

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 0 MW |
| ST-Gas | 0 MW |
| ST-Oil | 0 MW |
| Hydro | 2,522 MW |
| Distillate | 0 MW |
| Total TNB | 2,522 MW |
| Total IPP | 16,498 MW |
| Total Co-Gen | 0 MW |
| Total System | 21,696 MW |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| Hydro | 36,215 | 10.75 % |
| Gas | 35,363 | 10.49 % |
| Total TNB | 71,578 | 21.24 % |
| ST-Coal | 198,396 | 58.87 % |
| LSS | 2,783 | 0.83 % |
| Gas | 65,071 | 19.31 % |
| Total IPP | 266,250 | 79.00 % |
| Co-Gen | 150 | 0.04 % |
| Total Co-Gen | 150 | 0.04 % |
| Total Generation | 337,978 | 100.29 % |
| PLTG | 248 | 0.07 % |
| HVDC | 722 | 0.21 % |
| Interconnection | 970 | 0.29 % |
| Net Energy | 337,008 | 100.00 % |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 3/10/2020 | 18,808 MW |
| Date: 3/10/2020 | 394,238 MWH |

Set On Bus, TNB, IPP And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 16:30:00 Hour |
| Total Set On Bus | 16,776 MW |
| TNB Generation | 3,484 MW |
| IPP Generation | 12,271 MW |
| Spinning Reserve | 1,016 MW |
| Maximum Demand | 15,713 MW |
| Net Energy | 337,008 MWH |
| Load Factor | 89.37 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 49,403,192.30 RM |
| Cost per Unit | 14.60 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 283 |
| Hydro | 383 |
| Syncon | 310 |
| Thermal | 388 |
| Total | 1,364 |

Time Weather Temperature

| | | |
|-----------|-------|----|
| Afternoon | Hot | 32 |
| Morning | Sunny | 26 |

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 | 13806 | 13229 | 12701 | 12334 | 12137 | 11974 | 11956 | 12191 | 12613 | 13916 | 14552 | 14865 | 14823 | 14590 | 15095 | 15562 | 15653 | 15495 | 14709 | 14677 | 15497 | 15204 | 14807 | 14521 |

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 | | |
|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| KNYR | HY02 | 106 | 107 | 106 | 107 | 106 | 107 | 107 | 107 | 107 | 107 | 106 | 107 | 106 | 106 | 107 | 107 | 106 | 107 | 106 | 106 | 106 | 106 | 107 | 107 | 107 | 107 |
| KNYR | HY03 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| KNYR | HY04 | 104 | 104 | 104 | 105 | 104 | 105 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 105 | 104 | 104 | 104 | 105 | 104 | 104 | 105 | 104 |
| LPIA | HY01 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| LPIA | HY02 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| MNOR | HY01 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| PGAU | HY01 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 21 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 109 | 20 | 21 | 21 | 20 |
| PGAU | HY02 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 111 | 23 | -1 | -1 | -1 |
| PGAU | HY03 | 37 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 81 | 81 | 112 | 42 | |
| PGAU | 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 | 0 | |
| SIHY | HY01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 49 | 49 | 48 | 0 | 0 | 0 | 0 | 30 | |
| SIHY | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 30 | |
| SIHY | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 50 | 50 | 50 | 30 | 31 | 31 | 31 | 31 | |
| 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 | 17 | 25 | |
| SYPS | HY02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| SYPS | HY03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| SYPS | HY04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | |
| TMGR | HY01 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 88 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | |
| TMGR | HY02 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | |
| TMGR | HY03 | 80 | 83 | 83 | 83 | 82 | 83 | 80 | 80 | 80 | 78 | 80 | 80 | 80 | 80 | 78 | 76 | 80 | 78 | 79 | 77 | 79 | 80 | 80 | 77 | 73 | |
| TMGR | HY04 | 88 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 89 | 90 | 90 | 90 | 90 | 90 | 87 | 90 | 90 | 90 | 88 | 90 | 90 | 90 | 90 | 87 | |
| UJLI | HY01 | 88 | 96 | 92 | 99 | 91 | 98 | 91 | 93 | 95 | 88 | 94 | 95 | 96 | 92 | 86 | 89 | 93 | 102 | 96 | -1 | -1 | -1 | -1 | -1 | -1 | |
| UJLI | 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 | -1 | |
| UPIA | HY01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| UPIA | HY02 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| Total Hydro | | 1406 | 1406 | 1378 | 1389 | 1375 | 1387 | 1376 | 1378 | 1380 | 1368 | 1377 | 1379 | 1404 | 1377 | 1367 | 1391 | 1376 | 1468 | 1402 | 1298 | 1344 | 1461 | 1588 | 1587 | 1468 | |
| 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 | 0 | 0 | |
| BDSLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 7 | 10 | 13 | 17 | 21 | | |
| BKLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 9 | 12 | 19 | 21 | 25 | 26 | | |
| BSLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 8 | 15 | 19 | 24 | 27 | 25 | 30 | 30 | 30 | | |
| CHLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 22 | 22 | 32 | 39 | 41 | 44 | 33 | 39 | | |
| GBLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 9 | 14 | 15 | 23 | 29 | 34 | 33 | 39 | 28 | | |
| GELS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 10 | 11 | 9 | 20 | 21 | 10 | 11 | 14 | 18 | | |
| GNLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 15 | 20 | 26 | 33 | 40 | 34 | 45 | 47 | 33 | | |
| JLSL | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 10 | 13 | 18 | 23 | 30 | 40 | 45 | 36 | 34 | | |
| KKLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 14 | 21 | 26 | 30 | 36 | 39 | 39 | 41 | 41 | | |
| KRLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 9 | 15 | 19 | 23 | 25 | 29 | 30 | 20 | 30 | | |
| MCLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 7 | 7 | 8 | 4 | 8 | 17 | 14 | 8 | 7 | | |
| SPLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 11 | 14 | 24 | 29 | 44 | 51 | 52 | 52 | 32 | | |
| SSLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 14 | 20 | 25 | 29 | 31 | 35 | 38 | 37 | 38 | | |
| STLS | LSS1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 9 | 12 | 13 | 10 | 10 | 13 | 10 | 13 | | |
| Total LSS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 75 | 138 | 200 | 252 | 317 | 382 | 412 | 449 | 411 | 389 | 406 | | |
| PCUF | CUFK | 3 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 2 | 3 | 4 | 2 | 3 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 4 | 3 | 3 | 3 | | |
| PCUF | CUFK | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 5 | 2 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 1 | 3 | 2 | 2 | 3 | 3 | 3 | 5 | | |
| Total Co-Gen | | 6 | 6 | 6 | 4 | 6 | 6 | 6 | 8 | 6 | 6 | 5 | 6 | 7 | 5 | 5 | 8 | 6 | 4 | 5 | 5 | 6 | 7 | 7 | 5 | 8 | |
| Total Gen | | 13828 | 13461 | 13240 | 12926 | 12727 | 12524 | 12382 | 12315 | 12152 | 12051 | 11999 | 12003 | 12025 | 12203 | 12246 | 12398 | 12602 | 13393 | 13925 | 14300 | 14609 | 14731 | 14890 | 14992 | | |
| 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 | |

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 | 29 | 30 | 30 | 30 | 29 | 29 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | | | | | | | | | | | | |
| TIE-PLTG | | 4 | -56 | -7 | -52 | 7 | -35 | 30 | 21 | -4 | 36 | 7 | 51 | 51 | 96 | 37 | 17 | -29 | -45 | -9 | 6 | 39 | -67 | 7 | 23 | 3 | -3 | -11 | -1 | -17 | -51 | 28 | 11 | 3 | 27 | -9 | 44 | 89 | 74 | 94 | 16 | -10 | 75 | 8 | 34 | -31 | -41 | 36 | 0 | |
| Interconnection | | 34 | -26 | 23 | -21 | 37 | -5 | 59 | 51 | 27 | 67 | 37 | 81 | 81 | 126 | 67 | 48 | 1 | -15 | 20 | 36 | 69 | -37 | 37 | 54 | 33 | 27 | 19 | 28 | 13 | -21 | 58 | 41 | 33 | 58 | 21 | 74 | 119 | 104 | 124 | 47 | 21 | 106 | 38 | 64 | -1 | -11 | 67 | 31 | |
| System Total | | 13806 | 13499 | 13229 | 12959 | 12701 | 12540 | 12334 | 12275 | 12137 | 11996 | 11974 | 11934 | 11956 | 12089 | 12191 | 12362 | 12613 | 13420 | 13916 | 14275 | 14552 | 14780 | 14865 | 14950 | 14823 | 14675 | 14590 | 14833 | 15095 | 15427 | 15562 | 15629 | 15653 | 15713 | 15495 | 14992 | 14709 | 14464 | 14677 | 15448 | 15497 | 15260 | 15204 | 15017 | 14807 | 14781 | 14521 | 14270 | |
| SRev ST-Coal | | 629 | 821 | 828 | 960 | 1067 | 1058 | 1056 | 1058 | 1060 | 1062 | 1055 | 1061 | 1053 | 1065 | 1048 | 1051 | 1051 | 886 | 701 | 573 | 401 | 421 | 430 | 421 | 419 | 431 | 494 | 421 | 419 | 418 | 351 | 327 | 342 | 347 | 321 | 335 | 340 | 422 | 331 | 348 | 272 | 214 | 342 | 332 | 334 | 338 | 347 | 612 | |
| SRev CCGT-Gas | | 259 | 215 | 268 | 221 | 266 | 216 | 266 | 232 | 399 | 475 | 555 | 544 | 560 | 336 | 296 | 284 | 275 | 201 | 257 | 299 | 358 | 269 | 297 | 299 | 332 | 281 | 278 | 245 | 286 | 216 | 336 | 282 | 273 | 226 | 282 | 347 | 278 | 311 | 337 | 233 | 280 | 276 | 229 | 329 | 251 | 256 | 270 | 259 | |
| SRev LSS | | 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 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 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 |
| SRev Co-Gen | | 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 |
| Syncon | | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 338 | 489 | 489 | 338 | 489 | 338 | 338 | 338 | 338 | 338 | 338 | 338 | 338 | 338 | 338 | 338 | 187 | 187 | 187 | 187 | 187 | 187 | 489 | 489 | 489 | 489 | 187 | 187 | 338 | 338 | 338 | 338 | 338 | 489 | | |
| Hydro | | 271 | 271 | 149 | 138 | 153 | 141 | 152 | 150 | 147 | 159 | 150 | 148 | 274 | 150 | 160 | 287 | 151 | 210 | 277 | 194 | 146 | 367 | 290 | 291 | 310 | 301 | 315 | 316 | 366 | 337 | 367 | 414 | 353 | 261 | 457 | 359 | 273 | 282 | 297 | 326 | 612 | 583 | 575 | 609 | 476 | 480 | 391 | 257 | |
| S.Reserve Total | | 1648 | 1796 | 1734 | 1808 | 1975 | 1904 | 1963 | 1929 | 2095 | 2185 | 2249 | 2242 | 2225 | 2040 | 1993 | 1960 | 1966 | 1635 | 1573 | 1591 | 1581 | 1395 | 1355 | 1349 | 1399 | 1351 | 1425 | 1320 | 1409 | 1158 | 1241 | 1210 | 1155 | 1021 | 1247 | 1530 | 1380 | 1504 | 1454 | 1094 | 1351 | 1411 | 1484 | 1608 | 1399 | 1412 | 1346 | 1617 | |