

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 2,094 MW |
| Hydro | 2,222 MW |
| Distillate | 0 MW |
| Total TNB | 4,316 MW |
| Total IPP | 17,192 MW |
| Total Co-Gen | 29 MW |
| Total System | 22,109 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 24,056 | 6.61 % |
| Hydro | 9,556 | 2.63 % |
| Total TNB | 33,612 | 9.24 % |
| ST-Coal | 229,889 | 63.17 % |
| Gas | 100,140 | 27.52 % |
| Total IPP | 330,029 | 90.69 % |
| Co-Gen | 1,041 | 0.29 % |
| Total Co-Gen | 1,041 | 0.29 % |
| Total Generation | 364,682 | 100.21 % |
| PLTG | 31 | 0.01 % |
| HVDC | 724 | 0.20 % |
| Interconnection | 755 | 0.21 % |
| Net Energy | 363,927 | 100.00 % |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 4/12/2018 | 17,997 MW |
| Date: 4/12/2018 | 380,797 MWH |

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:00:00 Hour |
| Total Set On Bus | 18,560 MW |
| TNB Generation | 2,083 MW |
| IPP Generation | 15,065 MW |
| Spinning Reserve | 1,375 MW |
| Maximum Demand | 17,145 MW |
| Net Energy | 363,927 MWH |
| Load Factor | 88.44 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 62,368,360.77 RM |
| Cost per Unit | 17.56 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 337 |
| Hydro | 471 |
| Syncon | 598 |
| Thermal | 187 |
| Total | 1,593 |

Time Weather Temperature

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

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| GLGR | 52 |
| SRDG | 24 |
| TJGS | 107 |
| Total TNB | 183 |
| CBPS | 55 |
| KLPP | 70 |
| NPRI | 56 |
| PGLA | 110 |
| PLPS | 95 |
| PTEK | 24 |
| SGRI | 144 |
| SKSP | 53 |
| YPKA | 76 |
| Total IPP | 681 |
| Total Gas | 864 |

Alternate Fuel Usage

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

Total Gas Required 864

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 | 14948 | 14089 | 13758 | 13295 | 12961 | 13015 | 13020 | 12829 | 13364 | 14923 | 15734 | 16327 | 16347 | 16104 | 16415 | 16999 | 17145 | 16531 | 15720 | 15550 | 16153 | 16249 | 16081 | 15632 |

Daily MW Generation on Friday

| 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-HVDC | | 29 | 30 | 30 | 30 | 31 | 29 | 29 | 30 | 31 | 31 | 31 | 29 | 29 | 31 | 31 | 29 | 29 | 29 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | | | | | | | | | | | | |
| TIE-PLTG | | -43 | -79 | -20 | -48 | -67 | -22 | -42 | -13 | 13 | -23 | -15 | -54 | 36 | 15 | 25 | 33 | -3 | -11 | 39 | -7 | -1 | -6 | 16 | -21 | 14 | -8 | -1 | 2 | 3 | 32 | 1 | 6 | 9 | 42 | -6 | -18 | 55 | -37 | 21 | 12 | 17 | 3 | 28 | 29 | 46 | 36 | 34 | 37 |
| Interconnection | | -13 | -49 | 10 | -18 | -37 | 8 | -12 | 16 | 42 | 7 | 16 | -23 | 67 | 45 | 55 | 63 | 27 | 20 | 70 | 23 | 30 | 24 | 45 | 10 | 44 | 21 | 28 | 31 | 32 | 63 | 31 | 37 | 40 | 73 | 24 | 12 | 86 | -7 | 51 | 42 | 46 | 33 | 58 | 60 | 76 | 67 | 65 | 68 |
| System Total | | 14948 | 14406 | 14089 | 13935 | 13758 | 13518 | 13295 | 13094 | 12961 | 13120 | 13015 | 13101 | 13020 | 13156 | 12829 | 12763 | 13364 | 14276 | 14923 | 15411 | 15734 | 16175 | 16327 | 16546 | 16347 | 16162 | 16104 | 16138 | 16415 | 16848 | 16999 | 17139 | 17145 | 16919 | 16531 | 16128 | 15720 | 15688 | 15550 | 15792 | 16153 | 16422 | 16249 | 16289 | 16081 | 15852 | 15632 | 15531 |
| SRev ST-Coal | | 214 | 285 | 359 | 369 | 475 | 490 | 499 | 494 | 501 | 478 | 492 | 485 | 490 | 485 | 275 | 260 | 102 | 385 | 345 | 193 | 179 | 180 | 148 | 157 | 171 | 204 | 186 | 179 | 192 | 108 | 178 | 201 | 189 | 186 | 196 | 182 | 194 | 179 | 183 | 170 | 184 | 175 | 195 | 181 | 198 | 166 | 158 | 152 |
| 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 | 85 | 5 | 5 | 91 | 20 | 13 | 10 | 12 | 91 | 91 | 246 | 230 | 230 | 152 | 25 | -3 | 1 | 5 | 6 | 1 | 86 | 0 |
| SRev CCGT-Gas | | 691 | 1001 | 1023 | 1201 | 1040 | 1043 | 1294 | 1451 | 1551 | 1381 | 1447 | 1416 | 1410 | 1294 | 1526 | 1713 | 1439 | 926 | 666 | 566 | 422 | 303 | 333 | 284 | 428 | 281 | 405 | 470 | 364 | 254 | 315 | 242 | 246 | 348 | 449 | 223 | 271 | 320 | 396 | 253 | 172 | 106 | 265 | 128 | 236 | 265 | 232 | 258 |
| 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 |
| SRev Co-Gen | | -15 | -15 | -14 | -17 | -13 | -15 | -15 | -16 | -15 | -16 | -17 | -15 | -15 | -15 | -16 | -14 | -15 | -15 | -15 | -12 | -12 | -12 | -10 | -14 | -11 | -9 | -11 | -10 | -8 | -7 | -7 | -7 | -8 | -8 | -9 | -10 | -11 | -11 | -12 | -10 | -14 | -13 | -19 | -17 | -27 | -34 | -34 | -35 |
| Syncon | | 1223 | 1223 | 1223 | 1223 | 1223 | 1072 | 1223 | 1223 | 1223 | 1223 | 1223 | 1072 | 1072 | 1224 | 1223 | 1223 | 1223 | 1223 | 971 | 921 | 921 | 734 | 633 | 482 | 482 | 820 | 820 | 1072 | 885 | 650 | 313 | 313 | 313 | 313 | 126 | 500 | 837 | 837 | 837 | 837 | 736 | 549 | 549 | 650 | 837 | 837 | 837 | 686 |
| Hydro | | 104 | 103 | 96 | 95 | 100 | 97 | 234 | 109 | 107 | 109 | 107 | 92 | 240 | 239 | 99 | 99 | 71 | 104 | 274 | 374 | 282 | 430 | 358 | 454 | 478 | 310 | 499 | 331 | 331 | 374 | 711 | 622 | 625 | 717 | 616 | 648 | 431 | 429 | 430 | 429 | 363 | 496 | 517 | 519 | 408 | 412 | 466 | 538 |
| S.Reserve Total | | 2217 | 2597 | 2687 | 2871 | 2825 | 2838 | 3084 | 3261 | 3367 | 3175 | 3252 | 3201 | 3197 | 3075 | 3108 | 3281 | 2820 | 2623 | 2241 | 2042 | 1792 | 1635 | 1462 | 1363 | 1548 | 1606 | 1984 | 2047 | 1769 | 1470 | 1530 | 1384 | 1375 | 1568 | 1469 | 1634 | 1968 | 1984 | 2064 | 1831 | 1466 | 1310 | 1508 | 1466 | 1658 | 1647 | 1745 | 1599 |