

Availability At Daily Maximum Demand Hour

| | | |
|---------------------|---------------|-----------|
| ST-Coal | 1,200 | MW |
| ST-Gas | 0 | MW |
| ST-Oil | 155 | MW |
| Gas | 3,502 | MW |
| Hydro | 1,620 | MW |
| Distillate | 845 | MW |
| Total TNB | 7,322 | MW |
| Total IPP | 11,352 | MW |
| Total Co-Gen | 72 | MW |
| System Total | 18,746 | MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 16:30 | |
| TNB Generation | 5,283 MW |
| IPP Generation | 8,909 MW |
| Total Set On Bus | 15,067 MW |
| Maximum Demand | 14,290 MW |
| Spinning Reserve | 803 MW |
| Net Energy | 288,841 MWH |
| Load Factor | 84.2 % |

Maximum Demand Record

| | | |
|---------------|------------|---------------|
| Date : | 09/05/2011 | 15,476.0 MW |
| Date : | 10/05/2011 | 318,459.0 MWH |

Hourly System MW Generation

| | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|--------------|-------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 10937 | 10242 | 9945 | 9491 | 9189 | 9167 | 9369 | 9530 | 10348 | 12040 | 12996 | 13674 | 13711 | 13351 | 14020 | 14174 | 14211 | 13956 | 12820 | 12567 | 13650 | 13477 | 13020 | 12632 |

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| CBPS | 42 |
| GLGR | 56 |
| PAKA | 135 |
| PGPS | 37 |
| TJGS | 78 |
| TNB Total | 348 |
| KLPP | 66 |
| MPSS | 40 |
| PGLA | 86 |
| PLPS | 110 |
| SGB3 | 67 |
| SGRI | 21 |
| SKSP | 48 |
| YPGS | 32 |
| YPKA | 122 |
| IPP Total | 592 |
| Total Gas | 940 |

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|------------|
| KLPP | 22 |
| PGPS | 42 |
| PKLG | 131 |
| TJGS | 64 |
| Total | 259 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 27,025.00 | 9.36 % |
| ST-Gas | 80.00 | 0.03 % |
| ST-Oil | 2,822.00 | 0.98 % |
| Gas | 44,155.00 | 15.29 % |
| Hydro | 12,956.00 | 4.49 % |
| Distillate | 10,946.00 | 3.79 % |
| Total TNB | 97,984.0 | 33.92 % |
| ST-Coal | 93,075.0 | 32.22 % |
| ST-Oil | 13,075.0 | 4.53 % |
| Gas | 79,621.0 | 27.57 % |
| Distillate | 2,856.0 | 0.99 % |
| Total IPP | 188,627.0 | 65.30 % |
| Co-Gen | 1,884.0 | 0.65 % |
| Total Co-Gen | 1,884.0 | 0.65 % |
| Total Generation | 288,495.0 | 99.88 % |
| PLTG | 142.0 | 0.05 % |
| HVDC | -488.0 | -0.17 % |
| Interconnection | -346.0 | -0.12 % |
| Net Energy | 288,841.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 325 |
| Hydro | 147 |
| Syncon | 454 |
| Thermal | 40 |
| Total | 965 |

Weather Temperature

| Weather | Temperature |
|-----------|-------------|
| Morning | Sunny 26 |
| Afternoon | Hot 35 |

Daily MW Generation On Monday

05-Sep-2011

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| PKLG | U003 | 247 | 249 | 249 | 246 | 250 | 250 | 248 | 250 | 249 | 247 | 248 | 249 | 251 | 251 | 249 | 251 | 254 | 252 | 254 | 255 | 254 | 252 | 244 | 250 | 251 | 254 | 252 | 251 | 249 | 253 | 247 | 249 | 246 | 244 | 249 | 248 | 247 | 247 | 246 | 250 | 247 | | | | | | | | |
| PKLG | U004 | 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 | 19 | 31 | 84 | 104 | 116 | 145 | 154 | 198 | 275 | 283 | 281 | 277 | 278 | 275 | 279 | | | | | | | | |
| PKLG | U005 | 459 | 462 | 462 | 462 | 452 | 462 | 465 | 462 | 461 | 462 | 464 | 463 | 461 | 461 | 463 | 463 | 462 | 462 | 463 | 458 | 463 | 463 | 462 | 462 | 464 | 462 | 463 | 466 | 461 | 462 | 458 | 462 | 461 | 464 | 464 | 466 | 461 | 462 | 462 | 466 | | | | | | | | | |
| PKLG | U006 | 464 | 461 | 463 | 460 | 461 | 461 | 462 | 461 | 464 | 461 | 462 | 462 | 461 | 461 | 461 | 461 | 462 | 462 | 462 | 462 | 462 | 462 | 463 | 463 | 461 | 461 | 461 | 461 | 463 | 460 | 466 | 462 | 461 | 462 | 461 | 462 | 462 | 461 | 464 | 460 | 463 | | | | | | | | |
| JMJG | U001 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | 590 | | | | | | | | |
| JMJG | U003 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | 591 | | | | | | | |
| TBIN | U001 | 694 | 694 | 694 | 694 | 688 | 671 | 626 | 593 | 559 | 547 | 547 | 545 | 553 | 550 | 550 | 550 | 550 | 550 | 550 | 636 | 675 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 699 | 691 | 692 | 692 | 694 | 694 | 694 | 694 | 694 | 694 | 694 | 694 | 694 | | | | | | | |
| TBIN | U002 | 699 | 697 | 697 | 697 | 695 | 674 | 630 | 601 | 563 | 550 | 550 | 550 | 555 | 549 | 549 | 637 | 673 | 694 | 700 | 694 | 694 | 699 | 693 | 699 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | 698 | | | | | | |
| JMAH | U001 | 704 | 705 | 706 | 699 | 696 | 674 | 632 | 598 | 561 | 555 | 552 | 552 | 552 | 552 | 552 | 630 | 668 | 701 | 701 | 701 | 701 | 701 | 701 | 701 | 701 | 701 | 701 | 702 | 703 | 703 | 696 | 703 | 703 | 698 | 700 | 700 | 706 | 702 | 701 | 701 | 696 | 702 | 699 | 699 | 700 | 700 | | | |
| JMAH | U002 | 706 | 700 | 700 | 700 | 694 | 672 | 629 | 603 | 568 | 553 | 554 | 549 | 555 | 550 | 555 | 555 | 635 | 669 | 706 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 704 | 703 | 700 | 700 | 700 | 701 | 701 | 701 | 701 | 701 | 701 | 701 | 706 | 705 | 706 | 706 | 701 | 701 | 703 | 703 | 700 | 701 | |
| Total ST-Coal | | 5154 | 5149 | 5152 | 5139 | 5117 | 5045 | 4873 | 4749 | 4606 | 4479 | 4481 | 4474 | 4487 | 4486 | 4484 | 4489 | 4896 | 5038 | 5150 | 5156 | 5151 | 5154 | 5153 | 5144 | 5150 | 5157 | 5145 | 5154 | 5145 | 5151 | 5155 | 5143 | 5167 | 5179 | 5231 | 5254 | 5296 | 5307 | 5344 | 5423 | 5426 | 5433 | 5420 | 5424 | 5419 | 5428 | | | |
| PGPS | U001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 45 | 55 | 60 | 59 | 51 | 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 | 13 | 45 | 55 | 60 | 59 | 51 | 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 | |
| PGPS | U001 | 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 | |
| PGPS | U002 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 85 | 84 | 84 | 84 | 84 | 85 | 85 | 86 | 86 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | |
| PKLG | U001 | 266 | 266 | 266 | 266 | 265 | 265 | 266 | 266 | 265 | 265 | 265 | 265 | 265 | 265 | 266 | 266 | 265 | 265 | 265 | 265 | 265 | 266 | 266 | 266 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 266 | 266 | 266 | 266 | 266 | 266 | 265 | 265 | 266 | 266 | 266 | 266 | 266 | 266 | | |
| PKLG | U002 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | 277 | | |
| Total ST-Oil | | 626 | 626 | 626 | 626 | 625 | 625 | 626 | 628 | 626 | 626 | 626 | 628 | 629 | 702 | 700 | 700 | 699 | 699 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 699 | 699 | 699 | 694 | 696 | 697 | 699 | 701 | 701 | 701 | 701 | 700 | 700 | 699 | 700 | 700 | 700 | 700 | 700 | 700 |
| CBPS | GT1A | 87 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 73 | 98 | 97 | 96 | 96 | 95 | 95 | 95 | 95 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | | |
| CBPS | GT1B | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
| CBPS | ST1C | 94 | 74 | 47 | 44 | 44 | 44 | 42 | 43 | 43 | 44 | 44 | 43 | 43 | 43 | 43 | 43 | 42 | 37 | 101 | 103 | 106 | 105 | 104 | 103 | 100 | 102 | 102 | 102 | 103 | 103 | 103 | 103 | 102 | 98 | 97 | 98 | 96 | 102 | 104 | 104 | 105 | 105 | 102 | 49 | 51 | 49 | 49 | 49 | |
| GLGR | GT01 | 105 | 105 | 106 | 68 | 72 | 72 | 72 | 72 | 75 | 72 | 72 | 73 | 72 | 71 | 72 | 74 | 106 | 106 | 106 | 105 | 105 | 105 | 106 | 107 | 106 | 106 | 105 | 104 | 103 | 102 | 103 | 101 | 103 | 102 | 102 | 101 | 103 | 103 | 102 | 103 | 103 | 102 | 103 | 103 | 103 | 103 | 104 | 104 | 104 |
| GLGR | GT02 | 103 | 103 | 103 | 65 | 70 | 70 | 71 | 69 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 106 | 106 | 105 | 104 | 103 | 103 | 103 | 104 | 106 | 104 | 103 | 102 | 102 | 103 | 101 | 103 | 102 | 102 | 101 | 103 | 103 | 102 | 103 | 103 | 102 | 103 | 103 | 102 | 103 | 103 | 103 | 104 | 104 | 104 |
| GLGR | ST1C | 99 | 100 | 100 | 69 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 91 | 100 | 100 | 99 | 99 | 99 | 99 | 100 | 101 | 100 | 100 | 99 | 99 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| KLPP | GT13 | 137 | 146 | 112 | 109 | 105 | 105 | 106 | 106 | 106 | 105 | 106 | 106 | 108 | 108 | 113 | 130 | 146 | 145 | 146 | 145 | 148 | 149 | 149 | 149 | 148 | 148 | 148 | 147 | 148 | 148 | 147 | 147 | 147 | 147 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| KLPP | GT14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 84 | 135 | 136 | 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 | 139 | |
| KLPP | GT15 | 140 | 138 | 112 | 110 | 105 | 106 | 105 | 105 | 105 | 104 | 104 | 105 | 107 | 108 | 116 | 116 | 130 | 148 | 146 | 146 | 145 | 149 | 149 | 148 | 149 | 148 | 148 | 147 | 148 | 148 | 147 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| KLPP | ST17 | 137 | 137 | 119 | 119 | 116 | 116 | 117 | 117 | 117 | 117 | 118 | 118 | 118 | 117 | 117 | 139 | 139 | 202 | 202 | 196 | 196 | 202 | 202 | 205 | 205 | 205 | 205 | 204 | 204 | 204 | 204 | 204 | 202 | 202 | 149 | 149 | 130 | 130 | 131 | 131 | 131 | 131 | 131 | 132 | 132 | 116 | 116 | 116 | |
| MPSS | GT01 | 104 | 105 | 100 | 83 | 83 | 86 | 83 | 81 | 83 | 86 | 81 | 83 | 86 | 83 | 81 | 85 | 84 | 105 | 105 | 104 | 84 | 91 | 99 | 106 | 106 | 106 | 106 | 105 | 105 | 105 | 105 | 105 | 106 | 100 | 85 | 85 | 105 | 107 | 107 | 104 | 101 | 105 | 104 | 105 | 105 | 105 | 105 | | |
| MPSS | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 31 | 61 | 83 | 90 | 99 | 109 | 107 | 107 | 107 | 107 | 108 | 108 | 107 | 107 | 107 | 108 | 107 | 108 | 107 | 100 | 82 | 84 | 103 | 107 | 107 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MPSS | ST01 | 46 | 46 | 45 | 33 | 33 | 32 | 33 | 28 | 30 | 31 | 30 | 31 | 31 | 30 | 30 | 31 | 33 | 44 | 51 | 50 | 69 | 86 | 97 | 106 | 106 | 106 | 106 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 80 | 80 | 95 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | |
| PAKA | GT1A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 65 | 66 | 67 | 65 | 65 | 83 | 83 | 62 | 62 | 84 | 84 | 82 | 82 | 82 | 82 | 82 | 82 | 62 | 60 | 60 | 85 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| PAKA | GT1B | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 59 | 61 | 61 | 60 | 60 | 60 | 60 | 60 | 61 | 65 | 65 | 65 | 66 | 65 | 64 | 65 | 79 | 79 | 60 | 60 | 80 | 81 | 80 | 80 | 80 | 79 | 79 | 79 | 60 | | | | | | | | | | | | | |

