

**Availability At Daily Maximum Demand Hour**

|                     |               |           |
|---------------------|---------------|-----------|
| ST-Coal             | 1,290         | MW        |
| ST-Gas              | 150           | MW        |
| ST-Oil              | 0             | MW        |
| Gas                 | 4,026         | MW        |
| Hydro               | 1,912         | MW        |
| Distillate          | 60            | MW        |
| <b>Total TNB</b>    | <b>7,438</b>  | <b>MW</b> |
| <b>Total IPP</b>    | <b>11,264</b> | <b>MW</b> |
| <b>Total Co-Gen</b> | <b>81</b>     | <b>MW</b> |
| <b>System Total</b> | <b>18,783</b> | <b>MW</b> |

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

At Daily Maximum Demand Hour : 14:30

|                  |         |     |
|------------------|---------|-----|
| TNB Generation   | 5,483   | MW  |
| IPP Generation   | 9,077   | MW  |
| Total Set On Bus | 15,548  | MW  |
| Maximum Demand   | 14,577  | MW  |
| Spinning Reserve | 907     | MW  |
| Net Energy       | 301,767 | MWH |
| Load Factor      | 86.3    | %   |

**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 | 12131 | 11414 | 10991 | 10811 | 10557 | 10315 | 10614 | 10774 | 11000 | 12664 | 13323 | 14171 | 14005 | 13669 | 14246 | 14478 | 14485 | 14107 | 13134 | 12686 | 13846 | 13732 | 13201 | 12895 |

**Gas Usage**

| Station                      | (mmscfd)      |
|------------------------------|---------------|
| CBPS                         | 43            |
| GLGR                         | 29            |
| PAKA                         | 142           |
| PGPS                         | 42            |
| SRDG                         | 8             |
| TJGS                         | 128           |
| <b>TNB Total</b>             | <b>392</b>    |
| KLPP                         | 91            |
| MPSS                         | 27            |
| PGLA                         | 53            |
| PLPS                         | 106           |
| SGB3                         | 84            |
| SGRI                         | 107           |
| SKSP                         | 47            |
| YPKA                         | 138           |
| <b>IPP Total</b>             | <b>651</b>    |
| <b>Total Gas</b>             | <b>1,043</b>  |
| <b>Total Gas Required :</b>  | <b>1,144</b>  |
| <b>Gas Calorific Value :</b> | <b>38.500</b> |

**Alternate Fuel Usage**

| Station      | (mmscfd)   |
|--------------|------------|
| PKLG         | 101        |
| <b>Total</b> | <b>101</b> |

**Generation Mix**

| Type                    | MWh              | Percentage      |
|-------------------------|------------------|-----------------|
| ST-Coal                 | 30,710.00        | 10.18 %         |
| Gas                     | 54,147.00        | 17.94 %         |
| Hydro                   | 22,586.00        | 7.48 %          |
| <b>Total TNB</b>        | <b>107,443.0</b> | <b>35.60 %</b>  |
| ST-Coal                 | 93,362.0         | 30.94 %         |
| ST-Oil                  | 9,895.0          | 3.28 %          |
| Gas                     | 89,932.0         | 29.80 %         |
| <b>Total IPP</b>        | <b>193,189.0</b> | <b>64.02 %</b>  |
| Co-Gen                  | 2,209.0          | 0.73 %          |
| <b>Total Co-Gen</b>     | <b>2,209.0</b>   | <b>0.73 %</b>   |
| <b>Total Generation</b> | <b>302,841.0</b> | <b>100.36 %</b> |
| PLTG                    | 355.0            | 0.12 %          |
| HVDC                    | 719.0            | 0.24 %          |
| <b>Interconnection</b>  | <b>1,074.0</b>   | <b>0.36 %</b>   |
| <b>Net Energy</b>       | <b>301,767.0</b> | <b>100.00 %</b> |

**Average SR During Peak Hour**

| Type         | MW         |
|--------------|------------|
| GT           | 345        |
| Hydro        | 222        |
| Syncon       | 326        |
| Thermal      | 40         |
| <b>Total</b> | <b>934</b> |

**Weather Temperature**

| 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         |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |    |    |    |
|------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|----|----|
| TMGR                   | HY01 | 44           | 40           | 41           | 40           | 41           | 29           | 87           | 73           | 83           | -1           | -1           | -1           | -1           | 81           | 80           | 38           | 40           | 71           | 33           | 34           | 87           | 84           | 85           | 85           | 83           | 17           | -1           | -1           | 85           | 86           | 83           | 40           | 41           | 82           | 73           | -1           | -1           | -1           | -1           | -1           | 59           | 60           | 60           | 60           | 57           | 59           | 34           | 37           |    |    |    |
| TMGR                   | HY02 | 82           | 58           | 74           | 58           | 72           | 59           | 85           | 77           | 84           | 56           | 28           | 48           | 33           | 33           | 29           | 29           | 54           | 69           | 33           | 35           | 40           | 84           | 87           | 87           | 83           | 86           | 42           | 81           | 88           | 37           | 37           | 45           | 67           | 83           | 73           | 71           | 36           | 44           | 39           | 39           | 41           | 44           | 45           | 44           | 41           | 40           | 34           | 38           |    |    |    |
| TMGR                   | HY03 | 81           | 58           | 75           | 58           | 72           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 59           | 52           | 69           | 34           | 33           | 39           | 84           | 86           | 86           | 83           | 85           | 41           | 78           | 87           | 37           | 35           | 39           | 39           | 40           | 72           | 33           | 0            | 0            | 0            | 0            | 37           | 55           | 54           | 55           | 52           | 54           | 37           | 36           |              |              |    |    |    |
| TMGR                   | HY04 | 78           | 56           | 72           | 57           | 70           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | -1           | 75           | 78           |    |    |    |
| UPIA                   | HY01 | 4            | 4            | 4            | 4            | 4            | 4            | 4            | 4            | 4            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5            | 5  | 5  |    |
| UPIA                   | HY02 | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2            | 2  | 2  |    |
| <b>Total Hydro</b>     |      | <b>1198</b>  | <b>1128</b>  | <b>1181</b>  | <b>1015</b>  | <b>947</b>   | <b>665</b>   | <b>753</b>   | <b>732</b>   | <b>747</b>   | <b>573</b>   | <b>559</b>   | <b>573</b>   | <b>554</b>   | <b>753</b>   | <b>631</b>   | <b>648</b>   | <b>753</b>   | <b>817</b>   | <b>718</b>   | <b>681</b>   | <b>756</b>   | <b>1073</b>  | <b>1181</b>  | <b>1338</b>  | <b>1296</b>  | <b>1213</b>  | <b>1089</b>  | <b>1224</b>  | <b>1302</b>  | <b>1363</b>  | <b>1338</b>  | <b>1239</b>  | <b>1228</b>  | <b>1223</b>  | <b>1010</b>  | <b>791</b>   | <b>556</b>   | <b>584</b>   | <b>567</b>   | <b>857</b>   | <b>1203</b>  | <b>1314</b>  | <b>1258</b>  | <b>1160</b>  | <b>985</b>   | <b>937</b>   | <b>842</b>   | <b>858</b>   |    |    |    |
| PCUF                   | CUFG | 53           | 55           | 52           | 52           | 53           | 50           | 54           | 52           | 53           | 53           | 54           | 54           | 53           | 52           | 53           | 53           | 51           | 53           | 52           | 51           | 53           | 52           | 53           | 52           | 52           | 52           | 52           | 52           | 52           | 51           | 51           | 52           | 52           | 52           | 52           | 52           | 52           | 52           | 52           | 51           | 52           | 53           | 52           | 52           | 52           | 51           | 52           | 52           |    |    |    |
| PCUF                   | CUFK | 34           | 34           | 35           | 36           | 36           | 36           | 37           | 36           | 35           | 37           | 37           | 37           | 36           | 36           | 37           | 38           | 36           | 36           | 36           | 34           | 34           | 34           | 31           | 33           | 31           | 30           | 31           | 30           | 31           | 30           | 32           | 30           | 30           | 30           | 30           | 31           | 29           | 31           | 30           | 30           | 30           | 30           | 30           | 31           | 31           | 31           | 31           | 32           | 33 | 33 | 35 |
| <b>Total Co-Gen</b>    |      | <b>87</b>    | <b>89</b>    | <b>87</b>    | <b>88</b>    | <b>89</b>    | <b>86</b>    | <b>91</b>    | <b>88</b>    | <b>88</b>    | <b>90</b>    | <b>91</b>    | <b>91</b>    | <b>89</b>    | <b>88</b>    | <b>90</b>    | <b>91</b>    | <b>89</b>    | <b>87</b>    | <b>89</b>    | <b>86</b>    | <b>85</b>    | <b>87</b>    | <b>83</b>    | <b>86</b>    | <b>83</b>    | <b>82</b>    | <b>83</b>    | <b>82</b>    | <b>84</b>    | <b>81</b>    | <b>83</b>    | <b>82</b>    | <b>82</b>    | <b>82</b>    | <b>83</b>    | <b>81</b>    | <b>83</b>    | <b>82</b>    | <b>81</b>    | <b>82</b>    | <b>83</b>    | <b>83</b>    | <b>83</b>    | <b>83</b>    | <b>84</b>    | <b>84</b>    | <b>85</b>    | <b>87</b>    |    |    |    |
| <b>Total Gen</b>       |      | <b>12183</b> | <b>11561</b> | <b>11450</b> | <b>11115</b> | <b>11028</b> | <b>10704</b> | <b>10795</b> | <b>10517</b> | <b>10557</b> | <b>10375</b> | <b>10379</b> | <b>10434</b> | <b>10602</b> | <b>10928</b> | <b>10814</b> | <b>10918</b> | <b>10985</b> | <b>11908</b> | <b>12793</b> | <b>13073</b> | <b>13371</b> | <b>13886</b> | <b>14222</b> | <b>14317</b> | <b>14093</b> | <b>13839</b> | <b>13647</b> | <b>13867</b> | <b>14172</b> | <b>14641</b> | <b>14587</b> | <b>14515</b> | <b>14511</b> | <b>14519</b> | <b>14138</b> | <b>13707</b> | <b>13260</b> | <b>12840</b> | <b>12717</b> | <b>13451</b> | <b>13874</b> | <b>13837</b> | <b>13764</b> | <b>13650</b> | <b>13264</b> | <b>13259</b> | <b>12977</b> | <b>12657</b> |    |    |    |
| 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               |      | 29           | 29           | 30           | 28           | 29           | 29           | 30           | 30           | 30           | 30           | 31           | 31           | 30           | 30           | 29           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 29           | 29           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 30           | 29           | 31           | 31           | 31           | 31           | 31           | 31           | 31           | 31           | 30           | 30           | 30           | 30           | 31 | 31 |    |
| TIE-PLTG               |      | 23           | -10          | 6            | 27           | 8            | -54          | -46          | -58          | -30          | 86           | 34           | -30          | -43          | -1           | 10           | 69           | -44          | 4            | 99           | 51           | 18           | 122          | 21           | 25           | 58           | 7            | -51          | -45          | -104         | 34           | 79           | 17           | -4           | -53          | 1            | -14          | 97           | -25          | 0            | -1           | -3           | -32          | 2            | 4            | 33           | 112          | 51           | 40           |    |    |    |
| Interconnection        |      | 52           | 19           | 36           | 55           | 37           | -25          | -16          | -28          | 0            | 116          | 64           | 0            | -12          | 30           | 40           | 99           | -15          | 33           | 129          | 81           | 48           | 152          | 51           | 55           | 88           | 36           | -22          | -15          | -74          | 64           | 109          | 47           | 26           | -23          | 31           | 16           | 126          | 6            | 31           | 30           | 28           | -1           | 32           | 34           | 63           | 142          | 82           | 71           |    |    |    |
| <b>System Total</b>    |      | <b>12131</b> | <b>11542</b> | <b>11414</b> | <b>11060</b> | <b>10991</b> | <b>10729</b> | <b>10811</b> | <b>10545</b> | <b>10557</b> | <b>10259</b> | <b>10315</b> | <b>10434</b> | <b>10614</b> | <b>10898</b> | <b>10774</b> | <b>10819</b> | <b>11000</b> | <b>11875</b> | <b>12664</b> | <b>12992</b> | <b>13323</b> | <b>13734</b> | <b>14171</b> | <b>14262</b> | <b>14005</b> | <b>13803</b> | <b>13669</b> | <b>13882</b> | <b>14246</b> | <b>14577</b> | <b>14478</b> | <b>14468</b> | <b>14485</b> | <b>14542</b> | <b>14107</b> | <b>13691</b> | <b>13134</b> | <b>12834</b> | <b>12686</b> | <b>13421</b> | <b>13846</b> | <b>13838</b> | <b>13732</b> | <b>13616</b> | <b>13201</b> | <b>13117</b> | <b>12895</b> | <b>12586</b> |    |    |    |
| SRev ST-Coal           |      | 33           | 27           | 36           | 33           | 54           | 105          | 121          | 222          | 214          | 222          | 229          | 230          | 188          | 195          | 186          | 193          | 156          | 37           | 53           | 27           | 42           | 51           | 48           | 51           | 50           | 59           | 41           | 47           | 41           | 46           | 42           | 37           | 37           | 42           | 45           | 40           | 27           | 39           | 42           | 30           | 39           | 32           | 42           | 38           | 26           | 51           | 39           | 48           |    |    |    |
| 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  | 0  |
| SRev ST-Oil            |      | 1            | 1            | 6            | 5            | 10           | 12           | 12           | -7           | -44          | 23           | -5           | -5           | -5           | -3           | 0            | 22           | 22           | 22           | 22           | 22           | 22           | 22           | 22           | 22           | 22           | 22           | -5           | -5           | -5           | -5           | -4           | -4           | -6           | -6           | -6           | -6           | -6           | -6           | -6           | -9           | -6           | -5           | -14          | -24          | 2            | 2            | 2            | 2            | 2  | 2  | 2  |
| SRev CCGT-Gas          |      | 1023         | 1443         | 1662         | 1836         | 1927         | 1940         | 1943         | 2124         | 2142         | 2178         | 2169         | 2127         | 1980         | 1843         | 1843         | 1693         | 1766         | 1270         | 722          | 885          | 669          | 463          | 266          | 303          | 511          | 669          | 787          | 695          | 375          | 211          | 233          | 186          | 182          | 192          | 223          | 228          | 458          | 890          | 851          | 369          | 324          | 225          | 232          | 252          | 499          | 468          | 467          | 435          |    |    |    |
| SRev OCGT-Gas          |      | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | -37          | -15          | -14          | -31          | -32          | -1           | -1           | -1           | -1           | 0            | 117          | 120          | 146          | 143          | 115          | 120          | 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  |
| 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                 |      | 151          | 151          | 151          | 302          | 453          | 539          | 539          | 539          | 539          | 625          | 474          | 625          | 625          | 388          | 539          | 539          | 539          | 539          | 388          | 539          | 539          | 302          | 453          | 302          | 302          | 302          | 388          | 388          | 388          | 237          | 237          | 388          | 388          | 388          | 388          | 540          | 776          | 776          | 776          | 776          | 474          | 388          | 388          | 388          | 388          | 388          | 453          | 453          |    |    |    |
| Hydro                  |      | 220          | 290          | 237          | 252          | 169          | 130          | 42           | 63           | 48           | 92           | 257          | 92           | 111          | 149          | 120          | 188          | 143          | 79           | 329          | 215          | 145          | 225          | 116          | 260          | 220          | 265          | 303          | 168          | 90           | 300          | 325          | 273          | 284          | 289          | 200          | 223          | 123          | 95           | 112          | 249          | 259          | 208          | 264          | 362          | 387          | 335          | 365          | 349          |    |    |    |
| <b>S.Reserve Total</b> |      | <b>1433</b>  | <b>1917</b>  | <b>2097</b>  | <b>2433</b>  | <b>2618</b>  | <b>2731</b>  | <b>2662</b>  | <b>2946</b>  | <b>2904</b>  | <b>3145</b>  | <b>3129</b>  | <b>3074</b>  | <b>2904</b>  | <b>2577</b>  | <b>2693</b>  | <b>2640</b>  | <b>2631</b>  | <b>1952</b>  | <b>1519</b>  | <b>1656</b>  | <b>1402</b>  | <b>1049</b>  | <b>874</b>   | <b>906</b>   | <b>1104</b>  | <b>1289</b>  | <b>1513</b>  | <b>1292</b>  | <b>889</b>   | <b>907</b>   | <b>953</b>   | <b>1024</b>  | <b>1028</b>  | <b>1020</b>  | <b>1122</b>  | <b>1261</b>  | <b>1375</b>  | <b>1794</b>  | <b>1776</b>  | <b>1108</b>  | <b>986</b>   | <b>855</b>   | <b>928</b>   | <b>1042</b>  | <b>1302</b>  | <b>1244</b>  | <b>1326</b>  | <b>1287</b>  |    |    |    |