

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 1,290 MW |
| ST-Gas | 155 MW |
| ST-Oil | 0 MW |
| Gas | 3,786 MW |
| Hydro | 1,837 MW |
| Distillate | 60 MW |
| Total TNB | 7,128 MW |
| Total IPP | 10,626 MW |
| Total Co-Gen | 94 MW |
| System Total | 17,848 MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 15:00 | |
| TNB Generation | 5,078 MW |
| IPP Generation | 8,952 MW |
| Total Set On Bus | 15,144 MW |
| Maximum Demand | 14,200 MW |
| Spinning Reserve | 1,020 MW |
| Net Energy | 286,524 MWH |
| Load Factor | 84.1 % |

Maximum Demand Record

| | | |
|--------|------------|---------------|
| Date : | 09/05/2011 | 15,476.0 MW |
| Date : | 10/05/2011 | 318,459.0 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 | 10467 | 10205 | 9894 | 9516 | 9214 | 9236 | 9443 | 9611 | 10508 | 12305 | 13081 | 13823 | 13719 | 13545 | 13885 | 14200 | 14053 | 13733 | 12912 | 13085 | 13363 | 12897 | 12533 | 11963 |

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| CBPS | 51 |
| GLGR | 56 |
| PAKA | 133 |
| SRDG | 12 |
| TJGS | 154 |
| TNB Total | 406 |
| KLPP | 103 |
| MPSS | 46 |
| PLPS | 110 |
| SGB3 | 80 |
| SGRI | 139 |
| SKSP | 50 |
| YPGS | 23 |
| YPKA | 112 |
| IPP Total | 662 |
| Total Gas | 1,068 |

Total Gas Required : 1,164
Gas Calorific Value : 38.500

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|-----------|
| PKLG | 97 |
| Total | 97 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 28,571.00 | 9.97 % |
| Gas | 54,576.00 | 19.05 % |
| Hydro | 18,447.00 | 6.44 % |
| Total TNB | 101,594.0 | 35.46 % |
| ST-Coal | 85,518.0 | 29.85 % |
| ST-Oil | 9,405.0 | 3.28 % |
| Gas | 88,143.0 | 30.76 % |
| Total IPP | 183,066.0 | 63.89 % |
| Co-Gen | 2,410.0 | 0.84 % |
| Total Co-Gen | 2,410.0 | 0.84 % |
| Total Generation | 287,070.0 | 100.19 % |
| PLTG | -175.0 | -0.06 % |
| HVDC | 721.0 | 0.25 % |
| Interconnection | 546.0 | 0.19 % |
| Net Energy | 286,524.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 354 |
| Hydro | 384 |
| Syncon | 182 |
| Thermal | 25 |
| Total | 945 |

| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|---|
| Total Hydro | | 744 | 754 | 751 | 503 | 556 | 474 | 500 | 484 | 384 | 311 | 455 | 460 | 431 | 406 | 407 | 486 | 497 | 512 | 566 | 645 | 731 | 904 | 1450 | 1444 | 1224 | 1040 | 1017 | 961 | 1204 | 1262 | 1299 | 1262 | 1220 | 1178 | 989 | 883 | 866 | 675 | 618 | 965 | 935 | 859 | 670 | 641 | 581 | 554 | 608 | 612 | | |
| PCUF | CUFG | 53 | 52 | 53 | 51 | 52 | 53 | 51 | 53 | 53 | 51 | 53 | 53 | 53 | 53 | 51 | 53 | 52 | 54 | 53 | 53 | 53 | 52 | 52 | 51 | 52 | 52 | 53 | 51 | 52 | 51 | 54 | 52 | 54 | 52 | 53 | 52 | 53 | 53 | 52 | 53 | 54 | 54 | 53 | 54 | 52 | 52 | 51 | | | |
| PCUF | CUFK | 41 | 41 | 41 | 39 | 39 | 42 | 43 | 40 | 39 | 39 | 40 | 39 | 40 | 41 | 40 | 41 | 41 | 41 | 39 | 41 | 41 | 41 | 40 | 41 | 41 | 41 | 41 | 39 | 42 | 42 | 43 | 40 | 40 | 41 | 39 | 42 | 41 | 41 | 41 | 40 | 41 | 41 | 39 | 42 | 40 | 39 | 42 | 40 | | |
| Total Co-Gen | | 94 | 93 | 94 | 90 | 91 | 95 | 96 | 91 | 92 | 92 | 91 | 92 | 93 | 94 | 93 | 92 | 94 | 91 | 95 | 94 | 94 | 94 | 92 | 93 | 93 | 92 | 93 | 94 | 94 | 94 | 92 | 95 | 91 | 95 | 93 | 94 | 94 | 92 | 94 | 95 | 93 | 95 | 94 | 91 | 94 | 91 | | | | |
| Total Gen | | 10514 | 10317 | 10224 | 10016 | 9894 | 9645 | 9508 | 9511 | 9228 | 9068 | 9216 | 9244 | 9528 | 9593 | 9651 | 9764 | 10428 | 11559 | 12297 | 12822 | 13171 | 13541 | 13790 | 13995 | 13778 | 13634 | 13579 | 13685 | 13926 | 14036 | 14124 | 14018 | 14040 | 14040 | 13779 | 13262 | 13003 | 12775 | 13026 | 13570 | 13363 | 13420 | 13016 | 12969 | 12662 | 12281 | 11929 | 11585 | | |
| 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 | 0 | | |
| TIE-HVDC | | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 31 | 31 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 29 | 30 | 30 | | | |
| TIE-PLTG | | 17 | -2 | -11 | 123 | -31 | -31 | -39 | -1 | -16 | 6 | -50 | 11 | 55 | 15 | 10 | -71 | -110 | -6 | -38 | -35 | 61 | 14 | -62 | -46 | 29 | -62 | 4 | 36 | 10 | -55 | -105 | -12 | -43 | -4 | 16 | -24 | 61 | 14 | -90 | -79 | -31 | -1 | 89 | -87 | 100 | 71 | -64 | -44 | | |
| Interconnection | | 47 | 28 | 19 | 153 | 0 | 0 | -8 | 30 | 14 | 36 | -20 | 41 | 85 | 45 | 40 | -41 | -80 | 24 | -8 | -6 | 90 | 43 | -33 | -16 | 59 | -32 | 34 | 67 | 41 | -26 | -76 | 18 | -13 | 26 | 46 | 6 | 91 | 44 | -59 | -48 | 0 | 30 | 119 | -57 | 129 | 100 | -34 | -14 | | |
| System Total | | 10467 | 10289 | 10205 | 9863 | 9894 | 9645 | 9516 | 9481 | 9214 | 9032 | 9236 | 9203 | 9443 | 9548 | 9611 | 9805 | 10508 | 11535 | 12305 | 12828 | 13081 | 13498 | 13823 | 14011 | 13719 | 13666 | 13545 | 13618 | 13885 | 14062 | 14200 | 14000 | 14053 | 14014 | 13733 | 13256 | 12912 | 12731 | 13085 | 13618 | 13363 | 13390 | 12897 | 13026 | 12533 | 12181 | 11963 | 11599 | | |
| SRev ST-Coal | | 3 | 167 | 208 | 167 | 348 | 337 | 361 | 357 | 357 | 355 | 355 | 358 | 358 | 355 | 355 | 341 | 19 | 25 | 24 | 30 | 25 | 35 | 17 | 21 | 38 | 31 | 26 | 28 | 31 | 34 | 33 | 25 | 20 | 18 | 70 | 68 | 34 | 50 | 46 | 22 | 18 | 28 | 26 | 31 | 19 | 24 | 25 | | | |
| 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 ST-Oil | | 28 | 28 | 28 | 28 | 29 | 29 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 33 | 33 | 33 | 36 | 10 | 4 | 14 | 19 | 25 | 2 | -46 | 24 | 15 | 7 | 4 | 4 | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 4 | 15 | 15 | |
| SRev CCGT-Gas | | 718 | 560 | 610 | 607 | 701 | 891 | 895 | 876 | 1060 | 1145 | 1140 | 1114 | 872 | 911 | 1036 | 1142 | 754 | 646 | 511 | 412 | 379 | 292 | 478 | 404 | 442 | 407 | 453 | 484 | 488 | 434 | 376 | 384 | 330 | 296 | 270 | 555 | 702 | 669 | 280 | 81 | 350 | 221 | 335 | 287 | 388 | 519 | 492 | 516 | | |
| 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 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 | 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 | | 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 | 0 |
| Syncon | | 625 | 625 | 625 | 625 | 625 | 474 | 625 | 625 | 626 | 626 | 626 | 626 | 475 | 475 | 626 | 626 | 625 | 625 | 625 | 625 | 625 | 237 | 237 | 388 | 539 | 539 | 539 | 388 | 388 | 388 | 388 | 388 | 388 | 625 | 625 | 625 | 625 | 625 | 474 | 474 | 474 | 625 | 625 | 625 | 625 | 625 | 625 | | | |
| Hydro | | 126 | 116 | 119 | 117 | 64 | 146 | 271 | 136 | 236 | 208 | 64 | 59 | 88 | 264 | 263 | 33 | 23 | 108 | 54 | 118 | 108 | 110 | 140 | 146 | 215 | 248 | 271 | 327 | 235 | 177 | 140 | 177 | 219 | 261 | 63 | 69 | 86 | 84 | 41 | 125 | 268 | 344 | 282 | 76 | 136 | 104 | 50 | 46 | | |
| S.Reserve Total | | 1500 | 1496 | 1590 | 1544 | 1767 | 2028 | 2029 | 2022 | 2306 | 2362 | 2213 | 2185 | 1972 | 2036 | 2162 | 2189 | 1777 | 1434 | 1225 | 1183 | 1156 | 1071 | 915 | 878 | 1094 | 1329 | 1384 | 1457 | 1217 | 1108 | 1020 | 1061 | 1037 | 1040 | 1017 | 1320 | 1482 | 1413 | 997 | 727 | 1156 | 1100 | 1272 | 1016 | 1182 | 1271 | 1206 | 1227 | | |