

## 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    | 15,073 MW |
| Total Co-Gen | 0 MW      |
| Total System | 19,830 MW |

## Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 19,260         | 5.12 %          |
| Gas                     | 38,975         | 10.37 %         |
| <b>Total TNB</b>        | <b>58,235</b>  | <b>15.49 %</b>  |
| ST-Coal                 | 195,743        | 52.08 %         |
| ST-Gas                  | 3,619          | 0.96 %          |
| LSS                     | 3,156          | 0.84 %          |
| Gas                     | 113,934        | 30.31 %         |
| <b>Total IPP</b>        | <b>316,452</b> | <b>84.20 %</b>  |
| Co-Gen                  | 1,287          | 0.34 %          |
| <b>Total Co-Gen</b>     | <b>1,287</b>   | <b>0.34 %</b>   |
| <b>Total Generation</b> | <b>375,974</b> | <b>100.03 %</b> |
| PLTG                    | 825            | 0.22 %          |
| HVDC                    | -694           | -0.18 %         |
| <b>Interconnection</b>  | <b>131</b>     | <b>0.03 %</b>   |
| <b>Net Energy</b>       | <b>375,843</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: | 14:30:00 Hour |
| Total Set On Bus              | 19,259 MW     |
| TNB Generation                | 2,871 MW      |
| IPP Generation                | 14,864 MW     |
| Spinning Reserve              | 1,471 MW      |
| Maximum Demand                | 17,803 MW     |
| Net Energy                    | 375,843 MWH   |
| Load Factor                   | 87.96 %       |

## Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 78,897,959.91 RM |
| Cost per Unit | 20.97 cents/kWH  |

## Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 439          |
| Hydro        | 395          |
| Syncon       | 596          |
| Thermal      | 267          |
| <b>Total</b> | <b>1,697</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Rainy   | 29          |
| Morning   | Cloudy  | 28          |

## Gas Usage

| Station          | (mmcsfd)   |
|------------------|------------|
| GLGR             | 50         |
| PGPS             | 23         |
| TJGS             | 95         |
| <b>Total TNB</b> | <b>168</b> |
| CBPS             | 21         |
| KLPP             | 88         |
| NPRI             | 142        |
| PGLA             | 105        |
| PLPS             | 74         |
| SGB3             | 36         |
| SGRI             | 52         |
| SKSP             | 48         |
| PKLG             | 37         |
| <b>Total IPP</b> | <b>603</b> |
| <b>Total Gas</b> | <b>770</b> |

**Total Gas Required 770**

## 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 | 15389 | 14637 | 14068 | 13711 | 13313 | 13118 | 13251 | 13208 | 13873 | 15618 | 16489 | 17072 | 17179 | 16957 | 17610 | 17688 | 17610 | 17144 | 16187 | 16527 | 16799 | 16537 | 16004 | 15542 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 6, 2021 6:52:39 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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| JMAH          | U002 | 709  | 705  | 709  | 707  | 707  | 704  | 707  | 708  | 707  | 704  | 703  | 654  | 655  | 701  | 714  | 699  | 704  | 705  | 700  | 698  | 706  | 708  | 709  | 708  | 706  | 710  | 704  | 708  | 707  | 703  | 705  | 706  | 705  | 706  | 707  | 706  | 705  | 706  | 707  | 704  | 702  | 701  | 707  | 706  | 707  |     |     |     |     |     |     |
| JMHE          | U001 | 973  | 977  | 900  | 881  | 851  | 848  | 853  | 850  | 849  | 850  | 852  | 854  | 850  | 851  | 854  | 851  | 850  | 951  | 979  | 979  | 981  | 980  | 978  | 975  | 980  | 977  | 978  | 983  | 978  | 981  | 979  | 971  | 981  | 981  | 978  | 978  | 981  | 980  | 977  | 979  | 980  | 982  | 976  | 982  | 977  | 978 | 980 | 978 |     |     |     |
| JMHE          | U002 | 975  | 980  | 898  | 873  | 851  | 849  | 852  | 850  | 849  | 849  | 852  | 853  | 852  | 850  | 854  | 840  | 850  | 973  | 979  | 980  | 980  | 979  | 981  | 977  | 980  | 978  | 979  | 984  | 979  | 981  | 981  | 973  | 982  | 977  | 978  | 975  | 976  | 978  | 976  | 979  | 977  | 979  | 974  | 980  | 975  | 978 | 978 | 976 |     |     |     |
| JMJG          | U002 | 637  | 637  | 592  | 598  | 594  | 620  | 689  | 671  | 671  | 672  | 668  | 674  | 671  | 673  | 672  | 675  | 673  | 672  | 673  | 670  | 673  | 672  | 672  | 673  | 673  | 677  | 671  | 672  | 673  | 671  | 672  | 673  | 674  | 672  | 674  | 672  | 673  | 672  | 673  | 674  | 673  | 673  | 674  | 678  | 670  | 677 | 677 | 672 |     |     |     |
| JMJG          | U003 | 669  | 666  | 666  | 667  | 668  | 665  | 666  | 666  | 666  | 666  | 664  | 668  | 662  | 664  | 668  | 665  | 667  | 668  | 664  | 664  | 667  | 665  | 666  | 666  | 668  | 666  | 666  | 668  | 668  | 667  | 668  | 667  | 667  | 665  | 668  | 668  | 666  | 667  | 671  | 667  | 671  | 664  | 664  | 668  | 660  | 668 | 666 | 666 |     |     |     |
| JMJG          | U004 | 830  | 844  | 831  | 831  | 819  | 839  | 849  | 848  | 848  | 848  | 848  | 851  | 848  | 850  | 850  | 848  | 850  | 890  | 912  | 917  | 915  | 931  | 946  | 958  | 959  | 968  | 967  | 965  | 953  | 955  | 944  | 952  | 953  | 955  | 952  | 952  | 952  | 952  | 953  | 953  | 955  | 954  | 952  | 952  | 965  | 975 | 978 | 977 | 975 |     |     |
| JMJG          | U005 | 890  | 890  | 890  | 892  | 892  | 890  | 892  | 891  | 890  | 891  | 888  | 895  | 892  | 892  | 892  | 891  | 892  | 892  | 890  | 887  | 894  | 892  | 895  | 892  | 892  | 890  | 889  | 891  | 890  | 892  | 892  | 891  | 891  | 890  | 888  | 891  | 892  | 895  | 892  | 894  | 887  | 890  | 888  | 894  | 892  | 892 | 890 | 891 |     |     |     |
| PKLG          | U004 | 276  | 267  | 271  | 273  | 275  | 277  | 254  | 154  | 156  | 213  | 258  | 185  | 156  | 156  | 186  | 253  | 265  | 273  | 271  | 276  | 270  | 267  | 267  | 267  | 270  | 270  | 268  | 255  | 248  | 257  | 262  | 264  | 257  | 261  | 262  | 266  | 267  | 269  | 270  | 270  | 271  | 272  | 274  | 275  | 267  | 273 | 276 |     |     |     |     |
| PKLG          | U005 | 466  | 466  | 466  | 464  | 466  | 467  | 441  | 373  | 274  | 298  | 303  | 267  | 269  | 270  | 293  | 389  | 464  | 462  | 464  | 463  | 466  | 462  | 465  | 462  | 460  | 459  | 463  | 462  | 460  | 463  | 464  | 461  | 462  | 462  | 463  | 472  | 474  | 466  | 466  | 472  | 466  | 467  | 468  | 468  | 466  | 462 | 466 | 468 |     |     |     |
| PKLG          | U006 | 267  | 269  | 269  | 269  | 269  | 268  | 268  | 268  | 269  | 268  | 269  | 268  | 268  | 269  | 269  | 267  | 269  | 269  | 269  | 269  | 269  | 269  | 269  | 268  | 282  | 352  | 436  | 449  | 450  | 447  | 446  | 446  | 447  | 446  | 448  | 450  | 448  | 449  | 450  | 448  | 447  | 446  | 446  | 449  | 447  | 451 | 450 | 449 |     |     |     |
| TBIN          | U002 | 701  | 705  | 700  | 701  | 701  | 701  | 702  | 702  | 698  | 703  | 693  | 652  | 653  | 703  | 705  | 701  | 702  | 699  | 699  | 699  | 702  | 704  | 703  | 701  | 703  | 702  | 702  | 703  | 702  | 704  | 703  | 703  | 702  | 701  | 703  | 699  | 695  | 703  | 701  | 701  | 706  | 701  | 702  | 700  | 696  | 699 | 699 | 706 |     |     |     |
| TBIN          | U003 | 698  | 698  | 700  | 699  | 699  | 700  | 700  | 700  | 706  | 698  | 691  | 652  | 651  | 701  | 702  | 699  | 700  | 702  | 700  | 698  | 698  | 700  | 701  | 699  | 702  | 700  | 699  | 700  | 699  | 699  | 700  | 701  | 699  | 700  | 699  | 700  | 702  | 699  | 701  | 700  | 701  | 701  | 700  | 699  | 702  | 699 |     |     |     |     |     |
| Total ST-Coal |      | 8091 | 8104 | 7892 | 7855 | 7792 | 7828 | 7873 | 7681 | 7583 | 7660 | 7689 | 7473 | 7427 | 7580 | 7659 | 7778 | 7886 | 8156 | 8200 | 8200 | 8221 | 8229 | 8252 | 8246 | 8275 | 8349 | 8422 | 8440 | 8407 | 8422 | 8415 | 8421 | 8431 | 8423 | 8439 | 8437 | 8443 | 8438 | 8432 | 8421 | 8461 | 8434 | 8456 | 8464 | 8463 |     |     |     |     |     |     |
| 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   |     |     |     |     |     |
| PKLG          | U002 | 146  | 147  | 147  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 170  | 203  | 203  | 203  | 181  | 146  | 146 | 146 | 146 |     |     |     |
| Total ST-Gas  |      | 146  | 147  | 147  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146  | 146 |     |     |     |     |     |
| CBPS          | BLK2 | 349  | 354  | 243  | 226  | 221  | 220  | 224  | 224  | 223  | 217  | 218  | 230  | 225  | 223  | 214  | 225  | 225  | 351  | 360  | 360  | 361  | 361  | 361  | 0    | 0    | 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 | 0    | 76   | 289  | 287  | 304  | 380  | 493  | 492  | 441  | 328  | 331  | 342  | 338  | 203  | 207  | 183  | 184  | 178  | 182  | 184  | 183  | 291  | 311  | 315  | 325  | 331  | 429  | 603  | 745  | 743  | 649  | 196  | 200  | 198  | 197  | 198  | 420  | 737  | 750  | 751  | 752  | 751  | 753  | 754  | 755  | 754 | 757 | 755 |     |     |     |
| EMPP          | BLK2 | 500  | 768  | 765  | 765  | 765  | 767  | 765  | 766  | 766  | 768  | 767  | 765  | 766  | 765  | 501  | 375  | 747  | 617  | 762  | 762  | 761  | 746  | 761  | 375  | 375  | 451  | 450  | 450  | 375  | 727  | 747  | 749  | 749  | 748  | 749  | 748  | 375  | 375  | 376  | 375  | 375  | 374  | 373  | 166  | 0    | 0   | 0   | 11  |     |     |     |
| GLGR          | GT01 | 67   | 69   | 67   | 70   | 67   | 68   | 69   | 68   | 69   | 67   | 68   | 69   | 69   | 68   | 69   | 68   | 68   | 68   | 69   | 97   | 100  | 100  | 100  | 98   | 100  | 99   | 99   | 100  | 101  | 100  | 100  | 99   | 100  | 100  | 100  | 99   | 100  | 100  | 99   | 100  | 65   | 84   | 100  | 100  | 99   | 85  | 66  | 68  | 68  | 68  |     |
| GLGR          | GT02 | 68   | 68   | 68   | 68   | 68   | 69   | 69   | 68   | 68   | 68   | 68   | 68   | 68   | 69   | 68   | 68   | 68   | 68   | 69   | 97   | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 66   | 86   | 101  | 100  | 100  | 100  | 85  | 68  | 68  | 69  | 68  |     |
| GLGR          | ST1C | 71   | 71   | 71   | 71   | 72   | 71   | 71   | 72   | 71   | 71   | 72   | 71   | 72   | 72   | 72   | 71   | 71   | 71   | 71   | 85   | 91   | 91   | 91   | 92   | 91   | 91   | 91   | 92   | 92   | 91   | 91   | 91   | 92   | 92   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 87   | 72   | 71   | 71  | 71  | 71  |     |     |     |
| KLPP          | GT13 | 111  | 105  | 60   | 56   | 61   | 60   | 60   | 59   | 60   | 60   | 59   | 65   | 64   | 63   | 61   | 63   | 63   | 108  | 106  | 112  | 112  | 138  | 139  | 138  | 138  | 138  | 139  | 138  | 138  | 139  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138  | 138 | 138 | 138 | 138 | 138 |     |
| KLPP          | GT14 | 109  | 112  | 75   | 75   | 71   | 71   | 71   | 75   | 75   | 71   | 70   | 78   | 77   | 74   | 75   | 76   | 75   | 110  | 125  | 124  | 120  | 140  | 144  | 156  | 156  | 157  | 145  | 150  | 149  | 142  | 146  | 146  | 148  | 148  | 142  | 142  | 142  | 126  | 156  | 155  | 155  | 155  | 155  | 156  | 156  | 120 | 112 | 112 |     |     |     |
| KLPP          | GT15 | 130  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 50   | 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 | 135 | 135 | 135 |     |
| KLPP          | ST17 | 201  | 131  | 98   | 92   | 91   | 90   | 89   | 92   | 91   | 90   | 90   | 95   | 95   | 94   | 90   | 94   | 95   | 117  | 132  | 125  | 199  | 211  | 212  | 212  | 212  | 212  | 210  | 211  | 211  | 210  | 210  | 211  | 211  | 211  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210  | 210 | 210 | 210 | 210 | 210 | 210 |
| NPRI          | BLK1 | 499  | 510  | 517  | 517  | 511  | 372  | 350  | 350  | 349  | 345  | 347  | 358  | 356  | 349  | 359  | 347  | 349  | 508  | 517  | 519  | 515  | 514  | 516  | 514  | 515  | 507  | 514  | 519  | 517  | 517  | 516  | 516  | 522  | 521  | 509  | 502  | 508  | 517  | 519  | 515  | 514  | 517  | 503  | 512  | 502  | 530 | 515 | 514 |     |     |     |
| NPRI          | BLK2 | 500  | 513  | 398  | 370  | 314  | 310  | 320  | 320  | 319  | 314  | 316  | 327  | 326  | 319  | 362  | 348  | 349  | 510  | 518  | 518  | 515  | 518  | 515  | 518  | 510  | 517  | 520  | 523  | 517  | 518  | 519  | 519  | 522  | 513  | 505  | 512  | 520  | 521  | 518  | 517  | 520  | 508  | 518  | 507  | 532  | 517 | 517 |     |     |     |     |
| PCGP          | PGRG | 578  | 595  | 604  | 602  | 597  | 452  | 264  | 261  | 263  | 262  | 260  | 272  | 272  | 263  | 413  | 501  | 404  | 593  | 605  | 602  | 603  | 599  | 603  | 599  | 603  | 599  | 604  | 608  | 604  | 602  | 602  | 607  | 607  | 599  | 592  | 597  | 447  | 163  | 161  | 163  | 161  | 241  | 585  | 596  | 622  | 601 | 601 |     |     |     |     |
| PGLA          | GT11 | 197  | 167  | 168  | 169  | 166  | 166  | 168  | 168  | 168  | 167  | 167  | 173  | 172  | 170  | 166  | 169  | 169  | 165  | 169  | 215  | 216  | 214  | 214  | 213  | 215  | 212  | 214  | 215  | 214  | 215  | 216  | 216  | 217  | 217  | 213  | 211  | 213  | 187  | 218  | 217  | 217  | 216  | 214  | 215  | 212  | 192 | 186 | 170 |     |     |     |
| PGLA          | GT12 | 202  | 170  | 173  | 172  | 171  | 170  | 172  | 173  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |

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## 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  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GNLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 6     | 12    | 22    | 21    | 29    | 38    | 33    | 46    | 45    | 38    | 50    | 39    | 50    | 13    | 13    | 14    | 9     | 2     | 2     | 3     | 4     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |       |
| JELS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 4     | 5     | 12    | 18    | 22    | 24    | 27    | 27    | 29    | 27    | 18    | 16    | 10    | 6     | 18    | 5     | 0     | 1     | 4     | 4     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| JSLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4     | 8     | 14    | 20    | 26    | 26    | 22    | 36    | 43    | 24    | 45    | 30    | 26    | 32    | 47    | 23    | 22    | 6     | 3     | 3     | 3     | 2     | 1     | 0     | 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     | 0     | 1     | 4     | 11    | 15    | 22    | 23    | 33    | 28    | 37    | 43    | 47    | 39    | 39    | 45    | 48    | 45    | 32    | 9     | 3     | 2     | 2     | 2     | 0     | 0     | 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     | 0     | 2     | 5     | 9     | 11    | 18    | 21    | 25    | 28    | 27    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 29    | 14    | 10    | 8     | 2     | 0     | 0     | 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     | 0     | 2     | 11    | 17    | 26    | 34    | 31    | 37    | 50    | 50    | 50    | 50    | 37    | 23    | 51    | 50    | 44    | 40    | 35    | 26    | 25    | 8     | 4     | 2     | 2     | 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     | 0     | 3     | 11    | 18    | 18    | 33    | 33    | 20    | 49    | 52    | 52    | 52    | 52    | 36    | 11    | 7     | 5     | 5     | 5     | 6     | 3     | 2     | 1     | 0     | 0     | 0     | 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     | 0     | 2     | 4     | 7     | 13    | 18    | 23    | 33    | 37    | 23    | 41    | 39    | 44    | 31    | 34    | 13    | 27    | 15    | 25    | 4     | 6     | 3     | 0     | 0     | 0     | 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     | 2     | 5     | 8     | 12    | 16    | 20    | 22    | 21    | 7     | 28    | 22    | 9     | 24    | 6     | 15    | 24    | 17    | 16    | 10    | 4     | 1     | 0     | 0     | 0     | 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     | 0     | 2     | 5     | 16    | 14    | 30    | 28    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 30    | 28    | 7     | 18    | 18    | 7     | 1     | 1     | 0     | 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     | 0     | 0     | 24    | 82    | 160   | 223   | 323   | 369   | 407   | 447   | 475   | 509   | 511   | 446   | 430   | 453   | 346   | 338   | 277   | 179   | 131   | 100   | 48    | 25    | 10    | 4     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| PCUF            | CUFG | 29    | 28    | 29    | 30    | 28    | 28    | 29    | 29    | 28    | 28    | 30    | 28    | 28    | 29    | 28    | 28    | 28    | 29    | 28    | 29    | 28    | 28    | 29    | 28    | 28    | 29    | 29    | 28    | 30    | 28    | 28    | 29    | 29    | 28    | 28    | 29    | 28    | 30    | 29    | 29    | 28    | 28    | 29    | 29    | 29    | 29    | 29    | 29    | 29    |       |
| PCUF            | CUFK | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    |       |       |
| Total Co-Gen    |      | 54    | 53    | 54    | 55    | 53    | 53    | 54    | 54    | 53    | 54    | 53    | 53    | 55    | 53    | 53    | 54    | 53    | 54    | 53    | 54    | 53    | 53    | 53    | 54    | 53    | 53    | 54    | 54    | 53    | 55    | 53    | 53    | 54    | 54    | 53    | 53    | 54    | 53    | 55    | 55    | 54    | 54    | 54    | 53    | 53    | 54    | 54    | 54    |       |       |
| Total Gen       |      | 15400 | 14930 | 14574 | 14263 | 14111 | 13868 | 13681 | 13402 | 13296 | 13229 | 13118 | 13222 | 13212 | 13394 | 13159 | 13383 | 13864 | 14981 | 15559 | 16124 | 16445 | 16859 | 17038 | 17241 | 17137 | 17056 | 16972 | 17337 | 17611 | 17788 | 17697 | 17640 | 17582 | 17624 | 17180 | 16675 | 16246 | 16055 | 16556 | 16944 | 16881 | 16706 | 16558 | 16387 | 16058 | 15790 | 15585 | 15305 | 15305 | 15305 |
| 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     | 0     | 0     | 0     | 0     |
| TIE-HVDC        |      | -28   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -28   | -28   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   | -29   | -31   | -28   | -31   | -28   | -28   | -30   | -30   | -28   | -28   | -28   | -28   | -28   | -28   | -28   | -28   | -28   | -28   | -30   | -28   | -28   | -30   | -30   | -30   | -30   | -30   | -28   | -28   | -28   |       |       |
| TIE-PLTG        |      | 46    | 20    | -27   | -30   | 78    | 67    | 5     | 6     | 19    | 60    | 35    | 8     | -3    | 23    | -13   | 12    | 27    | 18    | -23   | -47   | -8    | 36    | 4     | 28    | -4    | 50    | 53    | 3     | 35    | 21    | 45    | 114   | 7     | 8     | 71    | 117   | 95    | 70    | 64    | 34    | 117   | 3     | 57    | 27    | 90    | 44    | 77    | 108   | 108   |       |
| Interconnection |      | 18    | -9    | -56   | -58   | 50    | 39    | -23   | -24   | -10   | 31    | 7     | -22   | -32   | -6    | -42   | -17   | -2    | -10   | -52   | -76   | -37   | 6     | -27   | -1    | -35   | 22    | 22    | -25   | 7     | -9    | 15    | 86    | -21   | -20   | 43    | 89    | 66    | 42    | 36    | 4     | 89    | -25   | 28    | -3    | 61    | 14    | 50    | 80    | 80    |       |
| System Total    |      | 15389 | 14946 | 14637 | 14328 | 14068 | 13836 | 13711 | 13433 | 13313 | 13205 | 13118 | 13251 | 13251 | 13407 | 13208 | 13407 | 13873 | 14998 | 15618 | 16207 | 16489 | 16860 | 17072 | 17249 | 17179 | 17041 | 16957 | 17362 | 17610 | 17803 | 17688 | 17560 | 17610 | 17651 | 17144 | 16593 | 16187 | 16020 | 16527 | 16947 | 16799 | 16738 | 16537 | 16397 | 16004 | 15783 | 15542 | 15232 | 15232 | 15232 |
| SRev ST-Coal    |      | 274   | 261   | 520   | 513   | 525   | 484   | 555   | 594   | 595   | 600   | 623   | 737   | 750   | 599   | 580   | 604   | 543   | 410   | 385   | 385   | 364   | 356   | 333   | 339   | 310   | 236   | 163   | 145   | 171   | 165   | 170   | 178   | 163   | 170   | 164   | 154   | 162   | 146   | 148   | 142   | 147   | 153   | 164   | 124   | 151   | 129   | 121   | 122   | 122   |       |
| SRev CCGT-Gas   |      | 785   | 1030  | 1332  | 1442  | 1528  | 1818  | 2162  | 2357  | 2345  | 2243  | 2388  | 2202  | 2182  | 1946  | 1906  | 1719  | 1826  | 1007  | 796   | 520   | 540   | 413   | 333   | 259   | 478   | 329   | 297   | 249   | 253   | 276   | 278   | 218   | 190   | 192   | 295   | 345   | 379   | 918   | 796   | 709   | 738   | 732   | 714   | 505   | 615   | 729   | 928   | 866   | 866   | 866   |
| 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     | 0     | 0     |
| SRev ST-Gas     |      | 33    | 33    | 33    | 34    | 34    | 33    | 34    | 34    | 34    | 33    | 33    | 33    | 33    | 33    | 38    | 38    | 38    | 35    | 35    | 35    | 35    | 35    | 34    | 34    | 34    | 34    | 34    | 34    | 34    | 34    | 38    | 39    | 39    | 39    | 39    | 38    | 38    | 38    | 38    | 40    | 42    | 37    | 37    | 37    | 34    | 34    | 34    | 34    | 34    |       |
| 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     | 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     | 0     |
| Syncon          |      | 651   | 965   | 965   | 1066  | 1066  | 1066  | 1066  | 915   | 1066  | 1066  | 1066  | 1066  | 1066  | 1066  | 1153  | 1153  | 1153  | 814   | 965   | 965   | 864   | 777   | 777   | 0     | 151   | 777   | 777   | 777   | 777   | 590   | 651   | 651   | 338   | 338   | 151   | 338   | 500   | 864   | 864   | 590   | 277   | 464   | 777   | 777   | 878   | 878   | 864   | 952   | 801   | 801   |
| Hydro           |      | 435   | 261   | 93    | 205   | 227   | 267   | 266   | 158   | 279   | 261   | 133   | 118   | 186   | 277   | 258   | 211   | 464   | 200   | 165   | 208   | 242   | 241   | 607   | 773   | 305   | 428   | 287   | 356   | 347   | 352   | 409   | 416   | 501   | 631   | 684   | 381   | 352   | 250   | 542   | 520   | 231   | 384   | 473   | 465   | 338   | 267   | 401   | 401   | 401   |       |
| S.Reserve Total |      | 2178  | 2550  | 2943  | 3260  | 3380  | 3668  | 4083  | 4209  | 4168  | 4203  | 4371  | 4171  | 4149  | 3830  | 3954  | 3772  | 3771  | 2730  | 2381  | 2070  | 2011  | 1823  | 1719  | 1239  | 1746  | 1681  | 1699  | 1500  | 1404  | 1473  | 1485  | 1181  | 1146  | 1053  | 1467  | 1722  | 1824  | 2318  | 1822  | 1710  | 1911  | 1930  | 2076  | 2017  | 2143  | 2094  | 2302  | 2224  | 2224  |       |