

### Availability at Daily Maximum Demand Hour

|              |                  |
|--------------|------------------|
| ST-Coal      | 0 MW             |
| ST-Gas       | 0 MW             |
| ST-Oil       | 0 MW             |
| Gas          | 3,289 MW         |
| Hydro        | 2,422 MW         |
| Distillate   | 0 MW             |
| Total TNB    | <u>5,711 MW</u>  |
| Total IPP    | <u>14,840 MW</u> |
| Total Co-Gen | <u>25 MW</u>     |
| Total System | <u>20,576 MW</u> |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Gas                     | 43,133         | 14.70 %         |
| Hydro                   | 28,412         | 9.68 %          |
| <b>Total TNB</b>        | <b>71,545</b>  | <b>24.38 %</b>  |
| ST-Coal                 | 137,154        | 46.74 %         |
| ST-Gas                  | 3,648          | 1.24 %          |
| Gas                     | 79,840         | 27.21 %         |
| <b>Total IPP</b>        | <b>220,642</b> | <b>75.18 %</b>  |
| Co-Gen                  | 405            | 0.14 %          |
| <b>Total Co-Gen</b>     | <b>405</b>     | <b>0.14 %</b>   |
| <b>Total Generation</b> | <b>292,592</b> | <b>99.70 %</b>  |
| PLTG                    | -179           | -0.06 %         |
| HVDC                    | -699           | -0.24 %         |
| <b>Interconnection</b>  | <b>-878</b>    | <b>-0.30 %</b>  |
| <b>Net Energy</b>       | <b>293,470</b> | <b>100.00 %</b> |

### Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 4/20/2016 | 17,788 MW   |
| Date: 4/20/2016 | 372,457 MWH |

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

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 20:00:00 Hour |
| Total Set On Bus              | 14,710 MW     |
| TNB Generation                | 3,787 MW      |
| IPP Generation                | 9,437 MW      |
| Spinning Reserve              | 1,468 MW      |
| Maximum Demand                | 13,275 MW     |
| Net Energy                    | 293,470 MWH   |
| Load Factor                   | 92.11 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 44,845,328.75 RM |
| Cost per Unit | 17.09 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 341          |
| Hydro        | 222          |
| Syncon       | 753          |
| Thermal      | 204          |
| <b>Total</b> | <b>1,520</b> |

### Time Weather Temperature

|           |        |    |
|-----------|--------|----|
| Afternoon | Sunny  | 34 |
| Morning   | Cloudy | 28 |

### Gas Usage

| Station                   | (mmscfd)   |
|---------------------------|------------|
| CBPS                      | 35         |
| GLGR                      | 33         |
| PAKA                      | 50         |
| PGPS                      | 53         |
| SRDG                      | 3          |
| TJGS                      | 63         |
| TJGS                      | 112        |
| <b>Total TNB</b>          | <b>349</b> |
| CBPS                      | 56         |
| KLPP                      | 115        |
| MPSS                      | 62         |
| NPRI                      | 155        |
| PGLA                      | 111        |
| PLPS                      | 41         |
| PTEK                      | 38         |
| SGRI                      | 8          |
| PCLG                      | 35         |
| <b>Total IPP</b>          | <b>621</b> |
| <b>Total Gas</b>          | <b>969</b> |
| <b>Total Gas Required</b> | <b>969</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 | 12407 | 11869 | 11560 | 11087 | 10946 | 10845 | 10853 | 11033 | 11184 | 12139 | 12730 | 13116 | 13148 | 12847 | 12815 | 12998 | 12988 | 12740 | 12191 | 12157 | 13275 | 13104 | 12737 | 12588 |







