

Availability at Daily Maximum Demand Hour

| | |
|--------------|-----------|
| ST-Coal | 2,040 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 4,210 MW |
| Hydro | 1,740 MW |
| Distillate | 0 MW |
| Total TNB | 7,990 MW |
| Total IPP | 10,154 MW |
| Total Co-Gen | 0 MW |
| Total System | 18,144 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| ST-Coal | 46,405 | 13.66 % |
| Gas | 79,540 | 23.41 % |
| Hydro | 11,441 | 3.37 % |
| Total TNB | 137,386 | 40.43 % |
| ST-Coal | 91,680 | 26.98 % |
| ST-Gas | 11,069 | 3.26 % |
| Gas | 98,936 | 29.12 % |
| Total IPP | 201,685 | 59.36 % |
| Co-Gen | 1,394 | 0.41 % |
| Total Co-Gen | 1,394 | 0.41 % |
| Total Generation | 340,465 | 100.20 % |
| PLTG | -36 | -0.01 % |
| HVDC | 725 | 0.21 % |
| Interconnection | 689 | 0.20 % |
| Net Energy | 339,776 | 100.00 % |

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: | 14:30:00 Hour |
| Total Set On Bus | 17,190 MW |
| TNB Generation | 6,950 MW |
| IPP Generation | 9,167 MW |
| Spinning Reserve | 1,019 MW |
| Maximum Demand | 16,180 MW |
| Net Energy | 339,776 MWH |
| Load Factor | 87.50 % |

Fuel Cost

| | |
|---------------|--------------------|
| Total Cost: | 56,734,108.88 RM |
| Cost per Unit | 1,724.00 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 284 |
| Hydro | 234 |
| Syncon | 564 |
| Thermal | 42 |
| Total | 1,124 |

Time Weather Temperature

| | | |
|-----------|-------|----|
| Afternoon | Hot | 32 |
| Morning | Sunny | 28 |

Gas Usage

| Station | (mmscfd) |
|---------------------------|--------------|
| CBPS | 26 |
| CBPS | 48 |
| GLGR | 57 |
| PAKA | 188 |
| PGPS | 43 |
| SRDG | 40 |
| TJGS | 221 |
| Total TNB | 622 |
| KLPP | 103 |
| MPSS | 61 |
| PDPS | 4 |
| PGLA | 109 |
| PKLG | 15 |
| PLPS | 110 |
| SGB3 | 92 |
| SGRI | 75 |
| YPGS | 69 |
| YPKA | 135 |
| PKLG | 109 |
| Total IPP | 883 |
| Total Gas | 1,506 |
| Total Gas Required | 1,506 |

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|----------|
| Total | 0 |

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 | 13799 | 13068 | 12656 | 12293 | 11964 | 11831 | 12132 | 12049 | 12389 | 14244 | 15150 | 15796 | 15851 | 15425 | 15908 | 16169 | 15956 | 15453 | 14283 | 14055 | 15065 | 15071 | 14506 | 14139 |

Daily MW Generation on Thursday

| 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 | U002 | 708 | 701 | 702 | 705 | 704 | 704 | 705 | 703 | 703 | 706 | 705 | 703 | 703 | 702 | 705 | 705 | 700 | 704 | 703 | 703 | 700 | 708 | 705 | 702 | 707 | 700 | 706 | 701 | 704 | 703 | 702 | 694 | 703 | 704 | 705 | 703 | 702 | 700 | 703 | 703 | 702 | 702 | 703 | 700 | 707 | | | | | |
| JMJG | U001 | 395 | 394 | 397 | 397 | 397 | 398 | 395 | 395 | 393 | 394 | 398 | 395 | 397 | 396 | 393 | 499 | 662 | 677 | 670 | 647 | 663 | 653 | 655 | 652 | 657 | 662 | 657 | 651 | 656 | 651 | 667 | 680 | 678 | 678 | 683 | 678 | 680 | 685 | 678 | 677 | 679 | 671 | 673 | 674 | 677 | 674 | 673 | 678 | | |
| JMJG | U002 | 682 | 678 | 682 | 685 | 681 | 681 | 681 | 680 | 681 | 682 | 680 | 682 | 681 | 682 | 680 | 683 | 679 | 683 | 681 | 681 | 680 | 682 | 682 | 698 | 682 | 678 | 683 | 713 | 676 | 678 | 679 | 681 | 686 | 683 | 681 | 680 | 682 | 679 | 681 | 700 | 682 | 686 | 681 | 686 | 683 | 681 | 679 | 686 | | |
| JMJG | U003 | 670 | 670 | 671 | 673 | 669 | 672 | 667 | 668 | 669 | 672 | 667 | 673 | 679 | 676 | 673 | 668 | 646 | 680 | 676 | 671 | 673 | 673 | 671 | 685 | 670 | 667 | 667 | 700 | 657 | 666 | 668 | 668 | 668 | 668 | 667 | 671 | 673 | 666 | 671 | 685 | 666 | 672 | 669 | 671 | 671 | 671 | 672 | 675 | | |
| PKLG | U003 | 278 | 276 | 279 | 281 | 283 | 281 | 279 | 283 | 279 | 279 | 282 | 283 | 285 | 281 | 281 | 281 | 285 | 277 | 285 | 279 | 281 | 283 | 285 | 285 | 285 | 279 | 281 | 281 | 283 | 281 | 283 | 281 | 291 | 285 | 278 | 283 | 285 | 279 | 283 | 281 | 287 | 284 | 277 | 283 | 281 | 288 | | | | |
| PKLG | U004 | 279 | 278 | 278 | 278 | 276 | 274 | 272 | 275 | 277 | 278 | 278 | 279 | 280 | 278 | 280 | 275 | 279 | 278 | 276 | 277 | 278 | 276 | 272 | 278 | 274 | 278 | 272 | 279 | 277 | 278 | 276 | 278 | 278 | 280 | 278 | 278 | 272 | 278 | 278 | 276 | 279 | 276 | 278 | 280 | 283 | 284 | 282 | 284 | | |
| PKLG | U006 | 470 | 467 | 470 | 467 | 467 | 467 | 470 | 467 | 470 | 467 | 470 | 467 | 467 | 467 | 467 | 466 | 467 | 466 | 467 | 469 | 466 | 469 | 696 | 699 | 696 | 699 | 699 | 697 | 699 | 697 | 699 | 696 | 699 | 696 | 697 | 699 | 696 | 699 | 696 | 697 | 699 | 696 | 699 | 696 | 699 | 696 | 696 | | | |
| TBIN | U001 | 691 | 696 | 696 | 699 | 697 | 697 | 678 | 698 | 685 | 696 | 697 | 695 | 699 | 696 | 699 | 694 | 695 | 689 | 704 | 697 | 694 | 697 | 696 | 699 | 696 | 699 | 697 | 699 | 697 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | 699 | 696 | | | |
| TBIN | U002 | 698 | 698 | 698 | 696 | 695 | 698 | 699 | 698 | 701 | 696 | 696 | 696 | 700 | 696 | 698 | 696 | 696 | 696 | 696 | 696 | 696 | 696 | 699 | 696 | 696 | 699 | 696 | 701 | 696 | 699 | 697 | 699 | 696 | 697 | 699 | 696 | 697 | 698 | 697 | 699 | 697 | 695 | 697 | 698 | 696 | 698 | 696 | 697 | 700 | |
| TBIN | U003 | 695 | 693 | 697 | 699 | 695 | 697 | 696 | 697 | 695 | 697 | 694 | 695 | 697 | 699 | 697 | 699 | 697 | 696 | 697 | 705 | 695 | 698 | 699 | 695 | 697 | 696 | 697 | 700 | 696 | 696 | 700 | 696 | 696 | 696 | 697 | 694 | 696 | 696 | 698 | 697 | 700 | 697 | 697 | 697 | 696 | 696 | 696 | 694 | | |
| Total ST-Coal | | 5566 | 5551 | 5570 | 5580 | 5564 | 5569 | 5540 | 5566 | 5554 | 5565 | 5565 | 5569 | 5589 | 5574 | 5577 | 5663 | 5797 | 5871 | 5850 | 5807 | 5849 | 5826 | 5819 | 5854 | 5833 | 5836 | 5824 | 5901 | 5805 | 5819 | 5836 | 5848 | 5851 | 5851 | 5847 | 5845 | 5846 | 5858 | 5856 | 5881 | 5843 | 5832 | 5849 | 5856 | 5853 | 5853 | 5845 | 5872 | | |
| 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 | 0 |
| PKLG | U001 | 283 | 278 | 184 | 145 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 170 | 276 | 280 | 283 | 284 | 287 | 281 | 284 | 283 | 289 | 275 | 283 | 283 | 285 | 283 | 216 | 251 | 280 | 283 | 284 | 284 | 284 | 284 | 283 | 283 | 283 | 283 | 284 | 222 | | | | | | |
| PKLG | U002 | 281 | 275 | 212 | 166 | 154 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 145 | 148 | 246 | 266 | 280 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 262 | 265 | 262 | 258 | 258 | 259 | 274 | 277 | 282 | 284 | 282 | 282 | 280 | 273 | 273 | 273 | 261 | 258 | 258 | | | | | |
| Total ST-Gas | | 564 | 553 | 396 | 311 | 298 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 290 | 289 | 318 | 522 | 546 | 563 | 566 | 569 | 563 | 566 | 565 | 571 | 557 | 545 | 548 | 545 | 543 | 541 | 475 | 525 | 557 | 565 | 568 | 566 | 566 | 564 | 556 | 556 | 556 | 544 | 542 | 480 | | | | | |
| CBPS | GT1A | 87 | 87 | 87 | 87 | 88 | 87 | 88 | 88 | 88 | 87 | 88 | 88 | 88 | 88 | 87 | 87 | 87 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 99 | 96 | 93 | 93 | 93 | 98 | 99 | 98 | 98 | 98 | 98 | 99 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 94 | | |
| CBPS | GT1B | 82 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 55 | 71 | 96 | 94 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 91 | 92 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 90 | |
| CBPS | ST1C | 84 | 40 | 39 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 40 | 39 | 39 | 39 | 40 | 40 | 40 | 101 | 101 | 100 | 100 | 100 | 99 | 100 | 99 | 100 | 95 | 96 | 96 | 101 | 102 | 104 | 102 | 102 | 102 | 102 | 102 | 103 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 100 | | |
| GLGR | GT01 | 108 | 108 | 108 | 108 | 109 | 88 | 68 | 67 | 67 | 67 | 68 | 68 | 69 | 68 | 66 | 68 | 94 | 107 | 107 | 105 | 106 | 106 | 105 | 104 | 104 | 104 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 107 | | |
| GLGR | GT02 | 107 | 110 | 110 | 109 | 110 | 88 | 69 | 70 | 69 | 70 | 70 | 67 | 69 | 69 | 69 | 96 | 108 | 108 | 109 | 109 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| GLGR | ST1C | 99 | 99 | 99 | 99 | 99 | 89 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 82 | 97 | 97 | 97 | 97 | 98 | 97 | 97 | 98 | 98 | 97 | 98 | 97 | 97 | 97 | 97 | 98 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | | |
| KLPP | GT11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 28 | 28 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | |
| KLPP | GT12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| KLPP | GT13 | 137 | 137 | 131 | 131 | 132 | 102 | 103 | 71 | 64 | 65 | 65 | 64 | 65 | 64 | 64 | 63 | 104 | 115 | 133 | 140 | 139 | 139 | 138 | 139 | 138 | 138 | 139 | 139 | 139 | 139 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 |
| KLPP | GT14 | 151 | 151 | 151 | 151 | 151 | 151 | 130 | 130 | 93 | 93 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 127 | 127 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | |
| KLPP | GT15 | 145 | 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 117 | 138 | 142 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 148 | 148 | 147 | 146 | 146 | 146 | 130 | 113 | 113 | 142 | 143 | 143 | 143 | 143 | 144 | 144 | 143 | 145 | | | | | | |
| KLPP | ST17 | 203 | 190 | 138 | 134 | 130 | 121 | 124 | 104 | 92 | 91 | 91 | 90 | 88 | 96 | 108 | 185 | 197 | 227 | 231 | 231 | 234 | 234 | 235 | 235 | 233 | 233 | 235 | 235 | 234 | 234 | 234 | 223 | 211 | 210 | 232 | 232 | 231 | 224 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | | | | |
| MPSS | GT01 | 108 | 108 | 108 | 112 | 108 | 91 | 75 | 77 | 75 | 74 | 76 | 77 | 77 | 74 | 75 | 75 | 88 | 108 | 107 | 106 | 104 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | | |
| MPSS | GT02 | 110 | 110 | 111 | 111 | 111 | 93 | 78 | 76 | 78 | 77 | 78 | 78 | 79 | 78 | 78 | 77 | 78 | 90 | 111 | 110 | 110 | 109 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | |
| MPSS | ST01 | 115 | 115 | 115 | 115 | 115 | 99 | 71 | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 70 | 70 | 77 | 113 | 114 | 114 | 114 | 114 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | |
| PAKA | GT1A | 88 | 88 | 67 | 66 | 66 | 66 | 67 | 65 | 65 | 65 | 66 | 66 | 65 | 65 | 65 | 65 | 65 | 66 | 88 | 88 | 87 | 87 | 86 | 87 | 87 | 86 | 85 | 86 | 86 | 86 | | | | | | | | | | | | | | | | | | | | |

