

**Availability At Daily Maximum Demand Hour**

ST-Coal	1,980	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	4,081	MW
Hydro	1,853	MW
Distillate	60	MW
<b>Total TNB</b>	<b>8,124</b>	<b>MW</b>
<b>Total IPP</b>	<b>11,552</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>80</b>	<b>MW</b>
<b>System Total</b>	<b>20,306</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 15:00

TNB Generation	6,211	MW
IPP Generation	8,443	MW
Total Set On Bus	15,806	MW
Maximum Demand	14,735	MW
Spinning Reserve	1,072	MW
Net Energy	306,070	MWH
Load Factor	86.5	%

**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	11855	11255	10834	10772	10368	10318	10524	10681	11104	12811	13598	14132	14335	14061	14423	14735	14634	14361	13257	12939	13970	13702	13323	12760

**Gas Usage**

Station	(mmscfd)
CBPS	47
GLGR	51
PAKA	122
PGPS	53
SRDG	4
TJGS	148
<b>TNB Total</b>	<b>426</b>
KLPP	79
MPSS	53
PGLA	94
PLPS	97
SGB3	65
SGRI	32
SKSP	48
YPGS	34
YPKA	138
<b>IPP Total</b>	<b>640</b>
<b>Total Gas</b>	<b>1,066</b>

Total Gas Required : 1,066  
Gas Calorific Value : 38.500

**Generation Mix**

Type	MWh	Percentage
ST-Coal	46,528.00	15.20 %
Gas	56,393.00	18.42 %
Hydro	18,861.00	6.16 %
<b>Total TNB</b>	<b>121,782.0</b>	<b>39.79 %</b>
ST-Coal	95,452.0	31.19 %
Gas	85,981.0	28.09 %
<b>Total IPP</b>	<b>181,433.0</b>	<b>59.28 %</b>
Co-Gen	2,202.0	0.72 %
<b>Total Co-Gen</b>	<b>2,202.0</b>	<b>0.72 %</b>
<b>Total Generation</b>	<b>305,417.0</b>	<b>99.79 %</b>
PLTG	47.0	0.02 %
HVDC	-700.0	-0.23 %
<b>Interconnection</b>	<b>-653.0</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>306,070.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	415
Hydro	202
Syncon	277
Thermal	61
<b>Total</b>	<b>955</b>

**Weather Temperature**

	Weather	Temperature
Morning	Sunny	27
Afternoon	Hot	31



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
PLPS	GT12	109	73	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
PLPS	GT13	107	77	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
PLPS	ST18	197	173	155	154	153	154	154	155	154	153	154	154	153	205	216	215	214	214	214	215	215	215	215	215
SKSP	BLK1	228	212	215	213	214	214	230	251	218	242	234	250	252	234	212	213	212	242	212	244	212	257	241	228
TJGS	GT1B	114	114	114	114	114	114	114	114	114	114	114	114	114	167	224	224	224	221	221	221	221	221	221	221
TJGS	ST1C	75	75	75	75	75	75	75	75	75	75	75	75	75	86	121	121	121	121	121	121	121	121	121	121
TJGS	GT2A	206	187	186	186	185	187	203	206	186	208	188	211	209	198	186	186	186	210	185	217	216	214	216	215
TJGS	GT2B	198	182	182	179	179	181	199	199	180	201	183	206	202	192	181	181	181	205	181	216	216	214	214	214
TJGS	ST2C	241	240	240	241	242	240	244	247	243	250	249	247	251	259	240	240	245	240	263	264	263	264	263	264
Total CCGT-Gas		5146	4955	4940	4933	4919	4919	4989	5020	4930	5015	4959	5036	5026	4995	4909	4929	4931	5152	5916	6308	6616	6805	6918	6813
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	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	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	HY02	22	22	23	23	23	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	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
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	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	HY02	24	24	24	23	24	25	24	23	24	31	37	37	38	37	37	37	37	37	37	37	37	37	37	37
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	102	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	106	100	106	102	108	104	103	95	98
KNYR	HY02	99	100	0	0	0	0	0	0	0	0	0	0	0	0	105	99	105	100	108	102	101	93	96	103
KNYR	HY03	100	100	0	54	57	55	63	63	61	65	65	67	69	65	53	50	88	105	99	105	100	106	103	101
KNYR	HY04	101	0	0	0	0	0	0	0	0	0	0	0	0	0	107	100	107	103	106	106	105	97	100	104
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
MNOR	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	0	0	0	0	0	0	22	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	-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
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
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
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
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
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
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	-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	55	40	40	36	39	38	52	52	41	57	43	66	48	55	38	35	35	44	40	72	40	88	43	61
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
TMGR	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
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
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		562	446	145	194	200	186	231	230	210	214	206	237	221	338	195	189	317	574	630	689	696	869	969	1380
PCUF	CUFK	52	51	55	53	53	51	53	51	52	51	51	52	54	52	51	51	51	51	51	52	52	53	51	52
PCUF	CUFK	35	35	36	36	35	35	34	34	34	34	34	36	35	33	33	34	35	34	34	34	35	34	33	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																												
<b>Total Co-Gen</b>	87	86	91	89	88	88	85	87	85	86	85	87	87	85	85	87	87	84	85	86	82	83	81	83	80	80	84	82	83	81	81	81	83	85	84	86	84	85	86	88	86	85	86									
<b>Total Gen</b>	11784	11477	11170	11108	10828	10821	10700	10452	10329	10412	10334	10353	10464	10929	10738	10552	11114	11956	12773	13217	13540	13902	14098	14405	14342	14116	14009	14098	14425	14767	14734	14606	14622	14556	14345	13735	13269	12928	12871	13518	13909	13957	13761	13605	13237	13120	12744	12305				
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					
TIE-HVDC	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-31	-31	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29					
TIE-PLTG	-42	-76	-55	8	23	29	-42	-84	-11	-25	45	-67	-31	96	86	6	39	-35	-9	-6	-28	-35	-6	-24	36	4	-23	-57	33	71	29	7	17	-4	13	-44	40	-11	-39	-58	-32	-32	88	58	-56	57	13	-52				
<b>Interconnection</b>	-71	-106	-85	-21	-6	-1	-72	-112	-39	-54	16	-96	-60	67	57	-23	10	-64	-38	-36	-58	-63	-34	-53	7	-25	-52	-88	2	41	-1	-22	-12	-33	-16	-72	12	-40	-68	-87	-61	-61	59	28	-86	28	-16	-81				
<b>System Total</b>	11855	11583	11255	11129	10834	10822	10772	10564	10368	10466	10318	10449	10524	10862	10681	10575	11104	12020	12811	13253	13598	13965	14132	14458	14335	14141	14061	14186	14423	14726	14735	14628	14634	14589	14361	13807	13257	12968	12939	13605	13970	14018	13702	13577	13323	13092	12760	12386				
SRev ST-Coal	88	84	81	169	358	399	541	591	596	587	591	562	565	419	387	488	372	86	88	95	89	89	103	103	104	109	103	111	70	77	67	54	46	47	50	46	42	53	56	48	52	52	59	51	54	44	55	52				
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	0	0	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 CCGT-Gas	1579	1770	1785	1792	1806	1806	1736	1705	1795	1710	1766	1689	1699	1730	1816	1796	1794	1663	1039	707	539	465	352	457	442	576	693	672	401	288	407	411	324	375	392	527	666	936	727	286	288	255	317	560	817	711	655	1081				
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	67	59	84	40	40	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	0	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	0	0	0	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	388	388	499	499	499	499	499	348	499	499	499	499	499	348	499	499	388	388	388	388	388	388	388	237	237	388	237	237	237	237	237	237	237	237	388	539	625	625	237	388	388	474	388	388	388	388	388	388				
Hydro	104	110	80	141	135	149	254	256	275	121	129	98	114	148	140	146	129	92	118	59	137	114	304	229	317	249	397	319	306	260	302	288	257	272	284	252	182	158	68	432	240	223	221	251	263	254	204	171				
<b>S.Reserve Total</b>	2159	2352	2445	2601	2798	2853	3030	2900	3165	2917	2985	2848	2877	2645	2842	2929	2683	2229	1633	1249	1153	1056	1147	1026	1100	1322	1430	1339	1014	929	1072	1074	904	971	963	1213	1429	1772	1476	1003	968	918	1071	1250	1522	1397	1302	1692				