

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980 MW
ST-Gas	80 MW
ST-Oil	80 MW
Gas	3,636 MW
Hydro	1,609 MW
Distillate	700 MW
<b>Total TNB</b>	<b>8,085 MW</b>
<b>Total IPP</b>	<b>10,576 MW</b>
<b>Total Co-Gen</b>	<b>42 MW</b>
<b>System Total</b>	<b>18,703 MW</b>

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

At Daily Maximum Demand Hour : 15:30	
TNB Generation	6,315 MW
IPP Generation	8,486 MW
Total Set On Bus	15,700 MW
Maximum Demand	14,841 MW
Spinning Reserve	857 MW
Net Energy	307,500 MWH
Load Factor	86.3 %

**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	12096	11390	11000	10814	10677	10502	10801	10712	11108	12721	13640	14393	14347	14019	14127	14781	14752	14326	13283	13003	14078	13853	13369	13036

**Gas Usage**

Station	(mmscfd)
CBPS	45
GLGR	56
PAKA	140
PGPS	48
SRDG	6
TJGS	108
<b>TNB Total</b>	<b>403</b>
KLPP	16
PGLA	89
PLPS	80
SGB3	58
SGRI	57
SKSP	53
YPGS	34
YPKA	134
<b>IPP Total</b>	<b>521</b>
<b>Total Gas</b>	<b>924</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	4
PGLA	1
PGPS	9
PKLG	127
PLPS	14
SGB3	16
TJGS	69
<b>Total</b>	<b>239</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,376.00	15.41 %
ST-Oil	788.00	0.26 %
Gas	51,273.00	16.67 %
Hydro	19,964.00	6.49 %
Distillate	9,720.00	3.16 %
<b>Total TNB</b>	<b>129,121.0</b>	<b>41.99 %</b>
ST-Coal	90,940.0	29.57 %
ST-Gas	654.0	0.21 %
ST-Oil	12,482.0	4.06 %
Gas	68,013.0	22.12 %
Distillate	4,092.0	1.33 %
<b>Total IPP</b>	<b>176,181.0</b>	<b>57.29 %</b>
Co-Gen	1,443.0	0.47 %
<b>Total Co-Gen</b>	<b>1,443.0</b>	<b>0.47 %</b>
<b>Total Generation</b>	<b>306,745.0</b>	<b>99.75 %</b>
PLTG	-55.0	-0.02 %
HVDC	-700.0	-0.23 %
<b>Interconnection</b>	<b>-755.0</b>	<b>-0.25 %</b>
<b>Net Energy</b>	<b>307,500.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	399
Hydro	155
Syncon	357
Thermal	47
<b>Total</b>	<b>958</b>

**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		
YPGS	GT12	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	
YPGS	ST10	68	68	68	68	68	69	68	68	68	68	68	68	68	68	68	68	68	67	67	67	67	67	68	68	69	
YPKA	BLK1	376	376	374	374	376	376	376	376	369	378	378	378	378	376	376	378	378	376	376	370	370	374	374	377	378	
YPKA	BLK2	374	374	372	372	375	375	376	376	374	374	376	376	373	373	370	370	369	369	368	368	369	369	370	370	370	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	50	142	139	139	139	138	138	137	106	105	105	108	
PLPS	GT12	75	75	75	75	75	75	75	75	75	75	75	149	149	149	149	149	149	149	109	109	109	143	143	143	143	
PLPS	GT13	63	64	63	65	64	65	66	64	64	64	65	64	63	65	64	102	142	145	145	145	143	143	103	101	101	
PLPS	ST18	150	99	99	100	101	100	100	100	100	100	99	100	106	105	142	152	215	215	215	215	214	213	213	207	193	
SKSP	BLK1	259	343	286	345	332	296	339	291	211	214	218	234	249	328	263	213	214	213	282	336	328	341	341	340	324	
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT1B	164	164	164	164	164	164	164	164	164	164	164	165	165	165	165	165	165	165	165	164	164	155	155	155	147	
TJGS	ST1C	93	93	93	93	93	93	93	93	93	93	90	90	93	93	93	93	93	93	97	97	182	198	198	198	198	
TJGS	GT2A	0	0	0	0	0	127	128	127	126	161	161	160	161	161	161	217	216	214	214	213	225	0	0	0	0	0
TJGS	GT2B	0	0	0	0	0	116	38	122	123	156	157	155	156	154	157	156	154	216	213	211	211	221	0	0	0	0
TJGS	ST2C	0	0	0	0	0	192	91	177	209	225	225	226	226	265	263	263	262	232	0	0	0	0	0	0	0	0
Total CCGT-Gas		3802	3546	3421	3646	3636	3975	3818	3903	3882	3948	3965	3994	4014	4076	4022	4013	4258	4823	5491	5753	6167	6502	6735	6186	6117	
SRDG	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	0	
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	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	0	
Total CCGT-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	
BSIA	HY01	23	23	23	23	23	23	23	22	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	HY02	23	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	24	24	25	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	
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	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	9	
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
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	7	
KNRG	HY01	37	38	37	38	38	37	38	38	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	
KNYR	HY02	91	99	93	94	96	90	102	86	100	89	98	102	104	97	99	101	101	102	102	105	100	100	99	107	102	
KNYR	HY03	91	99	93	95	96	90	102	87	100	90	98	102	105	97	100	101	102	102	104	99	99	99	106	102	102	
KNYR	HY04	92	99	94	95	97	91	103	88	102	91	99	104	105	98	101	102	103	103	105	105	101	100	100	105	103	
LPIA	HY02	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
MNOR	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	
PGAU	HY01	-1	19	-1	-1	-1	-1	-1	-1	-1	20	-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	
PGAU	HY03	-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	0	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	25	25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	25	25	25	25	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	77	81	57	57	58	55	-1	-1	-1	-1	-1	69	35	-1	33	54	39	66	66	79	76	74	52	57	57	
TMGR	HY02	61	83	60	72	59	37	61	36	-1	-1	-1	74	70	35	36	35	41	40	67	70	82	80	75	55	55	
TMGR	HY03	77	81	56	77	58	55	60	53	34	29	33	34	76	77	33	34	22	47	38	63	66	78	79	73	50	
TMGR	HY04	60	78	58	67	55	37	58	35	42	37	55	77	80	40	40	44	35	40	40	61	62	76	76	71	50	
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	
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	
Total Hydro		845	938	809	856	801	703	733	632	645	580	649	665	791	796	691	664	558	769	770	857	864	919	1046	924	824	
KLPP	GT14	0	31	54	121	89	89	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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
PGLA	GT11	200	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	106	130	130	0	0	0	0	0	0	0	0	0	0	0	0	126	126	126	126	127	127	111	111	111
SGB3	GT33	109	128	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	139	140	139	139	139	139	139	139
TJGS	GT2A	227	227	227	22	41	0	0	0	0	0	0	0	0	0	0	225	227	226	225	224	225	224	224	224
TJGS	GT2B	224	224	224	118	118	0	0	0	0	0	0	0	0	0	0	223	221	224	221	221	222	222	221	221
TJGS	ST2C	245	245	245	80	80	0	0	0	0	0	0	0	0	0	0	250	248	247	248	247	248	248	247	247
<b>Total Distillate</b>		<b>1178</b>	<b>1140</b>	<b>902</b>	<b>341</b>	<b>328</b>	<b>89</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>698</b>	<b>696</b>	<b>697</b>	<b>694</b>	<b>692</b>	<b>695</b>	<b>820</b>	<b>932</b>	<b>958</b>	
PCUF	CUFG	19	17	18	17	16	18	18	18	17	18	17	17	18	18	18	15	16	15	14	15	15	14	15	14
PCUF	CUFK	39	40	38	41	40	39	40	37	38	38	39	42	39	40	40	41	42	39	39	38	40	38	39	34
<b>Total Co-Gen</b>		<b>58</b>	<b>57</b>	<b>56</b>	<b>58</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>55</b>	<b>56</b>	<b>55</b>	<b>57</b>	<b>59</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>58</b>	<b>59</b>	<b>57</b>	<b>55</b>	<b>54</b>	<b>52</b>	<b>55</b>	<b>53</b>	
<b>Total Gen</b>		<b>12060</b>	<b>11862</b>	<b>11386</b>	<b>11127</b>	<b>11024</b>	<b>11040</b>	<b>10848</b>	<b>10841</b>	<b>10648</b>	<b>10613</b>	<b>10436</b>	<b>10486</b>	<b>10672</b>	<b>10946</b>	<b>10813</b>	<b>10825</b>	<b>11167</b>	<b>11980</b>	<b>12686</b>	<b>13102</b>	<b>13576</b>	<b>14008</b>	<b>14349</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
TIE-HVDC		-29	-29	-29	-29	-28	-30	-30	-29	-30	-29	-29	-29	-29	-28	-28	-28	-30	-30	-29	-30	-30	-29	-29	-29
TIE-PLTG		-7	-73	25	-66	52	74	64	126	1	94	-37	-39	-100	26	130	-30	87	-44	-7	-52	-34	-14	-15	
<b>Interconnection</b>		<b>-36</b>	<b>-102</b>	<b>-4</b>	<b>-95</b>	<b>24</b>	<b>44</b>	<b>34</b>	<b>97</b>	<b>-29</b>	<b>65</b>	<b>-66</b>	<b>-68</b>	<b>-129</b>	<b>-3</b>	<b>101</b>	<b>-59</b>	<b>59</b>	<b>-72</b>	<b>-35</b>	<b>-82</b>	<b>-64</b>	<b>-43</b>	<b>-44</b>	
<b>System Total</b>		<b>12096</b>	<b>11964</b>	<b>11390</b>	<b>11222</b>	<b>11000</b>	<b>10996</b>	<b>10814</b>	<b>10744</b>	<b>10677</b>	<b>10548</b>	<b>10502</b>	<b>10554</b>	<b>10801</b>	<b>10949</b>	<b>10712</b>	<b>10884</b>	<b>11108</b>	<b>12052</b>	<b>12721</b>	<b>13184</b>	<b>13640</b>	<b>14051</b>	<b>14393</b>	
SRev ST-Coal		40	36	46	39	64	51	36	18	119	113	258	255	189	101	93	64	60	73	36	66	12	34	58	
SRev 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
SRev ST-Oil		8	8	11	10	8	8	6	6	65	64	64	64	64	64	13	7	9	11	10	9	12	10	11	11
SRev CCGT-Gas		1087	1113	1023	938	948	1309	1466	1381	1402	1336	1319	1290	1270	1208	1262	1361	1386	1191	793	741	557	432	449	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
SRev Distillate		162	150	158	449	462	1	84	0	0	0	0	0	0	0	0	2	4	3	6	8	5	20	48	
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
Syncon		453	302	453	453	453	539	539	474	625	474	625	539	453	453	539	453	453	302	453	453	453	302	302	
Hydro		131	189	167	120	175	223	107	208	260	174	256	89	49	130	235	176	418	207	357	119	112	57	231	
<b>S.Reserve Total</b>		<b>1881</b>	<b>1798</b>	<b>1858</b>	<b>2009</b>	<b>2110</b>	<b>2045</b>	<b>2238</b>	<b>2152</b>	<b>2320</b>	<b>2312</b>	<b>2371</b>	<b>2323</b>	<b>2111</b>	<b>1956</b>	<b>2107</b>	<b>2204</b>	<b>2330</b>	<b>1931</b>	<b>1497</b>	<b>1390</b>	<b>1144</b>	<b>985</b>	<b>1052</b>	