

# Daily System Generation Summary on Tuesday

Tuesday, June 07, 2016

## Availability at Daily Maximum Demand Hour

|              |           |
|--------------|-----------|
| ST-Coal      | 0 MW      |
| ST-Gas       | 0 MW      |
| ST-Oil       | 0 MW      |
| Gas          | 3,747 MW  |
| Hydro        | 1,708 MW  |
| Distillate   | 0 MW      |
| Total TNB    | 5,455 MW  |
| Total IPP    | 13,749 MW |
| Total Co-Gen | 0 MW      |
| Total System | 19,489 MW |

## Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Gas                     | 61,098         | 17.41 %         |
| Hydro                   | 11,661         | 3.32 %          |
| <b>Total TNB</b>        | <b>72,759</b>  | <b>20.74 %</b>  |
| ST-Coal                 | 188,717        | 53.78 %         |
| Gas                     | 88,288         | 25.16 %         |
| <b>Total IPP</b>        | <b>277,005</b> | <b>78.95 %</b>  |
| Co-Gen                  | 146            | 0.04 %          |
| <b>Total Co-Gen</b>     | <b>146</b>     | <b>0.04 %</b>   |
| <b>Total Generation</b> | <b>349,910</b> | <b>99.72 %</b>  |
| PLTG                    | -274           | -0.08 %         |
| HVDC                    | -697           | -0.20 %         |
| <b>Interconnection</b>  | <b>-971</b>    | <b>-0.28 %</b>  |
| <b>Net Energy</b>       | <b>350,881</b> | <b>100.00 %</b> |

## Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 4/20/2016 | 17,788 MW   |
| Date: 4/20/2016 | 372,457 MWH |

## Set On Bus, TNB, IPP And MD

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 15:30:00 Hour |
| Total Set On Bus              | 18,161 MW     |
| TNB Generation                | 3,894 MW      |
| IPP Generation                | 12,821 MW     |
| Spinning Reserve              | 1,443 MW      |
| Maximum Demand                | 16,761 MW     |
| Net Energy                    | 350,881 MWH   |
| Load Factor                   | 87.23 %       |

## Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 45,544,913.20 RM |
| Cost per Unit | 13.46 cents/kWH  |

## Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 505          |
| Hydro        | 372          |
| Syncon       | 420          |
| Thermal      | 119          |
| <b>Total</b> | <b>1,416</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot     | 35          |
| Morning   | Sunny   | 28          |

## Gas Usage

| Station                   | (mmscfd)     |
|---------------------------|--------------|
| CBPS                      | 25           |
| GLGR                      | 53           |
| PAKA                      | 118          |
| PGPS                      | 41           |
| SRDG                      | 18           |
| TJGS                      | 213          |
| <b>Total TNB</b>          | <b>468</b>   |
| CBPS                      | 55           |
| KLPP                      | 96           |
| MPSS                      | 49           |
| NPRI                      | 0            |
| PGLA                      | 93           |
| PLPS                      | 88           |
| PTEK                      | 20           |
| SGB3                      | 70           |
| SGRI                      | 164          |
| SKSP                      | 50           |
| <b>Total IPP</b>          | <b>685</b>   |
| <b>Total Gas</b>          | <b>1,153</b> |
| <b>Total Gas Required</b> | <b>1,153</b> |

## 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 | 14168 | 13420 | 12903 | 12592 | 12430 | 12356 | 12285 | 11788 | 12607 | 14557 | 15516 | 16161 | 16150 | 15936 | 16441 | 16746 | 16729 | 16021 | 15013 | 14726 | 15498 | 15607 | 15430 | 15155 |

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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 |     |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| JMAH          | U001 | 702  | 702  | 701  | 702  | 701  | 700  | 705  | 701  | 705  | 701  | 703  | 700  | 700  | 701  | 702  | 701  | 700  | 698  | 700  | 698  | 698  | 699  | 698  | 698  | 699 |
| JMAH          | U002 | 703  | 701  | 703  | 703  | 703  | 700  | 702  | 701  | 703  | 705  | 704  | 702  | 703  | 703  | 708  | 701  | 703  | 707  | 705  | 702  | 703  | 701  | 707  | 702  |     |
| JMUG          | U001 | 643  | 649  | 640  | 642  | 642  | 645  | 644  | 645  | 643  | 642  | 645  | 643  | 640  | 643  | 640  | 650  | 634  | 646  | 642  | 643  | 644  | 645  | 643  | 642  |     |
| JMUG          | U002 | 679  | 680  | 682  | 679  | 678  | 679  | 683  | 675  | 679  | 680  | 681  | 678  | 680  | 681  | 679  | 680  | 677  | 679  | 679  | 679  | 680  | 680  | 677  | 680  |     |
| JMUG          | U003 | 640  | 643  | 643  | 645  | 640  | 638  | 640  | 638  | 641  | 646  | 637  | 640  | 640  | 641  | 646  | 640  | 639  | 640  | 638  | 632  | 645  | 640  | 639  | 640  |     |
| JMUG          | U004 | 903  | 861  | 859  | 851  | 779  | 783  | 783  | 783  | 785  | 783  | 785  | 786  | 785  | 785  | 786  | 786  | 785  | 815  | 900  | 955  | 952  | 953  | 951  | 953  |     |
| PKLG          | U003 | 276  | 284  | 280  | 282  | 280  | 282  | 278  | 282  | 285  | 283  | 283  | 283  | 279  | 283  | 283  | 281  | 283  | 284  | 284  | 282  | 276  | 284  | 278  | 280  |     |
| PKLG          | U004 | 280  | 280  | 282  | 242  | 235  | 260  | 280  | 280  | 276  | 278  | 279  | 280  | 280  | 280  | 280  | 280  | 280  | 280  | 278  | 278  | 278  | 276  | 276  | 276  |     |
| PKLG          | U005 | 395  | 398  | 391  | 370  | 297  | 267  | 267  | 267  | 264  | 264  | 264  | 264  | 264  | 264  | 271  | 267  | 267  | 271  | 267  | 267  | 271  | 264  | 265  | 265  |     |
| PKLG          | U006 | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 470  | 471  | 470  | 470  | 470  | 470  | 467  | 470  | 469  | 472  | 467  |     |
| TBIN          | U001 | 697  | 699  | 696  | 697  | 699  | 698  | 697  | 699  | 702  | 697  | 696  | 698  | 700  | 702  | 701  | 698  | 695  | 694  | 699  | 700  | 699  | 697  | 698  | 694  |     |
| TBIN          | U002 | 699  | 700  | 697  | 698  | 700  | 697  | 700  | 697  | 697  | 698  | 698  | 699  | 699  | 699  | 698  | 699  | 699  | 698  | 699  | 700  | 698  | 699  | 701  | 696  |     |
| TBIN          | U004 | 901  | 852  | 851  | 831  | 802  | 801  | 801  | 781  | 781  | 781  | 781  | 781  | 781  | 781  | 782  | 781  | 781  | 781  | 902  | 943  | 950  | 950  | 950  | 951  |     |
| Total ST-Coal |      | 7988 | 7919 | 7895 | 7812 | 7626 | 7618 | 7654 | 7615 | 7631 | 7630 | 7626 | 7621 | 7625 | 7631 | 7635 | 7628 | 7627 | 7626 | 7773 | 7903 | 7978 | 7960 | 7947 | 7952 |     |
| Total ST-Oil  |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |     |
| Total ST-Gas  |      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |     |
| CBPS          | GT1A | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 28   | 28   | 33   | 33   | 47   | 88   | 88   | 93   | 95   |     |
| CBPS          | GT1B | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 9    | 29   | 93   | 96   | 91   |      |     |
| CBPS          | ST1C | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 13   | 41   | 43   | 84   | 97   | 93   |      |     |
| CBPS          | BLK2 | 360  | 352  | 354  | 355  | 354  | 355  | 355  | 356  | 355  | 355  | 356  | 359  | 290  | 204  | 200  | 374  | 374  | 377  | 377  | 377  | 371  | 371  | 378  | 371  |     |
| GLGR          | GT01 | 104  | 109  | 81   | 67   | 67   | 69   | 68   | 69   | 69   | 69   | 69   | 69   | 69   | 104  | 108  | 107  | 107  | 107  | 106  | 103  | 103  | 99   | 100  | 100  |     |
| GLGR          | GT02 | 103  | 110  | 79   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 69   | 69   | 68   | 106  | 111  | 107  | 107  | 107  | 105  | 105  | 100  | 100  | 100  |     |
| GLGR          | ST1C | 93   | 96   | 84   | 70   | 70   | 70   | 70   | 71   | 70   | 71   | 71   | 70   | 71   | 70   | 70   | 70   | 89   | 98   | 98   | 97   | 97   | 96   | 93   | 94   |     |
| KLPP          | GT13 | 129  | 136  | 118  | 109  | 109  | 113  | 113  | 67   | 72   | 77   | 71   | 70   | 71   | 70   | 66   | 72   | 101  | 107  | 134  | 151  | 151  | 151  | 151  | 151  |     |
| KLPP          | GT14 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 34   | 135  | 134  | 140  | 152  | 152  | 152  | 152  | 152  |     |
| KLPP          | GT15 | 145  | 146  | 130  | 125  | 127  | 125  | 125  | 79   | 84   | 88   | 79   | 84   | 77   | 80   | 78   | 84   | 120  | 120  | 141  | 150  | 150  | 150  | 150  | 150  |     |
| KLPP          | ST17 | 135  | 135  | 123  | 122  | 123  | 124  | 123  | 91   | 95   | 99   | 95   | 91   | 90   | 90   | 83   | 95   | 119  | 185  | 194  | 202  | 206  | 206  | 204  | 204  |     |
| MPSS          | GT01 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 19   | 76   | 108  | 105  | 104  | 101  | 101  | 101  | 105  |     |
| MPSS          | GT02 | 108  | 88   | 91   | 90   | 91   | 90   | 88   | 90   | 91   | 94   | 88   | 91   | 92   | 90   | 93   | 94   | 89   | 88   | 108  | 107  | 106  | 106  | 105  | 105  |     |
| MPSS          | ST01 | 51   | 39   | 38   | 38   | 39   | 37   | 37   | 38   | 38   | 39   | 37   | 37   | 38   | 38   | 37   | 39   | 35   | 37   | 106  | 112  | 112  | 112  | 112  | 111  |     |
| NPRI          | BLK1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |     |
| PAKA          | GT1A | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 42   | 71   | 70   | 71   | 72   | 70   | 70   | 66   |     |
| PAKA          | GT1B | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |     |
| PAKA          | ST1C | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |     |
| PAKA          | GT2A | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 61   | 65   | 64   | 86   | 85   | 85   | 84   | 84   | 85   | 84   |     |
| PAKA          | GT2B | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 63   | 65   | 63   | 90   | 86   | 88   | 88   | 88   | 87   | 87   |     |
| PAKA          | ST2C | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 76   | 77   | 90   | 90   | 90   | 90   | 90   | 90   | 90   |     |
| PAKA          | GT4A | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 84   | 85   | 94   | 93   | 93   | 93   | 93   | 93   | 93   | 93   |     |
| PAKA          | GT4B | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 74   | 81   | 81   | 81   | 80   | 80   | 80   | 80   | 80   |     |
| PAKA          | ST4C | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 78   | 79   | 80   | 89   | 91   | 92   | 91   | 92   | 92   | 92   |     |
| PGLA          | GT11 | 158  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 96   | 126  | 198  | 223  | 211  | 181  | 219  | 223  | 221  |     |
| PGLA          | GT12 | 160  | 157  | 208  | 227  | 227  | 216  | 217  | 226  | 227  | 224  | 219  | 218  | 219  | 224  | 222  | 224  | 165  | 198  | 230  | 209  | 181  | 224  | 225  | 225  |     |
| PGLA          | ST10 | 108  | 89   | 94   | 112  | 114  | 110  | 108  | 109  | 111  | 112  | 109  | 109  | 109  | 109  | 107  | 105  | 87   | 213  | 247  | 240  | 210  | 248  | 250  | 250  |     |
| PGPS          | GT3A | 82   | 83   | 83   | 82   | 82   | 83   | 83   | 82   | 83   | 84   | 83   | 83   | 83   | 83   | 82   | 83   | 83   | 82   | 94   | 95   | 94   | 95   | 94   | 94   |     |
| PGPS          | GT3B | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 16   | 83   | 82   | 93   | 94   | 94   | 93   | 94   | 93   |     |
| PGPS          | ST3C | 37   | 37   | 36   | 36   | 36   | 36   | 37   | 37   | 36   | 37   | 36   | 36   | 36   | 36   | 36   | 36   | 37   | 57   | 91   | 93   | 93   | 94   | 94   | 94   |     |
| PLPS          | GT11 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 75   | 143  | 145  | 144  | 144  | 143  | 143  | 140  | 142  |     |

### Daily MW Generation on Tuesday

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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  |       |       |    |
|------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| SIHY             | HY01 | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 5     | 30    | 30    | 30    | 0     | 0     | 0     | 30    | 30    | 50    | 50    | 50    | 50    | 50    | 0     | 0     | 0     | 0     | 0     | 0     | 50    | 50    | 50    | 50    | 50    | 50    | 50    |    |
| SIHY             | HY02 | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 31    | 30    | 30    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |       |    |
| SIHY             | HY03 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 50    | 30    | 30    | 0     | 0     | 0     | 31    | 30    | 30    | 50    | 50    | 50    | 50    | 50    | 0     | 0     | 0     | 0     | 0     | 0     | 50    | 50    | 50    | 50    | 50    | 50    | 50 |
| SYPS             | HY01 | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 16    | 16    | 16    | 16    | 0     | 0     | 16    | 16    | 16    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 25    | 25    | 0     | 0     | 0     | 0     | 0     |    |
| SYPS             | HY02 | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 16    | 16    | 16    | 16    | 0     | 0     | 16    | 16    | 16    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 25    | 25    | 0     | 0     | 0     | 0     | 0     |    |
| SYPS             | HY03 | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 16    | 16    | 16    | 16    | 0     | 0     | 16    | 16    | 16    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 25    | 25    | 25    | 0     | 0     | 0     | 0     |    |
| SYPS             | HY04 | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 16    | 16    | 16    | 16    | 0     | 0     | 16    | 16    | 16    | 25    | 25    | 25    | 25    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 25    | 25    | 25    | 0     | 0     | 0     | 0     |    |
| TMGR             | HY01 | 34    | 31    | 30    | 28    | 30    | 32    | 31    | 31    | 35    | 40    | 33    | 34    | 32    | 33    | 29    | 38    | 37    | 35    | 30    | 33    | 44    | 42    | 59    | 63    | 57    | 57    | 57    | 39    | 41    | 43    | 41    | 40    | 39    | 38    | 37    | 39    | 36    | 34    | 36    | 41    | 44    | 40    | 38    | 40    | 38    | 36    | 47    | 41    |    |
| TMGR             | HY02 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 40    | 41    | 62    | 60    | 59    | 59    | 40    | 40    | 42    | 41    | 42    | 41    | 39    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |    |
| TMGR             | HY03 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |       |       |    |
| TMGR             | HY04 | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    | -1    |       |       |       |    |
| UPLA             | HY01 | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     |       |    |
| UPLA             | HY02 | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     |       |    |
| Total Hydro      |      | 629   | 528   | 505   | 498   | 503   | 509   | 509   | 543   | 512   | 521   | 509   | 512   | 529   | 410   | 266   | 297   | 295   | 255   | 220   | 227   | 379   | 502   | 697   | 679   | 640   | 540   | 560   | 632   | 678   | 691   | 867   | 865   | 859   | 848   | 399   | 242   | 171   | 167   | 171   | 180   | 187   | 379   | 519   | 472   | 517   | 513   | 563   | 435   |    |
| Total Distillate |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |    |
| PCUF             | CUPG | -1    | 0     | 0     | 1     | 0     | 0     | -1    | -1    | 0     | 1     | 0     | 0     | 1     | 0     | 1     | 0     | 0     | -1    | -1    | -1    | -1    | -2    | -3    | -2    | -2    | -2    | -3    | -3    | -3    | -3    | -4    | -3    | -2    | -2    | -3    | -2    | -1    | -2    | -2    | -2    | -3    | -2    | -3    | -2    | -3    | -2    | -3    |       |    |
| PCUF             | CUPK | 13    | 7     | 8     | 7     | 7     | 8     | 7     | 7     | 7     | 7     | 7     | 7     | 8     | 6     | 7     | 7     | 7     | 7     | 7     | 8     | 7     | 7     | 8     | 8     | 6     | 6     | 6     | 7     | 7     | 8     | 8     | 6     | 8     | 6     | 8     | 7     | 7     | 7     | 7     | 9     | 8     | 8     | 7     | 7     | 8     | 8     | 8     |       |    |
| Total Co-Gen     |      | 12    | 7     | 8     | 8     | 7     | 8     | 6     | 6     | 7     | 8     | 7     | 7     | 9     | 6     | 8     | 7     | 7     | 6     | 6     | 7     | 6     | 5     | 4     | 6     | 6     | 4     | 3     | 4     | 4     | 5     | 4     | 3     | 6     | 4     | 5     | 5     | 6     | 5     | 5     | 5     | 6     | 5     | 5     | 4     | 5     | 6     | 6     | 5     |    |
| Total Gen        |      | 14114 | 13732 | 13350 | 13161 | 12878 | 12758 | 12573 | 12533 | 12350 | 12443 | 12365 | 12270 | 12231 | 12171 | 11812 | 11940 | 12582 | 13835 | 14560 | 15070 | 15435 | 15885 | 16158 | 16248 | 16120 | 15928 | 15916 | 16131 | 16375 | 16589 | 16673 | 16718 | 16695 | 16479 | 15997 | 15437 | 14975 | 14799 | 14686 | 14951 | 15392 | 15727 | 15599 | 16549 | 15409 | 15212 | 15060 | 14784 |    |
| 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     |       |    |
| TIE-HVDC         |      | -29   | -29   | -29   | -29   | -29   | -29   | -30   | -30   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -28   | -28   | -30   | -30   | -28   | -28   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -29   | -28   | -28   | -30   | -30   | -29   | -29   | -29   | -30   | -30   | -29   | -29   | -29   |       |    |
| TIE-PLTG         |      | -25   | -25   | -41   | 5     | 3     | -25   | 11    | 18    | -52   | -70   | 38    | 12    | -25   | 1     | 53    | 40    | 5     | 23    | 31    | -4    | -51   | -16   | 25    | -42   | -1    | 7     | 9     | 2     | -37   | -81   | -45   | -15   | -5    | 43    | 6     | -10   | -10   | -9    | -10   | -40   | -76   | -15   | 21    | 6     | 8     | -29   | -66   | -90   |    |
| Interconnection  |      | -54   | -54   | -70   | -24   | -25   | -53   | -19   | -12   | -80   | -99   | 9     | -17   | -54   | -28   | 24    | 11    | -25   | -7    | 3     | -32   | -81   | -46   | -3    | -71   | -30   | -21   | -20   | -27   | -66   | -110  | -73   | -43   | -34   | 14    | -24   | -39   | -38   | -37   | -40   | -71   | -106  | -44   | -8    | -23   | -21   | -59   | -95   | -119  |    |
| System Total     |      | 14168 | 13786 | 13420 | 13185 | 12903 | 12811 | 12592 | 12545 | 12439 | 12542 | 12356 | 12287 | 12285 | 12199 | 11788 | 11929 | 12607 | 13842 | 14557 | 15102 | 15516 | 15931 | 16161 | 16319 | 16150 | 15949 | 15936 | 16158 | 16441 | 16699 | 16746 | 16761 | 16729 | 16465 | 16021 | 15476 | 15013 | 14836 | 14726 | 15022 | 15498 | 15771 | 15607 | 15572 | 15430 | 15271 | 15155 | 14903 |    |
| SRev ST-Coal     |      | 239   | 208   | 233   | 247   | 271   | 200   | 208   | 227   | 213   | 214   | 218   | 220   | 219   | 213   | 210   | 217   | 218   | 216   | 219   | 179   | 109   | 127   | 140   | 135   | 139   | 114   | 112   | 68    | 60    | 64    | 68    | 46    | 68    | 122   | 124   | 135   | 143   | 137   | 134   | 140   | 144   | 139   | 129   | 138   | 118   | 138   | 123   | 126   |    |
| SRev OCGT-Gas    |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 6     | 7     | 29    | 5     | 2     | 140   | 139   | 140   | 138   | 141   | 141   | 147   | 160   | 159   | 268   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |    |
| SRev CCGT-Gas    |      | 533   | 510   | 856   | 955   | 1056  | 1175  | 1394  | 1429  | 1598  | 1514  | 1575  | 1668  | 1730  | 1674  | 1895  | 2020  | 1811  | 1124  | 621   | 249   | 478   | 280   | 397   | 360   | 532   | 475   | 606   | 507   | 369   | 270   | 357   | 433   | 428   | 578   | 585   | 567   | 951   | 1168  | 1288  | 1026  | 589   | 451   | 534   | 344   | 548   | 722   | 299   | 296   |    |
| 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     |    |
| SRev Co-Gen      |      | 15    | 20    | 19    | 19    | 20    | 19    | 21    | 21    | 20    | 19    | 20    | 20    | 18    | 21    | 19    | 20    | 20    | 21    | 21    | 20    | 21    | 22    | 23    | 21    | 21    | 23    | 24    | 23    | 23    | 22    | 23    | 24    | 21    | 23    | 22    | 22    | 21    | 22    | 22    | 22    | 21    | 21    | 22    | 22    | 23    | 22    | 21    | 22    |    |
| Syncon           |      | 598   | 598   | 598   | 598   | 598   | 598   | 447   | 598   | 598   | 598   | 472   | 321   | 472   | 472   | 472   | 472   | 422   | 573   | 573   | 472   | 538   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   | 472   |       |    |
| Hydro            |      | 220   | 221   | 94    | 101   | 96    | 90    | 90    | 227   | 87    | 78    | 90    | 88    | 222   | 90    | 234   | 203   | 205   | 295   | 178   | 171   | 269   | 345   | 202   | 220   | 209   | 232   | 244   | 273   | 170   | 170   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0  |
| S.Reserve Total  |      | 1605  | 1557  | 1800  | 1920  | 2041  | 2082  | 2311  | 2351  | 2516  | 2423  | 2501  | 2468  | 2510  | 2470  | 2830  | 2932  | 2726  | 2078  | 1612  | 1192  | 1355  | 1319  | 1263  | 1213  | 1375  | 1458  | 1717  | 1602  | 1508  | 1402  | 1380  | 1443  | 1476  | 1692  | 1822  | 1729  | 2041  | 2257  | 2370  | 2105  | 1664  | 1529  | 1463  | 1279  | 1369  | 1566  | 1077  | 1201  |    |