

## Daily System Generation Summary on Friday

Friday, December 14, 2018

### Availability at Daily Maximum Demand Hour

|              |           |
|--------------|-----------|
| ST-Coal      | 0 MW      |
| ST-Gas       | 0 MW      |
| ST-Oil       | 0 MW      |
| Hydro        | 2,452 MW  |
| Distillate   | 0 MW      |
| Total TNB    | 2,452 MW  |
| Total IPP    | 15,512 MW |
| Total Co-Gen | 65 MW     |
| Total System | 21,054 MW |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 10,759         | 3.20 %          |
| Gas                     | 30,334         | 9.01 %          |
| <b>Total TNB</b>        | <b>41,093</b>  | <b>12.20 %</b>  |
| ST-Coal                 | 189,700        | 56.34 %         |
| LSS                     | 432            | 0.13 %          |
| Gas                     | 103,335        | 30.69 %         |
| <b>Total IPP</b>        | <b>293,467</b> | <b>87.16 %</b>  |
| Co-Gen                  | 1,438          | 0.43 %          |
| <b>Total Co-Gen</b>     | <b>1,438</b>   | <b>0.43 %</b>   |
| <b>Total Generation</b> | <b>335,998</b> | <b>99.79 %</b>  |
| PLTG                    | -7             | 0.00 %          |
| HVDC                    | -697           | -0.21 %         |
| <b>Interconnection</b>  | <b>-704</b>    | <b>-0.21 %</b>  |
| <b>Net Energy</b>       | <b>336,702</b> | <b>100.00 %</b> |

### Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 8/15/2018 | 18,338 MW   |
| Date: 8/15/2018 | 388,524 MWH |

### Set On Bus, TNB, IPP And MD

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 15:30:00 Hour |
| Total Set On Bus              | 17,277 MW     |
| TNB Generation                | 2,403 MW      |
| IPP Generation                | 13,582 MW     |
| Spinning Reserve              | 1,240 MW      |
| Maximum Demand                | 16,005 MW     |
| Net Energy                    | 336,702 MWH   |
| Load Factor                   | 87.66 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 64,419,542.37 RM |
| Cost per Unit | 19.83 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 437          |
| Hydro        | 432          |
| Syncon       | 674          |
| Thermal      | 160          |
| <b>Total</b> | <b>1,703</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Rainy   | 33          |
| Morning   | Sunny   | 24          |

### Gas Usage

| Station          | (mmscfd)   |
|------------------|------------|
| GLGR             | 50         |
| PGPS             | 3          |
| TJGS             | 166        |
| <b>Total TNB</b> | <b>219</b> |
| CBPS             | 55         |
| KLPP             | 92         |
| MPSS             | 21         |
| NPRI             | 148        |
| PGLA             | 106        |
| PLPS             | 84         |
| SGB3             | 34         |
| SGRI             | 42         |
| SKSP             | 46         |
| YPKA             | 51         |
| <b>Total IPP</b> | <b>678</b> |
| <b>Total Gas</b> | <b>897</b> |

**Total Gas Required 897**

### Alternate Fuel Usage

| Station      | (mmscfd) |
|--------------|----------|
| <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 | 13657 | 12971 | 12529 | 12249 | 12000 | 11841 | 11959 | 12281 | 12688 | 14302 | 15063 | 15589 | 15420 | 14735 | 15283 | 15838 | 15820 | 15277 | 14570 | 14690 | 15014 | 14581 | 14196 | 13631 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 27, 2018 8:53:41 AM

(Ir. Shanmugam Thoppalan)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi

# 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          | U001 | 692  | 693  | 693  | 693  | 694  | 694  | 693  | 694  | 693  | 693  | 694  | 693  | 693  | 692  | 691  | 696  | 691  | 693  | 695  | 694  | 692  | 689  | 691  | 692  | 695  | 693  | 693  | 693  | 692  | 693  | 693  | 694  | 694  | 690  | 692  | 693  | 694  | 692  |      |      |      |      |      |      |      |      |      |      |   |
| JMJG          | U001 | 648  | 636  | 630  | 646  | 646  | 636  | 632  | 640  | 649  | 640  | 641  | 645  | 637  | 652  | 667  | 671  | 673  | 674  | 672  | 665  | 668  | 669  | 670  | 673  | 671  | 672  | 673  | 676  | 670  | 678  | 667  | 673  | 671  | 673  | 672  | 670  | 670  | 667  | 673  | 674  | 666  | 669  | 669  | 668  | 671  | 668  | 667  | 668  |   |
| JMJG          | U002 | 666  | 668  | 671  | 672  | 672  | 679  | 671  | 675  | 668  | 673  | 666  | 682  | 670  | 674  | 671  | 672  | 670  | 671  | 671  | 671  | 672  | 671  | 667  | 673  | 668  | 666  | 672  | 669  | 688  | 668  | 677  | 672  | 676  | 666  | 677  | 670  | 675  | 669  | 672  | 675  | 667  | 671  | 672  | 673  | 674  | 678  | 673  |      |   |
| JMJG          | U003 | 590  | 590  | 590  | 588  | 590  | 590  | 587  | 598  | 593  | 596  | 601  | 660  | 668  | 668  | 667  | 667  | 669  | 662  | 662  | 664  | 663  | 663  | 666  | 665  | 662  | 668  | 656  | 661  | 663  | 666  | 660  | 663  | 662  | 662  | 662  | 664  | 662  | 664  | 660  | 669  | 666  | 665  | 658  | 662  | 668  | 667  | 662  | 665  |   |
| JMJG          | U004 | 948  | 861  | 787  | 782  | 782  | 783  | 783  | 783  | 785  | 783  | 782  | 782  | 785  | 785  | 785  | 785  | 783  | 822  | 910  | 978  | 981  | 980  | 979  | 983  | 982  | 981  | 980  | 983  | 982  | 982  | 981  | 980  | 979  | 979  | 980  | 981  | 983  | 982  | 979  | 979  | 980  | 981  | 983  | 981  | 982  | 982  | 983  | 897  |   |
| JMJG          | U005 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 81   | 77   | 94   | 152  | 214  | 276  | 351  | 408  | 506  | 507  | 499  | 595  | 702  | 789  | 867  | 902  | 906  | 901  | 901  | 898  | 900  | 896  | 900  | 899  | 897  | 905  | 902  | 900  | 900  | 901  | 898  | 896  | 898  | 902  | 900  | 900  |   |
| PKLG          | U003 | 284  | 285  | 284  | 283  | 283  | 284  | 281  | 281  | 279  | 281  | 281  | 283  | 283  | 283  | 282  | 282  | 281  | 281  | 281  | 281  | 281  | 283  | 282  | 283  | 279  | 279  | 281  | 283  | 280  | 280  | 281  | 282  | 279  | 280  | 278  | 279  | 281  | 282  | 280  | 281  | 280  | 279  | 279  | 281  | 281  | 283  | 281  | 282  |   |
| PKLG          | U004 | 281  | 280  | 279  | 280  | 279  | 277  | 276  | 279  | 279  | 280  | 280  | 281  | 280  | 279  | 278  | 280  | 280  | 280  | 280  | 279  | 278  | 279  | 280  | 280  | 279  | 278  | 278  | 278  | 278  | 282  | 279  | 281  | 280  | 279  | 277  | 280  | 281  | 283  | 281  | 281  | 281  | 279  | 280  | 280  | 282  | 283  |      |      |   |
| PKLG          | U006 | 275  | 274  | 274  | 275  | 274  | 273  | 273  | 274  | 274  | 273  | 274  | 274  | 274  | 273  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 274  | 273  | 274  | 275  | 273  | 274  | 275  | 274  | 272  | 274  | 274  | 275  | 275  | 274  | 273  | 274  | 274  | 273  | 274  |      |      |      |      |   |
| TBIN          | U001 | 689  | 689  | 689  | 690  | 689  | 691  | 688  | 689  | 690  | 689  | 689  | 687  | 688  | 686  | 688  | 688  | 689  | 689  | 689  | 690  | 689  | 688  | 687  | 690  | 687  | 685  | 687  | 689  | 688  | 687  | 686  | 689  | 679  | 688  | 688  | 687  | 689  | 690  | 689  | 687  | 689  | 691  | 690  | 686  | 688  | 690  | 690  |      |   |
| TBIN          | U002 | 689  | 686  | 692  | 686  | 699  | 689  | 689  | 692  | 683  | 690  | 687  | 686  | 692  | 687  | 690  | 692  | 687  | 690  | 693  | 688  | 687  | 700  | 691  | 687  | 687  | 689  | 684  | 692  | 692  | 689  | 690  | 687  | 686  | 692  | 684  | 691  | 683  | 690  | 690  | 686  | 689  | 691  | 685  | 687  | 687  | 690  | 687  | 687  |   |
| TBIN          | U003 | 691  | 689  | 690  | 690  | 690  | 690  | 691  | 693  | 690  | 687  | 692  | 691  | 687  | 688  | 692  | 690  | 687  | 688  | 692  | 689  | 689  | 691  | 691  | 688  | 687  | 687  | 689  | 688  | 692  | 691  | 690  | 688  | 689  | 692  | 690  | 690  | 691  | 690  | 691  | 690  | 692  | 691  | 691  | 691  | 690  | 693  | 691  |      |   |
| TBIN          | U004 | 950  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 803  | 900  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  | 950  |      |      |   |
| Total ST-Coal |      | 7403 | 7154 | 7082 | 7088 | 7101 | 7089 | 7067 | 7101 | 7086 | 7088 | 7090 | 7166 | 7243 | 7249 | 7285 | 7346 | 7406 | 7503 | 7777 | 7929 | 8033 | 8050 | 8033 | 8127 | 8224 | 8316 | 8376 | 8441 | 8441 | 8458 | 8418 | 8429 | 8422 | 8425 | 8419 | 8436 | 8418 | 8439 | 8431 | 8440 | 8432 | 8434 | 8424 | 8420 | 8433 | 8441 | 8440 | 8352 |   |
| 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    | 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    | 0    | 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 | 367  | 372  | 369  | 371  | 368  | 377  | 368  | 369  | 225  | 217  | 215  | 361  | 357  | 362  | 362  | 362  | 355  | 353  | 356  | 363  | 366  | 361  | 362  | 349  | 347  | 342  | 360  | 355  | 358  | 375  | 370  | 368  | 373  | 368  | 375  | 377  | 373  | 377  | 378  | 371  | 378  | 372  | 374  | 370  | 360  | 354  | 362  |      |   |
| GLGR          | GT01 | 69   | 69   | 69   | 70   | 68   | 67   | 69   | 68   | 68   | 69   | 70   | 67   | 69   | 70   | 69   | 68   | 93   | 104  | 104  | 105  | 104  | 102  | 104  | 103  | 102  | 66   | 69   | 97   | 105  | 105  | 104  | 104  | 104  | 105  | 104  | 66   | 66   | 68   | 68   | 86   | 86   | 87   | 85   | 86   | 85   | 68   | 69   | 70   |   |
| GLGR          | GT02 | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 70   | 93   | 105  | 105  | 105  | 104  | 104  | 105  | 105  | 104  | 67   | 69   | 98   | 105  | 105  | 104  | 104  | 104  | 105  | 67   | 68   | 68   | 68   | 86   | 86   | 85   | 87   | 86   | 86   | 69   | 69   | 68   |      |   |
| GLGR          | ST1C | 70   | 69   | 70   | 70   | 70   | 70   | 70   | 69   | 70   | 70   | 70   | 69   | 70   | 70   | 70   | 79   | 92   | 91   | 92   | 92   | 92   | 92   | 92   | 93   | 72   | 70   | 83   | 91   | 91   | 92   | 93   | 92   | 92   | 72   | 71   | 70   | 70   | 81   | 81   | 81   | 81   | 81   | 80   | 71   | 70   | 70   |      |      |   |
| KLPP          | GT13 | 81   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 14   | 110  | 141  | 147  | 147  | 146  | 147  | 146  | 145  | 146  | 113  | 148  | 142  | 142  | 142  | 143  | 145  | 144  | 146  | 121  | 122  | 135  | 145  | 144  | 145  | 84   | 0    | 0    | 0    | 0    | 0    |      |      |   |
| KLPP          | GT14 | 136  | 132  | 77   | 77   | 77   | 77   | 77   | 77   | 76   | 77   | 75   | 77   | 76   | 80   | 76   | 79   | 121  | 149  | 151  | 142  | 145  | 141  | 142  | 140  | 139  | 138  | 121  | 159  | 158  | 158  | 158  | 158  | 158  | 158  | 137  | 138  | 111  | 111  | 131  | 139  | 138  | 141  | 138  | 138  | 154  | 155  | 106  | 81   |   |
| KLPP          | GT15 | 150  | 129  | 72   | 71   | 71   | 71   | 71   | 72   | 72   | 69   | 71   | 71   | 73   | 76   | 73   | 79   | 115  | 144  | 152  | 152  | 152  | 152  | 152  | 152  | 149  | 152  | 120  | 152  | 152  | 151  | 151  | 153  | 152  | 155  | 129  | 127  | 143  | 154  | 154  | 154  | 154  | 149  | 145  | 145  | 115  | 119  |      |      |   |
| KLPP          | ST17 | 191  | 130  | 89   | 84   | 84   | 84   | 84   | 84   | 84   | 84   | 84   | 84   | 89   | 81   | 93   | 89   | 182  | 200  | 204  | 204  | 205  | 205  | 205  | 205  | 202  | 202  | 184  | 203  | 208  | 203  | 203  | 203  | 203  | 196  | 200  | 188  | 184  | 188  | 201  | 201  | 200  | 200  | 187  | 135  | 127  | 115  | 99   |      |   |
| MPSS          | GT01 | 89   | 89   | 89   | 91   | 89   | 90   | 90   | 89   | 91   | 90   | 88   | 88   | 88   | 89   | 91   | 90   | 90   | 87   | 88   | 89   | 91   | 92   | 108  | 110  | 108  | 89   | 89   | 92   | 109  | 106  | 107  | 108  | 111  | 94   | 63   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |   |
| MPSS          | ST01 | 36   | 37   | 37   | 37   | 37   | 37   | 37   | 36   | 38   | 38   | 36   | 37   | 36   | 37   | 37   | 37   | 36   | 36   | 36   | 38   | 38   | 40   | 51   | 51   | 51   | 41   | 39   | 40   | 49   | 50   | 51   | 51   | 51   | 40   | 33   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |   |
| NPRI          | BLK1 | 425  | 443  | 465  | 476  | 422  | 466  | 452  | 420  | 374  | 346  | 344  | 478  | 458  | 505  | 511  | 511  | 490  | 457  | 499  | 503  | 509  | 502  | 502  | 488  | 485  | 485  | 505  | 501  | 502  | 501  | 494  | 495  | 504  | 496  | 502  | 502  | 509  | 512  | 508  | 493  | 503  | 506  | 503  | 497  | 504  | 501  | 508  |      |   |
| NPRI          | BLK2 | 412  | 436  | 443  | 466  | 402  | 473  | 429  | 400  | 368  | 344  | 341  | 453  | 460  | 506  | 515  | 511  | 514  | 488  | 443  | 500  | 504  | 508  | 503  | 504  | 491  | 487  | 486  | 509  | 502  | 506  | 502  | 498  | 496  | 505  | 497  | 506  | 505  | 512  | 517  | 511  | 496  | 508  | 508  | 505  | 502  | 505  | 501  | 508  |   |
| PCGP          | PGRG | 495  | 495  | 497  | 504  | 420  | 371  | 329  | 365  | 377  | 374  | 371  | 379  | 372  | 377  | 379  | 375  | 502  | 495  | 493  | 498  | 500  | 502  | 500  | 500  | 490  | 490  | 490  | 502  | 498  | 502  | 498  | 497  | 496  | 505  | 496  | 503  | 501  | 504  | 507  | 501  | 497  | 503  | 496  | 499  | 499  | 503  | 501  | 505  |   |
| PGLA          | GT11 | 176  | 199  | 202  | 180  | 166  | 167  | 166  | 165  | 170  | 168  | 166  | 165  | 168  | 170  | 174  | 173  | 189  | 209  | 197  | 206  | 220  | 216  | 217  | 214  | 196  | 185  | 196  | 217  | 226  | 230  | 229  | 224  | 227  | 231  | 228  | 216  | 195  | 177  | 197  | 209  | 168  | 170  | 166  | 174  | 167  | 166  | 167  | 177  |   |
| PGLA          | GT12 | 178  | 201  | 206  | 181  | 167  | 170  | 170  | 169  | 172  | 170  | 169  | 169  | 170  | 172  | 177  | 175  | 192  | 212  | 199  | 210  | 222  | 219  | 218  | 216  | 199  | 187  | 198  | 220  | 230  | 233  | 232  | 224  | 227  | 233  | 229  | 216  | 197  | 180  | 199  | 211  | 171  | 173  | 167  | 175  | 169  | 169  | 171  | 180  |   |
| PGLA          | ST10 | 208  | 229  | 225  | 219  | 204  | 206  | 204  | 201  | 205  | 205  | 203  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |

### Daily MW Generation on Friday

[illegible]

# 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 Gen       |      | 13623 | 13186 | 12943 | 12774 | 12484 | 12394 | 12197 | 12134 | 11956 | 11887 | 11806 | 11842 | 11899 | 12129 | 12214 | 12235 | 12634 | 13633 | 14267 | 14723 | 14982 | 15376 | 15524 | 15638 | 15417 | 15136 | 14708 | 14992 | 15236 | 15550 | 15798 | 16037 | 15808 | 15720 | 15265 | 14869 | 14551 | 14489 | 14666 | 15188 | 14951 | 14819 | 14530 | 14462 | 14186 | 13953 | 13560 | 13338 |    |   |
| 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  |   |
| TIE-HVDC        |      | -29   | -28   | -28   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   | -28   | -28   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   |    |   |
| TIE-PLTG        |      | 10    | 7     | 16    | -15   | -1    | 13    | -7    | -2    | 1     | 27    | 10    | -27   | -15   | -10   | -22   | 29    | -9    | -40   | 10    | -53   | -35   | -19   | -20   | -13   | 42    | 25    | 18    | -33   | -3    | -35   | 4     | 77    | 33    | -7    | 32    | 23    | 27    | 25    | 22    | 7     | -17   | -19   | -6    | -25   | 35    | -4    | -26   | -46   |    |   |
| Interconnection |      | -18   | -21   | -12   | -44   | -29   | -16   | -36   | -32   | -28   | -3    | -19   | -56   | -44   | -40   | -51   | 0     | -38   | -69   | -19   | -83   | -65   | -47   | -49   | -43   | 13    | -4    | -11   | -61   | -31   | -63   | -24   | 48    | 4     | -36   | 4     | -6    | -3    | -4    | -8    | -23   | -47   | -48   | -35   | -54   | 6     | -33   | -55   | -76   |    |   |
| System Total    |      | 13657 | 13223 | 12971 | 12834 | 12529 | 12426 | 12249 | 12182 | 12000 | 11906 | 11841 | 11914 | 11959 | 12185 | 12281 | 12251 | 12688 | 13718 | 14302 | 14822 | 15063 | 15439 | 15589 | 15697 | 15420 | 15156 | 14735 | 15069 | 15283 | 15629 | 15838 | 16005 | 15820 | 15772 | 15277 | 14891 | 14570 | 14509 | 14690 | 15227 | 15014 | 14883 | 14581 | 14532 | 14196 | 14002 | 13631 | 13430 |    |   |
| SRev ST-Coal    |      | 170   | 287   | 86    | 73    | 60    | 72    | 94    | 60    | 75    | 73    | 71    | 85    | -6    | 82    | 115   | 104   | 187   | 328   | 288   | 236   | 182   | 165   | 182   | 188   | 191   | 199   | 209   | 174   | 174   | 157   | 197   | 186   | 143   | 140   | 146   | 119   | 137   | 116   | 124   | 85    | 93    | 91    | 101   | 105   | 92    | 84    | 85    | 191   |    |   |
| 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  |   |
| SRev CCGT-Gas   |      | 1404  | 1209  | 1379  | 1556  | 1856  | 1936  | 1968  | 1928  | 2098  | 2170  | 2249  | 1586  | 1606  | 1412  | 1381  | 1403  | 1340  | 743   | 713   | 639   | 499   | 290   | 299   | 414   | 569   | 720   | 1046  | 855   | 610   | 225   | 193   | 235   | 262   | 192   | 421   | 609   | 861   | 943   | 769   | 417   | 585   | 483   | 592   | 517   | 580   | 714   | 1101  | 825   |    |   |
| SRev 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     | 0     | 0     | 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 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 Co-Gen     |      | 10    | 2     | 3     | 3     | 2     | 3     | 6     | 4     | 5     | 3     | 4     | 3     | 3     | 0     | 3     | 1     | -2    | 1     | 6     | 1     | 4     | 4     | 7     | 8     | 8     | 10    | 12    | 11    | 12    | 13    | 11    | 13    | 12    | 8     | 6     | 1     | 1     | -2    | 9     | 13    | 10    | 10    | 9     | 14    | -2    | -6    | -7    | -7    | -7 |   |
| Syncon          |      | 740   | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 963   | 1114  | 1114  | 1114  | 1114  | 1114  | 1114  | 625   | 312   | 186   | 312   | 988   | 1114  | 1114  | 1114  | 927   | 463   | 337   | 337   | 524   | 837   | 1114  | 1114  | 1114  | 1114  | 589   | 589   | 589   | 776   | 776   | 776   | 1114  | 1114  | 1114  |    |   |
| Hydro           |      | 348   | 140   | 140   | 138   | 142   | 139   | 141   | 145   | 137   | 138   | 141   | 137   | 137   | 135   | 265   | 135   | 198   | 138   | 139   | 138   | 121   | 463   | 600   | 602   | 656   | 226   | 146   | 139   | 200   | 250   | 476   | 469   | 680   | 582   | 325   | 139   | 185   | 188   | 315   | 459   | 523   | 568   | 476   | 477   | 477   | 250   | 256   | 252   |    |   |
| S.Reserve Total |      | 2672  | 2752  | 2722  | 2884  | 3174  | 3264  | 3323  | 3251  | 3429  | 3498  | 3579  | 2925  | 2854  | 2743  | 2727  | 2757  | 2837  | 2324  | 2260  | 2128  | 1920  | 1547  | 1400  | 1398  | 1736  | 2143  | 2527  | 2293  | 2110  | 1572  | 1337  | 1240  | 1434  | 1446  | 1735  | 1982  | 2298  | 2359  | 2331  | 1563  | 1800  | 1741  | 1954  | 1889  | 1923  | 2156  | 2549  | 2375  |    |   |