

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Gas | 2,791 MW |
| Hydro | 2,205 MW |
| Distillate | 0 MW |
| Total TNB | 4,996 MW |
| Total IPP | 15,252 MW |
| Total Co-Gen | 65 MW |
| Total System | 20,885 MW |

Maximum Demand Record

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

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| CBPS | 48 |
| GLGR | 52 |
| PGPS | 49 |
| SRDG | 23 |
| TJGS | 192 |
| Total TNB | 364 |

Alternate Fuel Usage

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

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:00:00 Hour |
| Total Set On Bus | 17,961 MW |
| TNB Generation | 3,623 MW |
| IPP Generation | 13,094 MW |
| Spinning Reserve | 1,189 MW |
| Maximum Demand | 16,788 MW |
| Net Energy | 353,761 MWH |
| Load Factor | 87.80 % |

| | |
|------------------|--------------|
| CBPS | 55 |
| KLPP | 98 |
| MPSS | 50 |
| NPRI | 79 |
| PDPS | 8 |
| PGLA | 112 |
| PKLG | 8 |
| PLPS | 93 |
| PTEK | 19 |
| SGB3 | 7 |
| SGRI | 70 |
| SKSP | 47 |
| YPKA | 85 |
| Total IPP | 730 |
| Total Gas | 1,094 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Gas | 47,948 | 13.55 % |
| Hydro | 14,718 | 4.16 % |
| Total TNB | 62,666 | 17.71 % |
| ST-Coal | 183,435 | 51.85 % |
| Gas | 105,475 | 29.82 % |
| Total IPP | 288,910 | 81.67 % |
| Co-Gen | 1,413 | 0.40 % |
| Total Co-Gen | 1,413 | 0.40 % |
| Total Generation | 352,989 | 99.78 % |
| PLTG | -74 | -0.02 % |
| HVDC | -698 | -0.20 % |
| Interconnection | -772 | -0.22 % |
| Net Energy | 353,761 | 100.00 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 65,248,349.53 RM |
| Cost per Unit | 19.29 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 380 |
| Hydro | 440 |
| Syncon | 446 |
| Thermal | 132 |
| Total | 1,398 |

Total Gas Required 1,094

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot | 35 |
| 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 | 14327 | 13664 | 13062 | 12729 | 12539 | 12208 | 12428 | 12545 | 12838 | 14407 | 15406 | 15951 | 15966 | 15788 | 16393 | 16690 | 16788 | 16362 | 15244 | 14852 | 16035 | 16055 | 15603 | 15195 |

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Wednesday

| 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 | |
|-------------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|
| SIHY | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SIHY | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SYPS | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SYPS | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SYPS | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SYPS | HY04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TMGR | HY02 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| TMGR | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TMGR | HY04 | 61 | 61 | 61 | 35 | 35 | 35 | 34 | 35 | 35 | 35 | 35 | 35 | 34 | 35 | 36 | 35 | 35 | 81 | 36 | 36 | 36 | 36 | 36 | 36 | |
| UJLI | HY01 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | |
| UPIA | HY01 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Total Hydro | | 448 | 378 | 226 | 200 | 202 | 203 | 200 | 198 | 200 | 199 | 200 | 211 | 220 | 225 | 200 | 197 | 210 | 249 | 247 | 246 | 469 | 521 | 709 | | |
| Total Distillate | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| PCUF | CUFG | 28 | 29 | 29 | 29 | 27 | 27 | 28 | 28 | 29 | 28 | 29 | 29 | 29 | 29 | 29 | 28 | 29 | 28 | 27 | 24 | 24 | 23 | 24 | 24 | |
| PCUF | CUFK | 34 | 33 | 32 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 34 | 34 | 34 | 33 | 33 | 33 | 34 | 34 | 33 | 32 | 32 | 31 | 30 | 29 |
| Total Co-Gen | | 62 | 62 | 61 | 63 | 60 | 61 | 61 | 62 | 62 | 63 | 58 | 63 | 63 | 62 | 62 | 62 | 63 | 61 | 60 | 58 | 59 | 57 | 58 | 58 | |
| Total Gen | | 14317 | 14000 | 13619 | 13384 | 13062 | 12927 | 12723 | 12513 | 12516 | 12355 | 12172 | 12339 | 12377 | 12687 | 12562 | 12473 | 12800 | 13837 | 14359 | 14848 | 15353 | 15620 | 15884 | 16090 | |
| 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 | |
| TIE-HVDC | | -29 | -29 | -29 | -30 | -29 | -29 | -30 | -30 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | |
| TIE-PLTG | | 20 | 29 | -15 | 8 | 29 | 42 | 23 | 0 | 7 | -30 | -7 | -1 | -22 | 81 | 46 | 6 | -9 | -20 | -18 | -24 | -24 | -73 | -38 | -32 | |
| Interconnection | | -10 | 0 | -45 | -22 | 0 | 14 | -6 | -30 | -23 | -59 | -36 | -30 | -51 | 52 | 17 | -23 | -38 | -50 | -48 | -53 | -53 | -102 | -67 | | |
| System Total | | 14327 | 14000 | 13664 | 13406 | 13062 | 12913 | 12729 | 12543 | 12539 | 12414 | 12208 | 12369 | 12428 | 12635 | 12545 | 12496 | 12828 | 13887 | 14407 | 14901 | 15406 | 15722 | 15951 | 16152 | |
| SRev ST-Coal | | 206 | 255 | 320 | 312 | 283 | 396 | 368 | 329 | 278 | 324 | 263 | 230 | 241 | 326 | 233 | 326 | 132 | 251 | 246 | 27 | 130 | 138 | 201 | 144 | |
| 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 | |
| SRev CCGT-Gas | | 493 | 431 | 644 | 563 | 917 | 851 | 1080 | 1331 | 1330 | 1430 | 1549 | 1259 | 1291 | 1047 | 1246 | 1432 | 1226 | 455 | 405 | 342 | 327 | 281 | 293 | 296 | |
| 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 | |
| SRev Co-Gen | | 3 | 3 | 4 | 2 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 2 | 7 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 5 | 5 | |
| Syncon | | 980 | 980 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 1081 | 990 | 1081 | 1081 | 1081 | 1081 | 779 | 779 | 653 | 779 | 491 | 340 | |
| Hydro | | 191 | 161 | 112 | 138 | 136 | 135 | 138 | 140 | 138 | 139 | 138 | 127 | 118 | 264 | 138 | 141 | 128 | 89 | 393 | 394 | 347 | 344 | 444 | 522 | |
| S.Reserve Total | | 1873 | 1830 | 2161 | 2096 | 2422 | 2468 | 2671 | 2885 | 2830 | 2978 | 3034 | 2780 | 2733 | 2574 | 2700 | 2889 | 2763 | 1740 | 1829 | 1764 | 1357 | 1536 | 1370 | 1364 | |