

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Hydro | 2,437 MW |
| Distillate | 0 MW |
| Total TNB | 2,437 MW |
| Total IPP | 16,970 MW |
| Total Co-Gen | 0 MW |
| Total System | 22,833 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Hydro | 9,675 | 2.89 % |
| Gas | 42,107 | 12.56 % |
| Total TNB | 51,782 | 15.45 % |
| ST-Coal | 196,102 | 58.52 % |
| LSS | 3,370 | 1.01 % |
| Gas | 85,404 | 25.48 % |
| Total IPP | 284,876 | 85.01 % |
| Co-Gen | -911 | -0.27 % |
| Total Co-Gen | -911 | -0.27 % |
| Total Generation | 335,747 | 100.19 % |
| PLTG | -98 | -0.03 % |
| HVDC | 721 | 0.22 % |
| Interconnection | 623 | 0.19 % |
| Net Energy | 335,124 | 100.00 % |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 5/11/2023 | 19,716 MW |
| Date: 5/11/2023 | 416,902 MWH |

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 20:30:00 Hour |
| Total Set On Bus | 17,064 MW |
| TNB Generation | 3,384 MW |
| IPP Generation | 12,627 MW |
| Spinning Reserve | 1,087 MW |
| Maximum Demand | 15,977 MW |
| Net Energy | 335,124 MWH |
| Load Factor | 87.40 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 80,197,936.01 RM |
| Cost per Unit | 23.72 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 1,035 |
| Hydro | 348 |
| Syncon | 880 |
| Thermal | 367 |
| Total | 2,630 |

Time Weather Temperature

| | | |
|-----------|-------|----|
| Afternoon | Hot | 33 |
| 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 | 15174 | 14560 | 13946 | 13508 | 13128 | 12969 | 12939 | 12585 | 12046 | 12605 | 13206 | 13520 | 13389 | 13363 | 13737 | 13964 | 14116 | 14077 | 14193 | 15280 | 15855 | 15825 | 15600 | 15363 |

Gas Usage

| Station | (mmscfd) |
|---------------------------|------------|
| GLGR | 29 |
| TJGS | 90 |
| Total TNB | 120 |
| CBPS | 43 |
| EMPP | 276 |
| KLPP | 2 |
| NPRI | 153 |
| PCGP | 74 |
| SPGP | 167 |
| Total IPP | 714 |
| Total Gas | 834 |
| Total Gas Required | 834 |

Alternate Fuel Usage

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

Daily MW Generation on Sunday

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---|---|
| PFTZ | PFTZ | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | | | | | | | | | | | |
| Total Co-Gen | | -61 | -54 | -64 | -51 | -54 | -61 | -58 | -54 | -50 | -38 | -23 | -20 | -25 | -24 | -25 | -22 | -20 | -29 | -28 | -25 | -33 | -30 | -31 | -37 | -39 | -39 | -43 | -44 | -42 | -45 | -44 | -42 | -40 | -47 | -39 | -39 | -38 | -36 | -38 | -33 | -39 | -34 | -30 | -30 | -32 | -34 | -29 | -29 | | | |
| Total Gen | | 15207 | 14917 | 14620 | 14307 | 13967 | 13688 | 13526 | 13391 | 13151 | 13043 | 12989 | 12890 | 12971 | 13007 | 12617 | 12179 | 12070 | 12389 | 12649 | 12877 | 13247 | 13497 | 13533 | 13477 | 13426 | 13389 | 13407 | 13618 | 13759 | 13863 | 13965 | 14045 | 14087 | 14129 | 14092 | 14246 | 14226 | 14362 | 15312 | 15834 | 15873 | 15977 | 15858 | 15865 | 15623 | 15520 | 15393 | 15117 | | | |
| 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 | | |
| TIE-HVDC | | 31 | 29 | 31 | 29 | 31 | 29 | 29 | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 31 | 31 | 30 | 31 | 31 | 31 | 31 | 30 | 30 | 28 | 29 | 31 | 29 | 31 | | | |
| TIE-PLTG | | 2 | 21 | 29 | 17 | -9 | 13 | -11 | 14 | -8 | -12 | -10 | -3 | 2 | -3 | 3 | -8 | -7 | 31 | 13 | -5 | 10 | -5 | -17 | -4 | 7 | 29 | 14 | 16 | -7 | -1 | -28 | -28 | -60 | -47 | -13 | -9 | 2 | -11 | 1 | -8 | -13 | -30 | 4 | -28 | -6 | -25 | 2 | -11 | | | |
| Interconnection | | 33 | 50 | 60 | 45 | 21 | 42 | 18 | 45 | 23 | 19 | 20 | 28 | 32 | 27 | 32 | 23 | 24 | 62 | 44 | 26 | 41 | 24 | 13 | 25 | 37 | 59 | 44 | 45 | 22 | 29 | 1 | 2 | -29 | -18 | 15 | 21 | 33 | 19 | 32 | 24 | 18 | 0 | 33 | 1 | 23 | 5 | 30 | 20 | | | |
| System Total | | 15174 | 14867 | 14560 | 14262 | 13946 | 13646 | 13508 | 13346 | 13128 | 13024 | 12969 | 12862 | 12939 | 12980 | 12585 | 12156 | 12046 | 12327 | 12605 | 12851 | 13206 | 13473 | 13520 | 13452 | 13389 | 13330 | 13363 | 13573 | 13737 | 13834 | 13964 | 14043 | 14116 | 14147 | 14077 | 14225 | 14193 | 14343 | 15280 | 15810 | 15855 | 15977 | 15825 | 15864 | 15600 | 15515 | 15363 | 15097 | | | |
| SRev ST-Coal | | 164 | 178 | 169 | 169 | 372 | 373 | 374 | 406 | 416 | 406 | 411 | 420 | 409 | 445 | 417 | 531 | 490 | 494 | 477 | 494 | 471 | 489 | 473 | 489 | 492 | 487 | 498 | 484 | 495 | 486 | 522 | 472 | 469 | 472 | 449 | 365 | 338 | 284 | 121 | 104 | 102 | 96 | 112 | 124 | 84 | 92 | 189 | 129 | | | |
| SRev CCGT-Gas | | 578 | 635 | 933 | 1257 | 1399 | 1663 | 1820 | 1693 | 1919 | 2045 | 2111 | 2203 | 2143 | 2077 | 2489 | 2559 | 2548 | 2179 | 1991 | 1904 | 1567 | 1404 | 1515 | 1600 | 1713 | 1823 | 1755 | 1489 | 1282 | 1220 | 1103 | 1023 | 1030 | 936 | 962 | 946 | 950 | 847 | 230 | 191 | 230 | 175 | 227 | 118 | 264 | 195 | 278 | 485 | | | |
| 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 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 | 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 | | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 1 | -1 | 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 | |
| Syncon | | 840 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 991 | 991 | 991 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 991 | 991 | 991 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 1142 | 890 | 426 | 426 | 275 | 426 | 426 | 426 | 613 | 739 | 739 | | |
| Hydro | | 384 | 108 | 106 | 108 | 97 | 107 | 109 | 97 | 105 | 105 | 107 | 107 | 237 | 230 | 240 | 149 | 152 | 150 | 150 | 147 | 151 | 149 | 150 | 149 | 147 | 280 | 275 | 275 | 148 | 151 | 153 | 139 | 116 | 109 | 109 | 107 | 149 | 113 | 285 | 313 | 341 | 454 | 369 | 459 | 578 | 403 | 254 | 333 | | | |
| S.Reserve Total | | 2052 | 2150 | 2437 | 2763 | 3097 | 3372 | 3532 | 3425 | 3668 | 3786 | 3857 | 3959 | 3867 | 3830 | 4224 | 4468 | 4418 | 4052 | 3847 | 3774 | 3418 | 3271 | 3367 | 3469 | 3581 | 3668 | 3606 | 3326 | 3153 | 3086 | 3006 | 2863 | 2844 | 2746 | 2749 | 2647 | 2666 | 2474 | 1615 | 1121 | 1187 | 1087 | 1221 | 1214 | 1439 | 1390 | 1548 | 1773 | | | |