny | 25 |
| Afternoon | Hot | 33 |

| 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 HY02 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| KNYR HY03 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 |
| KNYR 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 |
| LPIA HY01 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| MNOR HY01 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| PGAU 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 |
| 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 | -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 | 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 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 |
| TMGR HY04 | 34 | 36 | 36 | 33 | 36 | 39 | 36 | 38 | 35 | 35 | 34 | 36 | 34 | 45 | 30 | 37 | 31 | 39 | 43 | 28 | 38 | 45 | 35 | 78 |
| UPIA 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 |
| Total Hydro | 488 | 456 | 456 | 453 | 457 | 451 | 449 | 451 | 447 | 447 | 467 | 450 | 469 | 460 | 313 | 265 | 442 | 457 | 632 | 591 | 578 | 739 | 760 | |
| PCUF CUF8 | 30 | 31 | 29 | 31 | 29 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | 26 | 27 | |
| PCUF CUFK | 15 | 16 | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 15 | |
| Total Co-Gen | 45 | 47 | 45 | 46 | 44 | 46 | 46 | 45 | 45 | 46 | 46 | 47 | 46 | 47 | 46 | 46 | 47 | 48 | 48 | 44 | 44 | 43 | 43 | |
| Total Gen | 12654 | 12392 | 12040 | 11799 | 11605 | 11320 | 11132 | 10911 | 10899 | 10784 | 10763 | 10954 | 10960 | 11255 | 11112 | 11142 | 11820 | 12899 | 13631 | 14624 | 14695 | 15104 | 15448 | |
| 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 | 31 | 30 | 30 | 30 | 31 | 31 | 29 | 29 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 |
| TIE-PLTG | 77 | 25 | -24 | 57 | -23 | 19 | -48 | -7 | 48 | 11 | 8 | 30 | 55 | -38 | 88 | 51 | 110 | -75 | -156 | 135 | -66 | -179 | -28 | |
| Interconnection | 48 | -4 | -53 | 88 | 7 | 49 | -18 | 23 | 79 | 42 | 37 | 59 | 86 | -7 | 117 | 80 | 140 | -45 | -126 | 165 | -36 | -149 | 2 | |
| System Total | 12606 | 12396 | 12093 | 11711 | 11598 | 11271 | 11150 | 10888 | 10820 | 10742 | 10726 | 10895 | 10874 | 11262 | 10995 | 11062 | 11680 | 12944 | 13757 | 14459 | 14731 | 15253 | 15443 | |
| SRev ST-Coal | 117 | 118 | 121 | 116 | 117 | 116 | 119 | 127 | 113 | 116 | 115 | 121 | 175 | 177 | 169 | 121 | 141 | 153 | 120 | 120 | 115 | 114 | 126 | |
| SRev ST-Gas | 14 | 25 | 22 | 28 | 0 | 1 | 1 | 71 | 35 | 58 | 59 | 32 | 22 | 56 | 113 | 79 | 79 | 49 | 11 | -1 | -7 | -6 | 51 | |
| SRev CCGT-Gas | 428 | 223 | 294 | 562 | 756 | 1047 | 1222 | 1470 | 1545 | 1705 | 1751 | 1686 | 1716 | 1527 | 1558 | 1418 | 950 | 284 | 210 | 294 | 200 | 190 | 179 | |
| SRev CCGT-Gas | 144 | 24 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 54 | 242 | 268 | 27 | 147 | 208 | 142 | 116 | |
| 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 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 474 | 625 | 474 | |
| Hydro | 63 | 63 | 63 | 66 | 62 | 68 | 70 | 68 | 72 | 72 | 203 | 69 | 201 | 59 | 207 | 150 | 88 | 73 | 186 | 226 | 239 | 178 | 209 | |
| S.Reserve Total | 1391 | 1078 | 1225 | 1497 | 1660 | 1957 | 2137 | 2461 | 2490 | 2676 | 2702 | 2633 | 2688 | 2544 | 2772 | 2598 | 1883 | 1184 | 1055 | 1355 | 1204 | 977 | 1101 | |