

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,295	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	3,696	MW
Hydro	1,535	MW
Distillate	700	MW
<b>Total TNB</b>	<b>7,386</b>	<b>MW</b>
<b>Total IPP</b>	<b>10,248</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>50</b>	<b>MW</b>
<b>System Total</b>	<b>17,684</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 11:30		
TNB Generation	6,154	MW
IPP Generation	8,764	MW
Total Set On Bus	15,665	MW
Maximum Demand	14,940	MW
Spinning Reserve	697	MW
Net Energy	306,949	MWH
Load Factor	85.6	%

**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	11710	11041	10661	10302	10061	9785	10303	10408	10957	12954	13944	14670	14521	14307	14795	14895	14847	14602	13555	13336	14125	13880	13407	12991

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	58
PAKA	136
PGPS	49
SRDG	36
TJGS	135
<b>TNB Total</b>	<b>461</b>
KLPP	4
PGLA	89
PKLG	2
PLPS	90
SGB3	68
SGRI	114
SKSP	54
YPGS	33
YPKA	125
<b>IPP Total</b>	<b>580</b>
<b>Total Gas</b>	<b>1,041</b>

Total Gas Required : 1,279  
Gas Calorific Value : 38,500

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	14
PKLG	130
PLPS	7
SGB3	14
SGRI	12
TJGS	61
<b>Total</b>	<b>238</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	30,734.00	10.01 %
ST-Oil	1,312.00	0.43 %
Gas	58,238.00	18.97 %
Hydro	21,381.00	6.97 %
Distillate	8,680.00	2.83 %
<b>Total TNB</b>	<b>120,345.0</b>	<b>39.21 %</b>
ST-Coal	91,648.0	29.86 %
ST-Oil	12,808.0	4.17 %
Gas	75,938.0	24.74 %
Distillate	4,246.0	1.38 %
<b>Total IPP</b>	<b>184,640.0</b>	<b>60.15 %</b>
Co-Gen	1,454.0	0.47 %
<b>Total Co-Gen</b>	<b>1,454.0</b>	<b>0.47 %</b>
<b>Total Generation</b>	<b>306,439.0</b>	<b>99.83 %</b>
PLTG	101.0	0.03 %
HVDC	-611.0	-0.20 %
<b>Interconnection</b>	<b>-510.0</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>306,949.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	440
Hydro	195
Syncon	213
Thermal	36
<b>Total</b>	<b>883</b>

	Weather	Temperature
Morning	Sunny	26
Afternoon	Rainy	30



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	ST10	65	69	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
YPKA	BLK1	244	271	271	279	279	279	279	277	277	277	302	334	369	378	378	378	378	376	376	374	374	371	371	372	
YPKA	BLK2	250	276	276	282	282	282	281	281	281	281	305	336	373	376	376	376	374	374	372	372	369	369	369	369	
PLPS	GT11	136	0	0	0	0	0	0	0	0	0	0	0	0	0	90	141	138	138	139	138	137	138	137	137	
PLPS	GT12	144	144	144	117	117	75	75	75	75	75	75	75	75	99	147	147	147	147	147	147	147	147	147	147	
PLPS	GT13	144	143	142	99	96	89	64	65	64	64	65	66	64	64	137	142	146	146	143	143	143	213	213	213	
PLPS	ST18	214	147	145	129	128	125	102	100	99	100	100	100	97	104	105	135	186	214	214	214	214	213	213	213	
SKSP	BLK1	301	340	212	231	215	213	215	214	214	212	213	210	342	320	213	214	325	346	295	334	323	339	340	339	
TJGS	GT1A	219	217	217	93	0	0	0	0	0	0	0	0	130	216	226	223	223	223	223	223	223	223	223	223	
TJGS	GT1B	209	209	209	209	209	211	212	167	125	113	113	113	163	142	127	122	126	210	219	219	219	219	219	219	
TJGS	ST1C	248	245	220	114	114	114	114	110	79	75	75	72	72	90	93	82	82	82	220	257	257	257	257	257	
TJGS	GT2A	216	215	217	215	217	198	185	183	184	183	183	181	183	180	183	183	217	216	215	214	213	213	0	0	
TJGS	GT2B	214	214	214	214	214	192	179	177	177	179	176	176	179	178	177	178	215	215	213	213	210	210	193	0	0
TJGS	ST2C	263	263	264	263	263	260	240	240	240	239	240	239	240	239	240	266	263	263	263	263	246	0	0	0	0
Total CCGT-Gas		5312	4943	4668	4273	4155	4013	3943	3884	3832	3813	3815	3812	4049	4159	4113	4166	4664	5495	6480	6930	7327	7370	7122	6672	
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	
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	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	
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	
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	0	0	0	0	0	0	0	0	
BSIA	HY01	22	22	22	22	22	22	22	22	10	10	10	20	20	12	12	21	21	21	21	21	21	22	22	22	
BSIA	HY02	22	21	22	22	22	22	22	22	10	10	10	20	20	12	12	20	20	20	20	20	20	22	22	22	
BSIA	HY03	22	23	22	23	22	22	22	22	10	11	11	21	20	11	12	21	21	21	21	21	24	23	23	23	
CEND	HY01	8	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	
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	
KNRG	HY01	35	36	35	36	37	34	36	35	36	36	35	36	36	36	35	35	37	37	34	36	37	37	36	36	
KNRG	HY02	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	38	38	38	38	37	37	37	37	37	37	38	38	37	37	37	37	37	37	37	37	37	37	37	37	
KNYR	HY02	54	100	61	102	86	51	93	55	63	90	57	97	103	82	57	57	90	106	94	100	103	106	106	98	
KNYR	HY03	94	103	97	102	100	92	100	93	99	100	55	100	102	100	97	57	96	106	94	101	104	107	106	106	
KNYR	HY04	72	93	88	102	100	92	75	54	59	63	64	83	92	96	56	56	79	105	95	102	104	105	105	105	
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
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	
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	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	
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	
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	
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	
TMGR	HY01	37	83	50	83	73	36	75	37	53	76	-1	-1	59	52	38	38	50	84	37	58	43	57	64	84	
TMGR	HY02	79	82	80	85	82	78	83	79	73	73	72	83	75	78	71	71	76	88	71	88	75	78	85	88	
TMGR	HY03	75	78	76	78	77	73	78	75	49	72	38	78	81	60	37	36	73	87	69	72	74	75	74	77	
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	
UPLA	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	
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	
Total Hydro		637	767	679	804	769	646	730	618	643	724	475	632	703	770	634	509	662	879	797	820	885	1053	1061	1393	

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	GT31	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	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
PLPS	GT11	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	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
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
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
<b>Total Distillate</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	18	18	17	19	18	19	18	18	19	18	19	19	18	19	19	17	17	15	16	15	14	14	15	15
PCUF	CUFK	38	34	37	37	39	38	40	37	38	37	37	34	38	36	38	38	36	37	39	38	36	38	38	38
<b>Total Co-Gen</b>		56	52	54	56	57	57	58	55	56	55	53	56	55	57	56	59	56	54	54	52	54	53	50	51
<b>Total Gen</b>		11662	11424	11055	10795	10629	10297	10253	10073	10035	10050	9782	9952	10288	10562	10393	10286	10952	12089	12985	13476	13933	14332	14633	14968
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	30	31	-29	-29	-29	-28	-29	-29	-29	-30	-30	-29	-29	-30	-29	-29	-29	-29	-29	-29	-30	-29	-29
TIE-PLTG		-77	4	-17	-36	-3	2	-21	29	3	-43	26	3	15	30	14	42	25	6	60	-13	18	62	-8	
<b>Interconnection</b>		-48	34	14	-65	-32	-27	-49	1	-26	-72	-3	-26	-15	0	-15	13	-5	-24	31	-42	-11	33	-37	
<b>System Total</b>		11710	11390	11041	10860	10661	10324	10302	10072	10061	10122	9785	9978	10303	10562	10408	10273	10957	12113	12954	13518	13944	14299	14670	
SRev ST-Coal		22	17	16	9	20	87	150	156	168	212	228	210	185	87	79	112	106	14	24	11	24	27	64	
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		18	18	27	26	29	29	28	28	31	35	35	35	35	32	26	27	7	2	-3	-3	-2	-2	7	
SRev CCGT-Gas		460	379	654	909	797	939	999	1198	1250	1269	1337	1340	1103	993	1038	985	842	936	661	631	234	191	209	
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
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
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		539	539	539	388	388	539	539	539	388	388	625	625	539	453	302	539	539	453	151	604	453	302	302	
Hydro		185	55	143	169	204	176	92	204	330	249	261	104	119	138	425	313	160	29	413	87	173	156	148	
<b>S.Reserve Total</b>		1224	1008	1379	1501	1438	1770	1808	2125	2164	2149	2486	2314	1981	1706	1876	1975	1674	1439	1251	1330	881	754	920	