

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,146	MW
Hydro	1,830	MW
Distillate	1,095	MW
<b>Total TNB</b>	<b>8,281</b>	<b>MW</b>
<b>Total IPP</b>	<b>9,892</b>	<b>MW</b>
<b>Total Co-Gen</b>	<b>86</b>	<b>MW</b>
<b>System Total</b>	<b>18,259</b>	<b>MW</b>

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

At Daily Maximum Demand Hour : 14:30		
TNB Generation	6,414	MW
IPP Generation	8,464	MW
Total Set On Bus	15,935	MW
Maximum Demand	15,028	MW
Spinning Reserve	971	MW
Net Energy	312,235	MWH
Load Factor	86.6	%

**Maximum Demand Record**

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	12367	11704	11224	10948	10625	10607	10858	11055	11425	13356	14108	14872	14817	14493	14796	14898	14876	14375	13621	13915	13955	13738	13135	12700

**Gas Usage**

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	160
TJGS	112
<b>TNB Total</b>	<b>379</b>
KLPP	40
MPSS	56
PGLA	44
PLPS	80
SGB3	40
SGRI	38
SKSP	53
YPGS	70
YPKA	132
<b>IPP Total</b>	<b>552</b>
<b>Total Gas</b>	<b>931</b>

**Alternate Fuel Usage**

Station	(mmscfd)
KLPP	60
PDPS	19
PGLA	13
PGPS	40
PKLG	122
PLPS	27
PTEK	26
SGB3	43
SGRI	41
SRDG	16
TJGS	100
<b>Total</b>	<b>507</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,574.00	15.88 %
ST-Oil	1,339.00	0.43 %
Gas	48,776.00	15.62 %
Hydro	12,558.00	4.02 %
Distillate	18,914.00	6.06 %
<b>Total TNB</b>	<b>131,161.0</b>	<b>42.01 %</b>
ST-Coal	67,307.0	21.56 %
ST-Oil	11,954.0	3.83 %
Gas	71,696.0	22.96 %
Distillate	27,145.0	8.69 %
<b>Total IPP</b>	<b>178,102.0</b>	<b>57.04 %</b>
Co-Gen	2,336.0	0.75 %
<b>Total Co-Gen</b>	<b>2,336.0</b>	<b>0.75 %</b>
<b>Total Generation</b>	<b>311,599.0</b>	<b>99.80 %</b>
PLTG	58.0	0.02 %
HVDC	-694.0	-0.22 %
<b>Interconnection</b>	<b>-636.0</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>312,235.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	349
Hydro	216
Syncon	395
Thermal	6
<b>Total</b>	<b>965</b>

**Weather Temperature**

Weather	Temperature
Morning	Sunny 26
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
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
YPGS	ST10	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
YPKA	BLK1	366	366	366	366	367	368	368	366	367	369	369	367	367	366	366	370	370	369	369	365	365	361	363	363
YPKA	BLK2	372	372	371	371	371	372	372	370	371	371	372	372	370	370	369	372	372	369	369	365	365	359	359	355
PLPS	GT11	127	129	141	138	118	117	116	116	117	141	117	142	135	125	116	115	143	141	141	140	138	141	139	142
PLPS	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	GT13	124	124	145	135	114	112	111	112	113	146	113	142	131	122	112	112	146	146	144	144	144	144	144	144
PLPS	ST18	134	138	148	145	135	133	134	135	134	146	134	143	144	141	137	140	149	210	209	206	204	202	203	202
SKSP	BLK1	236	295	314	342	212	237	214	213	212	308	211	288	322	300	280	222	215	266	341	338	304	335	334	331
TJGS	GT1A	228	231	231	231	230	230	214	215	200	197	200	197	200	201	166	116	146	198	230	226	226	226	226	226
TJGS	GT1B	222	222	222	222	222	203	206	187	187	187	187	187	187	187	153	106	133	189	218	222	218	218	218	218
TJGS	ST1C	255	255	255	255	255	237	234	219	219	219	219	219	219	215	184	180	219	249	255	255	255	255	255	255
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
Total CCGT-Gas		5379	5240	5153	4987	4816	4785	4658	4660	4385	4571	4396	4599	4605	4768	4639	4306	4693	5182	5545	5758	5796	5877	5889	5884
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
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	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
Total 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
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	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	12	10	11	11	12	11	11	11	12	12	11	12	9	11	11	11	15	14	12	13	13	13	13	12
CEND	HY02	9	10	9	10	9	10	9	10	10	10	9	9	10	10	10	10	10	9	9	10	10	9	10	10
CEND	HY03	9	9	10	10	9	10	9	10	10	10	10	9	9	9	9	10	10	10	10	10	10	10	10	10
KNRG	HY01	35	34	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	21	20	34	35	33	35	36
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	0	0	0	0	0	0	0	0	0
KNYR	HY02	83	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	99	99	98	99	99	99	99
KNYR	HY03	67	56	62	59	64	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	73	56	99	70	70	66	61	60	63	79	75	62	60	100	49	65	55	53	98	98	58	98	98	81
LPJA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	5	5	5	5	5
PGAU	HY01	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	10	117	78	81	111	129	112	-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
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	38	30	35	33	37	35	35	34	35	36	36	35	33	39	24	36	27	26	51	74	39	79	80	56
TMGR	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
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	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		349	289	286	274	261	253	185	188	207	203	187	183	253	159	212	170	352	540	752	680	959	1130	1325	1218
KLPP	GT13	126	127	0	0	0	0	0	0	0	0	0	0	0	65	71	126	126	125	125	125	125	125	125	125

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
KLPP	GT14	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT15	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
PGLA	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
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	GT3B	92	93	92	93	93	93	93	93	92	93	94	93	94	93	93	92	91	91	91	91	90	92	93	92
PGPS	ST3C	41	41	41	41	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	41	40
PTEK	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
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	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
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
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
SGRI	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
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
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	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
PLPS	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
TJGS	GT2A	172	171	173	172	173	173	174	172	174	173	173	172	173	172	227	231	227	228	229	228	228	227	226	228
TJGS	GT2B	167	166	169	167	167	168	167	167	166	168	167	169	167	168	167	166	224	224	224	222	221	222	222	222
TJGS	ST2C	212	211	211	212	212	211	211	211	211	211	211	211	211	211	245	240	245	245	245	245	245	245	245	245
Total Distillate		938	809	686	685	687	687	685	685	686	685	687	686	685	686	748	957	1278	1481	1480	1918	2040	2065	2069	
PCUF	CUFG	51	51	51	50	51	51	51	51	51	51	50	50	51	52	51	52	50	51	49	48	47	50	50	
PCUF	CUFK	41	41	41	41	40	40	41	39	41	39	41	41	40	41	39	40	41	41	41	40	40	40	40	
Total Co-Gen		92	92	92	91	91	91	92	90	92	91	90	92	91	91	93	90	92	90	89	86	90	90	88	
Total Gen		12170	11843	11634	11373	11150	11073	10894	10886	10625	10829	10522	10804	10852	11163	11082	10912	11446	12447	13217	13688	14049	14522	14824	
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	
TIE-HVDC		-29	-29	-29	-29	-28	-28	-29	-30	-30	-30	-30	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-168	19	-41	70	-45	-18	-26	17	29	-22	-55	-29	24	-104	56	3	50	32	-111	-91	-30	-53		
Interconnection		-197	-10	-70	41	-74	-46	-54	-12	0	-52	-85	-59	-6	-134	27	-26	21	4	-139	-120	-59	-81		
System Total		12367	11853	11704	11332	11224	11119	10948	10898	10625	10881	10607	10863	10858	11297	11055	10938	11425	12443	13356	13808	14108	14603		
SRev ST-Coal		-5	-5	-9	9	-29	8	-7	-1	-10	-8	121	157	119	42	-16	-9	13	2	-12	-8	-19	-13		
SRev ST-Oil		4	3	3	5	4	5	5	5	5	3	3	3	3	3	9	4	4	3	3	3	3	3		
SRev CCGT-Gas		556	335	432	598	769	800	927	925	1200	1014	1189	986	980	817	946	1139	1132	583	490	572	339	258		
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		
SRev Distillate		17	156	149	150	148	148	150	150	149	150	148	149	150	149	227	158	117	54	55	243	121	96		
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		
Syncon		625	625	726	575	726	726	726	726	726	726	726	726	726	575	726	575	726	625	474	474	474	474		
Hydro		139	204	106	269	131	139	107	107	104	85	89	105	109	190	133	231	122	141	204	99	321	292		
S.Reserve Total		1341	1318	1407	1606	1749	1826	1906	1912	2175	1969	2278	2125	2086	1777	1947	2167	2155	1471	1213	1250	1361	1135		