

Availability At Daily Maximum Demand Hour

| | | |
|---------------------|---------------|-----------|
| ST-Coal | 1,380 | MW |
| ST-Gas | 70 | MW |
| ST-Oil | 0 | MW |
| Gas | 3,162 | MW |
| Hydro | 1,784 | MW |
| Distillate | 310 | MW |
| Total TNB | 6,706 | MW |
| Total IPP | 10,029 | MW |
| Total Co-Gen | 48 | MW |
| System Total | 16,783 | MW |

Set On Bus, TNB, IPP And MD

| | | |
|--------------------------------------|---------|-----|
| At Daily Maximum Demand Hour : 14:30 | | |
| TNB Generation | 6,048 | MW |
| IPP Generation | 9,550 | MW |
| Total Set On Bus | 16,708 | MW |
| Maximum Demand | 15,611 | MW |
| Spinning Reserve | 1,062 | MW |
| Net Energy | 328,580 | MWH |
| Load Factor | 87.7 | % |

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 | 13347 | 12579 | 11984 | 11536 | 11392 | 11290 | 11576 | 11411 | 11818 | 13749 | 14502 | 15219 | 15069 | 14820 | 15324 | 15465 | 15597 | 15160 | 14108 | 13921 | 14983 | 14987 | 14429 | 13981 |

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| CBPS | 86 |
| GLGR | 31 |
| PAKA | 100 |
| PGGS | 4 |
| PGPS | 17 |
| SRDG | 97 |
| TJGS | 134 |
| TNB Total | 468 |
| KLPP | 85 |
| MPSS | 57 |
| PGLA | 115 |
| PKLG | 35 |
| PLPS | 118 |
| PTEK | 37 |
| SGB3 | 68 |
| SGRI | 151 |
| SKSP | 58 |
| YPKA | 133 |
| IPP Total | 857 |
| Total Gas | 1,325 |

Total Gas Required : 1,696
Gas Calorific Value : 38.500

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|------------|
| KLPP | 37 |
| PDPS | 55 |
| PGGS | 13 |
| PGPS | 27 |
| PKLG | 134 |
| SGB3 | 36 |
| SGRI | 71 |
| Total | 371 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 33,120.00 | 10.08 % |
| Gas | 54,148.00 | 16.48 % |
| Hydro | 20,249.00 | 6.16 % |
| Distillate | 4,443.00 | 1.35 % |
| Total TNB | 111,960.0 | 34.07 % |
| ST-Coal | 70,286.0 | 21.39 % |
| ST-Oil | 13,164.0 | 4.01 % |
| Gas | 109,411.0 | 33.30 % |
| Distillate | 22,882.0 | 6.96 % |
| Total IPP | 215,743.0 | 65.66 % |
| Co-Gen | 1,349.0 | 0.41 % |
| Total Co-Gen | 1,349.0 | 0.41 % |
| Total Generation | 329,052.0 | 100.14 % |
| PLTG | -249.0 | -0.08 % |
| HVDC | 721.0 | 0.22 % |
| Interconnection | 472.0 | 0.14 % |
| Net Energy | 328,580.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 414 |
| Hydro | 192 |
| Syncon | 227 |
| Thermal | 116 |
| Total | 950 |

| | Weather | Temperature |
|-----------|---------|-------------|
| Morning | Sunny | 28 |
| Afternoon | Hot | 36 |

| 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 |
|-------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 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 | 80 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 51 | 56 | 58 | 61 | 57 | 79 | 79 | 79 | 79 | 79 |
| TMGR | HY03 | 80 | 31 | 29 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 50 | 54 | 58 | 59 | 56 | 79 | 80 | 78 | 80 | 35 | 80 |
| TMGR | HY04 | 76 | 34 | 32 | 38 | 33 | 39 | 36 | 39 | 35 | 35 | 40 | 44 | 30 | 34 | 39 | 51 | 55 | 57 | 59 | 56 | 75 | 76 | 76 | 76 |
| UPLA | 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 | | 815 | 637 | 583 | 539 | 517 | 541 | 478 | 489 | 496 | 479 | 474 | 520 | 488 | 498 | 446 | 470 | 486 | 619 | 675 | 718 | 734 | 1015 | 1175 | 1366 |
| KLPP | GT14 | 120 | 121 | 121 | 122 | 122 | 121 | 122 | 121 | 121 | 120 | 119 | 119 | 120 | 118 | 120 | 121 | 121 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| PDPS | GT01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGGS | GT6A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGPS | GT3A | 90 | 90 | 83 | 90 | 90 | 90 | 90 | 90 | 89 | 90 | 92 | 91 | 89 | 89 | 88 | 82 | 89 | 88 | 89 | 89 | 90 | 89 | 89 | 89 |
| PGPS | GT3B | 90 | 90 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PGPS | ST3C | 86 | 85 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 36 | 84 | 85 | 86 | 86 | 88 | 87 | 87 | 88 | 88 | |
| SGB3 | GT31 | 124 | 124 | 124 | 125 | 125 | 124 | 124 | 124 | 124 | 124 | 124 | 125 | 125 | 126 | 126 | 125 | 125 | 125 | 125 | 125 | 125 | 123 | 123 | 124 |
| SGRI | GT11 | 126 | 126 | 126 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 125 | 125 | 124 | 124 | 124 | 124 | 124 | 124 |
| SGRI | GT23 | 122 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 122 | 122 | 123 | 122 | 122 | 122 | 121 | 121 | 121 | 121 | 121 |
| Total Distillate | | 758 | 759 | 701 | 625 | 625 | 623 | 624 | 623 | 623 | 622 | 620 | 621 | 624 | 622 | 621 | 624 | 622 | 717 | 771 | 940 | 1027 | 1177 | 1082 | 1052 |
| PCUF | CUF6 | 22 | 25 | 25 | 24 | 24 | 24 | 22 | 25 | 24 | 25 | 24 | 24 | 25 | 24 | 25 | 25 | 25 | 23 | 24 | 23 | 24 | 23 | 23 | 23 |
| PCUF | CUFK | 28 | 28 | 28 | 27 | 29 | 28 | 28 | 30 | 29 | 28 | 30 | 29 | 30 | 31 | 30 | 28 | 29 | 27 | 28 | 27 | 28 | 27 | 26 | 25 |
| Total Co-Gen | | 50 | 53 | 53 | 51 | 53 | 52 | 54 | 51 | 53 | 54 | 55 | 53 | 55 | 55 | 52 | 54 | 52 | 53 | 54 | 50 | 51 | 51 | 51 | 48 |
| Total Gen | | 13376 | 12786 | 12587 | 12322 | 12040 | 11864 | 11450 | 11486 | 11392 | 11389 | 11309 | 11353 | 11561 | 11698 | 11480 | 11417 | 11867 | 13203 | 13868 | 14118 | 14543 | 14967 | 15296 | 15387 |
| 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 | | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 30 |
| TIE-PLTG | | -2 | -76 | -23 | -31 | 25 | -43 | -116 | -61 | -29 | -84 | -11 | -35 | -45 | -34 | 38 | -67 | 19 | 161 | 89 | -11 | 11 | 16 | 47 | -82 |
| Interconnection | | 29 | -45 | 8 | 0 | 56 | -13 | -86 | -32 | 0 | -54 | 19 | -5 | -15 | -3 | 69 | -37 | 49 | 191 | 119 | 19 | 41 | 46 | 77 | |
| System Total | | 13347 | 12831 | 12579 | 12322 | 11984 | 11877 | 11536 | 11518 | 11392 | 11445 | 11290 | 11358 | 11576 | 11701 | 11411 | 11454 | 11818 | 13012 | 13749 | 14099 | 14502 | 14921 | 15219 | 15439 |
| SRev ST-Coal | | 120 | 120 | 120 | 123 | 124 | 124 | 121 | 123 | 127 | 122 | 122 | 120 | 124 | 124 | 120 | 120 | 129 | 121 | 107 | 111 | 113 | 112 | 111 | 112 |
| 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 |
| SRev ST-Oil | | 0 | 3 | 4 | 10 | 10 | 10 | 25 | 0 | 11 | 14 | 15 | 15 | 0 | 25 | 10 | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 1 |
| SRev CCGT-Gas | | 180 | 332 | 198 | 265 | 382 | 582 | 930 | 892 | 971 | 959 | 1036 | 1036 | 822 | 696 | 904 | 1013 | 597 | 366 | 381 | 267 | 217 | 232 | 217 | 225 |
| SRev OCGT-Gas | | 10 | 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 187 | 4 | 224 | 309 | 285 | 103 | 33 | 21 | 25 | 42 |
| SRev Distillate | | 102 | 101 | 109 | 85 | 85 | 87 | 86 | 87 | 87 | 88 | 90 | 89 | 86 | 86 | 88 | 89 | 86 | 138 | 153 | 99 | 150 | 173 | 133 | 118 |
| 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 | | 453 | 539 | 539 | 625 | 625 | 625 | 625 | 625 | 474 | 625 | 625 | 323 | 625 | 625 | 625 | 625 | 625 | 302 | 453 | 453 | 302 | 302 | 0 | 0 |
| Hydro | | 84 | 176 | 223 | 121 | 150 | 126 | 129 | 118 | 262 | 121 | 133 | 389 | 119 | 109 | 161 | 137 | 121 | 311 | 164 | 181 | 165 | 300 | 184 | 144 |
| S.Reserve Total | | 949 | 1384 | 1193 | 1229 | 1376 | 1554 | 1916 | 1845 | 1932 | 1929 | 2021 | 1974 | 1772 | 1665 | 2115 | 2173 | 1555 | 1472 | 1582 | 1393 | 1199 | 1153 | 970 | 775 |