

## Daily System Generation Summary on Thursday

Thursday, August 15, 2019

### Availability at Daily Maximum Demand Hour

|              |           |
|--------------|-----------|
| ST-Coal      | 0 MW      |
| ST-Gas       | 0 MW      |
| ST-Oil       | 0 MW      |
| Hydro        | 1,935 MW  |
| Distillate   | 0 MW      |
| Total TNB    | 1,935 MW  |
| Total IPP    | 15,597 MW |
| Total Co-Gen | 0 MW      |
| Total System | 20,611 MW |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 8,406          | 2.29 %          |
| Gas                     | 35,945         | 9.80 %          |
| <b>Total TNB</b>        | <b>44,351</b>  | <b>12.10 %</b>  |
| ST-Coal                 | 189,506        | 51.68 %         |
| LSS                     | 1,616          | 0.44 %          |
| Gas                     | 130,610        | 35.62 %         |
| <b>Total IPP</b>        | <b>321,732</b> | <b>87.75 %</b>  |
| Co-Gen                  | 1,336          | 0.36 %          |
| <b>Total Co-Gen</b>     | <b>1,336</b>   | <b>0.36 %</b>   |
| <b>Total Generation</b> | <b>367,419</b> | <b>100.21 %</b> |
| PLTG                    | 27             | 0.01 %          |
| HVDC                    | 727            | 0.20 %          |
| <b>Interconnection</b>  | <b>754</b>     | <b>0.21 %</b>   |
| <b>Net Energy</b>       | <b>366,665</b> | <b>100.00 %</b> |

### Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 4/18/2019 | 18,566 MW   |
| Date: 4/18/2019 | 391,845 MWH |

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

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 14:30:00 Hour |
| Total Set On Bus              | 19,056 MW     |
| TNB Generation                | 2,012 MW      |
| IPP Generation                | 15,194 MW     |
| Spinning Reserve              | 1,788 MW      |
| Maximum Demand                | 17,266 MW     |
| Net Energy                    | 366,665 MWH   |
| Load Factor                   | 88.48 %       |

### Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 70,081,242.26 RM |
| Cost per Unit | 19.01 cents/kWH  |

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 845          |
| Hydro        | 240          |
| Syncon       | 698          |
| Thermal      | 135          |
| <b>Total</b> | <b>1,918</b> |

### Time Weather Temperature

|           |            |    |
|-----------|------------|----|
| Afternoon | Thunder St | 29 |
| Morning   | Sunny      | 26 |

### Gas Usage

| Station          | (mmscfd)     |
|------------------|--------------|
| GLGR             | 47           |
| TJGS             | 209          |
| <b>Total TNB</b> | <b>256</b>   |
| CBPS             | 54           |
| KLPP             | 96           |
| MPSS             | 39           |
| NPRI             | 158          |
| PGLA             | 109          |
| PLPS             | 87           |
| SGB3             | 58           |
| SGRI             | 153          |
| SKSP             | 48           |
| YPKA             | 72           |
| <b>Total IPP</b> | <b>873</b>   |
| <b>Total Gas</b> | <b>1,128</b> |

**Total Gas Required 1,128**

### 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 | 15095 | 14483 | 13962 | 13524 | 13293 | 13016 | 13129 | 13237 | 13706 | 15329 | 16377 | 16969 | 16842 | 16396 | 16885 | 17202 | 16990 | 16393 | 15539 | 15317 | 16164 | 16032 | 15449 | 15115 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, August 26, 2019 8:02:26 AM

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

# Daily MW Generation on Thursday

| 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 | 693  | 695  | 691  | 695  | 694  | 692  | 694  | 694  | 695  | 694  | 692  | 692  | 693  | 693  | 692  | 693  | 693  | 692  | 696  | 691  | 691  | 692  | 692  | 692  | 692  |     |
| JMAH          | U002 | 692  | 695  | 695  | 695  | 696  | 693  | 695  | 690  | 695  | 695  | 694  | 695  | 693  | 694  | 693  | 692  | 689  | 694  | 692  | 695  | 694  | 695  | 695  | 691  | 692  |     |
| JMHE          | U001 | 763  | 766  | 764  | 764  | 762  | 767  | 669  | 345  | 345  | 342  | 345  | 343  | 344  | 509  | 513  | 514  | 520  | 515  | 511  | 764  | 940  | 1007 | 1010 | 1009 | 1007 |     |
| JMJG          | U001 | 670  | 672  | 675  | 672  | 667  | 672  | 672  | 673  | 673  | 674  | 672  | 672  | 670  | 668  | 671  | 674  | 672  | 677  | 672  | 665  | 671  | 671  | 670  | 672  | 672  |     |
| JMJG          | U003 | 666  | 667  | 668  | 666  | 666  | 668  | 666  | 669  | 665  | 671  | 668  | 668  | 667  | 670  | 667  | 668  | 668  | 666  | 667  | 670  | 668  | 671  | 662  | 665  | 671  |     |
| JMJG          | U004 | 976  | 977  | 935  | 847  | 804  | 806  | 806  | 806  | 804  | 804  | 804  | 804  | 804  | 803  | 940  | 977  | 978  | 977  | 976  | 977  | 975  | 974  | 976  | 977  | 976  |     |
| PKLG          | U005 | 470  | 470  | 468  | 468  | 467  | 471  | 470  | 471  | 470  | 471  | 471  | 470  | 470  | 470  | 470  | 468  | 470  | 471  | 473  | 468  | 468  | 468  | 469  | 471  | 473  |     |
| TBIN          | U001 | 691  | 689  | 690  | 694  | 691  | 694  | 691  | 691  | 692  | 691  | 691  | 691  | 690  | 691  | 691  | 689  | 689  | 692  | 691  | 690  | 691  | 691  | 690  | 691  | 690  |     |
| TBIN          | U002 | 689  | 693  | 691  | 691  | 692  | 693  | 693  | 692  | 691  | 693  | 691  | 692  | 691  | 691  | 688  | 692  | 694  | 690  | 691  | 689  | 691  | 689  | 691  | 690  | 691  |     |
| TBIN          | U003 | 688  | 689  | 693  | 690  | 693  | 689  | 690  | 691  | 691  | 691  | 691  | 690  | 691  | 693  | 690  | 692  | 691  | 691  | 689  | 689  | 690  | 690  | 693  | 693  | 691  |     |
| TBIN          | U004 | 983  | 982  | 954  | 873  | 802  | 803  | 802  | 804  | 803  | 802  | 802  | 803  | 804  | 802  | 805  | 802  | 804  | 868  | 955  | 982  | 982  | 983  | 983  | 982  | 982  |     |
| Total ST-Coal |      | 7981 | 7995 | 7924 | 7755 | 7634 | 7646 | 7548 | 7226 | 7226 | 7228 | 7221 | 7222 | 7216 | 7387 | 7383 | 7396 | 7395 | 7395 | 7594 | 7971 | 8168 | 8234 | 8242 | 8239 | 8228 |     |
| 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    |     |
| 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    |     |
| CBPS          | BLK2 | 357  | 360  | 360  | 360  | 362  | 358  | 358  | 358  | 361  | 359  | 301  | 221  | 220  | 299  | 364  | 365  | 365  | 360  | 357  | 357  | 359  | 364  | 362  | 358  | 360  | 361 |
| GLGR          | GT01 | 100  | 69   | 70   | 70   | 69   | 70   | 69   | 70   | 68   | 68   | 69   | 69   | 70   | 69   | 67   | 69   | 70   | 69   | 69   | 70   | 67   | 68   | 83   | 92   | 92   |     |
| GLGR          | GT02 | 101  | 68   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 70   | 69   | 69   | 68   | 84   | 94   | 92   | 92   | 69   | 69   | 69   | 69   | 88   | 85   | 67   |     |
| GLGR          | ST1C | 89   | 70   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 68   | 69   | 69   | 69   | 68   | 69   | 68   | 69   | 69   | 75   | 81   | 71   | 69   | 69   | 68   |     |
| KLPP          | GT13 | 118  | 120  | 120  | 112  | 110  | 72   | 73   | 73   | 73   | 73   | 72   | 73   | 73   | 74   | 74   | 76   | 105  | 110  | 121  | 128  | 132  | 130  | 130  | 131  | 124  |     |
| KLPP          | GT14 | 132  | 88   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 42   | 70   | 155  | 132  | 156  | 156  | 156  | 157  | 142  | 142  | 141  | 142  |     |
| KLPP          | GT15 | 127  | 131  | 132  | 119  | 119  | 85   | 82   | 87   | 82   | 83   | 84   | 88   | 84   | 84   | 83   | 88   | 117  | 121  | 130  | 152  | 152  | 151  | 153  | 155  | 141  |     |
| KLPP          | ST17 | 197  | 185  | 133  | 120  | 121  | 93   | 93   | 93   | 92   | 92   | 93   | 93   | 92   | 92   | 98   | 98   | 98   | 171  | 195  | 194  | 207  | 203  | 205  | 203  | 203  |     |
| MPSS          | GT01 | 87   | 88   | 88   | 91   | 87   | 88   | 85   | 89   | 86   | 85   | 89   | 88   | 88   | 86   | 87   | 88   | 89   | 88   | 85   | 87   | 84   | 88   | 85   | 86   | 87   |     |
| MPSS          | GT02 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 106  |     |
| MPSS          | ST01 | 37   | 37   | 37   | 37   | 36   | 36   | 36   | 36   | 36   | 36   | 36   | 36   | 36   | 37   | 37   | 38   | 37   | 36   | 35   | 35   | 38   | 38   | 37   | 37   | 38   |     |
| NPRI          | BLK1 | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 512  | 511  | 505  | 510  | 508  | 509  | 506  | 509  | 509  | 509  | 510  |     |
| NPRI          | BLK2 | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 515  | 512  | 508  | 512  | 511  | 512  | 509  | 512  | 511  | 510  | 511  |     |
| PCGP          | PGRG | 594  | 600  | 598  | 605  | 602  | 597  | 596  | 603  | 598  | 597  | 602  | 603  | 603  | 601  | 604  | 602  | 608  | 598  | 595  | 603  | 549  | 550  | 549  | 554  | 553  |     |
| PGLA          | GT11 | 192  | 177  | 207  | 198  | 200  | 168  | 166  | 176  | 167  | 166  | 168  | 176  | 166  | 168  | 168  | 215  | 223  | 222  | 222  | 221  | 222  | 223  | 222  | 203  | 206  |     |
| PGLA          | GT12 | 198  | 183  | 213  | 202  | 205  | 174  | 172  | 182  | 172  | 171  | 192  | 182  | 172  | 173  | 173  | 221  | 229  | 227  | 228  | 228  | 224  | 228  | 229  | 210  | 212  |     |
| PGLA          | ST10 | 235  | 224  | 225  | 232  | 226  | 214  | 208  | 211  | 206  | 206  | 208  | 221  | 207  | 218  | 206  | 206  | 242  | 247  | 245  | 245  | 247  | 247  | 246  | 248  | 245  |     |
| PLPS          | GT11 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 71   | 146  | 144  | 134  | 139  | 126  | 130  | 122  | 116  |      |     |
| PLPS          | GT12 | 125  | 125  | 126  | 102  | 64   | 64   | 60   | 64   | 64   | 63   | 64   | 64   | 64   | 64   | 64   | 65   | 119  | 119  | 119  | 138  | 143  | 131  | 135  | 125  | 119  |     |
| PLPS          | GT13 | 115  | 116  | 118  | 108  | 63   | 63   | 61   | 62   | 63   | 63   | 62   | 62   | 63   | 62   | 63   | 63   | 109  | 112  | 112  | 129  | 135  | 123  | 127  | 117  | 113  |     |
| PLPS          | ST18 | 140  | 138  | 138  | 135  | 91   | 89   | 89   | 90   | 89   | 89   | 87   | 89   | 89   | 86   | 90   | 133  | 204  | 205  | 212  | 213  | 210  | 210  | 199  | 199  |      |     |
| SGB3          | GT31 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 74   | 131  | 131  | 137  | 140  | 111  | 111  | 109  |      |     |
| SGB3          | GT32 | 72   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 35   | 144  | 115  | 115  | 114  |      |     |
| SGB3          | GT33 | 109  | 111  | 111  | 111  | 111  | 112  | 110  | 112  | 113  | 108  | 111  | 113  | 111  | 111  | 113  | 112  | 115  | 116  | 115  | 122  | 117  | 117  | 111  | 111  |      |     |
| SGB3          | ST34 | 120  | 62   | 62   | 59   | 59   | 60   | 60   | 59   | 59   | 59   | 59   | 59   | 59   | 60   | 60   | 60   | 59   | 59   | 139  | 139  | 145  | 205  | 201  | 201  |      |     |
| SGRI          | GT11 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 14   | 132  | 136  | 136  | 135  | 135  | 139  | 122  | 118  |      |     |
| SGRI          | GT12 | 118  | 120  | 120  | 70   | 70   | 70   | 70   | 70   | 70   | 70   | 70   | 69   | 69   | 71   | 71   | 70   | 70   | 113  | 110  | 117  | 138  | 138  | 141  | 124  |      |     |
| SGRI          | GT13 | 114  | 113  | 113  | 69   | 65   | 64   | 69   | 65   | 66   | 65   | 65   | 65   | 66   | 66   | 66   | 69   | 68   | 106  | 107  | 107  | 111  | 133  | 133  | 136  |      |     |
| SGRI          | ST14 | 139  | 137  | 137  | 103  | 103  | 103  | 100  | 100  | 99   | 99   | 101  | 103  | 101  | 100  | 101  | 100  | 103  | 137  | 184  | 202  | 265  | 215  | 218  | 217  |      |     |
| SGRI          | GT21 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 104  | 138  | 119  |      |      |     |
| SGRI          | GT22 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 94   | 137  | 141  | 141  |      |      |     |
| SGRI          | GT23 | 111  | 109  | 109  | 109  | 111  | 109  | 109  | 109  | 109  | 109  | 114  | 109  | 109  | 109  | 113  | 113  | 113  | 110  | 110  | 109  | 111  | 108  | 112  | 109  |      |     |
| SGRI          | ST24 | 59   | 60   | 60   | 60   | 60   | 60   | 61   | 60   | 60   | 60   | 56   | 61   | 61   | 57   | 57   | 57   | 59   | 59   | 59   | 60   | 111  | 138  | 178  | 204  |      |     |

| 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 |     |
|---------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|
| SKSP    | BLK1 | 274  | 273 | 214  | 237 | 253  | 241 | 217  | 239 | 216  | 217 | 238  | 272 | 252  | 224 | 227  | 216 | 314  | 339 | 274  | 224 | 322  | 339 | 321  | 261 | 232  | 225 | 223  | 257 | 269  | 321 | 339  | 252 | 278  | 229 | 219  | 219 | 218  | 218 | 228  | 222 | 218  | 241 | 216  | 220 | 218  | 330 | 338  | 316 |
| TJGS    | GT1A | 222  | 226 | 225  | 223 | 225  | 215 | 199  | 220 | 214  | 166 | 153  | 198 | 219  | 189 | 198  | 178 | 232  | 231 | 196  | 197 | 224  | 229 | 221  | 223 | 217  | 209 | 172  | 229 | 223  | 220 | 222  | 219 | 218  | 220 | 219  | 220 | 152  | 150 | 181  | 191 | 229  | 225 | 227  | 228 | 226  | 225 | 229  | 226 |
| TJGS    | GT1B | 210  | 215 | 215  | 213 | 214  | 203 | 186  | 208 | 203  | 155 | 137  | 188 | 213  | 170 | 189  | 168 | 218  | 220 | 185  | 184 | 213  | 215 | 205  | 208 | 207  | 199 | 159  | 218 | 211  | 210 | 207  | 210 | 208  | 206 | 206  | 211 | 141  | 137 | 169  | 181 | 215  | 214 | 213  | 217 | 214  | 216 | 217  | 215 |
| TJGS    | ST1C | 241  | 241 | 241  | 241 | 241  | 237 | 217  | 238 | 234  | 205 | 193  | 196 | 243  | 237 | 219  | 203 | 248  | 246 | 228  | 222 | 249  | 248 | 248  | 245 | 219  | 202 | 206  | 246 | 242  | 242 | 242  | 242 | 242  | 238 | 238  | 237 | 191  | 187 | 193  | 191 | 242  | 245 | 245  | 245 | 245  | 245 | 245  | 245 |
| TJGS    | GT2A | 209  | 209 | 209  | 209 | 209  | 209 | 191  | 213 | 213  | 184 | 146  | 146 | 148  | 148 | 146  | 148 | 148  | 214 | 214  | 211 | 213  | 213 | 213  | 213 | 226  | 224 | 224  | 223 | 225  | 224 | 226  | 225 | 225  | 226 | 226  | 202 | 146  | 146 | 211  | 209 | 211  | 208 | 211  | 211 | 211  | 210 | 210  |     |
| TJGS    | GT2B | 207  | 204 | 207  | 207 | 207  | 206 | 188  | 209 | 179  | 143 | 144  | 142 | 144  | 144 | 144  | 211 | 209  | 209 | 209  | 209 | 209  | 209 | 209  | 199 | 199  | 199 | 199  | 199 | 198  | 199 | 199  | 199 | 198  | 198 | 196  | 143 | 243  | 206 | 206  | 206 | 206  | 208 | 206  | 208 | 206  | 206 | 206  |     |
| TJGS    | ST2C | 258  | 258 | 258  | 258 | 258  | 255 | 260  | 260 | 237  | 211 | 211  | 211 | 211  | 211 | 211  | 211 | 258  | 258 | 258  | 258 | 258  | 258 | 261  | 261 | 261  | 261 | 261  | 261 | 261  | 261 | 261  | 261 | 261  | 261 | 261  | 261 | 261  | 211 | 256  | 256 | 256  | 256 | 256  | 256 | 256  | 256 | 256  |     |
| YPKA    | GT11 | 115  | 57  | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 15  | 114  | 115 | 114  | 115 | 114  | 115 | 115  | 115 | 100  | 98  | 98   | 98  | 115  | 115 | 111  | 111 | 111  | 111 | 67   | 66  | 67   | 66  | 115  | 115 | 115  | 115 | 114  | 115 | 98   | 98  | 114  |     |
| YPKA    | GT12 | 139  | 137 | 137  | 65  | 65   | 66  | 65   | 66  | 65   | 65  | 66   | 66  | 65   | 65  | 66   | 66  | 65   | 81  | 138  | 135 | 135  | 136 | 134  | 134 | 135  | 100 | 99   | 99  | 98   | 132 | 132  | 134 | 133  | 132 | 136  | 68  | 67   | 68  | 67   | 136 | 138  | 139 | 138  | 138 | 139  | 101 | 101  | 140 |
| YPKA    | ST10 | 119  | 58  | 58   | 32  | 31   | 31  | 30   | 31  | 30   | 30  | 31   | 30  | 31   | 30  | 30   | 28  | 99   | 117 | 119  | 120 | 119  | 120 | 120  | 120 | 120  | 108 | 101  | 102 | 101  | 118 | 119  | 119 |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |

### Daily MW Generation on Thursday

| 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  |       |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MCLS            | LSS1 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 5     | 9     | 24    | 30    | 33    | 39    | 31    | 41    | 34    | 41    | 38    | 36    | 34    | 33    | 32    | 31    | 28    | 6     | 7     | 13    | 1     | 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     | 0     | 0     | 4     | 11    | 19    | 28    | 18    | 10    | 3     | 20    | 24    | 41    | 45    | 52    | 29    | 49    | 38    | 29    | 24    | 16    | 8     | 0     | 0     | 1     | 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     | 0     | 0     | 5     | 9     | 15    | 20    | 27    | 23    | 22    | 31    | 24    | 8     | 10    | 14    | 12    | 12    | 13    | 15    | 6     | 8     | 5     | 5     | 7     | 4     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| Total LSS       |      | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 6     | 9     | 32    | 60    | 81    | 130   | 136   | 144   | 186   | 200   | 176   | 198   | 203   | 223   | 176   | 231   | 208   | 195   | 147   | 130   | 91    | 86    | 71    | 23    | 11    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |
| PCUF            | CUFG | 25    | 26    | 24    | 24    | 23    | 24    | 24    | 23    | 24    | 23    | 22    | 23    | 21    | 21    | 20    | 24    | 24    | 23    | 21    | 21    | 24    | 24    | 23    | 23    | 24    | 24    | 23    | 25    | 27    | 26    | 25    | 23    | 21    | 22    | 22    | 22    | 21    | 25    | 24    | 22    | 22    | 23    | 27    | 26    | 21    | 21    | 22    |       |
| PCUF            | CUFK | 31    | 36    | 34    | 37    | 35    | 36    | 36    | 34    | 36    | 36    | 36    | 37    | 36    | 37    | 36    | 34    | 37    | 36    | 35    | 34    | 35    | 33    | 35    | 34    | 32    | 33    | 35    | 36    | 34    | 35    | 36    | 35    | 37    | 36    | 35    | 35    | 35    | 35    | 33    | 34    | 36    | 34    | 33    | 19    | 0     | 2     | 1     |       |
| Total Co-Gen    |      | 56    | 62    | 58    | 61    | 58    | 60    | 60    | 60    | 57    | 58    | 59    | 57    | 58    | 57    | 54    | 61    | 60    | 59    | 57    | 56    | 54    | 59    | 59    | 57    | 55    | 57    | 59    | 59    | 59    | 62    | 60    | 61    | 58    | 58    | 58    | 57    | 57    | 56    | 60    | 57    | 56    | 58    | 57    | 60    | 45    | 21    | 23    | 23    |
| Total Gen       |      | 15184 | 14796 | 14531 | 14232 | 13992 | 13784 | 13546 | 13402 | 13343 | 13106 | 12982 | 13054 | 13084 | 13213 | 13302 | 13248 | 13725 | 14642 | 15351 | 15902 | 16369 | 16661 | 16985 | 17047 | 16839 | 16503 | 16361 | 16676 | 16884 | 17268 | 17176 | 17133 | 17046 | 16848 | 16490 | 16034 | 15596 | 15290 | 15378 | 15943 | 16239 | 16285 | 16120 | 15897 | 15540 | 15394 | 15185 | 14982 |
| 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        |      | 31    | 31    | 30    | 30    | 30    | 30    | 31    | 31    | 29    | 29    | 31    | 31    | 30    | 30    | 31    | 31    | 31    | 31    | 31    | 31    | 30    | 30    | 30    | 30    | 30    | 31    | 31    | 30    | 30    | 30    | 31    | 31    | 30    | 30    | 30    | 30    | 30    | 30    | 31    | 31    | 31    | 31    | 30    | 30    | 31    | 30    | 31    |       |
| TIE-PLTG        |      | 58    | -17   | 18    | -44   | 0     | -36   | -8    | -46   | 21    | -7    | -64   | -37   | -75   | -53   | 34    | 42    | -8    | -30   | -2    | -38   | -22   | -41   | 8     | -11   | -8    | 50    | -32   | -48   | -1    | 1     | -34   | -2    | 40    | -63   | 82    | 41    | 33    | 35    | 30    | 6     | 45    | -5    | 58    | 46    | 62    | 20    | 39    | 19    |
| Interconnection |      | 89    | 14    | 48    | -14   | 30    | -6    | 22    | -16   | 50    | 23    | -34   | -6    | -45   | -23   | 65    | 72    | 23    | 1     | 29    | -7    | 7     | -12   | 38    | 19    | 22    | 80    | -2    | -17   | 29    | 31    | -4    | 29    | 71    | -33   | 113   | 71    | 63    | 66    | 61    | 37    | 75    | 26    | 88    | 77    | 91    | 50    | 70    | 51    |
| System Total    |      | 15095 | 14782 | 14483 | 14246 | 13962 | 13790 | 13524 | 13418 | 13293 | 13083 | 13016 | 13060 | 13129 | 13236 | 13237 | 13176 | 13706 | 14652 | 15329 | 15931 | 16377 | 16691 | 16969 | 17072 | 16842 | 16450 | 16396 | 16723 | 16885 | 17266 | 17021 | 17123 | 16990 | 16902 | 16393 | 15973 | 15539 | 15227 | 15317 | 15906 | 16164 | 16259 | 16032 | 15820 | 15449 | 15344 | 15115 | 14931 |
| SRev ST-Coal    |      | 145   | 131   | 202   | 280   | 290   | 278   | 377   | 271   | 274   | 269   | 279   | 278   | 282   | 283   | 289   | 276   | 277   | 280   | 250   | 35    | 38    | 142   | 134   | 137   | 148   | 145   | 140   | 140   | 140   | 149   | 145   | 148   | 133   | 139   | 152   | 138   | 141   | 139   | 141   | 138   | 148   | 146   | 118   | 142   | 126   | 139   | 140   | 123   |
| 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     |       |       |
| SRev CCGT-Gas   |      | 975   | 1059  | 748   | 1082  | 1230  | 1452  | 1591  | 1413  | 1490  | 1708  | 1827  | 1773  | 1738  | 1761  | 1680  | 1741  | 1471  | 1029  | 693   | 859   | 698   | 756   | 625   | 631   | 826   | 1166  | 1284  | 978   | 1019  | 705   | 753   | 780   | 821   | 898   | 1200  | 1467  | 1821  | 1878  | 1760  | 1279  | 1034  | 754   | 914   | 1106  | 998   | 1066  | 838   | 754   |
| 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     |       |       |
| 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     |       |       |
| SRev Co-Gen     |      | 4     | -2    | 2     | -1    | 2     | 0     | 0     | 0     | 3     | 2     | 1     | 3     | 2     | 3     | 6     | -1    | 0     | 1     | 3     | 4     | 6     | 1     | 1     | 3     | 5     | 3     | 1     | 1     | 1     | -2    | 0     | -1    | 2     | 2     | 2     | 3     | 3     | 4     | 0     | 3     | 4     | 2     | 3     | 0     | 15    | 39    | 37    | 37    |
| Syncon          |      | 829   | 829   | 829   | 728   | 728   | 728   | 728   | 749   | 598   | 749   | 749   | 728   | 598   | 749   | 728   | 728   | 728   | 728   | 728   | 728   | 829   | 655   | 655   | 554   | 403   | 554   | 642   | 642   | 642   | 491   | 642   | 642   | 642   | 829   | 829   | 829   | 829   | 678   | 829   | 829   | 829   | 829   | 829   | 829   | 829   | 829   | 829   |       |
| Hydro           |      | 147   | 145   | 145   | 145   | 113   | 113   | 114   | 113   | 243   | 114   | 113   | 115   | 245   | 112   | 113   | 109   | 111   | 111   | 112   | 95    | 84    | 249   | 246   | 288   | 419   | 291   | 239   | 247   | 315   | 445   | 317   | 314   | 324   | 235   | 239   | 234   | 200   | 329   | 198   | 203   | 141   | 129   | 141   | 151   | 333   | 223   | 228   | 139   |
| S.Reserve Total |      | 2100  | 2162  | 1926  | 2234  | 2363  | 2571  | 2810  | 2546  | 2608  | 2842  | 2969  | 2897  | 2865  | 2908  | 2816  | 2853  | 2587  | 2149  | 1786  | 1721  | 1655  | 1803  | 1661  | 1613  | 1801  | 2159  | 2306  | 2011  | 2117  | 1788  | 1857  | 1883  | 1922  | 2103  | 2422  | 2671  | 2994  | 3028  | 2928  | 2452  | 2156  | 1860  | 2005  | 2228  | 2150  | 2296  | 2072  | 1882  |