

## Availability at Daily Maximum Demand Hour

|              |           |
|--------------|-----------|
| ST-Coal      | 0 MW      |
| ST-Gas       | 0 MW      |
| ST-Oil       | 0 MW      |
| Hydro        | 2,497 MW  |
| Distillate   | 0 MW      |
| Total TNB    | 2,497 MW  |
| Total IPP    | 15,175 MW |
| Total Co-Gen | 0 MW      |
| Total System | 19,932 MW |

## Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 19,148         | 5.22 %          |
| Gas                     | 39,583         | 10.79 %         |
| <b>Total TNB</b>        | <b>58,731</b>  | <b>16.01 %</b>  |
| ST-Coal                 | 199,332        | 54.33 %         |
| ST-Gas                  | 411            | 0.11 %          |
| LSS                     | 2,714          | 0.74 %          |
| Gas                     | 104,562        | 28.50 %         |
| <b>Total IPP</b>        | <b>307,019</b> | <b>83.69 %</b>  |
| Co-Gen                  | 1,224          | 0.33 %          |
| <b>Total Co-Gen</b>     | <b>1,224</b>   | <b>0.33 %</b>   |
| <b>Total Generation</b> | <b>366,974</b> | <b>100.03 %</b> |
| PLTG                    | 803            | 0.22 %          |
| HVDC                    | -696           | -0.19 %         |
| <b>Interconnection</b>  | <b>107</b>     | <b>0.03 %</b>   |
| <b>Net Energy</b>       | <b>366,867</b> | <b>100.00 %</b> |

## 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: | 15:30:00 Hour |
| Total Set On Bus              | 18,730 MW     |
| TNB Generation                | 2,476 MW      |
| IPP Generation                | 14,470 MW     |
| Spinning Reserve              | 1,736 MW      |
| Maximum Demand                | 17,010 MW     |
| Net Energy                    | 366,867 MWH   |
| Load Factor                   | 89.87 %       |

## Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 77,108,535.23 RM |
| Cost per Unit | 21.00 cents/kWH  |

## Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 380          |
| Hydro        | 418          |
| Syncon       | 565          |
| Thermal      | 229          |
| <b>Total</b> | <b>1,592</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot     | 33          |
| Morning   | Sunny   | 25          |

## Gas Usage

| Station          | (mmcsfd)   |
|------------------|------------|
| GLGR             | 50         |
| PGPS             | 21         |
| TJGS             | 95         |
| <b>Total TNB</b> | <b>166</b> |
| CBPS             | 25         |
| KLPP             | 96         |
| NPRI             | 141        |
| PGLA             | 106        |
| PLPS             | 69         |
| SGB3             | 36         |
| SGRI             | 36         |
| SKSP             | 47         |
| PKLG             | 4          |
| <b>Total IPP</b> | <b>560</b> |
| <b>Total Gas</b> | <b>726</b> |

**Total Gas Required 726**

## Alternate Fuel Usage

| Station      | (mmcsfd) |
|--------------|----------|
| <b>Total</b> | <b>0</b> |

## 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 | 14875 | 14136 | 13665 | 13300 | 12990 | 12868 | 13120 | 13195 | 13763 | 15448 | 16163 | 16587 | 16477 | 16247 | 16642 | 16979 | 16971 | 16584 | 15753 | 16196 | 16622 | 16279 | 15670 | 15416 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 6, 2021 6:53:27 PM

 (Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator

# 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| JMAH          | U002 | 707  | 703  | 707  | 705  | 707  | 705  | 708  | 708  | 707  | 704  | 704  | 710  | 705  | 707  | 704  | 706  | 707  | 701  | 708  | 703  | 708  | 705  | 703  | 706  | 705  | 703  | 706  | 705  | 706  | 706  | 702  | 702  | 707  | 708  | 704  | 702  | 708  | 706  | 702  | 704  |      |      |      |      |      |      |      |      |
| JMHE          | U001 | 979  | 930  | 900  | 893  | 891  | 886  | 891  | 850  | 849  | 851  | 850  | 850  | 847  | 852  | 831  | 849  | 849  | 961  | 980  | 978  | 980  | 985  | 981  | 976  | 975  | 977  | 979  | 979  | 979  | 981  | 976  | 977  | 975  | 978  | 978  | 979  | 980  | 984  | 979  | 979  | 980  | 977  | 983  |      |      |      |      |      |
| JMHE          | U002 | 978  | 928  | 889  | 892  | 891  | 888  | 891  | 851  | 848  | 852  | 851  | 848  | 848  | 852  | 862  | 849  | 848  | 940  | 978  | 979  | 980  | 982  | 982  | 976  | 978  | 979  | 980  | 982  | 980  | 980  | 982  | 978  | 980  | 978  | 979  | 975  | 981  | 977  | 980  | 982  | 984  | 978  | 985  | 980  | 981  | 978  | 981  |      |
| JMJG          | U002 | 672  | 672  | 675  | 672  | 672  | 672  | 673  | 673  | 669  | 677  | 672  | 673  | 671  | 672  | 674  | 668  | 673  | 671  | 673  | 671  | 673  | 674  | 670  | 671  | 671  | 668  | 675  | 672  | 672  | 673  | 672  | 672  | 672  | 673  | 668  | 673  | 673  | 671  | 674  | 671  | 673  | 673  | 672  | 672  | 672  | 672  |      |      |
| JMJG          | U003 | 668  | 664  | 667  | 667  | 666  | 668  | 666  | 666  | 666  | 667  | 666  | 668  | 670  | 666  | 665  | 663  | 668  | 666  | 668  | 670  | 668  | 666  | 666  | 666  | 668  | 665  | 667  | 667  | 666  | 666  | 660  | 666  | 664  | 663  | 666  | 664  | 666  | 666  | 668  | 662  | 665  | 666  | 668  | 667  | 666  | 669  | 667  |      |
| JMJG          | U004 | 979  | 932  | 920  | 888  | 888  | 888  | 889  | 852  | 849  | 849  | 851  | 850  | 852  | 850  | 851  | 850  | 852  | 897  | 953  | 977  | 977  | 975  | 976  | 976  | 974  | 974  | 972  | 974  | 974  | 975  | 973  | 973  | 972  | 976  | 977  | 974  | 977  | 976  | 975  | 977  | 972  | 973  | 976  | 976  | 973  | 977  | 978  |      |
| JMJG          | U005 | 892  | 892  | 892  | 890  | 888  | 892  | 890  | 850  | 849  | 853  | 849  | 848  | 851  | 851  | 852  | 853  | 854  | 891  | 895  | 891  | 890  | 890  | 887  | 889  | 892  | 888  | 890  | 889  | 891  | 889  | 892  | 887  | 891  | 890  | 891  | 890  | 888  | 933  | 949  | 960  | 965  | 952  | 892  | 892  | 889  | 890  | 888  |      |
| PKLG          | U004 | 274  | 272  | 272  | 267  | 272  | 272  | 274  | 274  | 273  | 273  | 272  | 274  | 272  | 272  | 272  | 272  | 272  | 273  | 272  | 277  | 274  | 272  | 270  | 274  | 271  | 272  | 272  | 270  | 266  | 268  | 264  | 262  | 261  | 265  | 263  | 264  | 268  | 271  | 271  | 274  | 269  | 274  | 273  | 271  | 275  | 273  | 275  |      |
| PKLG          | U005 | 470  | 466  | 463  | 464  | 472  | 461  | 467  | 468  | 469  | 461  | 468  | 470  | 466  | 462  | 465  | 468  | 474  | 470  | 463  | 457  | 463  | 473  | 465  | 470  | 466  | 466  | 462  | 465  | 468  | 463  | 464  | 466  | 470  | 466  | 467  | 465  | 466  | 476  | 472  | 466  | 464  | 475  | 471  | 468  | 463  | 468  | 466  |      |
| PKLG          | U006 | 452  | 449  | 447  | 448  | 447  | 447  | 444  | 444  | 444  | 447  | 446  | 445  | 446  | 448  | 447  | 446  | 448  | 391  | 327  | 331  | 331  | 330  | 328  | 329  | 332  | 330  | 330  | 330  | 331  | 329  | 330  | 397  | 439  | 446  | 451  | 449  | 453  | 453  | 451  | 446  | 443  | 436  | 450  | 451  | 449  | 448  | 449  | 447  |
| TBIN          | U002 | 701  | 702  | 702  | 702  | 708  | 698  | 705  | 699  | 703  | 702  | 700  | 702  | 702  | 700  | 699  | 703  | 702  | 701  | 698  | 702  | 701  | 702  | 701  | 701  | 703  | 703  | 702  | 702  | 702  | 699  | 701  | 702  | 701  | 700  | 703  | 699  | 701  | 701  | 699  | 700  | 698  | 703  | 697  | 703  | 700  | 700  | 702  | 701  |
| TBIN          | U003 | 699  | 700  | 700  | 699  | 700  | 703  | 699  | 698  | 697  | 701  | 700  | 697  | 702  | 698  | 701  | 700  | 704  | 700  | 700  | 694  | 697  | 701  | 699  | 698  | 699  | 701  | 699  | 700  | 703  | 700  | 702  | 700  | 699  | 702  | 701  | 699  | 702  | 705  | 701  | 699  | 700  | 700  | 701  | 698  | 702  | 701  | 701  | 705  |
| Total ST-Coal |      | 8471 | 8310 | 8234 | 8187 | 8202 | 8180 | 8195 | 8033 | 8024 | 8037 | 8030 | 8033 | 8034 | 8033 | 8025 | 8027 | 8051 | 8261 | 8316 | 8325 | 8346 | 8359 | 8332 | 8321 | 8340 | 8330 | 8334 | 8342 | 8342 | 8326 | 8336 | 8394 | 8431 | 8438 | 8448 | 8443 | 8438 | 8472 | 8499 | 8506 | 8521 | 8532 | 8518 | 8468 | 8459 | 8459 | 8458 | 8467 |
| 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    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |
| PKLG          | U002 | 146  | 146  | 146  | 146  | 146  | 83   | 9    | 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 ST-Gas  |      | 146  | 146  | 146  | 146  | 146  | 83   | 9    | 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    |      |
| CBPS          | BLK2 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9    | 18   | 17   | 63   | 72   | 73   | 69   | 97   | 365  | 370  | 372  | 375  | 372  | 362  | 362  | 362  | 366  | 352  | 361  | 366  | 361  | 362  | 355  | 343  | 341  | 335  | 344  | 331  | 338  |      |
| EMPP          | BLK1 | 755  | 755  | 755  | 756  | 735  | 503  | 503  | 503  | 206  | 375  | 375  | 374  | 375  | 375  | 376  | 375  | 375  | 375  | 375  | 375  | 374  | 374  | 375  | 374  | 374  | 375  | 373  | 375  | 375  | 375  | 375  | 376  | 203  | 201  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |
| EMPP          | BLK2 | 0    | 16   | 11   | 11   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 81   | 375  | 750  | 746  | 749  | 749  | 750  | 748  | 752  | 753  | 753  | 761  | 764  | 765  | 765  | 0    | 0    | 201  | 754  | 769  |      |      |
| GLGR          | GT01 | 68   | 67   | 69   | 69   | 68   | 67   | 70   | 69   | 69   | 69   | 69   | 68   | 69   | 67   | 68   | 68   | 79   | 101  | 101  | 100  | 100  | 99   | 100  | 98   | 100  | 102  | 100  | 99   | 99   | 99   | 101  | 101  | 100  | 101  | 79   | 69   | 67   | 69   | 70   | 101  | 100  | 100  | 91   | 92   | 92   | 93   | 66   | 69   |
| GLGR          | GT02 | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 69   | 69   | 68   | 81   | 101  | 101  | 100  | 100  | 100  | 100  | 100  | 100  | 101  | 100  | 101  | 100  | 101  | 100  | 101  | 79   | 68   | 68   | 68   | 71   | 101  | 100  | 100  | 92   | 92   | 93   | 93   | 66   | 68   |      |      |
| GLGR          | ST1C | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 73   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 85   | 71   | 71   | 71   | 91   | 91   | 91   | 88   | 87   | 87   | 87   | 74   | 71   |      |      |      |      |
| KLPP          | GT13 | 108  | 108  | 109  | 112  | 106  | 109  | 108  | 112  | 112  | 111  | 108  | 108  | 112  | 114  | 109  | 108  | 104  | 112  | 112  | 140  | 139  | 138  | 137  | 130  | 123  | 119  | 123  | 123  | 123  | 124  | 123  | 123  | 124  | 123  | 123  | 119  | 124  | 126  | 123  | 122  | 120  | 123  | 123  | 123  | 123  | 123  | 119  |      |
| KLPP          | GT14 | 112  | 113  | 112  | 117  | 112  | 116  | 115  | 118  | 117  | 117  | 113  | 117  | 117  | 112  | 112  | 117  | 116  | 148  | 147  | 150  | 144  | 154  | 156  | 158  | 157  | 157  | 157  | 157  | 158  | 157  | 158  | 155  | 157  | 156  | 157  | 119  | 156  | 154  | 155  | 155  | 155  | 155  | 156  | 156  | 121  | 120  |      |      |
| KLPP          | GT15 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 20   | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 135  | 0    |      |      |
| KLPP          | ST17 | 130  | 132  | 129  | 131  | 129  | 131  | 130  | 132  | 132  | 131  | 129  | 130  | 132  | 132  | 131  | 131  | 130  | 123  | 178  | 214  | 213  | 213  | 212  | 212  | 211  | 210  | 211  | 211  | 210  | 210  | 211  | 211  | 210  | 210  | 211  | 210  | 201  | 211  | 211  | 211  | 211  | 211  | 210  | 210  | 211  | 180  | 135  |      |
| NPRI          | BLK1 | 448  | 371  | 331  | 336  | 321  | 331  | 331  | 341  | 336  | 335  | 331  | 332  | 347  | 362  | 386  | 364  | 515  | 517  | 516  | 515  | 515  | 524  | 515  | 520  | 508  | 505  | 516  | 516  | 515  | 515  | 512  | 520  | 515  | 518  | 515  | 516  | 501  | 515  | 516  | 517  | 516  | 506  | 492  | 497  | 490  | 515  | 506  | 510  |
| NPRI          | BLK2 | 448  | 374  | 334  | 340  | 327  | 335  | 336  | 348  | 338  | 339  | 336  | 333  | 353  | 384  | 387  | 365  | 520  | 520  | 518  | 518  | 525  | 520  | 523  | 511  | 493  | 518  | 518  | 518  | 518  | 518  | 518  | 520  | 520  | 520  | 520  | 520  | 520  | 520  | 521  | 518  | 495  | 494  | 500  | 478  | 503  | 488  | 491  |      |
| PCGP          | PGRG | 605  | 603  | 504  | 370  | 350  | 361  | 262  | 274  | 359  | 269  | 263  | 262  | 269  | 524  | 504  | 603  | 601  | 605  | 603  | 605  | 604  | 611  | 604  | 609  | 594  | 592  | 603  | 604  | 604  | 601  | 598  | 604  | 603  | 606  | 602  | 585  | 602  | 604  | 605  | 602  | 591  | 565  | 571  | 595  | 602  | 595  | 597  |      |
| PGLA          | GT11 | 171  | 170  | 169  | 173  | 166  | 170  | 170  | 173  | 173  | 172  | 169  | 170  | 172  | 176  | 171  | 171  | 170  | 218  | 218  | 218  | 218  | 219  | 216  | 218  | 213  | 213  | 216  | 216  | 215  | 216  | 214  | 216  | 216  | 216  | 216  | 217  | 212  | 168  | 218  | 218  | 218  | 214  | 216  | 218  | 216  | 218  | 168  | 168  |
| PGLA          | GT12 | 175  | 173  | 174  | 177  | 171  | 174  | 174  | 178  | 175  | 175  | 175  | 174  | 177  | 180  | 174  | 175  | 223  | 222  | 223  | 222  | 223  | 221  | 222  | 219  | 217  | 221  | 221  | 220  | 220  | 220  | 222  | 220  | 220  | 220  | 220  | 216  | 172  | 222  | 222  | 222  | 220  | 221  | 223  | 221  | 222  | 172  | 172  |      |
| PGLA          | ST10 | 205  | 204  | 202  | 205  | 203  | 205  | 205  | 206  | 206  | 205  | 205  | 205  | 208  | 208  | 205  | 205  | 205  | 240  | 240  | 239  | 239  | 242  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

### Daily MW Generation on Wednesday

[illegible]

### 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  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| JSL5            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 7     | 12    | 23    | 16    | 43    | 33    | 47    | 36    | 50    | 46    | 29    | 43    | 39    | 44    | 34    | 31    | 30    | 23    | 5     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |       |
| KKLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 6     | 10    | 21    | 25    | 29    | 26    | 30    | 37    | 34    | 43    | 50    | 51    | 18    | 6     | 9     | 6     | 8     | 5     | 1     | 1     | 2     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| KRLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 4     | 4     | 9     | 12    | 10    | 19    | 19    | 24    | 20    | 8     | 8     | 12    | 12    | 7     | 9     | 10    | 10    | 4     | 6     | 4     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| MCLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 2     | 5     | 7     | 10    | 12    | 22    | 50    | 50    | 47    | 50    | 43    | 36    | 35    | 25    | 45    | 40    | 35    | 28    | 21    | 14    | 7     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| SPLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 2     | 6     | 3     | 14    | 29    | 35    | 52    | 49    | 39    | 22    | 33    | 20    | 37    | 29    | 20    | 21    | 27    | 20    | 22    | 19    | 4     | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| SSLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 2     | 5     | 9     | 13    | 10    | 27    | 23    | 23    | 33    | 45    | 18    | 2     | 2     | 5     | 26    | 23    | 13    | 27    | 11    | 7     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| STLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 3     | 2     | 5     | 8     | 13    | 13    | 24    | 23    | 28    | 12    | 19    | 14    | 11    | 21    | 18    | 14    | 10    | 6     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |
| TBLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 11    | 11    | 14    | 30    | 14    | 27    | 23    | 24    | 16    | 17    | 18    | 30    | 30    | 30    | 30    | 30    | 19    | 15    | 12    | 8     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |
| Total LSS       |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 10    | 46    | 87    | 133   | 214   | 263   | 338   | 391   | 437   | 418   | 415   | 387   | 317   | 303   | 304   | 295   | 275   | 261   | 216   | 161   | 107   | 44    | 12    | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| PCUF            | CUFG | 29    | 27    | 30    | 29    | 29    | 28    | 28    | 29    | 29    | 29    | 28    | 28    | 29    | 29    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 28    | 27    | 26    | 25    | 24    | 26    | 25    | 26    | 27    | 27    | 26    | 27    | 26    | 27    | 26    | 28    | 28    | 29    | 28    | 29    | 28    |       |       |
| PCUF            | CUFK | 25    | 25    | 27    | 25    | 26    | 24    | 26    | 28    | 26    | 26    | 25    | 26    | 27    | 25    | 26    | 25    | 21    | 21    | 21    | 23    | 22    | 20    | 21    | 22    | 21    | 21    | 22    | 21    | 23    | 21    | 21    | 22    | 22    | 22    | 20    | 22    | 23    | 22    | 21    | 22    | 22    | 23    | 21    | 14    |       |       |       |       |
| Total Co-Gen    |      | 54    | 52    | 57    | 54    | 55    | 52    | 54    | 57    | 55    | 55    | 54    | 54    | 55    | 56    | 55    | 56    | 53    | 56    | 54    | 49    | 50    | 50    | 51    | 50    | 48    | 49    | 51    | 49    | 49    | 47    | 48    | 45    | 47    | 46    | 48    | 49    | 49    | 46    | 49    | 49    | 50    | 49    | 51    | 50    | 50    | 50    | 42    |       |
| Total Gen       |      | 14916 | 14450 | 14113 | 13849 | 13709 | 13465 | 13305 | 13154 | 12983 | 12937 | 12891 | 12867 | 13069 | 13305 | 13209 | 13265 | 13746 | 14698 | 15445 | 15828 | 16173 | 16457 | 16548 | 16579 | 16413 | 16130 | 16196 | 16551 | 16610 | 16873 | 16973 | 16994 | 16969 | 17018 | 16630 | 16169 | 15793 | 15643 | 16249 | 16716 | 16648 | 16496 | 16287 | 16113 | 15695 | 15607 | 15458 | 14972 |
| 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     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |
| TIE-HVDC        |      | -28   | -30   | -30   | -29   | -29   | -28   | -28   | -29   | -29   | -29   | -29   | -29   | -28   | -28   | -29   | -29   | -28   | -30   | -31   | -28   | -28   | -28   | -31   | -28   | -30   | -30   | -30   | -30   | -28   | -28   | -28   | -29   | -29   | -30   | -30   | -30   | -28   | -28   | -30   | -28   | -28   | -29   | -29   | -29   | -29   |       |       |       |
| TIE-PLTG        |      | 77    | 61    | 14    | 17    | 80    | 69    | 41    | 12    | 29    | 35    | 59    | 38    | -16   | -16   | 50    | 14    | 18    | 4     | 33    | 53    | 45    | 26    | -1    | -41   | -29   | -62   | -14   | 71    | 5     | -15   | 31    | 21    | 33    | 61    | 81    | 73    | 76    | 43    | 90    | 55    | 61    | 10    | 45    | 43    | 60    | 46    | 78    | 41    |
| Interconnection |      | 48    | 31    | -16   | -12   | 51    | 41    | 12    | -17   | 0     | 5     | 30    | 9     | -44   | -45   | 21    | -14   | -10   | -25   | 4     | 24    | 17    | -4    | -32   | -70   | -57   | -90   | -44   | 43    | -25   | -45   | 1     | -9    | 5     | 33    | 53    | 44    | 47    | 13    | 60    | 25    | 33    | -18   | 15    | 14    | 32    | 17    | 49    | 12    |
| System Total    |      | 14875 | 14426 | 14136 | 13868 | 13665 | 13431 | 13300 | 13178 | 12990 | 12939 | 12868 | 12865 | 13120 | 13357 | 13195 | 13286 | 13763 | 14730 | 15448 | 15811 | 16163 | 16468 | 16587 | 16656 | 16477 | 16227 | 16247 | 16515 | 16642 | 16925 | 16979 | 17010 | 16971 | 16992 | 16584 | 16132 | 15753 | 15637 | 16196 | 16698 | 16622 | 16521 | 16279 | 16106 | 15670 | 15597 | 15416 | 14967 |
| SRev ST-Coal    |      | 143   | 304   | 369   | 391   | 373   | 387   | 383   | 426   | 428   | 420   | 428   | 418   | 420   | 427   | 432   | 424   | 402   | 341   | 298   | 289   | 268   | 255   | 282   | 293   | 274   | 284   | 280   | 272   | 272   | 288   | 278   | 220   | 183   | 176   | 166   | 171   | 176   | 142   | 175   | 168   | 163   | 166   | 166   | 175   | 155   | 156   | 147   |       |
| SRev CCGT-Gas   |      | 1078  | 1374  | 1563  | 1655  | 1764  | 1675  | 1772  | 1718  | 1652  | 1799  | 1826  | 1850  | 1713  | 1383  | 1428  | 1370  | 972   | 674   | 575   | 420   | 295   | 377   | 307   | 239   | 341   | 376   | 388   | 380   | 292   | 295   | 311   | 266   | 300   | 286   | 504   | 539   | 651   | 792   | 432   | 285   | 322   | 396   | 581   | 517   | 604   | 468   | 879   | 990   |
| 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     |       |
| SRev ST-Gas     |      | 34    | 38    | 38    | 38    | 38    | 34    | 30    | 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 CCGT-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     |
| 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     |
| Syncon          |      | 952   | 952   | 952   | 1140  | 1140  | 1140  | 1241  | 989   | 1241  | 1241  | 1241  | 1241  | 1241  | 1241  | 1053  | 626   | 590   | 277   | 277   | 277   | 464   | 464   | 651   | 777   | 626   | 590   | 590   | 864   | 864   | 864   | 777   | 777   | 864   | 713   | 965   | 777   | 590   | 590   | 590   | 464   | 338   | 464   | 738   | 738   | 738   |       |       |       |
| Hydro           |      | 341   | 362   | 387   | 243   | 258   | 254   | 258   | 196   | 378   | 207   | 217   | 220   | 157   | 101   | 143   | 157   | 187   | 128   | 269   | 207   | 519   | 458   | 513   | 397   | 459   | 509   | 384   | 421   | 329   | 344   | 327   | 387   | 400   | 295   | 417   | 353   | 582   | 342   | 298   | 285   | 482   | 574   | 860   | 410   | 305   | 331   | 478   | 420   |
| S.Reserve Total |      | 2548  | 3030  | 3309  | 3467  | 3573  | 3490  | 3583  | 3581  | 3447  | 3667  | 3712  | 3729  | 3531  | 3152  | 3244  | 3192  | 2802  | 2196  | 1768  | 1506  | 1359  | 1367  | 1379  | 1393  | 1538  | 1820  | 1829  | 1627  | 1483  | 1517  | 1780  | 1737  | 1747  | 1534  | 1864  | 1927  | 2122  | 2241  | 1682  | 1328  | 1557  | 1712  | 2071  | 1431  | 1548  | 1692  | 2251  | 2295  |