

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 2,030 MW |
| ST-Gas | 70 MW |
| ST-Oil | 0 MW |
| Gas | 3,325 MW |
| Hydro | 1,811 MW |
| Distillate | 0 MW |
| Total TNB | 7,236 MW |
| Total IPP | 10,201 MW |
| Total Co-Gen | 79 MW |
| System Total | 18,080 MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 20:30 | |
| TNB Generation | 5,451 MW |
| IPP Generation | 7,398 MW |
| Total Set On Bus | 13,927 MW |
| Maximum Demand | 12,915 MW |
| Spinning Reserve | 999 MW |
| Net Energy | 274,744 MWH |
| Load Factor | 88.6 % |

Maximum Demand Record

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

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 | 12245 | 11727 | 11433 | 11171 | 10625 | 10593 | 10511 | 10323 | 9833 | 10404 | 10973 | 11596 | 11465 | 11420 | 11555 | 11725 | 11695 | 11598 | 11424 | 12065 | 12831 | 12718 | 12425 | 12207 |

Gas Usage

| Station | (mmscfd) |
|------------------------------|---------------|
| CBPS | 36 |
| GLGR | 65 |
| PAKA | 139 |
| PGPS | 33 |
| SRDG | 8 |
| TJGS | 113 |
| TNB Total | 394 |
| KLPP | 113 |
| MPSS | 41 |
| PGLA | 116 |
| PLPS | 101 |
| PTEK | 1 |
| SGRI | 196 |
| SKSP | 36 |
| YPKA | 53 |
| IPP Total | 657 |
| Total Gas | 1,051 |
| Total Gas Required : | 1,051 |
| Gas Calorific Value : | 38,500 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 48,884.00 | 17.79 % |
| Gas | 49,151.00 | 17.89 % |
| Hydro | 9,853.00 | 3.59 % |
| Total TNB | 107,888.0 | 39.27 % |
| ST-Coal | 79,477.0 | 28.93 % |
| Gas | 85,808.0 | 31.23 % |
| Total IPP | 165,285.0 | 60.16 % |
| Co-Gen | 1,870.0 | 0.68 % |
| Total Co-Gen | 1,870.0 | 0.68 % |
| Total Generation | 275,043.0 | 100.11 % |
| PLTG | -428.0 | -0.16 % |
| HVDC | 727.0 | 0.26 % |
| Interconnection | 299.0 | 0.11 % |
| Net Energy | 274,744.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 261 |
| Hydro | 164 |
| Syncon | 437 |
| Thermal | 83 |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| FLPS | GT11 | 118 | 134 | 147 | 125 | 147 | 147 | 134 | 134 | 134 | 132 | 145 | 144 | 145 | 133 | 146 | 114 | 114 | 127 | 114 | 114 | 142 | 142 | 128 | 128 | 146 | 125 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | 151 | | | | | | | | |
| Total CCGT-Gas | | 6277 | 6130 | 5785 | 5623 | 5495 | 5283 | 5204 | 5123 | 5042 | 4920 | 4913 | 4901 | 4913 | 4819 | 4770 | 4540 | 4412 | 4763 | 4914 | 5090 | 5366 | 5542 | 5588 | 5567 | 5541 | 5623 | 5706 | 5814 | 5848 | 5800 | 5846 | 5837 | 5847 | 5699 | 5797 | 5761 | 5823 | 5854 | 6128 | 6391 | 6393 | 6334 | 6119 | 6289 | 6316 | 6522 | 6296 | 5974 |
| Total CCGT-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 |
| Total Hydro | | 500 | 441 | 349 | 554 | 357 | 516 | 403 | 338 | 207 | 242 | 239 | 231 | 226 | 240 | 216 | 200 | 190 | 326 | 294 | 260 | 216 | 341 | 568 | 617 | 506 | 355 | 310 | 265 | 270 | 407 | 386 | 373 | 380 | 363 | 241 | 189 | 184 | 185 | 471 | 902 | 1037 | 1060 | 1031 | 775 | 555 | 515 | 474 | 537 |
| Total Co-Gen | | 77 | 79 | 78 | 78 | 79 | 79 | 76 | 78 | 79 | 79 | 80 | 79 | 80 | 78 | 80 | 78 | 80 | 76 | 76 | 77 | 78 | 76 | 76 | 76 | 77 | 77 | 79 | 77 | 78 | 76 | 76 | 77 | 77 | 78 | 77 | 79 | 78 | 78 | 77 | 78 | 77 | 79 | 79 | 77 | 79 | 81 | 79 | 80 |

| 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 Gen | | 12297 | 12038 | 11659 | 11664 | 11363 | 11286 | 11100 | 10936 | 10719 | 10581 | 10563 | 10543 | 10544 | 10463 | 10365 | 10055 | 9842 | 10219 | 10481 | 10707 | 10945 | 11322 | 11597 | 11625 | 11487 | 11429 | 11458 | 11539 | 11572 | 11665 | 11693 | 11665 | 11687 | 11642 | 11621 | 11412 | 11472 | 11552 | 12033 | 12713 | 12856 | 12928 | 12743 | 12772 | 12513 | 12590 | 12311 | 11989 | | | |
| 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 | 0 | 0 | |
| TIE-HVDC | | 30 | 30 | 30 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 30 | 29 | 30 | | |
| TIE-PLTG | | 22 | -51 | -98 | 23 | -101 | -82 | -102 | 34 | 64 | -86 | -61 | -35 | 2 | -47 | 12 | -28 | -21 | 112 | 47 | -29 | -59 | -16 | -29 | 12 | -9 | -105 | 8 | -29 | -13 | -21 | -63 | -5 | -39 | 11 | -7 | -4 | 18 | 33 | -63 | -55 | -5 | -16 | -4 | 8 | 58 | -15 | 75 | -97 | | | |
| Interconnection | | 52 | -21 | -68 | 54 | -70 | -51 | -71 | 64 | 94 | -55 | -30 | -4 | 33 | -17 | 42 | 2 | 9 | 142 | 77 | 2 | -28 | 14 | 1 | 43 | 22 | -75 | 38 | 1 | 17 | 10 | -32 | 26 | -8 | 41 | 23 | 26 | 48 | 64 | -32 | -25 | 25 | 13 | 25 | 38 | 88 | 14 | 104 | -67 | | | |
| System Total | | 12245 | 12059 | 11727 | 11610 | 11433 | 11337 | 11171 | 10872 | 10625 | 10636 | 10593 | 10547 | 10511 | 10480 | 10323 | 10053 | 9833 | 10077 | 10404 | 10705 | 10973 | 11308 | 11596 | 11582 | 11465 | 11504 | 11420 | 11538 | 11555 | 11655 | 11725 | 11639 | 11695 | 11601 | 11598 | 11586 | 11424 | 11488 | 12065 | 12738 | 12831 | 12915 | 12718 | 12734 | 12425 | 12576 | 12207 | 12056 | | | |
| SRev ST-Coal | | 95 | 114 | 55 | 93 | 70 | 94 | 88 | 105 | 110 | 162 | 170 | 170 | 177 | 177 | 188 | 250 | 327 | 424 | 283 | 200 | 195 | 117 | 115 | 115 | 117 | 106 | 117 | 97 | 104 | 98 | 95 | 102 | 97 | 98 | 99 | 97 | 93 | 101 | 123 | 98 | 96 | 98 | 103 | 97 | 105 | 92 | 99 | 93 | | | |
| 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 | 0 | |
| SRev CCGT-Gas | | 305 | 239 | 164 | 326 | 454 | 151 | 185 | 176 | 257 | 379 | 386 | 398 | 386 | 390 | 439 | 669 | 797 | 936 | 785 | 679 | 403 | 137 | 231 | 372 | 418 | 266 | 323 | 285 | 251 | 339 | 293 | 302 | 292 | 440 | 342 | 588 | 626 | 595 | 426 | 213 | 211 | 270 | 485 | 315 | 288 | 132 | 358 | 120 | | | |
| 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 | 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 | 0 |
| Syncon | | 625 | 625 | 726 | 424 | 576 | 424 | 424 | 424 | 726 | 726 | 726 | 726 | 726 | 726 | 726 | 726 | 726 | 726 | 424 | 424 | 575 | 726 | 625 | 474 | 474 | 625 | 726 | 726 | 726 | 726 | 625 | 625 | 625 | 625 | 625 | 625 | 726 | 726 | 726 | 474 | 323 | 323 | 323 | 323 | 474 | 474 | 625 | 625 | | | |
| Hydro | | 121 | 80 | 71 | 168 | 63 | 206 | 219 | 284 | 114 | 78 | 81 | 174 | 95 | 80 | 104 | 120 | 130 | 296 | 327 | 211 | 104 | 80 | 179 | 255 | 215 | 164 | 210 | 154 | 150 | 214 | 235 | 247 | 241 | 257 | 180 | 131 | 136 | 135 | 249 | 70 | 86 | 213 | 241 | 248 | 216 | 256 | 147 | 84 | | | |
| S.Reserve Total | | 1146 | 1058 | 1016 | 1011 | 1163 | 875 | 916 | 987 | 1207 | 1345 | 1363 | 1468 | 1384 | 1373 | 1457 | 1765 | 1980 | 2080 | 1819 | 1665 | 1428 | 959 | 999 | 1216 | 1375 | 1262 | 1376 | 1262 | 1231 | 1276 | 1248 | 1276 | 1255 | 1300 | 1251 | 1542 | 1581 | 1631 | 1524 | 855 | 811 | 999 | 1183 | 1033 | 1085 | 960 | 1238 | 1001 | | | |