

### Availability at Daily Maximum Demand Hour

|                     |                  |
|---------------------|------------------|
| ST-Coal             | 0 MW             |
| ST-Gas              | 0 MW             |
| ST-Oil              | 0 MW             |
| Hydro               | 2,151 MW         |
| Distillate          | 0 MW             |
| <b>Total TNB</b>    | <b>2,151 MW</b>  |
| <b>Total IPP</b>    | <b>19,823 MW</b> |
| Total Co-Gen        | 0 MW             |
| <b>Total System</b> | <b>24,331 MW</b> |

### Maximum Demand Record

|                 |             |
|-----------------|-------------|
| Date: 5/24/2022 | 19,183 MW   |
| Date: 5/24/2022 | 398,523 MWH |

### Gas Usage

| Station          | (mmscfd)   |
|------------------|------------|
| GLGR             | 38         |
| TJGS             | 52         |
| <b>Total TNB</b> | <b>89</b>  |
| CBPS             | 45         |
| EMPP             | 241        |
| NPRI             | 162        |
| PCGP             | 89         |
| PGLA             | 106        |
| SKSP             | 10         |
| SPGP             | 114        |
| PKLG             | 79         |
| <b>Total IPP</b> | <b>845</b> |
| <b>Total Gas</b> | <b>934</b> |

### Alternate Fuel Usage

| Station      | (mmscfd) |
|--------------|----------|
| <b>Total</b> | <b>0</b> |

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

|                               |               |
|-------------------------------|---------------|
| Daily Maximum Demand Hour at: | 20:30:00 Hour |
| Total Set On Bus              | 16,546 MW     |
| TNB Generation                | 2,657 MW      |
| IPP Generation                | 12,638 MW     |
| Spinning Reserve              | 1,211 MW      |
| Maximum Demand                | 15,300 MW     |
| Net Energy                    | 319,363 MWH   |
| Load Factor                   | 86.97 %       |

### Generation Mix

| Type                    | MWh            | Percentage      |
|-------------------------|----------------|-----------------|
| Hydro                   | 19,316         | 6.05 %          |
| Gas                     | 30,195         | 9.45 %          |
| <b>Total TNB</b>        | <b>49,511</b>  | <b>15.50 %</b>  |
| ST-Coal                 | 153,038        | 47.92 %         |
| ST-Gas                  | 8,392          | 2.63 %          |
| LSS                     | 6,811          | 2.13 %          |
| Gas                     | 101,179        | 31.68 %         |
| <b>Total IPP</b>        | <b>269,420</b> | <b>84.36 %</b>  |
| Co-Gen                  | 659            | 0.21 %          |
| <b>Total Co-Gen</b>     | <b>659</b>     | <b>0.21 %</b>   |
| <b>Total Generation</b> | <b>319,590</b> | <b>100.07 %</b> |
| PLTG                    | 1,885          | 0.59 %          |
| HVDC                    | -1,658         | -0.52 %         |
| <b>Interconnection</b>  | <b>227</b>     | <b>0.07 %</b>   |
| <b>Net Energy</b>       | <b>319,363</b> | <b>100.00 %</b> |

### Fuel Cost

### Average Spinning Reserve During Peak Hour

| Type         | MW           |
|--------------|--------------|
| GT           | 299          |
| Hydro        | 477          |
| Syncon       | 419          |
| Thermal      | 628          |
| <b>Total</b> | <b>1,823</b> |

**Total Gas Required 934**

### Time Weather Temperature

|           |        |    |
|-----------|--------|----|
| Afternoon | Cloudy | 31 |
| Morning   | Cloudy | 24 |

### 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 | 14844 | 14195 | 13708 | 13218 | 12792 | 12600 | 12492 | 12068 | 11335 | 11490 | 11972 | 12394 | 12507 | 12658 | 12926 | 13259 | 13505 | 13550 | 13454 | 13876 | 15232 | 15286 | 15047 | 14780 |





### 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  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Total Co-Gen    |      | 13    | 8     | 9     | 9     | 9     | 7     | 8     | 30    | 28    | 30    | 29    | 29    | 30    | 29    | 28    | 30    | 28    | 29    | 28    | 29    | 32    | 29    | 30    | 29    | 30    | 31    | 39    | 27    | 27    | 31    | 41    | 25    | 22    | 22    | 21    | 23    | 24    | 23    | 24    | 38    | 40    | 39    | 39    | 41    | 43    | 41    | 40    |       |     |
| Total Gen       |      | 14840 | 14453 | 14174 | 13991 | 13674 | 13466 | 13159 | 12992 | 12829 | 12730 | 12570 | 12461 | 12455 | 12062 | 11534 | 11315 | 11339 | 11508 | 11666 | 11945 | 12252 | 12407 | 12515 | 12533 | 12559 | 12622 | 13022 | 13244 | 12996 | 13281 | 13443 | 13500 | 13562 | 13589 | 13516 | 13568 | 13503 | 13868 | 14979 | 15227 | 15335 | 15276 | 15235 | 15072 | 14980 | 14789 | 14510 |       |     |
| TIE-EGAT        |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |
| TIE-HVDC        |      | -28   | -30   | -30   | -29   | -28   | -28   | -29   | -29   | -28   | -28   | -29   | -29   | -29   | -29   | -28   | -99   | -97   | -97   | -96   | -100  | -97   | -96   | -99   | -99   | -97   | -100  | -97   | -97   | -97   | -96   | -98   | -97   | -99   | -97   | -96   | -97   | -99   | -97   | -99   | -99   | -97   | -97   | -99   | -99   | -97   | -99   | -29   | -30   | -30 |
| TIE-PLTG        |      | 24    | -8    | 9     | 7     | -6    | 65    | -29   | -30   | 66    | 7     | -1    | 31    | -2    | 64    | 23    | -15   | 9     | 105   | 115   | 120   | 69    | 109   | 110   | 106   | 125   | 82    | 61    | 206   | 415   | 52    | 119   | 76    | 93    | 107   | 139   | 172   | 210   | 124   | 91    | 122   | 94    | 134   | 87    | 114   | 124   | 14    | 39    | 24    |     |
| Interconnection |      | -4    | -39   | -21   | -22   | -34   | 37    | -59   | -60   | 37    | -21   | -30   | 3     | -31   | 34    | -6    | -44   | -20   | 6     | 18    | 23    | -27   | 9     | 13    | 10    | 26    | -18   | -36   | 106   | 318   | -45   | 22    | -21   | -5    | 10    | 39    | 75    | 114   | 27    | -8    | 25    | -5    | 35    | -10   | 18    | 25    | -15   | 9     | -6    |     |
| System Total    |      | 14844 | 14492 | 14195 | 14013 | 13708 | 13429 | 13218 | 13052 | 12792 | 12751 | 12600 | 12526 | 12492 | 12421 | 12068 | 11578 | 11335 | 11333 | 11490 | 11643 | 11972 | 12243 | 12394 | 12505 | 12507 | 12577 | 12658 | 12916 | 12926 | 13041 | 13259 | 13464 | 13505 | 13552 | 13550 | 13441 | 13454 | 13476 | 13876 | 14954 | 15232 | 15300 | 15286 | 15217 | 15047 | 14995 | 14780 | 14516 |     |
| SRev ST-Coal    |      | 280   | 435   | 477   | 572   | 608   | 619   | 699   | 698   | 698   | 685   | 707   | 742   | 752   | 749   | 790   | 793   | 786   | 801   | 803   | 804   | 810   | 800   | 807   | 806   | 804   | 802   | 802   | 820   | 805   | 834   | 768   | 693   | 623   | 552   | 599   | 682   | 523   | 488   | 430   | 280   | 230   | 196   | 269   | 240   | 290   | 303   | 311   | 385   |     |
| SRev CCGT-Gas   |      | 776   | 721   | 790   | 670   | 666   | 536   | 395   | 360   | 495   | 368   | 408   | 402   | 390   | 283   | 534   | 814   | 1011  | 645   | 493   | 499   | 381   | 236   | 247   | 230   | 262   | 228   | 160   | 139   | 166   | 425   | 325   | 301   | 263   | 154   | 188   | 177   | 275   | 478   | 810   | 573   | 465   | 349   | 211   | 219   | 283   | 188   | 187   | 179   |     |
| SRev LSS        |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |
| SRev ST-Gas     |      | 44    | 44    | 45    | 44    | 44    | 45    | 44    | 44    | 45    | 44    | 44    | 44    | 44    | 45    | 45    | 45    | 45    | 44    | 44    | 44    | 45    | 45    | 44    | 3     | -2    | -3    | -6    | -6    | -4    | -9    | -6    | -6    | 29    | -6    | 44    | 45    | 44    | 45    | 44    | 3     | -4    | -3    | -4    | -6    | -6    | -6    | -6    |       |     |
| SRev OCGT-Gas   |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |
| SRev Co-Gen     |      | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0   |
| Syncon          |      | 462   | 462   | 462   | 462   | 374   | 0     | 500   | 588   | 401   | 588   | 588   | 588   | 588   | 374   | 374   | 463   | 463   | 188   | 550   | 462   | 462   | 550   | 550   | 550   | 550   | 550   | 550   | 363   | 363   | 550   | 550   | 550   | 550   | 363   | 363   | 550   | 550   | 462   | 550   | 126   | 126   | 126   | 126   | 313   | 313   | 313   | 313   | 374   |     |
| Hydro           |      | 383   | 383   | 384   | 380   | 462   | 564   | 333   | 296   | 481   | 341   | 332   | 343   | 330   | 378   | 380   | 511   | 511   | 379   | 465   | 464   | 450   | 379   | 399   | 397   | 403   | 403   | 357   | 463   | 450   | 452   | 484   | 397   | 400   | 443   | 488   | 355   | 402   | 350   | 352   | 494   | 492   | 544   | 667   | 543   | 580   | 522   | 562   | 435   |     |
| S.Reserve Total |      | 2032  | 2132  | 2245  | 2215  | 2328  | 1851  | 2146  | 2073  | 2206  | 2114  | 2167  | 2206  | 2191  | 2002  | 2297  | 2713  | 2903  | 2145  | 2355  | 2360  | 2235  | 2010  | 2047  | 1986  | 2017  | 1980  | 1863  | 1779  | 1778  | 2257  | 2118  | 1935  | 1830  | 1541  | 1632  | 1808  | 1795  | 1909  | 2187  | 1517  | 1316  | 1211  | 1270  | 1311  | 1460  | 1320  | 1367  | 1367  |     |