

## Availability at Daily Maximum Demand Hour

|              |           |
|--------------|-----------|
| ST-Coal      | 0 MW      |
| ST-Gas       | 0 MW      |
| ST-Oil       | 0 MW      |
| Hydro        | 2,513 MW  |
| Distillate   | 0 MW      |
| Total TNB    | 2,513 MW  |
| Total IPP    | 15,540 MW |
| Total Co-Gen | 0 MW      |
| Total System | 20,896 MW |

## Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 15,672         | 4.23 %          |
| Gas                     | 40,873         | 11.04 %         |
| <b>Total TNB</b>        | <b>56,545</b>  | <b>15.27 %</b>  |
| ST-Coal                 | 211,968        | 57.23 %         |
| LSS                     | 3,533          | 0.95 %          |
| Gas                     | 96,863         | 26.15 %         |
| <b>Total IPP</b>        | <b>312,364</b> | <b>84.34 %</b>  |
| Co-Gen                  | 1,289          | 0.35 %          |
| <b>Total Co-Gen</b>     | <b>1,289</b>   | <b>0.35 %</b>   |
| <b>Total Generation</b> | <b>370,198</b> | <b>99.95 %</b>  |
| PLTG                    | 272            | 0.07 %          |
| HVDC                    | -448           | -0.12 %         |
| <b>Interconnection</b>  | <b>-176</b>    | <b>-0.05 %</b>  |
| <b>Net Energy</b>       | <b>370,374</b> | <b>100.00 %</b> |

## Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 3/10/2020 | 18,808 MW   |
| Date: 3/10/2020 | 394,238 MWH |

## Set On Bus, TNB, IPP And MD

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 15:30:00 Hour |
| Total Set On Bus              | 18,761 MW     |
| TNB Generation                | 3,052 MW      |
| IPP Generation                | 14,388 MW     |
| Spinning Reserve              | 1,265 MW      |
| Maximum Demand                | 17,486 MW     |
| Net Energy                    | 370,374 MWH   |
| Load Factor                   | 88.25 %       |

## Fuel Cost

|               |                  |
|---------------|------------------|
| Total Cost:   | 78,980,027.96 RM |
| Cost per Unit | 21.33 cents/kWH  |

## Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 346          |
| Hydro        | 426          |
| Syncon       | 499          |
| Thermal      | 224          |
| <b>Total</b> | <b>1,495</b> |

| Time      | Weather | Temperature |
|-----------|---------|-------------|
| Afternoon | Hot     | 33          |
| Morning   | Sunny   | 23          |

## Gas Usage

| Station                   | (mmscfd)   |
|---------------------------|------------|
| GLGR                      | 48         |
| PGPS                      | 23         |
| TJGS                      | 108        |
| <b>Total TNB</b>          | <b>179</b> |
| CBPS                      | 54         |
| NPRI                      | 157        |
| PGLA                      | 111        |
| PLPS                      | 59         |
| SGB3                      | 34         |
| SKSP                      | 3          |
| <b>Total IPP</b>          | <b>418</b> |
| <b>Total Gas</b>          | <b>597</b> |
| <b>Total Gas Required</b> | <b>597</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 | 14930 | 14205 | 13709 | 13296 | 12934 | 12790 | 12969 | 13104 | 13657 | 15365 | 16159 | 16614 | 16486 | 16285 | 16916 | 17321 | 17476 | 17119 | 16150 | 16349 | 17081 | 16776 | 16370 | 15810 |

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, January 3, 2022 12:36:19 PM Head  
Grid System Operator

(Ir. Shanmugam Thoppalan)

### Daily MW Generation on Wednesday

|               |      | 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 | 706  | 705  | 709  | 707  | 706  | 707  | 706  | 705  | 706  | 672  | 657  | 657  | 695  | 697  | 696  | 697  | 695  | 694  | 699  | 696  | 698  | 697  | 697  | 697  | 696  | 697  | 698  | 696  | 697  | 696  | 698  | 697  | 654  | 607  | 694  | 698  | 697  | 696  | 697  | 695  | 694  | 658  | 654  | 616  |      |      |      |      |     |
| JMAH          | U002 | 705  | 705  | 703  | 706  | 707  | 705  | 706  | 703  | 703  | 669  | 657  | 655  | 696  | 691  | 690  | 696  | 693  | 698  | 695  | 694  | 697  | 697  | 696  | 696  | 694  | 697  | 696  | 696  | 697  | 697  | 698  | 695  | 696  | 695  | 654  | 601  | 690  | 696  | 696  | 697  | 692  | 694  | 697  | 652  | 655  | 615  |      |      |     |
| JMHE          | U001 | 978  | 896  | 901  | 899  | 898  | 899  | 849  | 848  | 852  | 854  | 851  | 850  | 849  | 847  | 849  | 850  | 846  | 948  | 978  | 976  | 975  | 976  | 980  | 981  | 978  | 980  | 979  | 980  | 981  | 978  | 976  | 982  | 975  | 971  | 973  | 972  | 972  | 974  | 971  | 976  | 972  | 975  | 972  | 972  | 970  | 974  | 969  | 973  |     |
| JMHE          | U002 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 41   | 132  | 175  | 402  | 506  | 733  | 820  | 333  | 306  | 315  | 325  | 477  | 499  | 500  | 500  | 640  | 699  |      |     |
| JMJG          | U001 | 661  | 623  | 598  | 524  | 433  | 430  | 427  | 432  | 425  | 427  | 428  | 427  | 425  | 427  | 429  | 427  | 474  | 560  | 644  | 671  | 672  | 668  | 673  | 668  | 672  | 673  | 673  | 671  | 670  | 669  | 670  | 672  | 673  | 673  | 671  | 669  | 676  | 667  | 671  | 667  | 676  | 676  | 673  | 672  | 673  | 671  | 671  |      |     |
| JMJG          | U002 | 661  | 623  | 604  | 535  | 445  | 432  | 431  | 431  | 428  | 430  | 431  | 431  | 430  | 425  | 431  | 432  | 477  | 564  | 604  | 672  | 679  | 662  | 681  | 666  | 683  | 662  | 673  | 665  | 678  | 668  | 675  | 671  | 673  | 671  | 673  | 671  | 669  | 677  | 672  | 673  | 671  | 673  | 672  | 679  | 673  | 678  | 666  | 668  |     |
| JMJG          | U003 | 649  | 623  | 598  | 522  | 456  | 420  | 427  | 430  | 425  | 427  | 425  | 425  | 425  | 428  | 425  | 425  | 464  | 513  | 598  | 649  | 662  | 674  | 667  | 667  | 663  | 671  | 668  | 660  | 665  | 668  | 671  | 666  | 677  | 658  | 671  | 668  | 677  | 673  | 658  | 657  | 678  | 678  | 669  | 665  | 671  | 673  | 662  | 662  |     |
| JMJG          | U004 | 973  | 948  | 899  | 900  | 900  | 865  | 811  | 804  | 804  | 803  | 803  | 804  | 804  | 803  | 805  | 804  | 842  | 898  | 958  | 977  | 975  | 972  | 975  | 975  | 972  | 973  | 972  | 973  | 973  | 971  | 976  | 974  | 975  | 976  | 975  | 971  | 975  | 974  | 975  | 975  | 974  | 973  | 974  | 974  | 976  | 974  | 974  |      |     |
| JMJG          | U005 | 890  | 892  | 895  | 891  | 891  | 849  | 772  | 698  | 700  | 760  | 852  | 854  | 850  | 851  | 850  | 851  | 851  | 895  | 895  | 892  | 891  | 890  | 895  | 891  | 895  | 891  | 891  | 892  | 892  | 808  | 856  | 895  | 895  | 892  | 891  | 890  | 891  | 892  | 892  | 895  | 892  | 891  | 892  | 891  | 890  | 890  | 894  | 894  | 890 |
| PKLG          | U003 | 279  | 281  | 281  | 279  | 279  | 280  | 218  | 152  | 152  | 153  | 152  | 153  | 152  | 153  | 153  | 258  | 275  | 282  | 278  | 280  | 274  | 277  | 279  | 280  | 278  | 277  | 277  | 279  | 280  | 279  | 280  | 280  | 280  | 280  | 279  | 261  | 183  | 153  | 167  | 263  | 275  | 280  | 279  | 280  | 280  | 280  | 276  | 278  |     |
| PKLG          | U004 | 140  | 140  | 147  | 136  | 137  | 137  | 141  | 143  | 138  | 140  | 135  | 129  | 83   | 68   | 80   | 98   | 112  | 135  | 132  | 139  | 139  | 139  | 140  | 138  | 139  | 140  | 138  | 139  | 141  | 138  | 139  | 139  | 139  | 139  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  | 140  |      |     |
| PKLG          | U006 | 450  | 452  | 448  | 449  | 448  | 447  | 383  | 303  | 276  | 268  | 269  | 268  | 269  | 268  | 271  | 269  | 341  | 423  | 446  | 449  | 447  | 448  | 450  | 446  | 448  | 449  | 448  | 448  | 448  | 448  | 448  | 447  | 446  | 449  | 450  | 446  | 410  | 351  | 383  | 440  | 449  | 448  | 446  | 447  | 446  | 448  | 450  | 446  |     |
| TBIN          | U001 | 700  | 699  | 698  | 700  | 700  | 697  | 699  | 699  | 698  | 650  | 616  | 600  | 601  | 691  | 687  | 648  | 693  | 690  | 689  | 689  | 693  | 687  | 690  | 690  | 689  | 689  | 689  | 690  | 689  | 690  | 690  | 689  | 690  | 689  | 690  | 689  | 690  | 690  | 690  | 690  | 690  | 690  | 690  | 690  | 690  | 690  | 690  |      |     |
| TBIN          | U002 | 704  | 698  | 703  | 701  | 701  | 702  | 702  | 700  | 699  | 651  | 633  | 604  | 603  | 695  | 691  | 643  | 692  | 692  | 692  | 691  | 691  | 690  | 689  | 690  | 685  | 694  | 694  | 691  | 690  | 690  | 689  | 691  | 695  | 687  | 690  | 695  | 649  | 597  | 636  | 690  | 692  | 689  | 687  | 625  | 620  | 656  | 617  | 582  |     |
| TBIN          | U003 | 699  | 700  | 699  | 700  | 702  | 700  | 701  | 699  | 701  | 647  | 629  | 599  | 602  | 696  | 693  | 650  | 693  | 687  | 693  | 691  | 691  | 692  | 687  | 693  | 690  | 693  | 690  | 688  | 690  | 692  | 692  | 691  | 694  | 690  | 692  | 692  | 652  | 600  | 631  | 690  | 691  | 690  | 693  | 619  | 620  | 652  | 620  | 606  |     |
| Total ST-Coal |      | 9195 | 8985 | 8883 | 8649 | 8403 | 8270 | 7973 | 7753 | 7707 | 7551 | 7538 | 7456 | 7484 | 7740 | 7748 | 7644 | 8093 | 8616 | 8946 | 9145 | 9192 | 9169 | 9194 | 9177 | 9189 | 9183 | 9189 | 9165 | 9189 | 9094 | 9151 | 9235 | 9336 | 9340 | 9593 | 9669 | 9572 | 9267 | 9033 | 9317 | 9359 | 9379 | 9511 | 9330 | 9324 | 9367 | 9362 | 9281 |     |
| 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    |      |     |
| 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    |     |
| CBPS          | BLK2 | 362  | 372  | 369  | 367  | 374  | 370  | 372  | 369  | 365  | 369  | 363  | 370  | 370  | 362  | 361  | 362  | 353  | 357  | 369  | 365  | 363  | 365  | 363  | 365  | 363  | 365  | 355  | 361  | 369  | 364  | 367  | 364  | 363  | 365  | 361  | 365  | 363  | 352  | 271  | 265  | 357  | 358  | 354  | 347  | 360  | 349  | 354  | 353  | 354 |
| EMPP          | BLK1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 77   | 79   | 227  | 126  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 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          | BLK2 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 84   | 187  | 186  | 185  | 186  | 186  | 365  | 374  | 502  | 739  | 751  | 749  | 750  | 752  | 751  | 750  | 751  | 707  | 708  | 709  | 708  | 753  | 750  | 750  | 749  | 747  | 747  | 750  | 753  | 751  | 756  | 757  | 760  | 760  | 762  | 762  | 764  | 763  | 764  | 763  |     |
| EMPP          | BLK3 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 198  | 198  | 194  | 191  | 208  | 423  | 524  | 626  | 727  | 737  | 731  | 729  | 725  | 721  | 723  | 724  | 730  | 732  | 738  | 737  | 738  | 740  | 743  | 741  | 745  | 744  | 746  | 745  |      |      |     |
| GLGR          | GT01 | 68   | 66   | 67   | 68   | 68   | 68   | 67   | 68   | 68   | 69   | 68   | 68   | 68   | 67   | 67   | 68   | 68   | 102  | 105  | 103  | 103  | 104  | 103  | 65   | 68   | 68   | 67   | 67   | 66   | 90   | 103  | 105  | 102  | 93   | 66   | 67   | 68   | 68   | 67   | 97   | 105  | 91   | 68   | 67   | 67   | 67   | 68   |      |     |
| GLGR          | GT02 | 68   | 67   | 67   | 68   | 69   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 68   | 69   | 68   | 102  | 104  | 104  | 103  | 104  | 103  | 66   | 68   | 67   | 68   | 67   | 67   | 90   | 103  | 104  | 103  | 92   | 67   | 67   | 67   | 67   | 97   | 104  | 90   | 69   | 67   | 67   | 68   | 68   |      |      |     |
| GLGR          | ST1C | 71   | 72   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 71   | 87   | 94   | 93   | 93   | 93   | 93   | 93   | 93   | 74   | 71   | 71   | 72   | 72   | 72   | 82   | 95   | 95   | 95   | 91   | 72   | 72   | 72   | 72   | 71   | 86   | 93   | 90   | 72   | 71   | 72   | 71   | 71   |     |
| NPRI          | BLK1 | 512  | 515  | 514  | 519  | 526  | 520  | 520  | 524  | 519  | 519  | 519  | 518  | 520  | 509  | 506  | 517  | 499  | 514  | 527  | 520  | 514  | 520  | 521  | 511  | 515  | 505  | 512  | 521  | 517  | 514  | 510  | 523  | 520  | 518  | 514  | 512  | 515  | 526  | 521  | 518  | 510  | 509  | 499  | 520  | 498  | 511  | 505  | 509  |     |
| NPRI          | BLK2 | 495  | 518  | 521  | 522  | 529  | 524  | 527  | 527  | 523  | 507  | 501  | 521  | 524  | 499  | 492  | 522  | 479  | 506  | 536  | 524  | 500  | 523  | 524  | 501  | 519  | 487  | 499  | 526  | 521  | 519  | 501  | 523  | 522  | 521  | 513  | 496  | 523  | 524  | 525  | 518  | 510  | 492  | 479  | 523  | 480  | 514  | 491  | 494  |     |
| PCGP          | PGRG | 596  | 599  | 599  | 602  | 607  | 601  | 602  | 603  | 603  | 601  | 600  | 600  | 604  | 590  | 584  | 601  | 576  | 598  | 613  | 604  | 595  | 603  | 603  | 594  | 597  | 584  | 598  | 604  | 599  | 601  | 595  | 603  | 602  | 600  | 601  | 597  | 612  | 632  | 618  | 609  | 593  | 593  | 577  | 604  | 577  | 596  | 585  | 590  |     |
| PGLA          | GT11 | 215  | 217  | 217  | 218  | 219  | 218  | 217  | 218  | 218  | 218  | 218  | 219  | 219  | 214  | 164  | 221  | 210  | 215  | 220  | 217  | 214  | 216  | 216  | 213  | 215  | 211  | 213  | 203  | 215  | 214  | 213  | 216  | 215  | 210  | 190  | 168  | 170  | 212  | 215  | 214  | 214  | 185  | 188  | 181  | 216  | 183  | 167  |      |     |
| PGLA          | GT12 | 218  | 220  | 220  | 222  | 224  | 222  | 223  | 223  | 222  | 222  | 223  | 223  | 228  | 223  | 167  | 224  | 215  | 220  | 225  | 222  | 220  | 221  | 221  | 217  | 218  | 214  | 218  | 207  | 219  | 218  | 217  | 220  | 220  | 218  | 217  | 194  | 173  | 176  | 217  | 220  | 219  | 219  | 190  | 192  | 185  | 220  | 188  | 171  |     |
| PGLA          | ST10 | 235  | 240  | 238  | 237  | 240  | 238  | 238  | 239  | 237  | 236  | 234  | 239  | 238  | 236  | 203  | 233  | 233  | 235  | 240  | 238  | 237  | 240  | 240  | 240  | 241  | 237  | 239  | 219  | 241  | 242  | 240  | 242  | 243  | 243  | 241  | 234  | 208  | 208  | 228  | 240  | 238  | 237  | 229  | 217  | 214  | 236  | 214  | 203  |     |
| PGPS          | GT3A | 94   | 5    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |

# Daily MW Generation on Wednesday

| Station          | Unit | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| BSIA             | HY01 | 22   | 22   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| BSIA             | HY02 | 22   | 22   | 23   | 23   | 23   | 23   | 23   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 11   | 10   |
| BSIA             | HY03 | 22   | 22   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| CEND             | HY01 | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    |
| CEND             | HY02 | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    |
| CEND             | HY03 | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    |
| CEND             | HY04 | 8    | 7    | 8    | 8    | 8    | 7    | 7    | 8    | 7    | 8    | 8    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    |
| HTRG             | HY01 | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 0    | 0    | 63   | 62   | 62   | -1   | -1   | -1   |
| HTRG             | HY02 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| HTRG             | HY03 | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    |
| HTRG             | HY04 | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    |
| KNRG             | HY01 | 22   | 22   | 22   | 22   | 34   | 34   | 34   | 34   | 21   | 0    | 0    | 0    | 21   | 21   | 21   | 21   | 21   | 21   | 21   | 21   | 34   | 34   | 34   | 34   |
| KNRG             | HY02 | 22   | 22   | 22   | 23   | 35   | 35   | 35   | 35   | 21   | 22   | 22   | 22   | 22   | 23   | 22   | 23   | 22   | 22   | 23   | 23   | 35   | 35   | 35   | 35   |
| KNRG             | HY03 | 22   | 22   | 22   | 22   | 34   | 34   | 34   | 34   | 21   | 21   | 21   | 22   | 21   | 21   | 21   | 21   | 21   | 21   | 21   | 34   | 34   | 34   | 34   | 34   |
| KNYR             | HY01 | 57   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 92   | 92   | 92   | 92   | 58   | -1   | -1   | -1   | -1   |
| KNYR             | HY02 | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 54   | 57   | 61   | 58   | 57   | 59   | 19   | -1   | -1   | -1   | -1   | -1   |
| KNYR             | HY03 | 0    | 0    | 0    | 0    | 0    | 0    | 60   | 53   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 53   | 52   | 53   | 48   | 49   | 53   | 51   | 97   | 97   |
| KNYR             | HY04 | 57   | 98   | 73   | 76   | 101  | 71   | 99   | 100  | 59   | 59   | 58   | 59   | 82   | 58   | 60   | 62   | 57   | 59   | 100  | 58   | 58   | 62   | 59   | 63   |
| LPIA             | HY01 | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   |
| LPIA             | HY02 | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   | 22   |
| MNOR             | HY01 | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| PGAU             | HY01 | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 19   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   |
| PGAU             | HY03 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SIHY             | HY01 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SIHY             | HY02 | 0    | 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    | 0    | 0    |
| SYPS             | HY01 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SYPS             | HY02 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| SYPS             | HY04 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| TMGR             | HY01 | 11   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 83   | 82   | 33   | 34   | 40   | 42   | 78   | 42   |
| TMGR             | HY02 | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 85   | 85   | 86   | 85   | 85   | 85   | 35   | -1   |
| TMGR             | HY03 | 40   | 77   | 59   | 57   | 82   | 50   | 81   | 82   | 40   | 41   | 41   | 42   | 65   | 41   | 38   | 42   | 38   | 42   | 83   | 40   | 40   | 40   | 46   | 29   |
| TMGR             | HY04 | 30   | 31   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 33   | 33   | 32   | 33   | 30   | 32   | 83   | 33   |
| UJLI             | HY01 | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 91   | 88   | 182  | 192  | 192  | -1   | -1   | -1   |
| UJLI             | HY02 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | -1   | -1   | -1   | -1   | -1   | -1   | -1   | -1   | 195  | 197  | 90   | 88   | 95   | 96   | 94   | -1   |
| UPIA             | HY01 | 5    | 5    | 6    | 5    | 6    | 5    | 6    | 6    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    |
| UPIA             | HY02 | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    |
| Total Hydro      |      | 428  | 437  | 321  | 322  | 409  | 346  | 465  | 460  | 272  | 251  | 251  | 255  | 300  | 271  | 291  | 277  | 321  | 331  | 421  | 515  | 560  | 793  | 901  | 884  |
| 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    |
| BDLS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 4    | 7    | 8    | 14   | 15   | 17   | 22   | 24   | 25   | 25   |
| BKLS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| BSLS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3    | 8    | 13   | 18   | 22   | 26   | 29   | 32   | 32   | 32   |
| CHLS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 3    | 8    | 15   | 28   | 30   | 25   | 31   | 27   | 26   | 40   |
| GELS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 4    | 13   | 2    | 9    | 6    | 15   | 13   | 30   | 21   | 23   |
| GNLS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5    | 13   | 21   | 27   | 33   | 38   | 43   | 46   | 49   | 48   |
| JELS             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 6    | 10   | 13   | 18   | 23   | 21   | 25   | 14   | 27   | 12   |
| JLSL             | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 4    | 6    | 10   | 15   | 21   | 19   | 30   | 46   | 32   | 24   | 30   |

# Daily MW Generation on Wednesday

| Station | Unit | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KKLS    | LSS1 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 5    | 12   | 18   | 24   | 30   | 35   | 39   | 42   | 43   | 45   | 44 | 45 | 31 | 38 | 40 | 30 | 19 | 28 | 22 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |