

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,117	MW
Hydro	1,609	MW
Distillate	760	MW
<b>Total TNB</b>	<b>6,841</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,462</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>70</b>	<b>MW</b>
<b>System Total</b>	<b>18,373</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,627 MW
IPP Generation	9,787 MW
Total Set On Bus	15,419 MW
Maximum Demand	14,474 MW
Spinning Reserve	935 MW
Net Energy	291,599 MWH
Load Factor	83.9 %

**Maximum Demand Record**

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	10802	10120	9759	9513	9429	9205	9489	9887	10760	12233	13207	13955	13801	13552	14236	14305	14445	14062	13126	12868	13840	13582	13097	12505

**Gas Usage**

Station	(mmscfd)
CBPS	3
GLGR	54
PAKA	129
PGPS	47
SRDG	4
TJGS	102
<b>TNB Total</b>	<b>339</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	33
PKLG	118
TJGS	50
<b>Total</b>	<b>202</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	27,358.00	9.38 %
ST-Oil	3,147.00	1.08 %
Gas	44,615.00	15.30 %
Hydro	10,895.00	3.74 %
Distillate	7,347.00	2.52 %
<b>Total TNB</b>	<b>93,362.0</b>	<b>32.02 %</b>
ST-Coal	90,259.0	30.95 %
ST-Gas	1,060.0	0.36 %
ST-Oil	11,548.0	3.96 %
Gas	94,129.0	32.28 %
<b>Total IPP</b>	<b>196,996.0</b>	<b>67.56 %</b>
Co-Gen	1,944.0	0.67 %
<b>Total Co-Gen</b>	<b>1,944.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>292,302.0</b>	<b>100.24 %</b>
PLTG	70.0	0.02 %
HVDC	633.0	0.22 %
<b>Interconnection</b>	<b>703.0</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>291,599.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	320
Hydro	156
Syncon	519
Thermal	8
<b>Total</b>	<b>1003</b>

KLPP	83
MPSS	43
PGLA	87
PLPS	99
SGB3	75
SGRI	103
SKSP	48
YPGS	33
YPKA	129
<b>IPP Total</b>	<b>701</b>

**Total Gas 1,040**

Total Gas Required : 1,242  
Gas Calorific Value : 38.500

**Weather Temperature**

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32



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
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT13	104	106	106	105	105	105	105	105	105	105	105	105	105	106	106	109	109	109	109	108	108	133	109	105
SGRI	ST14	67	65	65	65	66	66	67	67	66	66	65	66	66	65	69	66	135	193	222	220	226	225	223	227
SGRI	GT21	0	0	0	0	5	25	55	56	38	37	37	33	33	32	32	105	105	105	108	107	104	105	139	137
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	53	140	137	137	112	112	111	111
SGRI	ST24	0	0	0	0	0	0	0	0	0	5	10	15	17	63	63	62	61	62	53	71	145	149	149	134
YPGS	GT12	99	106	106	107	107	107	108	107	108	108	108	108	107	107	106	106	105	105	104	104	104	104	104	104
YPGS	ST10	65	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69
YPKA	BLK1	266	277	283	283	283	288	290	290	294	292	292	323	349	349	385	385	387	387	388	388	385	384	384	381
YPKA	BLK2	268	280	283	283	288	289	289	293	291	291	320	352	352	391	391	393	393	395	395	393	391	391	388	388
PLPS	GT11	135	135	135	137	135	102	101	102	102	102	102	102	101	135	140	140	141	141	140	140	139	139	137	137
PLPS	GT12	145	144	144	145	145	110	109	109	109	109	109	108	108	109	109	110	148	148	147	147	146	145	145	
PLPS	GT13	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	146	144	145	145	145	142	142	
PLPS	ST18	206	143	143	144	142	127	127	127	127	128	128	128	135	133	133	185	216	216	216	216	215	215	215	215
SKSP	BLK1	241	291	327	246	246	231	223	215	226	221	213	211	228	224	213	212	328	312	297	337	292	344	322	333
TJGS	GT1A	65	217	190	171	177	155	151	134	193	192	159	180	172	202	169	137	220	225	225	222	222	222	222	222
TJGS	ST1C	10	104	114	94	99	97	93	88	104	105	95	110	88	100	102	87	116	122	122	122	122	122	122	122
TJGS	GT2A	214	214	195	215	215	207	197	187	125	125	125	125	215	216	112	130	215	213	213	214	213	212	211	
TJGS	GT2B	209	209	187	210	211	202	192	179	121	119	119	119	213	210	109	124	211	211	211	208	207	210	206	
TJGS	ST2C	259	253	254	261	261	258	255	248	208	208	208	209	263	260	230	208	259	260	260	260	259	254	0	
<b>Total CCGT-Gas</b>		<b>4974</b>	<b>4710</b>	<b>4550</b>	<b>4364</b>	<b>4300</b>	<b>4202</b>	<b>4192</b>	<b>4126</b>	<b>4054</b>	<b>4043</b>	<b>3980</b>	<b>4081</b>	<b>4135</b>	<b>4423</b>	<b>4448</b>	<b>4308</b>	<b>4635</b>	<b>5486</b>	<b>6012</b>	<b>6584</b>	<b>6958</b>	<b>7140</b>	<b>7452</b>	
SRDG	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
<b>Total OCGT-Gas</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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
BSIA	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
BSIA	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
CEND	HY02	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	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	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	27	27	28	27	26	26	26	24	26	27	25	26	27	26	24	23	27	27	25	28	25	30	28	26
KNRG	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
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	69	95	60	96	57	89	72	65	88
KNYR	HY02	82	76	88	87	82	60	62	55	76	61	59	61	61	58	57	54	103	90	79	102	60	104	101	82
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	97	-1	102	101	63	101	60	101	95	101	80
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	18	21	18	17	17	17	17	17	17	17
LPIA	HY02	16	16	16	16	17	16	16	16	16	16	16	16	16	15	18	18	18	17	17	17	17	17	17	17
MINOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	7	7	7	7	7	7	7
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
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
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	41	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	30	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	24	24	24	24	24	24
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	25	25	25	25	25
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

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																												
TMGR	HY02	36	35	36	35	33	33	34	31	35	34	33	34	34	33	31	31	36	36	37	37	33	39	35	47	41	56	56	83	82	68	38	39	65	71	38	83	84	50	84	41	38	37	41	38	39	42	39	42				
TMGR	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	54	47	65	51	80	80	67	39	37	64	74	39	0	0	0	0	0	77	76	33	0	0	0	0				
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					
UPIA	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			
UPIA	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	4	4			
<b>Total Hydro</b>		<b>214</b>	<b>207</b>	<b>220</b>	<b>217</b>	<b>210</b>	<b>187</b>	<b>190</b>	<b>178</b>	<b>227</b>	<b>210</b>	<b>185</b>	<b>189</b>	<b>190</b>	<b>394</b>	<b>279</b>	<b>178</b>	<b>412</b>	<b>424</b>	<b>397</b>	<b>545</b>	<b>465</b>	<b>619</b>	<b>671</b>	<b>725</b>	<b>668</b>	<b>639</b>	<b>568</b>	<b>675</b>	<b>872</b>	<b>779</b>	<b>663</b>	<b>687</b>	<b>752</b>	<b>768</b>	<b>622</b>	<b>494</b>	<b>494</b>	<b>440</b>	<b>527</b>	<b>514</b>	<b>678</b>	<b>532</b>	<b>497</b>	<b>313</b>	<b>321</b>	<b>380</b>	<b>373</b>	<b>419</b>				
TJGS	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	0	0	202	223	222	221	222	222	221	222	221	221	223	221	223	223	223	223	223	223	223	223	223	223	224	223	224	223
TJGS	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	0	0	199	221	221	221	221	221	221	221	221	221	222	220	223	221	223	223	223	223	223	223	223	223	221	224	222	
TJGS	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	233	248	243	248	247	244	248	247	246	247	247	245	247	247	248	247	247	247	248	247	247	247	247	247	247	247
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>634</b>	<b>692</b>	<b>686</b>	<b>690</b>	<b>690</b>	<b>687</b>	<b>690</b>	<b>690</b>	<b>688</b>	<b>691</b>	<b>690</b>	<b>686</b>	<b>693</b>	<b>689</b>	<b>693</b>	<b>694</b>	<b>693</b>	<b>693</b>	<b>693</b>	<b>694</b>	<b>691</b>	<b>695</b>	<b>692</b>				
PCUF	CUFG	49	49	50	50	49	50	51	50	50	50	50	49	51	50	49	50	50	47	47	47	48	48	47	47	47	47	46	48	46	47	47	47	47	47	48	48	49	47	50	49	50	49	50	49	51	50	49	49	49			
PCUF	CUFK	28	28	27	28	25	28	27	28	27	27	28	28	29	28	28	30	29	27	29	27	26	27	25	24	25	24	23	25	24	23	23	23	23	23	25	25	25	24	27	25	28	27	27	27	27	27	29	28				
<b>Total Co-Gen</b>		<b>77</b>	<b>77</b>	<b>77</b>	<b>78</b>	<b>74</b>	<b>78</b>	<b>78</b>	<b>78</b>	<b>77</b>	<b>77</b>	<b>78</b>	<b>78</b>	<b>78</b>	<b>79</b>	<b>78</b>	<b>79</b>	<b>79</b>	<b>78</b>	<b>80</b>	<b>76</b>	<b>74</b>	<b>76</b>	<b>75</b>	<b>74</b>	<b>74</b>	<b>72</b>	<b>70</b>	<b>73</b>	<b>70</b>	<b>70</b>	<b>72</b>	<b>70</b>	<b>71</b>	<b>71</b>	<b>74</b>	<b>72</b>	<b>75</b>	<b>73</b>	<b>77</b>	<b>74</b>	<b>78</b>	<b>76</b>	<b>78</b>	<b>77</b>	<b>76</b>	<b>78</b>	<b>77</b>					
<b>Total Gen</b>		<b>10641</b>	<b>10320</b>	<b>10161</b>	<b>9957</b>	<b>9826</b>	<b>9547</b>	<b>9532</b>	<b>9444</b>	<b>9425</b>	<b>9395</b>	<b>9311</b>	<b>9425</b>	<b>9478</b>	<b>9972</b>	<b>9988</b>	<b>9938</b>	<b>10598</b>	<b>11622</b>	<b>12161</b>	<b>12888</b>	<b>13241</b>	<b>13605</b>	<b>13966</b>	<b>14063</b>	<b>13950</b>	<b>13709</b>	<b>13616</b>	<b>13786</b>	<b>14246</b>	<b>14484</b>	<b>14395</b>	<b>14420</b>	<b>14456</b>	<b>14311</b>	<b>14164</b>	<b>13565</b>	<b>13126</b>	<b>12885</b>	<b>12770</b>	<b>13548</b>	<b>13852</b>	<b>13678</b>	<b>13611</b>	<b>13234</b>	<b>13169</b>	<b>12863</b>	<b>12554</b>	<b>12422</b>				
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				
TIE-HVDC		-30	-30	-30	29	29	30	30	31	31	30	30	31	31	31	31	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	29	29	31	31	31	31	31	29					
TIE-PLTG		-131	-98	71	30	38	-57	-11	21	-35	5	76	22	-42	-11	71	-5	-193	-52	-103	-2	5	-48	-19	30	119	30	34	-52	-20	-20	60	1	-19	-4	72	-31	-31	2	-128	13	-18	18	0	6	41	-34	18	40				
<b>Interconnection</b>		<b>-161</b>	<b>-128</b>	<b>41</b>	<b>59</b>	<b>67</b>	<b>-27</b>	<b>19</b>	<b>52</b>	<b>-4</b>	<b>35</b>	<b>106</b>	<b>53</b>	<b>-11</b>	<b>19</b>	<b>101</b>	<b>26</b>	<b>-162</b>	<b>-21</b>	<b>-72</b>	<b>27</b>	<b>34</b>	<b>-18</b>	<b>11</b>	<b>60</b>	<b>149</b>	<b>60</b>	<b>64</b>	<b>-22</b>	<b>10</b>	<b>10</b>	<b>90</b>	<b>31</b>	<b>11</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>-98</b>	<b>43</b>	<b>12</b>	<b>47</b>	<b>29</b>	<b>37</b>	<b>72</b>	<b>-3</b>	<b>49</b>	<b>69</b>					
<b>System Total</b>		<b>10802</b>	<b>10448</b>	<b>10120</b>	<b>9898</b>	<b>9759</b>	<b>9574</b>	<b>9513</b>	<b>9392</b>	<b>9429</b>	<b>9360</b>	<b>9205</b>	<b>9372</b>	<b>9489</b>	<b>9953</b>	<b>9887</b>	<b>9912</b>	<b>10760</b>	<b>11643</b>	<b>12233</b>	<b>12861</b>	<b>13207</b>	<b>13623</b>	<b>13955</b>	<b>14003</b>	<b>13801</b>	<b>13649</b>	<b>13552</b>	<b>13808</b>	<b>14236</b>	<b>14474</b>	<b>14305</b>	<b>14389</b>	<b>14445</b>	<b>14285</b>	<b>14062</b>	<b>13565</b>	<b>13126</b>	<b>12853</b>	<b>12868</b>	<b>13505</b>	<b>13840</b>	<b>13631</b>	<b>13582</b>	<b>13197</b>	<b>13097</b>	<b>12866</b>	<b>12505</b>	<b>12353</b>				
SRev ST-Coal		28	98	160	226	232	231	235	224	231	233	234	230	231	236	223	175	182	32	-3	19	15	-8	5	6	14	14	18	15	22	-26	-4	24	21	86	-1	1	-5	-25	4	22	24	18	10	1	-67	-64	19	24				
SRev ST-Gas		8	8	-19	9	6	10	9	9	9	9	9	10	10	-11	-1	10	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			
SRev ST-Oil		29	33	34	35	59	58	58	57	57	57	58	58	58	58	58	58	6	3	0	13	1	-2	-3	-3	1	1	0	0	0	-1	0	0	-1	0	0	1	1	1	-1	0	3	3	2	1	2	-1	-3	-4				
SRev CCGT-Gas		566	760	555	741	945	1043	1053	1119	1191	1202	1265	1234	1390	1102	1077	1217	1030	619	883	566	538	446	164	279	323	497	572	509	300	245	197	202	263	330	412	586	735	952	1161	359	212	249	288	406	546	607	624	694				
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					
SRev 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	66	8	14	10	10	13	10	10	12	9	10	14	7	11	7	6	7	7	7	6	9	5	8			
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				
Syncon		731	731	731	731	731	731	731	731	580	580	731	731	731	474	625	731	625																																			