

**Availability At Daily Maximum Demand Hour**

|                     |               |           |
|---------------------|---------------|-----------|
| ST-Coal             | 1,290         | MW        |
| ST-Gas              | 150           | MW        |
| ST-Oil              | 0             | MW        |
| Gas                 | 3,826         | MW        |
| Hydro               | 1,702         | MW        |
| Distillate          | 60            | MW        |
| <b>Total TNB</b>    | <b>7,028</b>  | <b>MW</b> |
| <b>Total IPP</b>    | <b>10,947</b> | <b>MW</b> |
| <b>Total Co-Gen</b> | <b>85</b>     | <b>MW</b> |
| <b>System Total</b> | <b>18,610</b> | <b>MW</b> |

**Set On Bus, TNB, IPP And MD**

|                                      |         |     |
|--------------------------------------|---------|-----|
| At Daily Maximum Demand Hour : 11:00 |         |     |
| TNB Generation                       | 4,411   | MW  |
| IPP Generation                       | 8,186   | MW  |
| Total Set On Bus                     | 13,720  | MW  |
| Maximum Demand                       | 12,708  | MW  |
| Spinning Reserve                     | 1,038   | MW  |
| Net Energy                           | 279,450 | MWH |
| Load Factor                          | 91.6    | %   |

**Maximum Demand Record**

|               |            |               |
|---------------|------------|---------------|
| <b>Date :</b> | 09/05/2011 | 15,476.0 MW   |
| <b>Date :</b> | 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 | 12295 | 11603 | 11218 | 10905 | 10447 | 10264 | 10317 | 10485 | 10180 | 11275 | 11988 | 12708 | 12577 | 12255 | 12394 | 12365 | 12291 | 11904 | 11676 | 11768 | 12661 | 12500 | 12116 | 11748 |

**Gas Usage**

| Station                      | (mmscfd)      |
|------------------------------|---------------|
| CBPS                         | 44            |
| GLGR                         | 28            |
| PAKA                         | 84            |
| PGPS                         | 55            |
| TJGS                         | 158           |
| <b>TNB Total</b>             | <b>368</b>    |
| KLPP                         | 95            |
| MPSS                         | 26            |
| PGLA                         | 91            |
| PLPS                         | 111           |
| SGB3                         | 90            |
| SGRI                         | 41            |
| SKSP                         | 51            |
| YPKA                         | 138           |
| <b>IPP Total</b>             | <b>642</b>    |
| <b>Total Gas</b>             | <b>1,010</b>  |
| <b>Total Gas Required :</b>  | <b>1,010</b>  |
| <b>Gas Calorific Value :</b> | <b>38,500</b> |

**Generation Mix**

| Type                    | MWh              | Percentage      |
|-------------------------|------------------|-----------------|
| ST-Coal                 | 29,790.00        | 10.66 %         |
| Gas                     | 49,980.00        | 17.89 %         |
| Hydro                   | 16,487.00        | 5.90 %          |
| <b>Total TNB</b>        | <b>96,257.0</b>  | <b>34.45 %</b>  |
| ST-Coal                 | 95,716.0         | 34.25 %         |
| Gas                     | 86,391.0         | 30.91 %         |
| <b>Total IPP</b>        | <b>182,107.0</b> | <b>65.17 %</b>  |
| Co-Gen                  | 2,209.0          | 0.79 %          |
| <b>Total Co-Gen</b>     | <b>2,209.0</b>   | <b>0.79 %</b>   |
| <b>Total Generation</b> | <b>280,573.0</b> | <b>100.40 %</b> |
| PLTG                    | 401.0            | 0.14 %          |
| HVDC                    | 722.0            | 0.26 %          |
| <b>Interconnection</b>  | <b>1,123.0</b>   | <b>0.40 %</b>   |
| <b>Net Energy</b>       | <b>279,450.0</b> | <b>100.00 %</b> |

**Average SR During Peak Hour**

| Type         | MW         |
|--------------|------------|
| GT           | 349        |
| Hydro        | 131        |
| Syncon       | 447        |
| Thermal      | 52         |
| <b>Total</b> | <b>979</b> |

|           | Weather | Temperature |
|-----------|---------|-------------|
| Morning   | Sunny   | 28          |
| Afternoon | Hot     | 31          |





| 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  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |     |   |   |   |
|------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---|---|---|
| <b>System Total</b>    |      | 12295 | 11843 | 11603 | 11269 | 11218 | 10821 | 10905 | 10677 | 10447 | 10319 | 10264 | 10439 | 10317 | 10484 | 10485 | 10235 | 10180 | 10748 | 11275 | 11594 | 11988 | 12321 | 12708 | 12699 | 12577 | 12367 | 12255 | 12333 | 12394 | 12468 | 12365 | 12298 | 12291 | 12026 | 11904 | 11785 | 11676 | 11697 | 11768 | 12436 | 12661 | 12611 | 12500 | 12316 | 12116 | 12116 | 11748 | 11783 |     |     |   |   |   |
| SRev ST-Coal           |      | 38    | 18    | 10    | 23    | 20    | 34    | -29   | -75   | -3    | 85    | 145   | 161   | 159   | 140   | 154   | 170   | 253   | 303   | 98    | 60    | 59    | 59    | 46    | 60    | 61    | 63    | -6    | 12    | 120   | 113   | 101   | 96    | 36    | 41    | 33    | 47    | 38    | 40    | 39    | 36    | 46    | 40    | 60    | 53    | 123   | 122   | 194   | 198   |     |     |   |   |   |
| 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 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     | 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          |      | 599   | 740   | 521   | 653   | 396   | 475   | 506   | 629   | 772   | 854   | 908   | 893   | 989   | 958   | 880   | 920   | 873   | 656   | 555   | 698   | 312   | 369   | 327   | 314   | 310   | 529   | 654   | 569   | 497   | 427   | 478   | 482   | 389   | 604   | 740   | 997   | 1092  | 1101  | 1046  | 607   | 276   | 328   | 335   | 417   | 448   | 222   | 200   | 148   |     |     |   |   |   |
| 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 | 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   | 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 | 0 | 0 |
| Syncon                 |      | 474   | 625   | 474   | 323   | 474   | 625   | 625   | 625   | 625   | 625   | 474   | 323   | 474   | 474   | 474   | 625   | 474   | 237   | 388   | 625   | 625   | 474   | 474   | 474   | 625   | 625   | 625   | 625   | 625   | 625   | 625   | 625   | 625   | 625   | 540   | 540   | 540   | 540   | 389   | 540   | 540   | 540   | 474   | 625   | 625   | 625   | 625   | 474   | 474 | 474 |   |   |   |
| Hydro                  |      | 82    | 92    | 109   | 167   | 94    | 84    | 118   | 135   | 135   | 115   | 135   | 127   | 221   | 169   | 168   | 203   | 294   | 127   | 529   | 302   | 129   | 120   | 191   | 167   | 272   | 144   | 149   | 149   | 135   | 149   | 150   | 90    | 90    | 88    | 105   | 100   | 234   | 50    | 42    | 38    | 197   | 79    | 87    | 83    | 64    | 161   | 163   | 165   |     |     |   |   |   |
| <b>S.Reserve Total</b> |      | 1193  | 1475  | 1114  | 1166  | 984   | 1218  | 1220  | 1314  | 1529  | 1679  | 1813  | 1655  | 1692  | 1741  | 1676  | 1767  | 2045  | 1562  | 1421  | 1450  | 1127  | 1173  | 1038  | 1015  | 1117  | 1361  | 1422  | 1355  | 1377  | 1314  | 1354  | 1293  | 1055  | 1273  | 1418  | 1684  | 1753  | 1731  | 1667  | 1221  | 993   | 1072  | 1107  | 1178  | 1260  | 979   | 1031  | 985   |     |     |   |   |   |