

### Availability at Daily Maximum Demand Hour

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 2,070 MW         |
| ST-Gas              | 0 MW             |
| ST-Oil              | 0 MW             |
| Gas                 | 3,894 MW         |
| Hydro               | 1,806 MW         |
| Distillate          | 0 MW             |
| <b>Total TNB</b>    | <b>7,770 MW</b>  |
| <b>Total IPP</b>    | <b>11,045 MW</b> |
| Total Co-Gen        | 0 MW             |
| <b>Total System</b> | <b>19,382 MW</b> |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| ST-Coal                 | 47,746         | 14.26 %         |
| Gas                     | 46,052         | 13.76 %         |
| Hydro                   | 16,939         | 5.06 %          |
| <b>Total TNB</b>        | <b>110,737</b> | <b>33.08 %</b>  |
| ST-Coal                 | 112,837        | 33.71 %         |
| Gas                     | 110,052        | 32.88 %         |
| <b>Total IPP</b>        | <b>222,889</b> | <b>66.59 %</b>  |
| Co-Gen                  | 1,153          | 0.34 %          |
| <b>Total Co-Gen</b>     | <b>1,153</b>   | <b>0.34 %</b>   |
| <b>Total Generation</b> | <b>334,779</b> | <b>100.02 %</b> |
| PLTG                    | 53             | 0.02 %          |
| <b>Interconnection</b>  | <b>53</b>      | <b>0.02 %</b>   |
| <b>Net Energy</b>       | <b>334,726</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              | 17,266 MW     |
| TNB Generation                | 5,682 MW      |
| IPP Generation                | 10,546 MW     |
| Spinning Reserve              | 992 MW        |
| Maximum Demand                | 16,281 MW     |
| Net Energy                    | 334,726 MWH   |
| Load Factor                   | 85.66 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 48,325,910.64 RM |
| Cost per Unit | 15.19 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 440          |
| Hydro        | 255          |
| Syncon       | 325          |
| Thermal      | 23           |
| <b>Total</b> | <b>1,043</b> |

### Time Weather Temperature

|           |       |    |
|-----------|-------|----|
| Afternoon | Hot   | 33 |
| Morning   | Sunny | 27 |

### 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 | 12927 | 12294 | 11826 | 11417 | 11063 | 10941 | 11082 | 11488 | 12121 | 14094 | 14982 | 15564 | 15654 | 15394 | 15887 | 16149 | 16281 | 15938 | 14714 | 14346 | 15427 | 15302 | 14973 | 14640 |

### Gas Usage

| Station                   | (mmscfd)     |
|---------------------------|--------------|
| CBPS                      | 3            |
| CBPS                      | 13           |
| GLGR                      | 53           |
| PAKA                      | 15           |
| PGPS                      | 23           |
| SRDG                      | 33           |
| TJGS                      | 211          |
| <b>Total TNB</b>          | <b>350</b>   |
| KLPP                      | 114          |
| MPSS                      | 40           |
| PDPS                      | 21           |
| PGLA                      | 106          |
| PKLG                      | 20           |
| PLPS                      | 96           |
| PTEK                      | 24           |
| SGRI                      | 226          |
| SKSP                      | 34           |
| YPGS                      | 67           |
| YPKA                      | 124          |
| <b>Total IPP</b>          | <b>872</b>   |
| <b>Total Gas</b>          | <b>1,222</b> |
| <b>Total Gas Required</b> | <b>1,222</b> |

### Alternate Fuel Usage

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





### 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  |
|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |
| TMGR             | HY02 | 62    | 58    | 59    | 28    | 28    | 28    | 30    | 27    | 24    | 24    | 24    | 26    | 33    | 29    | 30    | 36    | 67    | 59    | 68    | 66    | 72    | 75    | 68    | 70    |
| 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    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |
| UPIA             | HY01 | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 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      |      | 208   | 197   | 198   | 169   | 168   | 170   | 167   | 170   | 164   | 186   | 159   | 157   | 158   | 160   | 194   | 168   | 169   | 192   | 742   | 874   | 978   | 1013  | 1163  | 1283  |
| 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             | CUFK | 9     | 10    | 10    | 10    | 10    | 11    | 10    | 10    | 11    | 12    | 9     | 11    | 11    | 10    | 11    | 11    | 9     | 10    | 10    | 10    | 11    | 9     | 10    | 9     |
| PCUF             | CUFG | 39    | 41    | 41    | 40    | 39    | 40    | 39    | 41    | 40    | 40    | 41    | 39    | 40    | 39    | 39    | 38    | 37    | 38    | 38    | 37    | 36    | 37    | 36    | 37    |
| Total Co-Gen     |      | 48    | 51    | 51    | 50    | 49    | 51    | 49    | 51    | 51    | 52    | 49    | 52    | 50    | 50    | 50    | 51    | 49    | 50    | 50    | 48    | 48    | 46    | 47    | 47    |
| Total Gen        |      | 12931 | 12488 | 12263 | 12067 | 11817 | 11629 | 11411 | 11319 | 11055 | 11021 | 10977 | 11058 | 11092 | 11181 | 11468 | 11567 | 12068 | 13166 | 14132 | 14612 | 15005 | 15361 | 15548 | 15791 |
| 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         |      | 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-PLTG         |      | 4     | -48   | -31   | -47   | -9    | 6     | -6    | 6     | -8    | 3     | 36    | 17    | 10    | 28    | -20   | 26    | -53   | 10    | 38    | 40    | 23    | 53    | -16   | -29   |
| Interconnection  |      | 4     | -48   | -31   | -47   | -9    | 6     | -6    | 6     | -8    | 3     | 36    | 17    | 10    | 28    | -20   | 26    | -53   | 10    | 38    | 40    | 23    | 53    | -16   | -29   |
| Svstem Total     |      | 12927 | 12536 | 12294 | 12114 | 11826 | 11623 | 11417 | 11313 | 11063 | 11018 | 10941 | 11041 | 11082 | 11153 | 11488 | 11541 | 12121 | 13156 | 14094 | 14572 | 14982 | 15308 | 15564 | 15820 |
| SRev ST-Coal     |      | 76    | 82    | 67    | 77    | 83    | 188   | 83    | 84    | 81    | 70    | 71    | 21    | 35    | 48    | 24    | 29    | 11    | 1     | 43    | 44    | 7     | 28    | 4     | 9     |
| SRev OCGT-Gas    |      | 58    | 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    |      | 115   | 415   | 443   | 598   | 838   | 823   | 1243  | 1345  | 1597  | 1668  | 1712  | 1682  | 1635  | 1636  | 1640  | 1861  | 1428  | 708   | 318   | 396   | 175   | 151   | 123   | 172   |
| 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      |      | 28    | 25    | 25    | 26    | 27    | 25    | 27    | 25    | 24    | 27    | 24    | 26    | 26    | 26    | 25    | 26    | 25    | 27    | 26    | 26    | 28    | 28    | 30    | 29    |
| Syncon           |      | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   | 719   |
| Hydro            |      | 95    | 106   | 105   | 135   | 136   | 133   | 136   | 133   | 139   | 267   | 144   | 146   | 145   | 142   | 259   | 135   | 134   | 136   | 152   | 323   | 219   | 284   | 184   | 64    |
| S.Reserve Total  |      | 1091  | 1347  | 1359  | 1555  | 1803  | 1888  | 2208  | 2306  | 2561  | 2597  | 2673  | 2592  | 2558  | 2571  | 2517  | 2769  | 2318  | 1589  | 842   | 1300  | 1007  | 1137  | 1000  | 980   |