

### Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,821 MW
Hydro	1,807 MW
Distillate	700 MW
<b>Total TNB</b>	<b>7,708 MW</b>
<b>Total IPP</b>	<b>11,454 MW</b>
<b>Total Co-Gen</b>	<b>41 MW</b>
<b>System Total</b>	<b>19,203 MW</b>

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

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,424 MW
IPP Generation	9,352 MW
Total Set On Bus	15,842 MW
Maximum Demand	14,869 MW
Spinning Reserve	1,025 MW
Net Energy	309,129 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	12129	11320	11035	10754	10543	10556	10776	10978	11155	12861	13795	14481	14321	14078	14532	14853	14869	14507	13475	13306	14063	13805	13328	12846

### Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	59
PAKA	133
PGPS	43
TJGS	70
<b>TNB Total</b>	<b>354</b>
KLPP	50
MPSS	54
PGLA	89
PLPS	113
SGB3	67
SGRI	81
SKSP	55
YPKA	69
<b>IPP Total</b>	<b>579</b>
<b>Total Gas</b>	<b>933</b>

Total Gas Required : 1,229  
Gas Calorific Value : 38.500

### Alternate Fuel Usage

Station	(mmscfd)
KLPP	35
PKLG	134
SGB3	13
SGRI	26
TJGS	91
<b>Total</b>	<b>300</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	33,098.00	10.71 %
Gas	44,904.00	14.53 %
Hydro	17,471.00	5.65 %
Distillate	12,274.00	3.97 %
<b>Total TNB</b>	<b>107,747.0</b>	<b>34.86 %</b>
ST-Coal	103,181.0	33.38 %
ST-Oil	13,228.0	4.28 %
Gas	74,547.0	24.12 %
Distillate	9,311.0	3.01 %
<b>Total IPP</b>	<b>200,267.0</b>	<b>64.78 %</b>
Co-Gen	1,234.0	0.40 %
<b>Total Co-Gen</b>	<b>1,234.0</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>309,248.0</b>	<b>100.04 %</b>
PLTG	-375.0	-0.12 %
HVDC	494.0	0.16 %
<b>Interconnection</b>	<b>119.0</b>	<b>0.04 %</b>
<b>Net Energy</b>	<b>309,129.0</b>	<b>100.00 %</b>

### Average SR During Peak Hour

Type	MW
GT	351
Hydro	179
Syncon	381
Thermal	40
<b>Total</b>	<b>951</b>

### Weather Temperature

Weather	Temperature
Morning	Sunny 26
Afternoon	Hot 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																											
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	26	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																											
SGRI	GT21	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	GT1A	189	189	189	190	190	169	173	153	153	153	191	188	191	189	189	189	189	189	189	189	189	189	189	189																											
TJGS	GT1B	178	178	178	178	178	160	164	143	144	144	180	180	180	180	180	180	180	180	180	180	180	180	180	180																											
TJGS	ST1C	192	192	192	192	192	184	175	163	164	164	187	187	187	187	187	187	187	187	187	187	187	187	187	187																											
TJGS	GT2A	228	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	GT2B	224	116	117	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																											
TJGS	ST2C	244	180	77	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>		1411	1100	872	674	560	513	512	459	461	461	558	558	556	568	667	968	1186	1186	1185	1185	1188	1878	1853	1646	1648	1629	1321	1319	1319	1320	1320	1282	789	678	659	442	126	250	127	127	26	0	0	0	0						
PCUF	CUFG	17	16	16	13	12	11	12	14	19	19	20	19	20	19	20	18	19	19	17	16	16	15	15	15	15	15	14	16	16	16	15	15	16	15	16	16	15	15	15	18	18	20	20								
PCUF	CUFK	33	35	33	31	33	34	31	34	33	32	32	31	30	32	34	35	34	35	33	30	31	29	28	30	28	24	23	25	24	25	25	26	26	29	30	32	31	32	31	32	31	31	30	29	29						
<b>Total Co-Gen</b>		50	51	49	44	45	45	43	48	52	51	52	50	50	52	55	54	54	54	52	50	49	48	47	47	44	40	38	40	39	38	39	39	41	41	40	40	40	42	41	45	46	47	46	47	49	49	50	49			
<b>Total Gen</b>		12154	11879	11339	11336	11004	10955	10771	10620	10534	10564	10535	10693	10799	10978	10942	10914	11257	12135	12916	13339	13797	14155	14486	14691	14347	14193	14117	14274	14507	14769	14895	14800	14814	14824	14496	13913	13539	13227	13342	13709	14062	14157	13881	13667	13473	13385	12932	12789			
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		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		
TIE-PLTG		25	-1	19	25	-31	17	20	-17	-6	-16	-18	-86	26	40	-33	0	74	-29	28	9	-26	-57	-23	-5	0	0	13	-50	-52	-44	16	-37	-83	-46	-38	-52	37	51	8	36	-26	115	49	2	118	-80	60	-96			
<b>Interconnection</b>		25	-1	19	25	-31	17	20	-17	-6	-16	-18	-86	26	40	-33	31	104	0	58	38	5	-26	8	26	29	29	42	-21	-23	-15	45	-6	-52	-16	-8	-21	66	81	39	67	2	145	79	32	148	-50	89	-67			
<b>System Total</b>		12129	11880	11320	11311	11035	10938	10751	10637	10540	10580	10553	10779	10773	10938	10975	10883	11153	12135	12858	13301	13792	14181	14478	14665	14318	14164	14075	14295	14530	14784	14850	14806	14866	14840	14504	13934	13473	13146	13303	13642	14060	14012	13802	13635	13325	13435	12843	12856			
SRev ST-Coal		29	51	32	26	35	41	24	41	25	23	22	64	31	34	20	35	24	40	46	31	35	23	15	38	13	30	23	51	27	35	28	40	24	34	34	45	29	53	75	61	75	103	72	91	88	75	107	95			
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 ST-Oil		7	15	23	23	20	5	5	5	2	2	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	9	13	10	10	5	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
SRev CCGT-Gas		577	543	773	915	1128	1141	1278	1314	1332	1326	1338	1288	1223	1161	1145	1122	1200	762	780	623	484	313	223	179	236	340	244	211	211	361	297	302	301	218	292	356	552	616	817	981	398	416	229	171	446	816	759	923			
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	0	0	0	0
SRev Distillate		114	295	293	121	5	5	52	53	106	104	104	104	7	10	7	9	137	318	157	79	49	50	50	47	57	82	289	287	306	29	31	31	30	30	118	331	162	181	398	14	40	13	13	114	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	
Syncon		625	323	474	625	625	625	625	625	474	625	625	474	474	625	625	625	625	625	625	625	625	625	625	474	625	474	625	625	625	539	388	302	302	302	453	453	453	539	625	625	237	151	302	0	453	453	453	151	302	539	
Hydro		52	123	290	173	53	98	91	193	231	361	228	76	316	195	267	149	301	34	57	52	36	255	125	95	158	156	122	188	260	317	262	341	217	255	247	51	118	255	217	426	149	154	298	335	322	248	243	65			
<b>S.Reserve Total</b>		1404	1350	1885	1883	1866	1915	2075	2231	2321	2290	2320	2160	2054	1877	1916	1943	2290	1782	1669	1414	1232	1118	1041	836	1092	1242	1316	1286	1202	1049	924	1019	1028	993	1147	1325	1489	1733	1747	1636	967	689	1068	1168	1321	1299	1420	1631			