

Availability at Daily Maximum Demand Hour

| | |
|--------------|-----------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 3,019 MW |
| Hydro | 2,483 MW |
| Distillate | 0 MW |
| Total TNB | 5,502 MW |
| Total IPP | 14,677 MW |
| Total Co-Gen | 0 MW |
| Total System | 20,179 MW |

Maximum Demand Record

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

Gas Usage

| Station | (mmscfd) |
|---------------------------|--------------|
| CBPS | 47 |
| GLGR | 54 |
| PAKA | 148 |
| PGPS | 1 |
| SRDG | 18 |
| TJGS | 214 |
| Total TNB | 481 |
| KLPP | 102 |
| MPSS | 50 |
| NPRI | 145 |
| PDPS | 16 |
| PGLA | 108 |
| PKLG | 3 |
| PLPS | 78 |
| PTEK | 40 |
| SGRI | 193 |
| SKSP | 1 |
| PKLG | 90 |
| Total IPP | 827 |
| Total Gas | 1,309 |
| Total Gas Required | 1,309 |

Alternate Fuel Usage

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

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:00:00 Hour |
| Total Set On Bus | 18,410 MW |
| TNB Generation | 4,079 MW |
| IPP Generation | 12,989 MW |
| Spinning Reserve | 1,287 MW |
| Maximum Demand | 17,126 MW |
| Net Energy | 356,663 MWH |
| Load Factor | 86.77 % |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 63,076 | 17.69 % |
| Hydro | 14,701 | 4.12 % |
| Total TNB | 77,777 | 21.81 % |
| ST-Coal | 172,225 | 48.29 % |
| ST-Gas | 8,942 | 2.51 % |
| Gas | 96,091 | 26.94 % |
| Total IPP | 277,258 | 77.74 % |
| Co-Gen | 1,388 | 0.39 % |
| Total Co-Gen | 1,388 | 0.39 % |
| Total Generation | 356,423 | 99.93 % |
| PLTG | 455 | 0.13 % |
| HVDC | -695 | -0.19 % |
| Interconnection | -240 | -0.07 % |
| Net Energy | 356,663 | 100.00 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 63,004,757.10 RM |
| Cost per Unit | 18.43 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 252 |
| Hydro | 406 |
| Syncon | 632 |
| Thermal | 132 |
| Total | 1,422 |

Time Weather Temperature

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot | 32 |
| Morning | Sunny | 28 |

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 | 14074 | 13434 | 13015 | 12637 | 12361 | 12204 | 12463 | 12425 | 12834 | 14419 | 15437 | 16032 | 16115 | 15840 | 16517 | 16964 | 17126 | 16756 | 15532 | 15311 | 16452 | 16411 | 16004 | 15589 |

Daily MW Generation on Wednesday

| 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 | 693 | 692 | 692 | 695 | 691 | 692 | 693 | 692 | 691 | 693 | 692 | 692 | 692 | 692 | 694 | 692 | 693 | 692 | 692 | 689 | 691 | 689 | 690 | 692 | 686 | 688 | 692 | 687 | 687 | 686 | 686 | 692 | 692 | 690 | 692 | | | | | | | | | | | | | | | | | |
| JMAH | U002 | 694 | 694 | 695 | 694 | 697 | 693 | 696 | 694 | 693 | 695 | 693 | 705 | 693 | 691 | 693 | 693 | 695 | 694 | 695 | 706 | 694 | 694 | 695 | 692 | 694 | 695 | 695 | 693 | 694 | 693 | 695 | 695 | 694 | 689 | 694 | 693 | 694 | 694 | | | | | | | | | | | | | | |
| JMJG | U001 | 677 | 678 | 677 | 674 | 676 | 676 | 677 | 678 | 677 | 674 | 671 | 678 | 677 | 677 | 676 | 677 | 677 | 678 | 679 | 675 | 674 | 677 | 675 | 676 | 675 | 677 | 678 | 677 | 674 | 678 | 674 | 676 | 673 | 674 | 678 | 677 | 677 | | | | | | | | | | | | | | | |
| JMJG | U002 | 678 | 676 | 677 | 678 | 674 | 677 | 677 | 676 | 678 | 674 | 676 | 678 | 674 | 676 | 678 | 675 | 673 | 672 | 677 | 676 | 677 | 677 | 677 | 676 | 681 | 677 | 677 | 675 | 676 | 677 | 674 | 677 | 679 | 677 | 673 | 673 | 677 | 676 | 677 | 678 | 676 | 678 | 677 | 679 | 675 | 673 | 677 | 678 | 553 | | | |
| JMJG | U003 | 671 | 669 | 679 | 672 | 673 | 673 | 672 | 671 | 672 | 670 | 671 | 672 | 674 | 673 | 668 | 672 | 671 | 676 | 672 | 674 | 671 | 672 | 670 | 673 | 677 | 674 | 672 | 673 | 671 | 672 | 668 | 671 | 672 | 671 | 673 | 671 | 671 | 669 | 678 | 672 | 673 | 672 | 672 | 674 | 671 | 672 | 677 | 670 | | | | |
| JMJG | U004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 | 247 | 237 | 222 | 228 | 227 | 297 | 332 | 367 | 389 | 402 | 479 | 522 | 535 | 514 | 593 | 635 | 633 | 634 | 634 | 632 | 638 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| PKLG | U003 | 282 | 285 | 284 | 283 | 280 | 283 | 282 | 285 | 282 | 283 | 282 | 283 | 279 | 281 | 286 | 280 | 274 | 286 | 284 | 284 | 275 | 280 | 286 | 286 | 282 | 280 | 282 | 275 | 284 | 284 | 285 | 288 | 284 | 278 | 272 | 285 | 282 | 278 | 281 | 284 | 282 | 284 | 287 | 281 | 277 | 283 | 281 | 282 | 285 | | | |
| PKLG | U004 | 281 | 279 | 279 | 281 | 281 | 279 | 282 | 279 | 278 | 277 | 281 | 281 | 280 | 280 | 282 | 282 | 281 | 281 | 280 | 280 | 280 | 280 | 279 | 278 | 280 | 280 | 279 | 278 | 279 | 276 | 275 | 275 | 277 | 277 | 281 | 281 | 279 | 280 | 280 | 279 | 279 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | | | |
| PKLG | U005 | 466 | 466 | 468 | 470 | 470 | 470 | 471 | 473 | 470 | 470 | 470 | 470 | 469 | 470 | 470 | 470 | 474 | 470 | 473 | 466 | 469 | 470 | 469 | 470 | 469 | 470 | 467 | 466 | 469 | 470 | 470 | 466 | 466 | 466 | 470 | 470 | 467 | 470 | 470 | 470 | 470 | 470 | 475 | 477 | 469 | 470 | 468 | 470 | | | | |
| PKLG | U006 | 467 | 469 | 468 | 468 | 470 | 470 | 469 | 469 | 467 | 467 | 471 | 471 | 470 | 469 | 468 | 465 | 467 | 471 | 470 | 470 | 469 | 471 | 468 | 471 | 467 | 468 | 473 | 468 | 468 | 470 | 469 | 468 | 472 | 465 | 468 | 466 | 470 | 470 | 473 | 470 | 470 | 467 | 470 | 467 | 470 | 468 | 470 | 468 | 468 | | | |
| TBIN | U001 | 690 | 690 | 689 | 691 | 689 | 690 | 689 | 690 | 689 | 692 | 692 | 691 | 690 | 690 | 692 | 690 | 690 | 691 | 689 | 689 | 691 | 690 | 688 | 691 | 690 | 687 | 690 | 689 | 691 | 688 | 685 | 690 | 688 | 688 | 690 | 690 | 689 | 690 | 689 | 690 | 690 | 689 | 690 | 690 | 688 | 690 | 687 | 690 | 688 | | | |
| TBIN | U002 | 693 | 690 | 692 | 692 | 690 | 691 | 692 | 689 | 693 | 687 | 692 | 692 | 689 | 690 | 689 | 692 | 690 | 692 | 692 | 690 | 691 | 693 | 689 | 690 | 689 | 691 | 690 | 687 | 689 | 689 | 690 | 690 | 689 | 690 | 689 | 690 | 689 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | |
| TBIN | U003 | 693 | 690 | 691 | 693 | 691 | 693 | 691 | 692 | 690 | 690 | 691 | 690 | 692 | 691 | 690 | 692 | 691 | 690 | 689 | 694 | 691 | 693 | 689 | 690 | 692 | 690 | 691 | 690 | 689 | 690 | 690 | 689 | 692 | 690 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 691 | 692 | |
| Total ST-Coal | | 6985 | 6978 | 6991 | 6991 | 6982 | 6987 | 6991 | 6988 | 6979 | 6971 | 6981 | 7004 | 6980 | 6977 | 6979 | 7058 | 7220 | 7235 | 7216 | 7218 | 7216 | 7280 | 7316 | 7361 | 7370 | 7379 | 7464 | 7493 | 7515 | 7495 | 7575 | 7608 | 7607 | 7604 | 7589 | 7608 | 7608 | 6969 | 6984 | 6988 | 6983 | 6973 | 6988 | 6978 | 6966 | 6984 | 6986 | 6981 | | | | |
| 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 | 142 | 142 | 142 | 142 | 142 | 153 | 235 | 157 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 211 | 178 | 143 | 143 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | | | | |
| PKLG | U002 | 282 | 227 | 156 | 146 | 145 | 145 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 223 | 271 | 275 | 279 | 282 | 283 | 282 | 259 | 246 | 255 | 249 | 249 | 249 | 271 | 269 | 269 | 270 | 271 | 269 | 271 | 270 | 270 | 270 | 269 | 269 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | | |
| Total ST-Gas | | 424 | 369 | 298 | 288 | 287 | 298 | 381 | 303 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 365 | 413 | 417 | 421 | 493 | 461 | 425 | 402 | 388 | 397 | 391 | 391 | 391 | 413 | 411 | 411 | 412 | 413 | 411 | 413 | 411 | 413 | 412 | 412 | 412 | 412 | 411 | 411 | 412 | 412 | 412 | 412 | 412 | | | | |
| CBPS | GT1A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 98 | 99 | 97 | 97 | 96 | 95 | 95 | 95 | 93 | 93 | 93 | 92 | 91 | 91 | 91 | 89 | 90 | 89 | 89 | 88 | 89 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 89 | |
| CBPS | GT1B | 88 | 89 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 98 | 98 | 99 | 98 | 98 | 97 | 97 | 96 | 96 | 96 | 96 | 95 | 94 | 94 | 95 | 94 | 92 | 92 | 92 | 92 | 92 | 89 | 88 | 88 | 88 | 89 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | |
| CBPS | ST1C | 38 | 39 | 38 | 38 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 39 | 39 | 38 | 39 | 40 | 93 | 103 | 103 | 103 | 102 | 102 | 102 | 102 | 100 | 100 | 100 | 99 | 98 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 92 | 93 | 92 | 93 | 93 | 92 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
| GLGR | GT01 | 102 | 104 | 103 | 104 | 67 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 105 | 103 | 103 | 102 | 102 | 104 | 103 | 103 | 104 | 104 | 103 | 102 | 104 | 103 | 104 | 104 | 102 | 103 | 103 | 103 | 103 | 104 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | |
| GLGR | GT02 | 104 | 103 | 103 | 104 | 67 | 68 | 68 | 68 | 68 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 104 | 104 | 103 | 104 | 103 | 103 | 104 | 104 | 104 | 103 | 103 | 103 | 104 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 104 | 103 | 104 | 103 | 104 | 104 | 103 | 104 | 104 | 103 | 104 | 104 | | |
| GLGR | ST1C | 94 | 94 | 94 | 94 | 75 | 71 | 71 | 71 | 71 | 70 | 71 | 71 | 71 | 71 | 71 | 92 | 93 | 94 | 94 | 94 | 94 | 95 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | |
| KLPP | GT13 | 119 | 127 | 111 | 114 | 109 | 113 | 109 | 113 | 113 | 112 | 113 | 114 | 116 | 114 | 111 | 121 | 109 | 134 | 138 | 139 | 139 | 140 | 139 | 140 | 139 | 140 | 140 | 141 | 138 | 140 | 140 | 139 | 139 | 138 | 138 | 139 | 140 | 141 | 140 | 140 | 142 | 140 | 140 | 139 | 137 | 138 | 139 | 139 | 139 | | | |
| KLPP | GT14 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 81 | 81 | 153 | 153 | 162 | 162 | 165 | 165 | 160 | 160 | 160 | 160 | 158 | 158 | 157 | 157 | 157 | 157 | 154 | 154 | 154 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | |
| KLPP | GT15 | 137 | 142 | 129 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 128 | 126 | 131 | 132 | 125 | 137 | 126 | 150 | 155 | 155 | 153 | 153 | 157 | 158 | 155 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 153 | 153 | 154 | 154 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | |
| KLPP | ST17 | 187 | 135 | 127 | 124 | 120 | 120 | 120 | 125 | 120 | 124 | 124 | 124 | 120 | 125 | 126 | 127 | 154 | 201 | 200 | 209 | 209 | 209 | 213 | 211 | 211 | 209 | 209 | 211 | 210 | 210 | 209 | 209 | 209 | 210 | 210 | 209 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 | 205 |
| MPSS | GT01 | 102 | 102 | 102 | 103 | 88 | 88 | 88 | 88 | 89 | 88 | 90 | 89 | 85 | 87 | 87 | 89 | 86 | 90 | 86 | 104 | 103 | 102 | 102 | 101 | 100 | 100 | 101 | 102 | 102 | 100 | 100 | 101 | 101 | 101 | 101 | 100 | 102 | 81 | 83 | 100 | 99 | 98 | 98 | 98 | 99 | 99 | 100 | 99 | 100 | 99 | | |
| MPSS | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 108 | 107 | 107 | 107 | 107 | 106 | 106 | 106 | 106 | 107 | 108 | 108 | 106 | 107 | 106 | 106 | 106 | 106 | 106 | 106 | 107 | 84 | 83 | 99 | 98 | 99 | 98 | 99 | 100 | 98 | 100 | 100 | 99 | 100 | 100 | |
| MPSS | ST01 | 50 | 51 | 51 | 51 | 41 | 41 | 40 | 40 | 41 | 41 | 40 | 40 | 38 | 40 | 40</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

