

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,608 MW
Hydro	1,817 MW
Distillate	0 MW
Total TNB	7,565 MW
Total IPP	9,853 MW
Total Co-Gen	91 MW
System Total	17,509 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,967 MW
IPP Generation	7,848 MW
Total Set On Bus	13,857 MW
Maximum Demand	13,159 MW
Spinning Reserve	951 MW
Net Energy	279,546 MWH
Load Factor	88.5 %

Maximum Demand Record

Date :	16/04/2013	16,356.0 MW
Date :	16/04/2013	338,800.0 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	12441	11855	11484	11081	10931	10771	10699	10485	10029	10380	11364	11952	11913	11889	11872	11898	11910	11712	11354	11762	12877	13159	12773	12755

Gas Usage

Station	(mmscfd)
CBPS	35
GLGR	32
PAKA	45
PGPS	42
SRDG	13
TJGS	110
TNB Total	277
KLPP	71
MPSS	2
PGLA	106
PKLG	6
PLPS	95
SGRI	167
SKSP	53
YPGS	61
YPKA	63
IPP Total	625
Total Gas	902

Total Gas Required : 1,002
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	100
Total	100

Generation Mix

Type	MWh	Percentage
ST-Coal	49,662.00	17.77 %
Gas	35,604.00	12.74 %
Hydro	9,006.00	3.22 %
Total TNB	94,272.0	33.72 %
ST-Coal	85,885.0	30.72 %
ST-Oil	9,657.0	3.45 %
Gas	81,876.0	29.29 %
Total IPP	177,418.0	63.47 %
Co-Gen	2,236.0	0.80 %
Total Co-Gen	2,236.0	0.80 %
Total Generation	273,926.0	97.99 %
PLTG	-4,923.0	-1.76 %
HVDC	-697.0	-0.25 %
Interconnection	-5,620.0	-2.01 %
Net Energy	279,546.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	271
Hydro	152
Syncon	432
Thermal	59
Total	914

Weather
Temperature

Morning	Sunny	26
Afternoon	Hot	36

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																									
System Total		12441	12251	11855	11517	11484	11294	11081	11055	10931	10842	10771	10528	10699	10562	10485	10014	10029	10380	10380	10929	11364	11578	11952	11863	11913	11897	11889	11885	11872	11901	11898	11896	11910	11708	11712	11569	11354	11235	11762	12739	12877	12994	13159	13079	12773	12885	12755	12299	
SRev ST-Coal	24	58	60	60	24	19	48	63	54	15	24	10	17	118	101	109	8	25	23	3	35	4	0	13	7	3	12	28	45	44	52	4	20	30	14	31	14	19	13	21	12	11	12	18	15	15	12	20		
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	26	89	250	252	252	252	253	253	252	252	252	252	252	252	252	252	252	169	169	168	168	75	37	53	53	79	79	80	80	80	80	79	26	31	31	31	31	30	30	29	29	28	28	35	35	36	36	31		
SRev CCGT-Gas	432	358	350	664	752	871	984	993	1225	1257	1316	1548	1395	1368	1317	1688	1702	1279	1123	911	566	582	269	359	349	379	384	290	278	382	342	311	298	427	367	610	706	864	544	215	334	290	238	245	390	278	326	457		
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
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	625	726	575	575	726	726	726	575	726	726	726	726	726	726	726	726	625	474	625	474	625	625	625	625	625	625	474	625	625	625	726	747	726	726	726	726	474	474	474	474	474	323	474	474	625	625			
Hydro	129	91	101	310	289	131	116	114	253	132	121	135	126	254	129	124	121	120	131	116	116	85	234	104	251	95	72	89	190	285	182	214	216	148	181	100	187	194	134	119	198	185	190	325	213	208	71	128		
S.Reserve Total		1236	1221	1487	1861	1892	1999	2131	2154	2365	2387	2444	2676	2521	2572	2530	2904	2814	2324	2177	1929	1611	1363	1014	1154	1134	1181	1172	1112	1218	1265	1281	1233	1185	1362	1340	1498	1664	1833	1447	1026	1189	1098	951	956	1139	1019	1134	1261	