

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 10,652 MW |
| ST-Gas | 590 MW |
| ST-Oil | 0 MW |
| LSS | 1,340 MW |
| Hydro | 2,529 MW |
| Distillate | 0 MW |
| Others | 0 MW |
| Gas | 9,492 MW |
| Co-Gen | 0 MW |
| Total System | 24,603 MW |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 4/29/2024 | 20,028 MW |
| Date: 4/3/2024 | 423,300 MWH |

Set On Bus And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 15:30:00 Hour |
| Total Set On Bus | 18,777 MW |
| Spinning Reserve | 1,879 MW |
| Maximum Demand | 16,943 MW |
| Net Energy | 369,338 MWH |
| Load Factor | 91 % |

Gas Usage

| Station | (mmscfd) |
|---------------------------|------------|
| GLGR | 29 |
| TJGS | 91 |
| CBPS | 43 |
| EMPP | 261 |
| NPRI | 74 |
| PCGP | 80 |
| SPGP | 206 |
| Total Gas | 783 |
| Total Gas Required | 783 |

Alternate Fuel Usage

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

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| ST-Coal | 228,160 | 61.78 % |
| LSS | 7,979 | 2.16 % |
| Hydro | 11,849 | 3.21 % |
| Gas | 120,693 | 32.68 % |
| Co-Gen | -9 | 0.00 % |
| Total Generation | 368,672 | 99.82 % |
| PLTG | 32 | 0.01 % |
| HVDC | -698 | -0.19 % |
| Interconnection | -666 | -0.18 % |
| Net Energy | 369,338 | 100.00 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 79,812,414.92 RM |
| Cost per Unit | 21.58 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 679 |
| Hydro | 427 |
| Syncon | 945 |
| Thermal | 292 |
| Total | 2,343 |

| Time | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Rainy | 32 |
| Morning | Cloudy | 27 |

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 | 16164 | 15580 | 14992 | 14460 | 14030 | 13866 | 13766 | 13590 | 13512 | 14533 | 15143 | 15578 | 15510 | 15725 | 16536 | 16938 | 16941 | 16524 | 15745 | 15622 | 16228 | 16429 | 16050 | 15822 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:17:47 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PCUF | CUFG | 21 | 22 | 21 | 23 | 23 | 23 | 24 | 23 | 23 | 24 | 24 | 24 | 25 | 24 | 23 | 22 | 23 | 23 | 22 | 21 | 21 | 20 | 21 | 20 | 21 | 21 | 20 | 21 | 21 | 22 | 24 | 23 | 23 | 24 | 23 | 22 | 22 | 22 | 21 | 22 | | | | | | | | |
| PCUF | CUFK | 2 | 4 | 3 | 4 | 2 | 3 | 3 | 3 | 2 | 3 | 5 | 2 | 4 | 3 | 3 | 2 | 1 | 6 | 4 | 2 | 4 | 2 | 2 | 3 | 1 | 3 | 3 | 2 | 4 | 6 | 2 | 3 | 3 | 2 | 3 | 3 | 4 | 4 | 2 | 2 | | | | | | | | |
| Total NEDA Co-Gen | | 50 | 42 | 50 | 55 | 45 | 53 | 51 | 54 | 48 | 44 | 47 | 45 | 50 | 52 | 49 | 43 | 47 | 44 | 41 | 42 | 44 | 43 | 39 | 37 | 42 | 44 | 46 | 36 | 45 | 34 | 42 | 41 | 40 | 38 | 34 | 38 | 34 | 44 | 45 | 42 | 56 | 54 | 52 | 49 | 53 | 42 | 38 | 45 |
| Total NEDA Solar | | 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 |
| Total Generation | | 16128 | 15845 | 15591 | 15259 | 14996 | 14784 | 14476 | 14218 | 14043 | 13999 | 13847 | 13753 | 13743 | 13755 | 13590 | 13264 | 13485 | 14110 | 14504 | 14737 | 15114 | 15351 | 15567 | 15565 | 15496 | 15562 | 15774 | 16283 | 16540 | 16998 | 17021 | 16957 | 16995 | 16927 | 16605 | 16260 | 15831 | 15566 | 15669 | 15907 | 16253 | 16485 | 16443 | 16263 | 16070 | 15915 | 15852 | 15657 |
| KHTC | BLK1 | -34 | -35 | -34 | -33 | -34 | -34 | -34 | -29 | -32 | -30 | -28 | -30 | -29 | -28 | -29 | -32 | -32 | -36 | -38 | -38 | -44 | -46 | -48 | -51 | -51 | -58 | -58 | -59 | -59 | -61 | -63 | -63 | -62 | -63 | -57 | -77 | -85 | -85 | -66 | -61 | -61 | -57 | -38 | -31 | -29 | -28 | -29 | -26 |
| Total Franchise Area | | -34 | -35 | -34 | -33 | -34 | -34 | -34 | -29 | -32 | -30 | -28 | -30 | -29 | -28 | -29 | -32 | -32 | -36 | -38 | -38 | -44 | -46 | -48 | -51 | -51 | -58 | -58 | -59 | -59 | -61 | -63 | -63 | -62 | -63 | -57 | -77 | -85 | -85 | -66 | -61 | -61 | -57 | -38 | -31 | -29 | -28 | -29 | -26 |
| Singapore | | -36 | 8 | 9 | 2 | 3 | 15 | 14 | 11 | 12 | 9 | -16 | -6 | -19 | 6 | 2 | -18 | -27 | -40 | -33 | -43 | -38 | -44 | -26 | -28 | -30 | -21 | 23 | -14 | -22 | 28 | 54 | -16 | 24 | 12 | 56 | 64 | 33 | 0 | 14 | 11 | -4 | 17 | 7 | 10 | 23 | 3 | 35 | 41 |
| Thailand | | -31 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -31 | -30 | -31 | -28 | -28 | -28 | -30 | -28 | -31 | -31 | -29 | -28 | -31 | -28 | -28 | -28 | -28 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -29 | -28 | -30 | -31 | -28 | -29 | -28 | -28 | -28 | -29 | -29 | -30 | -30 | |
| Interconnection | | -67 | -20 | -20 | -27 | -27 | -14 | -15 | -19 | -16 | -19 | -44 | -37 | -49 | -25 | -26 | -46 | -55 | -69 | -63 | -70 | -69 | -75 | -55 | -56 | -61 | -49 | -5 | -42 | -51 | 0 | 24 | -45 | -4 | -17 | 28 | 35 | 5 | -31 | -16 | -18 | -33 | -11 | -21 | -18 | -6 | -26 | 4 | 11 |
| Total Demand | | 16164 | 15833 | 15580 | 15256 | 14992 | 14767 | 14460 | 14211 | 14030 | 13991 | 13866 | 13763 | 13766 | 13755 | 13590 | 13282 | 13512 | 14147 | 14533 | 14773 | 15143 | 15384 | 15578 | 15574 | 15510 | 15557 | 15725 | 16270 | 16536 | 16941 | 16938 | 16943 | 16941 | 16885 | 16524 | 16152 | 15745 | 15516 | 15622 | 15867 | 16228 | 16442 | 16429 | 16253 | 16050 | 15916 | 15822 | 15623 |
| S.Rev ST-Coal | | 204 | 263 | 368 | 454 | 511 | 526 | 468 | 615 | 609 | 708 | 624 | 655 | 666 | 669 | 673 | 713 | 651 | 620 | 516 | 333 | 340 | 334 | 382 | 513 | 513 | 537 | 411 | 411 | 209 | 265 | 243 | 170 | 196 | 213 | 184 | 181 | 186 | 183 | 177 | 195 | 181 | 169 | 197 | 302 | 295 | 292 | 302 | 305 |
| S.Rev CCGT-Gas | | 1627 | 1381 | 1380 | 1294 | 1139 | 1269 | 1425 | 1347 | 1369 | 1399 | 1579 | 1612 | 1472 | 1498 | 1648 | 1872 | 1725 | 1246 | 1273 | 1373 | 1125 | 1246 | 1270 | 1353 | 1356 | 1349 | 1024 | 739 | 905 | 443 | 355 | 294 | 421 | 163 | 240 | 500 | 717 | 922 | 742 | 434 | 249 | 170 | 203 | 216 | 250 | 150 | 137 | 273 |
| S.Rev Co-Gen | | 0 | 1 | 0 | -1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | -1 | 2 | 0 | 2 | 2 | 0 | 2 | 0 | 1 | 1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -1 | 0 | 1 | 1 | 0 | 0 | -2 | 0 | 1 | -1 |
| Syncon | | 991 | 991 | 1142 | 1142 | 1142 | 991 | 1142 | 1054 | 1054 | 1054 | 1054 | 903 | 903 | 1054 | 1054 | 1054 | 903 | 1054 | 1054 | 1142 | 903 | 1054 | 1055 | 1054 | 1142 | 1054 | 903 | 1054 | 1054 | 991 | 804 | 653 | 991 | 1142 | 1142 | 1142 | 1142 | 991 | 1142 | 804 | 804 | 804 | 804 | 804 | 840 | 991 | | |
| Hydro | | 325 | 328 | 194 | 193 | 242 | 375 | 375 | 244 | 252 | 251 | 250 | 251 | 247 | 378 | 383 | 299 | 296 | 291 | 421 | 287 | 231 | 229 | 360 | 230 | 229 | 223 | 222 | 223 | 355 | 219 | 220 | 337 | 336 | 535 | 279 | 144 | 147 | 142 | 141 | 280 | 146 | 341 | 407 | 402 | 375 | 336 | 373 | 309 |
| S.Reserve Total | | 3234 | 3051 | 3171 | 3169 | 3121 | 3249 | 3346 | 3435 | 3460 | 3587 | 3681 | 3746 | 3615 | 3622 | 3780 | 4114 | 3900 | 3387 | 3289 | 3221 | 2926 | 3038 | 3090 | 3325 | 3326 | 3337 | 2886 | 2601 | 2546 | 2155 | 2046 | 1879 | 1844 | 1651 | 1780 | 2054 | 2279 | 2476 | 2288 | 1987 | 1806 | 1572 | 1611 | 1724 | 1722 | 1669 | 1740 | 1964 |