

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 2,973 MW |
| Hydro | 2,111 MW |
| Distillate | 0 MW |
| Total TNB | 5,084 MW |
| Total IPP | 14,900 MW |
| Total Co-Gen | 58 MW |
| Total System | 20,606 MW |

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: | 15:30:00 Hour |
| Total Set On Bus | 18,455 MW |
| TNB Generation | 3,278 MW |
| IPP Generation | 13,837 MW |
| Spinning Reserve | 1,289 MW |
| Maximum Demand | 17,197 MW |
| Net Energy | 356,660 MWH |
| Load Factor | 86.42 % |

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| GLGR | 49 |
| SRDG | 20 |
| TJGS | 206 |
| Total TNB | 275 |
| CBPS | 50 |
| KLPP | 72 |
| MPSS | 43 |
| NPRI | 155 |
| PGLA | 108 |
| PKLG | 3 |
| PLPS | 69 |
| PTEK | 24 |
| SGB3 | 67 |
| SGRI | 145 |
| SKSP | 49 |
| Total IPP | 785 |
| Total Gas | 1,060 |

Alternate Fuel Usage

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

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 37,363 | 10.48 % |
| Hydro | 19,466 | 5.46 % |
| Total TNB | 56,829 | 15.93 % |
| ST-Coal | 193,488 | 54.25 % |
| Gas | 104,545 | 29.31 % |
| Total IPP | 298,033 | 83.56 % |
| Co-Gen | 1,337 | 0.37 % |
| Total Co-Gen | 1,337 | 0.37 % |
| Total Generation | 356,199 | 99.87 % |
| PLTG | 236 | 0.07 % |
| HVDC | -697 | -0.20 % |
| Interconnection | -461 | -0.13 % |
| Net Energy | 356,660 | 100.00 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 57,574,947.30 RM |
| Cost per Unit | 17.10 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 449 |
| Hydro | 326 |
| Syncon | 414 |
| Thermal | 182 |
| Total | 1,371 |

Time Weather Temperature

| | | |
|-----------|-------|----|
| Afternoon | Hot | 35 |
| 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 | 13888 | 13127 | 12741 | 12342 | 12113 | 11809 | 12048 | 12232 | 12798 | 14917 | 15814 | 16643 | 16517 | 16271 | 16665 | 17088 | 17193 | 16811 | 15552 | 15364 | 16441 | 16424 | 15970 | 15551 |

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 | 692 | 693 | 693 | 695 | 694 | 693 | 695 | 692 | 693 | 693 | 691 | 693 | 691 | 706 | 692 | 696 | 695 | 692 | 695 | 694 | 693 | 692 | 694 | 695 | 691 | 695 | 694 | 692 | 694 | 693 | 686 | 695 | 694 | 693 | 691 | 701 | | | | | | | | | | | | | | |
| JMAH | U002 | 693 | 693 | 696 | 694 | 694 | 692 | 695 | 694 | 694 | 695 | 694 | 695 | 694 | 691 | 698 | 692 | 693 | 691 | 694 | 693 | 694 | 694 | 694 | 694 | 698 | 693 | 695 | 694 | 695 | 696 | 694 | 694 | 694 | 693 | 697 | 695 | 694 | 694 | 693 | | | | | | | | | | | |
| JMJG | U001 | 682 | 672 | 678 | 681 | 679 | 678 | 678 | 679 | 677 | 677 | 677 | 678 | 680 | 676 | 680 | 677 | 683 | 675 | 679 | 677 | 674 | 674 | 677 | 679 | 677 | 678 | 678 | 681 | 676 | 678 | 678 | 673 | 674 | 678 | 681 | 679 | 674 | 675 | | | | | | | | | | | | |
| JMJG | U002 | 685 | 679 | 678 | 682 | 681 | 682 | 682 | 680 | 679 | 683 | 681 | 679 | 682 | 679 | 680 | 679 | 678 | 682 | 681 | 682 | 687 | 700 | 681 | 673 | 678 | 680 | 683 | 679 | 693 | 682 | 682 | 681 | 680 | 680 | 680 | 680 | 679 | 679 | 679 | 672 | 683 | 680 | 682 | 677 | 690 | 679 | 685 | | | |
| JMJG | U003 | 666 | 667 | 667 | 669 | 668 | 668 | 670 | 668 | 670 | 668 | 667 | 672 | 667 | 668 | 672 | 671 | 672 | 668 | 676 | 666 | 668 | 678 | 683 | 665 | 663 | 668 | 670 | 675 | 668 | 677 | 670 | 662 | 667 | 673 | 667 | 666 | 668 | 667 | 667 | 667 | 669 | 668 | 666 | 667 | 666 | 678 | 662 | 671 | | |
| JMJG | U004 | 904 | 906 | 873 | 811 | 777 | 753 | 754 | 753 | 751 | 755 | 756 | 754 | 755 | 758 | 756 | 757 | 759 | 821 | 879 | 905 | 950 | 953 | 952 | 953 | 952 | 954 | 954 | 951 | 952 | 952 | 955 | 952 | 956 | 956 | 954 | 954 | 958 | 956 | 953 | 956 | 949 | 954 | 952 | 954 | 953 | 952 | 952 | | | |
| PKLG | U003 | 284 | 282 | 284 | 285 | 285 | 282 | 283 | 282 | 279 | 282 | 280 | 281 | 284 | 281 | 281 | 281 | 281 | 282 | 282 | 282 | 282 | 280 | 281 | 280 | 283 | 280 | 280 | 283 | 272 | 279 | 284 | 283 | 282 | 283 | 280 | 283 | 283 | 283 | 283 | 283 | 283 | 284 | 283 | 281 | 280 | 281 | 280 | | | |
| PKLG | U004 | 280 | 279 | 281 | 281 | 281 | 279 | 278 | 280 | 278 | 280 | 278 | 279 | 279 | 282 | 281 | 280 | 280 | 281 | 281 | 280 | 280 | 279 | 281 | 279 | 277 | 278 | 281 | 281 | 284 | 282 | 280 | 282 | 280 | 282 | 280 | 281 | 282 | 282 | 283 | 282 | 283 | 281 | 278 | 282 | 282 | 281 | 280 | 281 | | |
| PKLG | U005 | 467 | 468 | 469 | 468 | 468 | 470 | 470 | 470 | 470 | 470 | 470 | 470 | 470 | 469 | 469 | 469 | 470 | 468 | 467 | 468 | 467 | 470 | 468 | 467 | 470 | 468 | 464 | 470 | 471 | 469 | 468 | 467 | 468 | 466 | 468 | 469 | 469 | 469 | 469 | 468 | 468 | 470 | 466 | 468 | 470 | 468 | 469 | | | |
| PKLG | U006 | 468 | 468 | 470 | 471 | 470 | 472 | 472 | 468 | 471 | 470 | 471 | 469 | 470 | 472 | 471 | 469 | 473 | 469 | 465 | 476 | 468 | 467 | 470 | 472 | 470 | 471 | 470 | 467 | 471 | 467 | 470 | 470 | 470 | 469 | 471 | 470 | 470 | 470 | 470 | 468 | 471 | 469 | 471 | 465 | 472 | 472 | 469 | 469 | | |
| TBIN | U001 | 690 | 691 | 690 | 691 | 690 | 688 | 687 | 684 | 691 | 683 | 687 | 690 | 691 | 691 | 690 | 690 | 686 | 689 | 690 | 688 | 685 | 686 | 687 | 684 | 686 | 689 | 689 | 687 | 687 | 686 | 689 | 682 | 686 | 683 | 684 | 689 | 688 | 686 | 689 | 690 | 686 | 686 | 688 | 687 | 689 | 689 | 690 | 691 | 691 | |
| TBIN | U003 | 690 | 688 | 693 | 688 | 693 | 691 | 688 | 687 | 692 | 691 | 692 | 692 | 685 | 690 | 692 | 688 | 689 | 693 | 689 | 691 | 693 | 689 | 690 | 691 | 691 | 690 | 691 | 693 | 689 | 695 | 692 | 689 | 696 | 693 | 689 | 691 | 693 | 692 | 690 | 695 | 691 | 691 | 691 | 691 | 694 | 690 | 690 | 688 | 687 | |
| TBIN | U004 | 901 | 900 | 867 | 803 | 754 | 753 | 752 | 753 | 750 | 749 | 750 | 751 | 751 | 753 | 753 | 751 | 752 | 782 | 880 | 902 | 921 | 951 | 952 | 952 | 951 | 951 | 951 | 950 | 952 | 952 | 949 | 951 | 952 | 951 | 952 | 950 | 951 | 951 | 950 | 952 | 953 | 951 | 952 | 953 | 951 | 950 | 953 | 951 | | |
| Total ST-Coal | | 8102 | 8086 | 8039 | 7919 | 7834 | 7801 | 7804 | 7790 | 7797 | 7794 | 7796 | 7802 | 7797 | 7801 | 7816 | 7806 | 7803 | 7833 | 8006 | 8071 | 8116 | 8195 | 8225 | 8183 | 8193 | 8196 | 8200 | 8204 | 8185 | 8222 | 8204 | 8196 | 8191 | 8198 | 8195 | 8187 | 8198 | 8208 | 8199 | 8203 | 8197 | 8187 | 8193 | 8195 | 8201 | 8224 | 8184 | 8205 | | |
| 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 | BLK2 | 359 | 357 | 330 | 211 | 215 | 213 | 214 | 214 | 211 | 215 | 206 | 214 | 212 | 232 | 377 | 372 | 373 | 368 | 365 | 366 | 365 | 365 | 362 | 365 | 364 | 364 | 361 | 357 | 358 | 362 | 354 | 359 | 351 | 364 | 364 | 365 | 365 | 369 | 365 | 372 | 368 | 367 | 371 | 370 | 370 | 370 | | | | |
| GLGR | GT01 | 69 | 68 | 69 | 68 | 69 | 69 | 69 | 69 | 69 | 66 | 66 | 68 | 67 | 69 | 68 | 69 | 98 | 97 | 95 | 95 | 94 | 96 | 96 | 94 | 97 | 94 | 94 | 95 | 95 | 97 | 95 | 96 | 96 | 65 | 67 | 66 | 67 | 67 | 68 | 68 | 67 | 67 | 68 | 69 | 68 | 68 | | | | |
| GLGR | GT02 | 68 | 68 | 68 | 67 | 67 | 68 | 67 | 68 | 68 | 68 | 67 | 68 | 68 | 67 | 68 | 68 | 97 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 95 | 96 | 96 | 96 | 96 | 67 | 66 | 67 | 67 | 68 | 67 | 68 | 67 | 68 | 67 | 68 | 67 | 68 | 69 | 67 | 68 | 69 | 67 | | |
| GLGR | ST1C | 71 | 72 | 71 | 71 | 71 | 72 | 72 | 72 | 71 | 72 | 72 | 71 | 71 | 71 | 88 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 77 | 72 | 72 | 72 | 72 | 71 | 71 | 71 | 72 | 72 | 71 | 71 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | | |
| KLPP | GT13 | 143 | 115 | 70 | 73 | 73 | 73 | 74 | 74 | 69 | 69 | 72 | 69 | 70 | 75 | 140 | 141 | 141 | 141 | 149 | 143 | 145 | 144 | 144 | 143 | 143 | 144 | 144 | 144 | 144 | 143 | 144 | 145 | 128 | 128 | 128 | 128 | 130 | 141 | 140 | 142 | 141 | 142 | 142 | 141 | 141 | 141 | | | | |
| KLPP | GT14 | 155 | 133 | 84 | 86 | 86 | 86 | 86 | 86 | 82 | 81 | 84 | 86 | 80 | 85 | 86 | 87 | 153 | 155 | 154 | 152 | 153 | 155 | 155 | 157 | 155 | 157 | 156 | 156 | 155 | 154 | 156 | 156 | 155 | 155 | 156 | 140 | 141 | 144 | 146 | 160 | 164 | 163 | 163 | 164 | 162 | 162 | 161 | 161 | | |
| KLPP | ST17 | 135 | 127 | 95 | 94 | 94 | 92 | 92 | 91 | 91 | 92 | 95 | 93 | 93 | 93 | 90 | 133 | 133 | 142 | 142 | 143 | 143 | 136 | 136 | 136 | 136 | 136 | 136 | 135 | 135 | 136 | 136 | 138 | 138 | 137 | 129 | 130 | 130 | 131 | 137 | 134 | 134 | 134 | 137 | 137 | 136 | 136 | 136 | | | |
| MPSS | GT01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 76 | 82 | 90 | 105 | 91 | 91 | 86 | 83 | 104 | 103 | 103 | 103 | 103 | 103 | 103 | 102 | 101 | 101 | 101 | 101 | 102 | 103 | 103 | 103 | 103 | 66 | 68 | 68 | 67 | 101 | 98 | 100 | 98 | 99 | 101 | 101 | 94 | 94 | | | |
| MPSS | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 61 | 105 | 105 | 105 | 105 | 105 | 105 | 104 | 105 | 105 | 104 | 105 | 104 | 105 | 104 | 105 | 104 | 104 | 104 | 105 | 71 | 68 | 70 | 70 | 100 | 100 | 100 | 99 | 101 | 99 | 102 | 92 | 92 | | |
| MPSS | ST01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 41 | 41 | 41 | 41 | 32 | 106 | 110 | 111 | 111 | 111 | 111 | 112 | 112 | 111 | 111 | 111 | 112 | 112 | 112 | 113 | 113 | 78 | 68 | 66 | 67 | 103 | 105 | 104 | 105 | 105 | 105 | 104 | 103 | 103 | | |
| NPRI | BLK1 | 493 | 504 | 462 | 525 | 524 | 530 | 436 | 449 | 326 | 407 | 329 | 383 | 434 | 523 | 376 | 528 | 519 | 511 | 508 | 515 | 513 | 529 | 514 | 503 | 508 | 509 | 508 | 506 | 516 | 514 | 509 | 507 | 505 | 508 | 505 | 506 | 509 | 508 | 508 | 511 | 513 | 508 | 508 | 517 | 506 | 525 | 525 | | | |
| NPRI | BLK2 | 496 | 507 | 468 | 518 | 518 | 519 | 524 | 499 | 518 | 474 | 450 | 458 | 435 | 439 | 518 | 452 | 522 | 514 | 517 | 511 | 518 | 517 | 531 | 518 | 507 | 511 | 514 | 511 | 510 | 518 | 516 | 517 | 512 | 511 | 509 | 511 | 510 | 509 | 512 | 511 | 513 | 515 | 518 | 512 | 510 | 521 | 511 | 522 | | |
| PGLA | GT11 | 176 | 153 | 152 | 157 | 153 | 151 | 157 | 158 | 162 | 151 | 149 | 152 | 152 | 149 | 152 | 151 | 171 | 192 | 192 | 218 | 218 | 220 | 221 | 218 | 217 | 217 | 216 | 222 | 219 | 221 | 219 | 221 | 225 | 227 | 229 | 227 | 228 | 230 | 231 | 230 | 232 | 231 | 233 | 233 | 233 | 235 | 173 | 173 | | |
| PGLA | GT12 | 175 | 153 | 152 | 157 | 153 | 151 | 156 | 157 | 162 | 151 | 148 | 151 | 153 | 150 | 152 | 151 | 170 | 192 | 192 | 219 | 218 | 218 | 217 | 220 | 216 | 218 | 218 | 218 | 221 | 220 | 220 | 223 | 223 | 225 | 224 | 224 | 223 | 223 | 224 | 225 | 225 | 225 | 225 | 225 | 226 | 226 | 228 | 229 | 173 | 173 |
| PGLA | ST10 | 221 | 196 | 196 | 199 | 196 | 200 | 195 | 195 | 197 | 197 | 197 | 197 | 195 | 197 | 197 | 199 | 223 | 211 | 243 | 243 | 248 | 248 | 244 | 244 | 243 | 244 | 246 | 242 | 248 | 248 | 246 | 251 | 251 | 251 | 251 | 251 | 250 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 254 | 210 | 210 | | |
| PLPS | GT11 | 111 | 66 | 66 | 69 | 66 | 66 | 69 | 66 | 69 | 67 | 62 | 66 | 66 | 65 | 69 | 65 | 70 | 112 | 147 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

