

### Availability at Daily Maximum Demand Hour

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 1,980 MW         |
| ST-Gas              | 0 MW             |
| ST-Oil              | 0 MW             |
| Gas                 | 4,175 MW         |
| Hydro               | 1,721 MW         |
| Distillate          | 0 MW             |
| <b>Total TNB</b>    | <b>7,876 MW</b>  |
| <b>Total IPP</b>    | <b>9,848 MW</b>  |
| <b>Total Co-Gen</b> | <b>0 MW</b>      |
| <b>Total System</b> | <b>18,234 MW</b> |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| ST-Coal                 | 47,650         | 14.21 %         |
| Gas                     | 69,893         | 20.84 %         |
| Hydro                   | 15,429         | 4.60 %          |
| <b>Total TNB</b>        | <b>132,972</b> | <b>39.64 %</b>  |
| ST-Coal                 | 97,414         | 29.04 %         |
| Gas                     | 104,685        | 31.21 %         |
| <b>Total IPP</b>        | <b>202,099</b> | <b>60.25 %</b>  |
| Co-Gen                  | 1,689          | 0.50 %          |
| <b>Total Co-Gen</b>     | <b>1,689</b>   | <b>0.50 %</b>   |
| <b>Total Generation</b> | <b>336,760</b> | <b>100.40 %</b> |
| PLTG                    | 617            | 0.18 %          |
| HVDC                    | 728            | 0.22 %          |
| <b>Interconnection</b>  | <b>1,345</b>   | <b>0.40 %</b>   |
| <b>Net Energy</b>       | <b>335,415</b> | <b>100.00 %</b> |

### Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 6/11/2014 | 16,901 MW   |
| Date: 6/24/2014 | 355,911 MWH |

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

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:00:00 Hour |
| Total Set On Bus              | 17,591 MW     |
| TNB Generation                | 7,023 MW      |
| IPP Generation                | 9,576 MW      |
| Spinning Reserve              | 938 MW        |
| Maximum Demand                | 16,608 MW     |
| Net Energy                    | 335,415 MWH   |
| Load Factor                   | 84.15 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 56,259,937.10 RM |
| Cost per Unit | 17.50 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 478          |
| Hydro        | 86           |
| Syncon       | 421          |
| Thermal      | 35           |
| <b>Total</b> | <b>1,020</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot     | 36          |
| Morning   | Sunny   | 27          |

### Gas Usage

| Station                   | (mmscfd)     |
|---------------------------|--------------|
| CBPS                      | 35           |
| CBPS                      | 47           |
| GLGR                      | 56           |
| PAKA                      | 129          |
| PGGS                      | 1            |
| PGPS                      | 21           |
| SRDG                      | 66           |
| TJGS                      | 211          |
| <b>Total TNB</b>          | <b>566</b>   |
| KLPP                      | 104          |
| MPSS                      | 45           |
| PDPS                      | 39           |
| PGLA                      | 112          |
| PLPS                      | 106          |
| PTEK                      | 32           |
| SGRI                      | 160          |
| SKSP                      | 53           |
| YPGS                      | 67           |
| YPKA                      | 122          |
| <b>Total IPP</b>          | <b>839</b>   |
| <b>Total Gas</b>          | <b>1,405</b> |
| <b>Total Gas Required</b> | <b>1,405</b> |

### Alternate Fuel Usage

| Station      | (mmscfd) |
|--------------|----------|
| <b>Total</b> | <b>0</b> |

### Hourly System MW Generation

|              | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 12560 | 12007 | 11651 | 11102 | 10899 | 10841 | 11084 | 11268 | 12053 | 13889 | 15065 | 15725 | 15735 | 15522 | 16136 | 16512 | 16609 | 16032 | 14834 | 14420 | 15564 | 15527 | 15054 | 14726 |





### Daily MW Generation on Monday

| 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  |
|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| KNRG             | HY01 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| KNRG             | HY02 | 21    | 22    | 22    | 21    | 22    | 22    | 21    | 21    | 21    | 22    | 21    | 22    | 21    | 22    | 38    | 38    | 38    | 37    | 37    | 37    | 37    | 37    | 37    | 37    |
| KNRG             | HY03 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 38    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    | 37    |
| KNYR             | HY01 | 59    | 59    | 61    | 62    | 60    | 58    | 58    | 59    | 58    | 58    | 53    | 60    | 60    | 63    | 60    | 61    | 61    | 64    | 101   | 101   | 99    | 101   | 101   | 101   |
| KNYR             | HY02 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | 100   | 100   | 100   | 101   | 101   | 101   | 101   | 101   | 101   |
| KNYR             | HY04 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 102   | 102   | 99    | 101   | 102   | 102   | 102   | 102   | 102   |
| LPIA             | HY01 | 13    | 13    | 13    | 13    | 13    | 13    | 12    | 12    | 13    | 12    | 13    | 12    | 13    | 12    | 13    | 12    | 13    | 16    | 16    | 16    | 16    | 14    | 13    | 13    |
| LPIA             | HY02 | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 10    |
| MNOR             | HY01 | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 1     | 5     | 5     | 5     | 5     | 5     | 5     | 8     | 8     |
| PGAU             | HY01 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| PGAU             | HY02 | -1    | 19    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |
| PGAU             | HY03 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |
| PGAU             | HY04 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |
| SIHY             | HY01 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| SIHY             | HY02 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| SIHY             | HY03 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| SYPS             | HY01 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| SYPS             | HY02 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| SYPS             | HY03 | 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 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | 49    | 47    | 50    | 55    | 87    | 87    | 81    | 87    | 87    |
| TMGR             | HY02 | 33    | 34    | 34    | 36    | 34    | 32    | 33    | 33    | 32    | 34    | 28    | 34    | 34    | 36    | 34    | 35    | 35    | 38    | 83    | 83    | 75    | 87    | 89    | 86    |
| TMGR             | HY03 | 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             | HY04 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | 49    | 47    | 50    | 53    | 83    | 83    | 82    | 78    | 83    |
| UPIA             | HY01 | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     |
| UPIA             | HY02 | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     |
| Total Hydro      |      | 174   | 196   | 179   | 181   | 178   | 173   | 173   | 174   | 171   | 176   | 161   | 177   | 176   | 222   | 176   | 180   | 180   | 187   | 609   | 796   | 773   | 980   | 1047  | 1130  |
| Total 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     |
| PCUF             | CUFG | 51    | 48    | 51    | 51    | 50    | 51    | 50    | 50    | 51    | 51    | 50    | 49    | 32    | 26    | 25    | 25    | 24    | 23    | 26    | 25    | 25    | 23    | 24    | 23    |
| PCUF             | CUFK | 32    | 33    | 36    | 36    | 37    | 38    | 37    | 38    | 38    | 37    | 39    | 38    | 40    | 39    | 37    | 37    | 36    | 36    | 35    | 35    | 32    | 33    | 32    | 29    |
| Total Co-Gen     |      | 83    | 81    | 87    | 87    | 87    | 89    | 87    | 88    | 89    | 88    | 89    | 88    | 91    | 90    | 87    | 86    | 69    | 62    | 61    | 60    | 59    | 55    | 56    | 58    |
| Total Gen        |      | 12604 | 12338 | 12039 | 11880 | 11689 | 11323 | 11255 | 11097 | 10941 | 11005 | 10924 | 10902 | 11121 | 11409 | 11391 | 11439 | 12092 | 13078 | 13975 | 14589 | 15147 | 15442 | 15754 | 15995 |
| 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         |      | 30    | 30    | 30    | 30    | 31    | 31    | 30    | 30    | 29    | 29    | 30    | 30    | 30    | 30    | 30    | 31    | 31    | 30    | 30    | 31    | 31    | 30    | 30    | 30    |
| TIE-PLTG         |      | 14    | 45    | 1     | -2    | 7     | -30   | 122   | 17    | 12    | 15    | 53    | 35    | 6     | 44    | 92    | 23    | 9     | 1     | 55    | 64    | 52    | 5     | -1    |       |
| Interconnection  |      | 44    | 75    | 32    | 28    | 38    | 1     | 153   | 48    | 42    | 44    | 83    | 65    | 37    | 74    | 123   | 53    | 39    | 31    | 86    | 95    | 82    | 35    | 29    |       |
| System Total     |      | 12560 | 12263 | 12007 | 11822 | 11651 | 11322 | 11102 | 11049 | 10899 | 10961 | 10841 | 10837 | 11084 | 11335 | 11268 | 11386 | 12053 | 13047 | 13889 | 14494 | 15066 | 15407 | 15725 | 15985 |
| SRev ST-Coal     |      | 31    | 24    | 21    | 28    | 15    | 43    | 78    | 79    | 79    | 73    | 87    | 112   | 92    | 11    | 12    | 29    | 15    | 50    | 43    | 29    | 36    | 56    | 2     |       |
| SRev 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     |
| SRev CCGT-Gas    |      | 539   | 624   | 702   | 886   | 1057  | 1392  | 1337  | 1436  | 1587  | 1532  | 1582  | 1436  | 1432  | 1270  | 1238  | 1531  | 1496  | 650   | 432   | 402   | 270   | 260   | 301   |       |
| 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 Co-Gen      |      | -7    | -5    | -11   | -11   | -11   | -13   | -11   | -12   | -13   | -12   | -13   | -12   | -15   | -14   | -11   | -10   | 7     | 14    | 15    | 16    | 17    | 21    | 20    |       |
| Syncon           |      | 722   | 571   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 722   | 618   | 453   | 453   | 453   | 453   | 302   | 453   | 453   | 453   |
| Hydro            |      | 133   | 262   | 128   | 126   | 129   | 134   | 134   | 132   | 135   | 131   | 145   | 130   | 130   | 387   | 130   | 127   | 131   | 124   | 30    | 92    | 114   | 133   | 69    |       |
| S.Reserve Total  |      | 1418  | 1476  | 1562  | 1751  | 1912  | 2278  | 2260  | 2387  | 2510  | 2446  | 2523  | 2388  | 2361  | 2074  | 2091  | 2399  | 2371  | 1560  | 1222  | 1050  | 1089  | 1154  | 999   |       |