

Availability At Daily Maximum Demand Hour

| | | |
|---------------------|---------------|-----------|
| ST-Coal | 1,380 | MW |
| ST-Gas | 0 | MW |
| ST-Oil | 140 | MW |
| Gas | 3,696 | MW |
| Hydro | 1,680 | MW |
| Distillate | 0 | MW |
| Total TNB | 6,896 | MW |
| Total IPP | 10,919 | MW |
| Total Co-Gen | 90 | MW |
| System Total | 18,465 | MW |

Set On Bus, TNB, IPP And MD

| | | |
|--------------------------------------|---------|-----|
| At Daily Maximum Demand Hour : 21:00 | | |
| TNB Generation | 4,332 | MW |
| IPP Generation | 8,411 | MW |
| Total Set On Bus | 13,778 | MW |
| Maximum Demand | 12,820 | MW |
| Spinning Reserve | 945 | MW |
| Net Energy | 270,319 | MWH |
| Load Factor | 87.9 | % |

Maximum Demand Record

| | | |
|--------|------------|---------------|
| Date : | 20/06/2012 | 15,826.0 MW |
| Date : | 20/06/2012 | 328,716.0 MWH |

Hourly System MW Generation

| | 0000 | 0100 | 0200 | 0300 | 0400 | 0500 | 0600 | 0700 | 0800 | 0900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000 | 2100 | 2200 | 2300 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| System Total | 11674 | 11312 | 11140 | 10624 | 10398 | 10257 | 10163 | 10180 | 9673 | 10339 | 10977 | 11628 | 11757 | 11722 | 11942 | 11843 | 11835 | 11501 | 11276 | 11651 | 12753 | 12820 | 12546 | 12192 |

Gas Usage

| Station | (mmscfd) |
|------------------|------------|
| GLGR | 58 |
| PAKA | 42 |
| PGPS | 31 |
| TJGS | 196 |
| TNB Total | 326 |
| KLPP | 93 |
| MPSS | 49 |
| PGLA | 68 |
| SGB3 | 106 |
| SGRI | 36 |
| SKSP | 53 |
| YPGS | 30 |
| YPKA | 120 |
| IPP Total | 555 |
| Total Gas | 881 |

Total Gas Required : 896
Gas Calorific Value : 38.500

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|-----------|
| PGPS | 15 |
| Total | 15 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 32,523.00 | 12.03 % |
| ST-Oil | 1,435.00 | 0.53 % |
| Gas | 44,172.00 | 16.34 % |
| Hydro | 6,592.00 | 2.44 % |
| Total TNB | 84,722.0 | 31.34 % |
| ST-Coal | 110,345.0 | 40.82 % |
| Gas | 72,419.0 | 26.79 % |
| Total IPP | 182,764.0 | 67.61 % |
| Co-Gen | 2,357.0 | 0.87 % |
| Total Co-Gen | 2,357.0 | 0.87 % |
| Total Generation | 269,843.0 | 99.82 % |
| PLTG | 222.0 | 0.08 % |
| HVDC | -698.0 | -0.26 % |
| Interconnection | -476.0 | -0.18 % |
| Net Energy | 270,319.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|------------|
| GT | 166 |
| Hydro | 131 |
| Syncon | 490 |
| Thermal | 25 |
| Total | 812 |

Weather

| Weather | | Temperature |
|-----------|-------|-------------|
| Morning | Sunny | 26 |
| Afternoon | Hot | 33 |

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|----|---|---|---|
| TJGS | ST2C | 264 | 250 | 250 | 239 | 228 | 228 | 229 | 228 | 228 | 228 | 228 | 228 | 228 | 229 | 240 | 254 | 262 | 255 | 263 | 262 | 261 | 262 | 262 | 261 | 253 | 261 | 260 | 261 | 261 | 240 | 241 | 236 | 233 | 263 | 263 | 263 | 263 | 263 | 263 | 263 | 264 | | | | | | | | | | | | | | | | | |
| Total CCGT-Gas | | 5367 | 5164 | 4901 | 4820 | 4699 | 4449 | 4297 | 4183 | 4069 | 4110 | 4074 | 4025 | 4100 | 4111 | 4092 | 4001 | 3959 | 4070 | 4037 | 4251 | 4546 | 4780 | 5256 | 5179 | 5437 | 5266 | 5259 | 5388 | 5419 | 5370 | 5295 | 5380 | 5172 | 5317 | 5109 | 4856 | 4824 | 4996 | 5117 | 5737 | 5907 | 5946 | 5948 | 5951 | 5950 | 5812 | 5628 | 5420 | | | | | | | | | | |
| BSIA | HY03 | 8 | 12 | 10 | 11 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 11 | 11 | 11 | 10 | 9 | 11 | 11 | 12 | 10 | 12 | 10 | 11 | 10 | 11 | 10 | 11 | 14 | 9 | 10 | 12 | 12 | 11 | 13 | 13 | 10 | 11 | 10 | 11 | 10 | 10 | 9 | 10 | | | | | | | | | | | | | | | |
| CEND | HY01 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | | |
| CEND | HY02 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | | | | |
| CEND | HY03 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | | | |
| KNRG | HY01 | 26 | 33 | 31 | 32 | 33 | 30 | 32 | 32 | 32 | 33 | 29 | 33 | 33 | 33 | 30 | 30 | 32 | 33 | 33 | 32 | 33 | 33 | 31 | 33 | 31 | 33 | 31 | 33 | 30 | 32 | 32 | 34 | 30 | 28 | 34 | 33 | 33 | 34 | 34 | 30 | 32 | 32 | 32 | 29 | 31 | 30 | 30 | | | | | | | | | | | |
| KNYR | HY01 | -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 | -1 | -1 | -1 | -1 | -1 | | | | | | | |
| KNYR | HY02 | 45 | 99 | 56 | 59 | 66 | 55 | 61 | 64 | 70 | 62 | 85 | 56 | 99 | 83 | 72 | 52 | 55 | 62 | 62 | 66 | 60 | 99 | 69 | 64 | 71 | 73 | 99 | 71 | 99 | 61 | 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| KNYR | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| KNYR | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| LPIA | HY02 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | | | |
| MNOR | HY01 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | |
| PGAU | HY01 | -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 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | |
| PGAU | HY02 | -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 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| PGAU | HY04 | -1 | -1 | -1 | -1 | -1 | -1 | 30 | -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 | | | | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | -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 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| TMGR | HY02 | 27 | 37 | 30 | 33 | 33 | 29 | 34 | 33 | 37 | 37 | 36 | 30 | 37 | 38 | 35 | 31 | 32 | 39 | 38 | 43 | 35 | 45 | 40 | 37 | 40 | 34 | 40 | 32 | 39 | 31 | 36 | 35 | 49 | 27 | 26 | 39 | 36 | 32 | 40 | 45 | 29 | 35 | 32 | 34 | 27 | 29 | 26 | 33 | | | | | | | | | | |
| 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 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | | | | |
| UPIA | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 Hydro | | 136 | 212 | 158 | 165 | 174 | 155 | 169 | 202 | 181 | 195 | 196 | 156 | 211 | 196 | 182 | 154 | 157 | 175 | 172 | 203 | 193 | 221 | 184 | 173 | 187 | 179 | 214 | 175 | 244 | 319 | 331 | 239 | 310 | 213 | 210 | 276 | 249 | 240 | 284 | 583 | 656 | 622 | 673 | 546 | 407 | 414 | 405 | 419 | | | | | | | | | | |
| PCUF | CUFG | 54 | 51 | 51 | 50 | 51 | 50 | 52 | 52 | 53 | 54 | 47 | 52 | 50 | 54 | 50 | 50 | 51 | 51 | 52 | 54 | 52 | 52 | 51 | 52 | 50 | 51 | 52 | 52 | 51 | 51 | 52 | 51 | 51 | 51 | 50 | 50 | | | | | | | | | | | | | | | | | | | | | | |

Daily MW Generation On Sunday
09-Sep-2012

| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|-------------|
| Hydro | | 163 | 87 | 141 | 134 | 125 | 144 | 130 | 248 | 118 | 255 | 103 | 143 | 88 | 103 | 117 | 145 | 142 | 124 | 127 | 247 | 257 | 78 | 115 | 126 | 112 | 120 | 85 | 124 | 206 | 181 | 169 | 161 | 241 | 187 | 190 | 124 | 151 | 160 | 122 | 274 | 201 | 235 | 183 | 210 | 149 | 143 | 152 | 138 |
| S.Reserve Total | | 1823 | 1585 | 1909 | 1689 | 1814 | 2052 | 2236 | 2299 | 2464 | 2473 | 2612 | 2812 | 2743 | 2730 | 2759 | 2978 | 3020 | 2801 | 2565 | 2169 | 1888 | 1605 | 1180 | 1254 | 994 | 1181 | 1136 | 1046 | 947 | 1014 | 1081 | 990 | 1111 | 1090 | 1283 | 1471 | 1540 | 1692 | 1543 | 1051 | 1053 | 1019 | 945 | 984 | 1015 | 1002 | 1011 | 1175 |