

### Availability at Daily Maximum Demand Hour

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 9,276 MW         |
| ST-Gas              | 590 MW           |
| ST-Oil              | 0 MW             |
| LSS                 | 1,340 MW         |
| Hydro               | 2,287 MW         |
| Distillate          | 0 MW             |
| Others              | 0 MW             |
| Gas                 | 9,767 MW         |
| Co-Gen              | 0 MW             |
| <b>Total System</b> | <b>23,260 MW</b> |

### Maximum Demand Record

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

### Gas Usage

|                           |          |              |          |
|---------------------------|----------|--------------|----------|
| Station                   | (mmscfd) | Station      | (mmscfd) |
| <b>Total Gas</b>          | <b>0</b> | <b>Total</b> | <b>0</b> |
| <b>Total Gas Required</b> | <b>0</b> |              |          |

### Alternate Fuel Usage

### Set On Bus And MD

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 20:30:00 Hour |
| Total Set On Bus              | 20,100 MW     |
| Spinning Reserve              | 1,175 MW      |
| Maximum Demand                | 18,924 MW     |
| Net Energy                    | 407,555 MWH   |
| Load Factor                   | 90 %          |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| ST-Coal                 | 220,344        | 54.06 %         |
| LSS                     | 9,826          | 2.41 %          |
| Hydro                   | 13,869         | 3.40 %          |
| Gas                     | 163,820        | 40.20 %         |
| Co-Gen                  | 264            | 0.06 %          |
| <b>Total Generation</b> | <b>408,123</b> | <b>100.14 %</b> |
| PLTG                    | -166           | -0.04 %         |
| EGAT                    | 5              | 0.00 %          |
| HVDC                    | 729            | 0.18 %          |
| <b>Interconnection</b>  | <b>568</b>     | <b>0.14 %</b>   |
| <b>Net Energy</b>       | <b>407,555</b> | <b>100.00 %</b> |

### Fuel Cost

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 733          |
| Hydro        | 372          |
| Syncon       | 654          |
| Thermal      | 152          |
| <b>Total</b> | <b>1,911</b> |

### Time Weather Temperature

### 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 | 17672 | 16844 | 16060 | 15485 | 15146 | 15062 | 15030 | 14674 | 14794 | 16027 | 16627 | 16961 | 16915 | 16973 | 17557 | 18519 | 18782 | 18436 | 17777 | 17704 | 18516 | 18881 | 18417 | 18299 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:49:01 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator

### 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 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| JMAH           | U002 | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 696  | 694  | 694  | 694  | 694  | 696  |
| JMHE           | U001 | 928  | 925  | 929  | 927  | 928  | 927  | 928  | 926  | 927  | 927  | 928  | 926  | 929  | 927  | 928  | 926  | 927  | 929  | 926  | 926  | 926  | 926  | 927  | 928  |
| JMHE           | U002 | 978  | 978  | 981  | 979  | 963  | 772  | 717  | 729  | 730  | 800  | 953  | 951  | 952  | 948  | 949  | 951  | 951  | 977  | 975  | 977  | 979  | 978  | 978  | 978  |
| JMIG           | U001 | 667  | 592  | 499  | 446  | 393  | 367  | 316  | 302  | 200  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| JMIG           | U002 | 671  | 668  | 672  | 677  | 664  | 668  | 671  | 669  | 675  | 662  | 673  | 666  | 666  | 666  | 678  | 666  | 672  | 666  | 674  | 678  | 656  | 668  | 671  | 672  |
| JMIG           | U003 | 671  | 672  | 668  | 673  | 669  | 666  | 668  | 667  | 667  | 671  | 670  | 679  | 667  | 662  | 668  | 667  | 667  | 667  | 671  | 672  | 673  | 673  | 670  | 668  |
| JMIG           | U005 | 980  | 978  | 980  | 982  | 979  | 978  | 979  | 980  | 978  | 979  | 980  | 947  | 947  | 950  | 950  | 947  | 951  | 981  | 980  | 977  | 982  | 981  | 979  | 977  |
| PKLG           | U004 | 269  | 279  | 274  | 274  | 277  | 279  | 273  | 278  | 277  | 276  | 276  | 273  | 274  | 279  | 279  | 276  | 279  | 274  | 272  | 276  | 277  | 274  | 275  | 274  |
| PKLG           | U005 | 470  | 468  | 470  | 469  | 468  | 438  | 426  | 411  | 407  | 407  | 403  | 423  | 466  | 467  | 468  | 471  | 464  | 464  | 466  | 468  | 466  | 466  | 467  | 467  |
| PKLG           | U006 | 448  | 448  | 446  | 446  | 449  | 446  | 447  | 448  | 449  | 448  | 449  | 449  | 449  | 444  | 444  | 444  | 444  | 440  | 444  | 448  | 448  | 448  | 448  | 448  |
| TBIN           | U001 | 691  | 689  | 691  | 690  | 690  | 687  | 689  | 689  | 691  | 690  | 689  | 689  | 689  | 690  | 691  | 689  | 691  | 688  | 689  | 690  | 692  | 689  | 689  | 689  |
| TBIN           | U002 | 687  | 688  | 685  | 687  | 689  | 689  | 688  | 690  | 690  | 690  | 692  | 692  | 687  | 683  | 689  | 691  | 689  | 689  | 687  | 688  | 690  | 688  | 690  | 689  |
| TBIN           | U003 | 686  | 684  | 688  | 683  | 687  | 684  | 686  | 687  | 688  | 686  | 685  | 688  | 685  | 684  | 686  | 688  | 689  | 689  | 686  | 686  | 685  | 685  | 685  | 685  |
| TBIN           | U004 | 983  | 983  | 984  | 983  | 982  | 982  | 984  | 983  | 983  | 983  | 983  | 953  | 953  | 953  | 952  | 953  | 954  | 982  | 984  | 983  | 983  | 984  | 983  | 983  |
| Total ST-Coal  |      | 9825 | 9748 | 9663 | 9612 | 9534 | 9279 | 9168 | 9157 | 9057 | 8913 | 9075 | 9024 | 9070 | 9060 | 9071 | 9071 | 9074 | 9144 | 9147 | 9158 | 9151 | 9157 | 9157 | 9157 |
| Total ST-Oil   |      | 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 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    |
| CBPS           | BLK2 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| EMPP           | BLK1 | 698  | 728  | 687  | 575  | 586  | 605  | 520  | 480  | 492  | 525  | 458  | 481  | 489  | 462  | 408  | 403  | 411  | 477  | 547  | 582  | 623  | 649  | 660  |      |
| EMPP           | BLK2 | 695  | 729  | 698  | 574  | 584  | 602  | 518  | 484  | 490  | 524  | 454  | 477  | 488  | 464  | 407  | 404  | 411  | 480  | 549  | 586  | 623  | 646  | 666  |      |
| EMPP           | BLK3 | 695  | 729  | 695  | 576  | 583  | 603  | 524  | 485  | 493  | 523  | 458  | 480  | 488  | 464  | 409  | 403  | 411  | 478  | 548  | 587  | 623  | 651  | 667  |      |
| GLGR           | BLK1 | 304  | 302  | 304  | 249  | 202  | 202  | 201  | 202  | 202  | 202  | 202  | 201  | 202  | 201  | 202  | 201  | 202  | 201  | 201  | 202  | 201  | 202  | 201  | 202  |
| KLPP           | BLK1 | 436  | 222  | 173  | 183  | 184  | 183  | 184  | 183  | 183  | 183  | 183  | 183  | 183  | 180  | 183  | 184  | 183  | 184  | 183  | 184  | 183  | 181  | 184  |      |
| NPRI           | BLK2 | 502  | 516  | 517  | 517  | 515  | 517  | 517  | 517  | 516  | 516  | 388  | 395  | 398  | 322  | 319  | 329  | 526  | 525  | 525  | 524  | 525  | 526  | 522  |      |
| PCGP           | BLK1 | 583  | 600  | 603  | 603  | 601  | 601  | 599  | 600  | 602  | 601  | 600  | 604  | 604  | 602  | 593  | 406  | 502  | 602  | 601  | 602  | 601  | 602  | 605  |      |
| PLPS           | BLK1 | 401  | 411  | 414  | 350  | 191  | 194  | 193  | 193  | 194  | 193  | 194  | 193  | 194  | 194  | 193  | 194  | 193  | 194  | 193  | 194  | 193  | 194  | 193  |      |
| SGRI           | BLK1 | 324  | 172  | 172  | 169  | 169  | 168  | 169  | 170  | 170  | 168  | 169  | 168  | 169  | 168  | 169  | 167  | 168  | 169  | 169  | 167  | 167  | 169  | 170  |      |
| SGRI           | BLK2 | 159  | 170  | 168  | 167  | 166  | 166  | 164  | 165  | 165  | 164  | 165  | 166  | 166  | 166  | 166  | 165  | 167  | 167  | 165  | 167  | 165  | 166  | 165  |      |
| SPGP           | BLK1 | 689  | 709  | 710  | 712  | 710  | 711  | 709  | 712  | 711  | 713  | 712  | 713  | 715  | 709  | 703  | 700  | 713  | 712  | 709  | 710  | 708  | 708  | 705  |      |
| SPGP           | BLK2 | 692  | 713  | 710  | 712  | 711  | 712  | 710  | 710  | 710  | 711  | 710  | 712  | 712  | 711  | 703  | 701  | 713  | 711  | 711  | 709  | 707  | 707  | 705  |      |
| TJGS           | BLK1 | 536  | 408  | 405  | 400  | 405  | 405  | 405  | 403  | 407  | 408  | 403  | 403  | 408  | 409  | 400  | 397  | 406  | 407  | 404  | 406  | 404  | 406  | 401  |      |
| TJGS           | BLK2 | 532  | 452  | 450  | 452  | 451  | 452  | 451  | 452  | 450  | 451  | 452  | 451  | 452  | 452  | 450  | 446  | 452  | 451  | 449  | 448  | 450  | 446  | 449  |      |
| Total CCGT-Gas |      | 7246 | 6861 | 6706 | 6239 | 6058 | 6121 | 5866 | 5753 | 5785 | 5886 | 5677 | 5620 | 5667 | 5584 | 5309 | 5093 | 5261 | 5757 | 5953 | 6066 | 6180 | 6256 | 6299 |      |
| Total 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    |
| BSIA           | HYDR | 48   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   | 24   |
| CEND           | HYDR | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   |
| HTRG           | PUAH | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   |
| HTRG           | TMBT | 3    | 3    | 3    | 3    | 3    | 3    | 4    | 4    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| KNRG           | HYDR | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| KNYR           | HYDR | 250  | 310  | 302  | 295  | 288  | 303  | 299  | 303  | 159  | 158  | 158  | 118  | 120  | 119  | 118  | 114  | 116  | 176  | 175  | 176  | 177  | 173  | 176  |      |
| MHDY           | MHDY | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   | 25   |
| PGAU           | HYDR | 18   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | 19   | 19   | 19   | -2   | -2   |      |
| SIHY           | HYDR | 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           | HYDR | 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           | HYDR | 168  | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 64   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   |
| UJLI           | HYDR | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   | -2   |
| Total Hydro    |      | 575  | 487  | 479  | 472  | 465  | 480  | 477  | 481  | 337  | 336  | 335  | 295  | 297  | 296  | 294  | 314  | 316  | 376  | 351  | 352  | 374  | 372  | 375  |      |

### 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  |
|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| ESTL                 | ESTL | 28    | 14    | 28    | 26    | 18    | 25    | 16    | 19    | 24    | 25    | 0     | 13    | 26    | 27    | 24    | 28    | 28    | 23    | 29    | 28    | 16    | 18    | 26    | 25    |
| PCUF                 | CUFG | 23    | 20    | 21    | 20    | 21    | 22    | 22    | 22    | 21    | 21    | 23    | 22    | 22    | 22    | 21    | 20    | 18    | 17    | 17    | 15    | 13    | 12    | 12    | 13    |
| PCUF                 | CUFK | 30    | 27    | 28    | 32    | 29    | 7     | 3     | 1     | 3     | 2     | 3     | 3     | 3     | 2     | 2     | 2     | 2     | 3     | 3     | 1     | 1     | 2     | 22    | 29    |
| PFTZ                 | PFTZ | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 1     | 2     | 4     | 4     | 4     | 4     | 4     | 4     |
| Total NEDA Co-Gen    |      | 81    | 61    | 77    | 78    | 76    | 47    | 50    | 39    | 43    | 47    | 51    | 25    | 39    | 51    | 51    | 49    | 51    | 50    | 43    | 49    | 50    | 40    | 38    | 44    |
| 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     |
| Total Generation     |      | 17727 | 17157 | 16925 | 16401 | 16133 | 15927 | 15561 | 15430 | 15222 | 15182 | 15138 | 14964 | 15073 | 14991 | 14725 | 14536 | 14830 | 15651 | 16042 | 16345 | 16664 | 16870 | 17013 | 17087 |
| KHTC                 | BLK1 | -44   | -44   | -40   | -42   | -39   | -40   | -41   | -39   | -37   | -35   | -35   | -37   | -33   | -33   | -32   | -31   | -34   | -40   | -40   | -43   | -48   | -53   | -54   | -56   |
| Total Franchise Area |      | -44   | -44   | -40   | -42   | -39   | -40   | -41   | -39   | -37   | -35   | -35   | -37   | -33   | -33   | -32   | -31   | -34   | -40   | -40   | -43   | -48   | -53   | -54   | -56   |
| Singapore            |      | -17   | -30   | 13    | 8     | 7     | 12    | 7     | 14    | 12    | 7     | 13    | -12   | -18   | -10   | -9    | -22   | -24   | -26   | -52   | -53   | -37   | -18   | -28   | -43   |
| Thailand             |      | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 31    | 30    | 30    | 31    | 31    | 30    | 30    | 31    | 31    | 30    | 30    | 30    | 30    | 31    | 31    | 31    | 31    |
| Interconnection      |      | 14    | 1     | 44    | 39    | 37    | 42    | 38    | 45    | 42    | 37    | 44    | 19    | 13    | 20    | 22    | 9     | 6     | 4     | -21   | -22   | -7    | 13    | 2     | -12   |
| Total Demand         |      | 17672 | 17115 | 16844 | 16323 | 16060 | 15848 | 15485 | 15349 | 15146 | 15113 | 15062 | 14911 | 15030 | 14941 | 14674 | 14500 | 14794 | 15611 | 16027 | 16328 | 16627 | 16808 | 16961 | 17047 |
| SRev ST-Coal         |      | 161   | 224   | 216   | 214   | 197   | 324   | 271   | 272   | 182   | 126   | 124   | 245   | 229   | 249   | 240   | 240   | 237   | 167   | 164   | 153   | 160   | 154   | 154   | 154   |
| SRev CCGT-Gas        |      | 831   | 772   | 927   | 1394  | 1360  | 1297  | 1552  | 1665  | 1633  | 1532  | 1741  | 1798  | 1751  | 1834  | 2109  | 2325  | 2157  | 1661  | 1465  | 1352  | 1238  | 1162  | 1119  | 1111  |
| SRev Co-Gen          |      | -2    | 0     | 0     | 0     | -1    | -1    | 1     | 2     | -1    | -1    | 0     | 0     | 0     | 0     | 0     | 0     | -1    | -1    | -2    | -3    | -1    | 0     | 0     | -2    |
| Syncon               |      | 978   | 890   | 890   | 890   | 890   | 890   | 890   | 890   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   | 991   |
| Hydro                |      | 202   | 141   | 149   | 156   | 163   | 148   | 151   | 147   | 190   | 191   | 192   | 232   | 230   | 231   | 232   | 212   | 210   | 251   | 276   | 275   | 404   | 406   | 403   | 274   |
| S.Reserve Total      |      | 2170  | 2027  | 2182  | 2654  | 2609  | 2658  | 2865  | 2976  | 2995  | 2839  | 3048  | 3266  | 3201  | 3305  | 3573  | 3856  | 3682  | 3056  | 2881  | 2755  | 2628  | 2549  | 2503  | 2515  |