

Availability At Daily Maximum Demand Hour

| | |
|---------------------|------------------|
| ST-Coal | 2,070 MW |
| ST-Gas | 0 MW |
| ST-Oil | 70 MW |
| Gas | 3,550 MW |
| Hydro | 1,832 MW |
| Distillate | 0 MW |
| Total TNB | 7,522 MW |
| Total IPP | 11,247 MW |
| Total Co-Gen | 65 MW |
| System Total | 18,834 MW |

Set On Bus, TNB, IPP And MD

| | |
|--------------------------------------|-------------|
| At Daily Maximum Demand Hour : 15:30 | |
| TNB Generation | 5,534 MW |
| IPP Generation | 10,039 MW |
| Total Set On Bus | 17,123 MW |
| Maximum Demand | 15,940 MW |
| Spinning Reserve | 1,485 MW |
| Net Energy | 324,842 MWH |
| Load Factor | 84.9 % |

Maximum Demand Record

| | | |
|--------|------------|---------------|
| Date : | 16/04/2013 | 16,356.0 MW |
| Date : | 16/04/2013 | 338,800.0 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 | 12421 | 11689 | 11135 | 10871 | 10662 | 10632 | 10856 | 10988 | 11667 | 13641 | 14638 | 15436 | 15356 | 15140 | 15835 | 15849 | 15915 | 15497 | 14351 | 14039 | 14918 | 14702 | 14179 | 13730 |

Gas Usage

| Station | (mmscfd) |
|------------------|--------------|
| CBPS | 64 |
| GLGR | 31 |
| PAKA | 90 |
| PGPS | 52 |
| SRDG | 32 |
| TJGS | 102 |
| TNB Total | 371 |
| KLPP | 104 |
| MPSS | 54 |
| PDPS | 27 |
| PGLA | 52 |
| PKLG | 19 |
| PLPS | 93 |
| PTEK | 18 |
| SGB3 | 68 |
| SGRI | 147 |
| SKSP | 53 |
| YPGS | 69 |
| YPKA | 69 |
| IPP Total | 773 |
| Total Gas | 1,143 |

Alternate Fuel Usage

| Station | (mmscfd) |
|--------------|------------|
| PGPS | 14 |
| PKLG | 109 |
| Total | 123 |

Generation Mix

| Type | MWh | Percentage |
|-------------------------|------------------|-----------------|
| ST-Coal | 49,409.00 | 15.21 % |
| ST-Oil | 1,291.00 | 0.40 % |
| Gas | 44,824.00 | 13.80 % |
| Hydro | 15,578.00 | 4.80 % |
| Total TNB | 111,102.0 | 34.20 % |
| ST-Coal | 98,865.0 | 30.43 % |
| ST-Oil | 10,636.0 | 3.27 % |
| Gas | 96,943.0 | 29.84 % |
| Total IPP | 206,444.0 | 63.55 % |
| Co-Gen | 1,852.0 | 0.57 % |
| Total Co-Gen | 1,852.0 | 0.57 % |
| Total Generation | 319,398.0 | 98.32 % |
| PLTG | -4,747.0 | -1.46 % |
| HVDC | -697.0 | -0.21 % |
| Interconnection | -5,444.0 | -1.68 % |
| Net Energy | 324,842.0 | 100.00 % |

Average SR During Peak Hour

| Type | MW |
|--------------|-------------|
| GT | 517 |
| Hydro | 109 |
| Syncon | 410 |
| Thermal | 27 |
| Total | 1063 |

Weather Temperature

| Weather | Temperature |
|-----------|-------------|
| Morning | Sunny 27 |
| Afternoon | Hot 32 |

Total Gas Required : 1,266
Gas Calorific Value : 38.500

| 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 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| SGB3 | GT33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SGB3 | ST34 | 70 | 70 | 70 | 68 | 67 | 67 | 67 | 62 | 62 | 62 | 62 | 66 | 66 | 66 | 135 | 152 | 217 | 221 | 223 | 223 | 223 | 223 | 223 | 223 |
| SGRI | GT11 | 131 | 123 | 109 | 58 | 58 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| SGRI | GT13 | 130 | 122 | 110 | 72 | 59 | 58 | 58 | 59 | 59 | 58 | 58 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| SGRI | ST14 | 147 | 141 | 135 | 112 | 92 | 93 | 92 | 91 | 91 | 91 | 91 | 91 | 90 | 90 | 90 | 90 | 92 | 92 | 91 | 91 | 93 | 90 | 90 | 93 |
| SGRI | GT21 | 131 | 124 | 109 | 112 | 58 | 58 | 58 | 59 | 59 | 58 | 58 | 58 | 58 | 101 | 59 | 80 | 109 | 109 | 108 | 108 | 108 | 109 | 109 | 109 |
| SGRI | GT22 | 132 | 125 | 113 | 114 | 60 | 61 | 61 | 60 | 60 | 61 | 61 | 61 | 61 | 61 | 61 | 79 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| SGRI | GT23 | 128 | 121 | 109 | 114 | 74 | 58 | 58 | 58 | 58 | 57 | 57 | 57 | 57 | 58 | 58 | 58 | 77 | 108 | 108 | 107 | 107 | 107 | 107 | 107 |
| SGRI | ST24 | 215 | 202 | 194 | 204 | 170 | 143 | 139 | 141 | 139 | 140 | 140 | 141 | 140 | 136 | 157 | 140 | 149 | 196 | 196 | 197 | 195 | 199 | 197 | 197 |
| YPGS | GT11 | 127 | 126 | 128 | 128 | 127 | 128 | 130 | 130 | 129 | 130 | 127 | 128 | 130 | 128 | 123 | 151 | 126 | 128 | 128 | 126 | 125 | 124 | 121 | 120 |
| YPGS | GT12 | 132 | 132 | 133 | 132 | 132 | 133 | 133 | 134 | 133 | 134 | 136 | 134 | 134 | 133 | 129 | 135 | 132 | 133 | 130 | 130 | 131 | 132 | 130 | 129 |
| YPGS | ST10 | 135 | 137 | 137 | 137 | 137 | 137 | 137 | 137 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 137 | 137 | 137 | 137 | 137 | 137 |
| YPKA | BLK1 | 182 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 203 | 199 | 199 | 198 | 198 | 195 | 195 | 195 | 195 | 194 | 194 | 194 |
| YPKA | BLK2 | 172 | 191 | 191 | 191 | 191 | 191 | 191 | 190 | 191 | 191 | 191 | 191 | 191 | 190 | 189 | 189 | 183 | 185 | 185 | 186 | 186 | 186 | 186 | 186 |
| PLPS | GT11 | 140 | 111 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 91 | 91 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| PLPS | GT12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 137 | 137 | 137 | 137 | 137 | 137 | 137 | 137 |
| PLPS | GT13 | 128 | 110 | 62 | 63 | 63 | 65 | 63 | 63 | 63 | 65 | 64 | 66 | 63 | 64 | 63 | 71 | 111 | 142 | 140 | 141 | 140 | 140 | 139 | 144 |
| PLPS | ST18 | 151 | 151 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 121 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 |
| SKSP | BLK1 | 221 | 212 | 241 | 236 | 229 | 219 | 227 | 252 | 249 | 236 | 215 | 244 | 247 | 258 | 213 | 215 | 327 | 341 | 334 | 297 | 339 | 339 | 339 | 334 |
| TJGS | GT1A | 215 | 214 | 161 | 118 | 123 | 108 | 125 | 152 | 145 | 131 | 111 | 133 | 144 | 151 | 110 | 114 | 216 | 225 | 229 | 228 | 225 | 225 | 225 | 226 |
| TJGS | GT1B | 205 | 200 | 151 | 107 | 108 | 96 | 113 | 142 | 131 | 120 | 97 | 123 | 133 | 140 | 95 | 101 | 204 | 212 | 218 | 222 | 222 | 222 | 221 | 216 |
| TJGS | ST1C | 256 | 228 | 202 | 166 | 157 | 161 | 154 | 181 | 172 | 161 | 167 | 165 | 187 | 187 | 164 | 157 | 205 | 237 | 256 | 256 | 256 | 256 | 256 | 256 |
| Total CCGT-Gas | | 5001 | 4669 | 4232 | 3989 | 3748 | 3690 | 3711 | 3825 | 3761 | 3715 | 3662 | 3792 | 3897 | 3909 | 3812 | 3849 | 4494 | 5175 | 5803 | 6029 | 5983 | 6098 | 6248 | 6303 |
| CBPS | GT03 | 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 | GT05 | 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 | GT06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PDPS | GT04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PKLG | GT08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PKLG | GT09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 99 | 104 | 121 | 119 | 122 | 120 | 120 |
| PTEK | 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 |
| PTEK | GT2A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PTEK | GT2B | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRDG | GT01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRDG | GT02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRDG | GT05 | 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 CCGT-Gas | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 251 | 327 | 600 | 922 | 978 | 973 | 975 | 974 |
| BSIA | HY01 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| CEND | HY02 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| CEND | HY03 | 9 | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 | 9 | 10 | 9 | 10 | 10 |
| KNRG | HY01 | 23 | 23 | 25 | 25 | 25 | 24 | 31 | 32 | 32 | 30 | 29 | 29 | 30 | 32 | 26 | 29 | 33 | 35 | 36 | 33 | 37 | 35 | 35 | 36 |
| KNRG | 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 |
| KNYR | 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 |
| KNYR | 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 |
| 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 |
| KNYR | HY04 | 80 | 78 | 83 | 95 | 81 | 80 | 82 | 103 | 91 | 81 | 80 | 84 | 88 | 96 | 77 | 77 | 93 | 63 | 67 | 97 | 105 | 105 | 101 | 105 |
| LPIA | HY01 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 19 | 20 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

