

Availability at Daily Maximum Demand Hour

| | |
|--------------|-----------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 2,516 MW |
| Hydro | 2,150 MW |
| Distillate | 0 MW |
| Total TNB | 4,666 MW |
| Total IPP | 15,349 MW |
| Total Co-Gen | 60 MW |
| Total System | 20,639 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 39,289 | 11.09 % |
| Hydro | 17,155 | 4.84 % |
| Total TNB | 56,444 | 15.93 % |
| ST-Coal | 210,166 | 59.32 % |
| Gas | 86,112 | 24.31 % |
| Total IPP | 296,278 | 83.63 % |
| Co-Gen | 1,409 | 0.40 % |
| Total Co-Gen | 1,409 | 0.40 % |
| Total Generation | 354,131 | 99.96 % |
| PLTG | 553 | 0.16 % |
| HVDC | -696 | -0.20 % |
| Interconnection | -143 | -0.04 % |
| Net Energy | 354,274 | 100.00 % |

Maximum Demand Record

| | |
|------------------|-------------|
| Date: 10/23/2017 | 17,790 MW |
| Date: 4/20/2016 | 372,457 MWH |

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 14:30:00 Hour |
| Total Set On Bus | 18,000 MW |
| TNB Generation | 2,995 MW |
| IPP Generation | 13,717 MW |
| Spinning Reserve | 1,233 MW |
| Maximum Demand | 16,741 MW |
| Net Energy | 354,274 MWH |
| Load Factor | 88.18 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 59,431,265.73 RM |
| Cost per Unit | 17.64 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 458 |
| Hydro | 318 |
| Syncon | 654 |
| Thermal | 115 |
| Total | 1,545 |

Time Weather Temperature

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Rainy | 34 |
| Morning | Cloudy | 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 | 14202 | 13281 | 12964 | 12650 | 12227 | 12262 | 12827 | 12723 | 12947 | 14727 | 15595 | 16195 | 16225 | 15967 | 16502 | 16603 | 16620 | 16227 | 15168 | 15697 | 16215 | 15928 | 15351 | 14803 |

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| GLGR | 52 |
| TJGS | 222 |
| Total TNB | 275 |

| | |
|------------------|------------|
| CBPS | 53 |
| KLPP | 96 |
| NPRI | 74 |
| PLPS | 86 |
| PTEK | 2 |
| SGB3 | 81 |
| SGRI | 70 |
| SKSP | 48 |
| YPKA | 80 |
| Total IPP | 591 |
| Total Gas | 866 |

Total Gas Required 866

Alternate Fuel Usage

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

Daily MW Generation on Thursday

Table with 24 columns (Station, Unit, 0000-2300) and multiple rows for various power units (YPKA, PTEK, Total OCGT-Gas, Total Hydro, Total Distillate, PCUF, Total Co-Gen, Total Gen).

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 | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---|
| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
| TIE-HVDC | | -28 | -30 | -30 | -31 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -30 | -30 | -29 | -29 | -29 | -29 | -28 | -28 | -28 | -29 | -29 | -30 | -30 | -29 | -29 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -30 | | | | | | | | | | | | | | |
| TIE-PLTC | | 16 | -41 | 4 | 46 | -38 | -18 | -9 | 23 | 111 | 132 | 67 | 89 | 4 | 4 | 4 | 4 | 29 | 35 | 31 | 4 | 1 | -6 | 26 | -8 | 30 | 20 | 2 | -42 | -37 | 54 | 45 | 21 | 24 | 22 | 18 | 68 | 113 | 19 | 21 | 47 | -32 | 100 | 32 | 10 | 40 | -1 | 40 | -20 | |
| Interconnection | | -12 | -71 | -25 | 15 | -66 | -47 | -38 | -7 | 81 | 103 | 38 | 60 | -25 | -24 | -24 | -24 | 0 | 5 | 1 | -25 | -29 | -34 | -2 | -37 | 1 | -10 | -28 | -72 | -66 | 26 | 16 | -7 | -4 | -6 | -10 | 39 | 84 | -10 | -9 | 18 | -61 | 72 | 4 | -18 | 11 | -30 | 11 | -50 | |
| System Total | | 14202 | 13551 | 13281 | 13183 | 12964 | 12818 | 12650 | 12483 | 12227 | 12171 | 12262 | 12293 | 12827 | 12998 | 12723 | 12715 | 12947 | 13863 | 14727 | 15209 | 15595 | 16078 | 16195 | 16522 | 16225 | 16069 | 15967 | 16174 | 16502 | 16741 | 16603 | 16669 | 16620 | 16489 | 16227 | 15671 | 15168 | 15090 | 15697 | 16259 | 16215 | 15951 | 15928 | 15714 | 15351 | 15203 | 14803 | 14468 | |
| SRev ST-Coal | | 352 | 361 | 379 | 380 | 356 | 367 | 367 | 365 | 415 | 404 | 397 | 371 | 355 | 360 | 375 | 361 | 372 | 382 | 275 | 89 | 71 | 63 | 82 | 76 | 75 | 83 | 80 | 77 | 73 | 77 | 129 | 126 | 128 | 119 | 129 | 122 | 129 | 116 | 111 | 98 | 149 | 136 | 109 | 148 | 140 | 135 | 144 | 155 | |
| SRev OCGT-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 | -5 | -2 | -1 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRev CCGT-Gas | | 472 | 957 | 1027 | 1103 | 1231 | 1230 | 1383 | 1468 | 1570 | 1602 | 1584 | 1539 | 1214 | 1041 | 1287 | 1267 | 1324 | 1077 | 958 | 864 | 662 | 398 | 450 | 350 | 486 | 491 | 616 | 491 | 303 | 340 | 429 | 390 | 279 | 333 | 516 | 731 | 719 | 956 | 382 | 137 | 275 | 398 | 308 | 414 | 495 | 560 | 645 | 461 | |
| 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 |
| SRev Co-Cen | | 5 | 1 | 2 | 3 | 1 | 2 | 0 | 2 | -2 | 0 | 0 | 1 | 2 | -1 | -1 | -1 | -1 | 0 | 1 | 1 | 1 | 2 | 5 | 2 | 2 | 5 | 3 | 4 | 3 | 5 | 3 | 2 | 5 | 5 | 4 | 3 | 3 | 4 | -1 | -1 | -2 | -2 | -1 | -3 | 0 | -1 | -3 | -1 | |
| Syncon | | 1016 | 1203 | 1203 | 1052 | 1203 | 1203 | 1203 | 1052 | 1052 | 1203 | 1203 | 1052 | 1203 | 1102 | 1102 | 800 | 1102 | 1102 | 741 | 615 | 464 | 741 | 928 | 928 | 626 | 741 | 464 | 464 | 464 | 464 | 550 | 634 | 785 | 724 | 724 | 447 | 363 | 363 | 550 | 598 | 785 | 785 | 634 | 634 | 634 | | | | |
| Hydro | | 161 | 86 | 77 | 210 | 103 | 77 | 82 | 142 | 310 | 321 | 324 | 185 | 77 | 75 | 242 | 131 | 74 | 122 | 333 | 116 | 73 | 277 | 340 | 490 | 362 | 326 | 326 | 592 | 336 | 352 | 358 | 357 | 429 | 402 | 305 | 255 | 99 | 96 | 224 | 450 | 511 | 531 | 191 | 97 | 199 | 356 | 429 | 267 | |
| S.Reserve Total | | 2006 | 2508 | 2688 | 2748 | 2894 | 2879 | 3035 | 3180 | 3345 | 3379 | 3357 | 3299 | 2851 | 2678 | 2955 | 2961 | 2871 | 2583 | 2367 | 2172 | 1909 | 1481 | 1492 | 1382 | 1666 | 1833 | 1953 | 1790 | 1456 | 1233 | 1381 | 1338 | 1384 | 1409 | 1588 | 1896 | 1674 | 1896 | 1163 | 1047 | 1296 | 1613 | 1205 | 1441 | 1619 | 1684 | 1849 | 1516 | |