

### Availability at Daily Maximum Demand Hour

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 2,820 MW         |
| ST-Gas              | 0 MW             |
| ST-Oil              | 0 MW             |
| Gas                 | 3,887 MW         |
| Hydro               | 1,838 MW         |
| Distillate          | 0 MW             |
| <b>Total TNB</b>    | <b>8,545 MW</b>  |
| <b>Total IPP</b>    | <b>9,575 MW</b>  |
| <b>Total Co-Gen</b> | <b>0 MW</b>      |
| <b>Total System</b> | <b>18,690 MW</b> |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| ST-Coal                 | 65,198         | 19.33 %         |
| Gas                     | 74,183         | 21.99 %         |
| Hydro                   | 13,707         | 4.06 %          |
| <b>Total TNB</b>        | <b>153,088</b> | <b>45.39 %</b>  |
| ST-Coal                 | 91,709         | 27.19 %         |
| Gas                     | 91,467         | 27.12 %         |
| <b>Total IPP</b>        | <b>183,176</b> | <b>54.31 %</b>  |
| Co-Gen                  | 1,350          | 0.40 %          |
| <b>Total Co-Gen</b>     | <b>1,350</b>   | <b>0.40 %</b>   |
| <b>Total Generation</b> | <b>337,614</b> | <b>100.10 %</b> |
| PLTG                    | -325           | -0.10 %         |
| HVDC                    | 652            | 0.19 %          |
| <b>Interconnection</b>  | <b>327</b>     | <b>0.10 %</b>   |
| <b>Net Energy</b>       | <b>337,287</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              | 17,561 MW     |
| TNB Generation                | 7,502 MW      |
| IPP Generation                | 8,884 MW      |
| Spinning Reserve              | 1,127 MW      |
| Maximum Demand                | 16,458 MW     |
| Net Energy                    | 337,287 MWH   |
| Load Factor                   | 85.39 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 50,476,682.58 RM |
| Cost per Unit | 15.57 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 305          |
| Hydro        | 261          |
| Syncon       | 452          |
| Thermal      | 39           |
| <b>Total</b> | <b>1,057</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot     | 35          |
| Morning   | Sunny   | 25          |

### Gas Usage

| Station                   | (mmscfd)     |
|---------------------------|--------------|
| CBPS                      | 30           |
| CBPS                      | 32           |
| GLGR                      | 56           |
| PAKA                      | 160          |
| PGGS                      | 18           |
| PGPS                      | 49           |
| SRDG                      | 19           |
| TJGS                      | 216          |
| <b>Total TNB</b>          | <b>580</b>   |
| KLPP                      | 80           |
| MPSS                      | 58           |
| PDPS                      | 41           |
| PGLA                      | 75           |
| PKLG                      | 26           |
| PLPS                      | 101          |
| PTEK                      | 36           |
| SGB3                      | 74           |
| SGRI                      | 172          |
| YPKA                      | 93           |
| <b>Total IPP</b>          | <b>758</b>   |
| <b>Total Gas</b>          | <b>1,338</b> |
| <b>Total Gas Required</b> | <b>1,338</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 | 12939 | 12351 | 11769 | 11382 | 11124 | 11084 | 11324 | 11348 | 12119 | 14111 | 15136 | 15843 | 15753 | 15474 | 16044 | 16318 | 16458 | 16007 | 14829 | 14453 | 15532 | 15461 | 14906 | 14427 |

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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| JMAH          | U001 | 701  | 700  | 699  | 699  | 700  | 699  | 699  | 699  | 699  | 699  | 701  | 697  | 699  | 697  | 698  | 698  | 698  | 699  | 698  | 701  | 703  | 702  | 700  | 700  | 703  | 699  | 701  | 700  | 699  | 698  | 699  | 697  | 699  | 701  | 705  | 705  | 702  | 705  | 702  | 703  | 706  | 702  | 700  | 705  | 702  | 703  |      |      |     |     |     |     |
| JMAH          | U002 | 704  | 700  | 698  | 706  | 703  | 691  | 696  | 702  | 703  | 701  | 701  | 697  | 701  | 700  | 700  | 693  | 698  | 703  | 710  | 702  | 687  | 703  | 719  | 707  | 706  | 705  | 700  | 701  | 711  | 706  | 703  | 686  | 702  | 711  | 706  | 708  | 700  | 701  | 712  | 708  | 687  | 701  | 700  | 700  | 703  | 705  | 706  | 696  |     |     |     |     |
| JMJG          | U001 | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  | 660  |      |     |     |     |     |
| JMJG          | U002 | 674  | 670  | 694  | 661  | 674  | 671  | 677  | 672  | 676  | 673  | 677  | 674  | 694  | 662  | 673  | 674  | 687  | 677  | 677  | 667  | 708  | 677  | 668  | 684  | 682  | 676  | 675  | 690  | 693  | 678  | 674  | 683  | 679  | 683  | 678  | 672  | 682  | 689  | 678  | 681  | 679  | 694  | 683  | 689  | 673  | 612  | 525  | 587  | 683 | 689 |     |     |
| JMJG          | U003 | 663  | 657  | 688  | 649  | 672  | 665  | 670  | 671  | 668  | 670  | 677  | 666  | 690  | 662  | 671  | 668  | 680  | 671  | 672  | 672  | 700  | 678  | 666  | 682  | 673  | 669  | 670  | 683  | 685  | 669  | 668  | 677  | 678  | 673  | 669  | 676  | 671  | 667  | 664  | 679  | 670  | 672  | 589  | 485  | 405  | 392  | 398  | 375  |     |     |     |     |
| JMJG          | U004 | 860  | 860  | 859  | 854  | 796  | 792  | 792  | 792  | 791  | 795  | 791  | 791  | 790  | 791  | 792  | 779  | 719  | 717  | 708  | 709  | 711  | 699  | 699  | 700  | 730  | 748  | 749  | 748  | 749  | 747  | 748  | 747  | 746  | 747  | 747  | 749  | 748  | 748  | 747  | 748  | 747  | 748  | 747  | 748  | 711  | 719  | 718  | 719  | 745 |     |     |     |
| PKLG          | U003 | 286  | 282  | 283  | 282  | 283  | 282  | 282  | 285  | 282  | 282  | 276  | 283  | 283  | 277  | 283  | 282  | 284  | 282  | 280  | 276  | 283  | 281  | 276  | 280  | 280  | 278  | 282  | 280  | 282  | 282  | 280  | 282  | 281  | 283  | 281  | 283  | 284  | 283  | 284  | 279  | 279  | 281  | 283  | 283  | 280  | 278  | 280  | 282  |     |     |     |     |
| PKLG          | U004 | 279  | 282  | 282  | 281  | 281  | 279  | 277  | 279  | 279  | 279  | 279  | 280  | 280  | 280  | 277  | 277  | 277  | 277  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279 |     |     |     |
| PKLG          | U006 | 464  | 474  | 466  | 469  | 469  | 466  | 469  | 466  | 466  | 469  | 469  | 469  | 466  | 472  | 469  | 466  | 469  | 469  | 466  | 467  | 467  | 470  | 467  | 467  | 468  | 467  | 467  | 470  | 470  | 467  | 467  | 467  | 470  | 464  | 467  | 467  | 470  | 467  | 467  | 467  | 467  | 471  | 464  | 470  | 467  | 467  | 467  |      |     |     |     |     |
| TBN           | U001 | 692  | 695  | 696  | 696  | 700  | 694  | 694  | 694  | 699  | 699  | 694  | 696  | 695  | 694  | 695  | 691  | 698  | 692  | 697  | 698  | 693  | 694  | 693  | 694  | 696  | 695  | 694  | 693  | 697  | 695  | 698  | 695  | 698  | 693  | 697  | 697  | 697  | 695  | 692  | 695  | 692  | 696  | 694  | 698  | 696  | 697  | 695  | 695  | 691 |     |     |     |
| TBN           | U002 | 697  | 697  | 697  | 694  | 698  | 696  | 695  | 697  | 697  | 696  | 697  | 693  | 696  | 703  | 693  | 698  | 696  | 700  | 696  | 699  | 694  | 701  | 697  | 700  | 687  | 701  | 698  | 697  | 698  | 702  | 707  | 690  | 714  | 695  | 697  | 692  | 695  | 693  | 692  | 692  | 695  | 693  | 692  | 693  | 696  | 696  | 695  | 693  | 692 |     |     |     |
| Total ST-Coal |      | 6680 | 6677 | 6722 | 6651 | 6638 | 6595 | 6612 | 6617 | 6620 | 6623 | 6620 | 6608 | 6661 | 6582 | 6620 | 6600 | 6663 | 6575 | 6576 | 6540 | 6630 | 6578 | 6542 | 6586 | 6564 | 6579 | 6598 | 6635 | 6650 | 6614 | 6598 | 6607 | 6616 | 6609 | 6607 | 6621 | 6614 | 6600 | 6602 | 6622 | 6581 | 6599 | 6386 | 6059 | 5812 | 5864 | 5959 | 6011 |     |     |     |     |
| Total 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   |     |     |     |
| Total 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   |     |     |
| CBPS          | GT1A | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 8    | 9    | 9    | 28   | 28   | 32   | 52   | 57   | 87   | 82   | 81   | 82   | 98   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96   | 96  | 96  |     |     |
| CBPS          | GT1B | 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   |     |     |
| CBPS          | ST1C | 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   |     |     |
| GLGR          | GT01 | 102  | 102  | 101  | 103  | 68   | 66   | 67   | 66   | 66   | 67   | 66   | 68   | 67   | 66   | 66   | 66   | 101  | 102  | 101  | 100  | 100  | 100  | 99   | 99   | 98   | 98   | 98   | 98   | 97   | 98   | 98   | 97   | 99   | 99   | 99   | 99   | 99   | 99   | 100  | 99   | 99   | 100  | 99   | 100  | 101  | 101  | 100  | 101  | 101 | 101 |     |     |
| GLGR          | GT02 | 106  | 106  | 106  | 106  | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 104  | 109  | 108  | 108  | 108  | 108  | 107  | 106  | 105  | 106  | 104  | 105  | 105  | 105  | 106  | 105  | 106  | 105  | 106  | 105  | 106  | 108  | 107  | 107  | 107  | 107  | 107  | 107  | 107  | 107  | 108  | 108  | 108 | 108 |     |     |
| GLGR          | ST1C | 97   | 97   | 97   | 98   | 78   | 72   | 72   | 72   | 72   | 72   | 73   | 72   | 73   | 72   | 72   | 72   | 89   | 99   | 99   | 99   | 99   | 98   | 97   | 97   | 96   | 96   | 96   | 95   | 96   | 96   | 97   | 97   | 97   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98   | 98  |     |     |     |
| KLPP          | GT11 | 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   |     |     |
| KLPP          | GT13 | 134  | 134  | 133  | 133  | 108  | 107  | 67   | 67   | 67   | 67   | 68   | 68   | 67   | 105  | 106  | 106  | 106  | 135  | 135  | 133  | 132  | 132  | 134  | 134  | 134  | 133  | 133  | 133  | 137  | 137  | 137  | 138  | 138  | 137  | 137  | 137  | 137  | 138  | 137  | 137  | 138  | 138  | 137  | 137  | 137  | 137  | 137  | 137  | 137 | 137 |     |     |
| KLPP          | GT15 | 145  | 147  | 148  | 146  | 119  | 120  | 79   | 78   | 78   | 77   | 77   | 77   | 118  | 118  | 118  | 118  | 143  | 147  | 141  | 139  | 140  | 143  | 147  | 147  | 146  | 146  | 147  | 146  | 146  | 146  | 146  | 145  | 145  | 147  | 147  | 146  | 146  | 146  | 146  | 147  | 147  | 146  | 146  | 147  | 147  | 149  | 149  | 149  | 147 |     |     |     |
| KLPP          | ST17 | 136  | 137  | 133  | 136  | 123  | 124  | 94   | 92   | 92   | 90   | 90   | 91   | 91   | 115  | 123  | 124  | 124  | 135  | 135  | 131  | 131  | 122  | 150  | 150  | 151  | 151  | 152  | 152  | 154  | 154  | 153  | 153  | 153  | 153  | 153  | 153  | 154  | 153  | 153  | 152  | 152  | 150  | 150  | 151  | 154  | 151  | 154  | 151  | 154 |     |     |     |
| MPSS          | GT01 | 107  | 108  | 107  | 97   | 68   | 68   | 69   | 68   | 69   | 69   | 67   | 69   | 68   | 67   | 70   | 68   | 69   | 109  | 108  | 107  | 103  | 104  | 103  | 103  | 103  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 101  | 104  | 104  | 104  | 104  | 104  | 104  | 103  | 103  | 104  | 103  | 103  | 104 | 105 | 105 |     |
| MPSS          | GT02 | 107  | 107  | 107  | 98   | 69   | 70   | 71   | 70   | 72   | 71   | 71   | 72   | 72   | 70   | 71   | 71   | 72   | 108  | 107  | 107  | 106  | 106  | 105  | 105  | 105  | 105  | 105  | 105  | 104  | 104  | 104  | 104  | 104  | 105  | 104  | 104  | 104  | 104  | 105  | 105  | 105  | 105  | 105  | 105  | 105  | 105  | 105  | 105  | 105 | 105 | 105 | 105 |
| MPSS          | ST01 | 114  | 114  | 114  | 109  | 66   | 65   | 65   | 64   | 64   | 65   | 65   | 65   | 65   | 64   | 64   | 64   | 64   | 102  | 110  | 111  | 111  | 109  | 109  | 109  | 109  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112  | 112 | 112 |     |     |
| PAKA          | GT1A | 89   | 89   | 66   | 66   | 66   | 65   | 65   | 66   | 66   | 66   | 66   | 66   | 65   | 66   | 66   | 66   | 67   | 88   | 88   | 87   | 85   | 85   | 85   | 85   | 85   | 86   | 85   | 84   | 83   | 84   | 84   | 84   | 83   | 83   | 83   | 84   | 85   | 85   | 85   | 85   | 85   | 65   | 67   | 87   | 86   | 87   | 87   | 87   | 87  | 88  |     |     |
| PAKA          | GT1B | 91   | 91   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 64   | 65   | 65   | 65   | 65   | 91   | 90   | 89   | 88   | 88   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87   | 87  | 87  |     |     |
| PAKA          | ST1C | 78   | 78   | 66   | 65   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 66   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78  | 78  |     |     |
| PAKA          | GT2A | 90   | 91   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 65   | 90   | 90   | 89   | 87   | 86   | 86   | 86   | 86   | 86   | 85   | 85   | 85   | 85   | 84   | 86   | 85   | 86   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |



