

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 3,289 MW |
| Hydro | 2,384 MW |
| Distillate | 0 MW |
| Total TNB | 5,673 MW |
| Total IPP | 14,365 MW |
| Total Co-Gen | 60 MW |
| Total System | 20,380 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 35,317 | 11.00 % |
| Hydro | 18,350 | 5.72 % |
| Total TNB | 53,667 | 16.72 % |
| ST-Coal | 163,983 | 51.10 % |
| Gas | 102,650 | 31.98 % |
| Total IPP | 266,633 | 83.08 % |
| Co-Gen | 1,200 | 0.37 % |
| Total Co-Gen | 1,200 | 0.37 % |
| Total Generation | 321,500 | 100.18 % |
| PLTG | -160 | -0.05 % |
| HVDC | 727 | 0.23 % |
| Interconnection | 567 | 0.18 % |
| Net Energy | 320,933 | 100.00 % |

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 | 16,426 MW |
| TNB Generation | 2,984 MW |
| IPP Generation | 11,931 MW |
| Spinning Reserve | 1,461 MW |
| Maximum Demand | 14,995 MW |
| Net Energy | 320,933 MWH |
| Load Factor | 89.18 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 51,142,655.05 RM |
| Cost per Unit | 16.87 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 341 |
| Hydro | 222 |
| Syncon | 941 |
| Thermal | 169 |
| Total | 1,673 |

Time Weather Temperature

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

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| CBPS | 48 |
| GLGR | 55 |
| PGPS | 42 |
| SRDG | 15 |
| TJGS | 112 |
| Total TNB | 272 |
| CBPS | 57 |
| KLPP | 110 |
| MPSS | 49 |
| NPRI | 158 |
| PGLA | 107 |
| PKLG | 3 |
| PLPS | 80 |
| PTEK | 16 |
| SGRI | 178 |
| Total IPP | 757 |
| Total Gas | 1,029 |

Total Gas Required 1,029

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 | 12787 | 12129 | 11729 | 11431 | 11226 | 11045 | 11364 | 11534 | 11972 | 13362 | 14088 | 14705 | 14580 | 14330 | 14789 | 14974 | 14934 | 14681 | 13823 | 13654 | 14711 | 14629 | 14151 | 13758 |

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|
| Total Gen | | 12717 | 12406 | 12122 | 11941 | 11680 | 11603 | 11416 | 11358 | 11269 | 11217 | 11078 | 11256 | 11380 | 11571 | 11562 | 11777 | 11993 | 12896 | 13335 | 13795 | 14081 | 14426 | 14644 | 14802 | 14611 | 14460 | 14373 | 14533 | 14781 | 14971 | 14971 | 14965 | 14957 | 14927 | 14736 | 14180 | 13842 | 13589 | 13702 | 14424 | 14760 | 14739 | 14689 | 14536 | 14242 | 14023 | 13849 | 13489 | | | |
| TIE-EGAT | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TIE-HVDC | | 30 | 30 | 30 | 30 | 29 | 30 | 32 | 32 | 30 | 29 | 31 | 29 | 31 | 31 | 29 | 29 | 30 | 29 | 31 | 31 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 31 | 31 | 30 | 30 | 31 | 31 | 31 | 31 | 31 |
| TIE-PLTG | | -100 | -53 | -37 | -48 | -78 | -23 | -46 | 26 | 13 | 18 | 2 | 19 | -15 | 23 | -2 | 20 | -9 | 126 | -57 | -30 | -38 | -50 | -91 | -39 | 1 | 16 | 13 | -43 | -38 | -22 | -32 | -60 | -7 | 42 | 24 | 48 | 48 | -12 | 7 | 17 | -54 | 18 | 34 | 31 | 17 | 60 | 17 | 60 | 12 | | |
| Interconnection | | -70 | -22 | -7 | -18 | -49 | 8 | -15 | 57 | 43 | 47 | 33 | 48 | 16 | 54 | 28 | 49 | 21 | 156 | -27 | 0 | -7 | -20 | -61 | -7 | 31 | 46 | 43 | -13 | -8 | 8 | -3 | -30 | 23 | 72 | 55 | 78 | 19 | 38 | 48 | -24 | 49 | 65 | 60 | 47 | 91 | 48 | 91 | 43 | | | |
| System Total | | 12787 | 12428 | 12129 | 11959 | 11729 | 11595 | 11431 | 11301 | 11226 | 11170 | 11045 | 11208 | 11364 | 11517 | 11534 | 11728 | 11972 | 12740 | 13362 | 13795 | 14088 | 14446 | 14705 | 14809 | 14580 | 14414 | 14330 | 14546 | 14789 | 14963 | 14974 | 14995 | 14934 | 14855 | 14681 | 14102 | 13823 | 13551 | 13654 | 14448 | 14711 | 14674 | 14629 | 14489 | 14151 | 13975 | 13758 | 13446 | | | |
| SRev ST-Coal | | 525 | 534 | 669 | 681 | 772 | 786 | 778 | 784 | 785 | 775 | 780 | 795 | 777 | 761 | 778 | 778 | 779 | 612 | 294 | 166 | 120 | 154 | 149 | 177 | 190 | 181 | 181 | 180 | 169 | 191 | 188 | 181 | 182 | 178 | 179 | 174 | 140 | 174 | 128 | 147 | 217 | 161 | 94 | 97 | 140 | 60 | 189 | 176 | | | |
| SRev OCGT-Gas | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 0 | 19 | -1 | 0 | 1 | 69 | 37 | 28 | 1 | 80 | 21 | 70 | 70 | 67 | 70 | 68 | 146 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SRev CCGT-Gas | | 243 | 518 | 511 | 505 | 429 | 416 | 548 | 552 | 542 | 603 | 733 | 542 | 449 | 287 | 466 | 693 | 775 | 443 | 846 | 537 | 415 | 327 | 245 | 199 | 348 | 389 | 279 | 156 | 175 | 275 | 258 | 271 | 285 | 313 | 354 | 277 | 354 | 646 | 580 | 94 | 108 | 176 | 201 | 180 | 342 | 479 | 463 | 540 | | | |
| SRev 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 | |
| SRev Co-Gen | | 9 | 9 | 10 | 10 | 10 | 11 | 9 | 12 | 9 | 11 | 11 | 10 | 11 | 9 | 10 | 8 | 10 | 11 | 9 | 9 | 12 | 10 | 10 | 12 | 10 | 10 | 13 | 11 | 8 | 10 | 10 | 10 | 9 | 12 | 11 | 12 | 8 | 8 | 10 | 8 | 9 | 11 | 9 | 10 | 11 | 10 | 9 | 8 | | | |
| Syncon | | 1252 | 1252 | 1252 | 1101 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 1252 | 173 | 673 | 1126 | 1126 | 1126 | 1126 | 1252 | 1252 | 950 | 824 | 824 | 950 | 673 | 673 | 673 | 673 | 673 | 824 | 975 | 1126 | 1126 | 1126 | 1126 | 824 | 950 | 950 | 1101 | 1252 | 1252 | 1252 | 1252 | | | |
| Hydro | | 44 | 45 | 44 | 173 | 45 | 43 | 55 | 56 | 57 | 56 | 61 | 60 | 50 | 40 | 47 | 64 | 63 | 463 | 430 | 114 | 100 | 124 | 228 | 194 | 202 | 193 | 288 | 281 | 279 | 285 | 256 | 256 | 253 | 253 | 254 | 189 | 171 | 68 | 65 | 272 | 193 | 199 | 293 | 212 | 99 | 95 | 105 | 106 | | | |
| S.Reserve Total | | 2073 | 2358 | 2486 | 2470 | 2508 | 2508 | 2642 | 2656 | 2645 | 2697 | 2837 | 2659 | 2539 | 2349 | 2553 | 2795 | 2879 | 1702 | 2345 | 1952 | 1792 | 1740 | 1758 | 1835 | 2071 | 1760 | 1613 | 1453 | 1661 | 1455 | 1455 | 1461 | 1469 | 1499 | 1690 | 1773 | 1877 | 2022 | 1909 | 1647 | 1351 | 1497 | 1547 | 1600 | 1844 | 1896 | 2018 | 2082 | | | |