

Availability at Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 9,166 MW |
| ST-Gas | 590 MW |
| ST-Oil | 0 MW |
| LSS | 1,340 MW |
| Hydro | 2,287 MW |
| Distillate | 0 MW |
| Others | 0 MW |
| Gas | 9,542 MW |
| Co-Gen | 0 MW |
| Total System | 22,925 MW |

Maximum Demand Record

| | |
|-----------------|-------------|
| Date: 5/11/2023 | 19,716 MW |
| Date: 3/26/2024 | 420,162 MWH |

Set On Bus And MD

| | |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 20:30:00 Hour |
| Total Set On Bus | 19,227 MW |
| Spinning Reserve | 1,371 MW |
| Maximum Demand | 17,884 MW |
| Net Energy | 384,307 MWH |
| Load Factor | 90 % |

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| GLGR | 48 |
| TJGS | 172 |
| EMPP | 259 |
| KLPP | 46 |
| NPRI | 70 |
| PCGP | 81 |
| PLPS | 45 |
| SGRI | 44 |
| SKSP | 0 |
| SPGP | 192 |
| PKLG | 1 |
| Total Gas | 958 |

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|----------|
| PKLG | 3 |
| Total | 3 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|----------------|-----------------|
| ST-Coal | 216,087 | 56.23 % |
| ST-Gas | 102 | 0.03 % |
| ST-Oil | 344 | 0.09 % |
| LSS | 8,917 | 2.32 % |
| Hydro | 14,100 | 3.67 % |
| Gas | 141,817 | 36.90 % |
| Co-Gen | 726 | 0.19 % |
| Total Generation | 382,093 | 99.42 % |
| PLTG | -110 | -0.03 % |
| HVDC | -2,104 | -0.55 % |
| Interconnection | -2,214 | -0.58 % |
| Net Energy | 384,307 | 100.00 % |

Fuel Cost

| | |
|---------------|------------------|
| Total Cost: | 88,797,968.51 RM |
| Cost per Unit | 23.20 cents/kWH |

Average Spinning Reserve During Peak Hour

| Type | MW |
|--------------|--------------|
| GT | 1,628 |
| Hydro | 342 |
| Syncon | 900 |
| Thermal | 182 |
| Total | 3,052 |

Total Gas Required 961

Time Weather Temperature

| | | |
|-----------|-------|----|
| Afternoon | Hot | 32 |
| 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 | 17551 | 16834 | 16199 | 15576 | 15133 | 15014 | 14714 | 14302 | 13523 | 14260 | 14907 | 15234 | 15384 | 15307 | 15997 | 16518 | 16682 | 16865 | 16729 | 16844 | 17567 | 17881 | 17567 | 17435 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:39:08 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

| 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 |
|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| UJLI | HYDR | 86 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| Total Hydro | | 995 | 830 | 770 | 770 | 749 | 750 | 594 | 559 | 518 | 520 | 522 | 473 | 471 | 473 | 489 | 318 | 390 | 390 | 391 | 390 | 390 | 391 | 391 | 390 |
| 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 |
| Total Solar | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 113 | 254 | 434 | 596 | 680 | 881 | 985 | 1074 | 1107 | 1181 |
| ESTL | ESTL | 24 | 23 | 25 | 32 | 29 | 26 | 28 | 25 | 23 | 24 | 30 | 33 | 32 | 28 | 29 | 28 | 27 | 24 | 24 | 25 | 24 | 23 | 26 | |
| PCUF | CUGF | 22 | 22 | 23 | 22 | 22 | 22 | 21 | 23 | 23 | 22 | 24 | 23 | 24 | 23 | 23 | 23 | 21 | 19 | 21 | 20 | 20 | 20 | 19 | |
| PCUF | CUFK | 30 | 29 | 30 | 28 | 28 | 30 | 27 | 28 | 30 | 7 | 3 | 3 | 4 | 5 | 5 | 2 | 3 | 4 | 5 | 3 | 2 | 2 | 3 | |
| PFTZ | PFTZ | 5 | 2 | 4 | 4 | 4 | 4 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total NEDA Co-Gen | | 81 | 76 | 82 | 86 | 83 | 82 | 78 | 77 | 77 | 54 | 58 | 60 | 61 | 56 | 57 | 53 | 53 | 51 | 50 | 46 | 48 | 46 | 46 | |
| 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 | |
| Total Generation | | 17336 | 16913 | 16603 | 16209 | 15955 | 15635 | 15362 | 15141 | 14893 | 14850 | 14764 | 14643 | 14488 | 14504 | 14256 | 13798 | 13481 | 13875 | 14197 | 14583 | 14836 | 15058 | 15178 | |
| KHTC | BLK1 | -25 | -23 | -24 | -25 | -23 | -24 | -21 | -22 | -18 | -18 | -15 | -17 | -15 | -12 | -11 | -14 | -15 | -15 | -18 | -22 | -25 | -26 | -29 | |
| Total Franchise Area | | -25 | -23 | -24 | -25 | -23 | -24 | -21 | -22 | -18 | -18 | -15 | -17 | -15 | -12 | -11 | -14 | -15 | -15 | -18 | -22 | -25 | -26 | -29 | |
| Singapore | | 7 | -1 | -5 | -23 | -18 | 9 | 13 | 3 | -10 | -2 | -18 | -11 | 9 | -21 | -26 | 2 | -24 | -55 | -45 | -47 | -59 | -54 | -49 | |
| Thailand | | -244 | -245 | -247 | -245 | -245 | -244 | -245 | -243 | -245 | -244 | -244 | -245 | -246 | -30 | -29 | -29 | -30 | -30 | -30 | -29 | -29 | -29 | -29 | |
| Interconnection | | -237 | -246 | -252 | -268 | -264 | -235 | -232 | -240 | -255 | -246 | -262 | -255 | -238 | -50 | -55 | -27 | -52 | -84 | -74 | -77 | -89 | -84 | -78 | |
| Total Demand | | 17551 | 17139 | 16834 | 16455 | 16199 | 15849 | 15576 | 15362 | 15133 | 15081 | 15014 | 14884 | 14714 | 14540 | 14302 | 13818 | 13523 | 13948 | 14260 | 14655 | 14907 | 15121 | 15234 | |
| SRev ST-Coal | | 139 | 165 | 173 | 128 | 142 | 118 | 128 | 113 | 177 | 163 | 173 | 185 | 168 | 172 | 280 | 223 | 322 | 402 | 395 | 282 | 238 | 230 | 221 | |
| SRev ST-Oil | | -1 | 5 | 28 | 26 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| SRev CCGT-Gas | | 1080 | 781 | 796 | 877 | 1048 | 1341 | 1444 | 1644 | 1787 | 1823 | 1905 | 1967 | 2138 | 2113 | 2436 | 2968 | 3143 | 2877 | 2742 | 2630 | 2506 | 2491 | 2485 | |
| SRev ST-Gas | | 3 | 18 | 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 | -2 | 0 | -1 | 1 | 0 | 0 | -1 | -1 | -1 | -1 | 0 | 0 | 0 | -1 | 0 | -3 | 0 | |
| Syncon | | 428 | 615 | 552 | 552 | 703 | 703 | 703 | 791 | 791 | 791 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | 978 | |
| Hydro | | 288 | 179 | 302 | 302 | 172 | 171 | 327 | 274 | 235 | 233 | 231 | 231 | 233 | 233 | 231 | 255 | 477 | 254 | 301 | 300 | 301 | 301 | 300 | |
| S.Reserve Total | | 1937 | 1763 | 1851 | 1885 | 2089 | 2333 | 2600 | 2822 | 2989 | 3011 | 3100 | 3361 | 3516 | 3495 | 3924 | 4423 | 4769 | 4511 | 4416 | 4190 | 4022 | 4000 | 3981 | |