

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,996 MW
Hydro	1,700 MW
Distillate	0 MW
Total TNB	7,906 MW
Total IPP	10,447 MW
Total Co-Gen	53 MW
System Total	18,406 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,076 MW
IPP Generation	7,789 MW
Total Set On Bus	13,886 MW
Maximum Demand	13,028 MW
Spinning Reserve	968 MW
Net Energy	280,580 MWH
Load Factor	89.7 %

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	11882	11210	10764	10478	10115	10104	10085	10080	10263	11402	12235	12788	12808	12458	12665	12548	12591	12138	12035	12619	12869	12598	12310	11920

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	31
SRDG	12
TJGS	184
TNB Total	285
KLPP	99
MPSS	55
PGLA	57
PLPS	108
SGB3	85
SGRI	1
SKSP	55
YPGS	61
YPKA	132
IPP Total	653
Total Gas	938

Total Gas Required : 940
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	0
PKLG	2
Total	3

Generation Mix

Type	MWh	Percentage
ST-Coal	49,242.00	17.55 %
Gas	38,422.00	13.69 %
Hydro	13,405.00	4.78 %
Distillate	47.00	0.02 %
Total TNB	101,116.0	36.04 %
ST-Coal	91,789.0	32.71 %
ST-Oil	200.0	0.07 %
Gas	85,144.0	30.35 %
Total IPP	177,133.0	63.13 %
Co-Gen	1,409.0	0.50 %
Total Co-Gen	1,409.0	0.50 %
Total Generation	279,658.0	99.67 %
PLTG	-226.0	-0.08 %
HVDC	-696.0	-0.25 %
Interconnection	-922.0	-0.33 %
Net Energy	280,580.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	314
Hydro	195
Syncon	363
Thermal	7
Total	879

Weather
Temperature

Morning	Cloudy	22
Afternoon	Cloudy	32

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																													
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		-28	-29	-29	-28	-30	-30	-29	-29	-29	-29	-28	-28	-29	-28	-29	-30	-29	-29	-30	-30	-29	-29	-29	-29																													
TIE-PLTG		-3	-5	2	12	11	-49	-40	30	23	-45	-17	-64	2	-48	-20	62	-1	-96	16	-27	-16	-26	24	-81																													
Interconnection		-31	-34	-27	-16	-17	-79	-70	1	-6	-74	-46	-93	-27	-76	-48	33	-29	-125	-14	-56	-45	-55	-5	-110																													
System Total		11882	11851	11210	10966	10764	10634	10478	10375	10115	10108	10104	10180	10085	10272	10080	9938	10263	10860	11402	11928	12235	12600	12788	13028	12808	12542	12458	12553	12665	12716	12548	12578	12591	12405	12138	12070	12035	12042	12619	12901	12869	12737	12598	12445	12310	12201	11920	11781					
SRev ST-Coal		5	9	16	4	21	32	20	24	130	190	202	186	199	188	229	116	216	193	46	37	16	3	-5	-22	13	-14	-11	-16	1	32	8	0	-10	-11	-16	-6	11	9	1	50	61	59	-3	-4	-7	-1	5	0					
SRev ST-Oil		-10	19	28	28	28	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		919	755	712	871	947	1127	1237	1259	1463	1498	1447	1438	1429	1342	1509	1534	1205	898	722	531	328	213	241	285	372	374	382	346	326	326	327	288	290	353	373	424	547	584	243	222	248	296	362	377	210	344	300	355					
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	0	
SRev Distillate		42	41	50	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
Syncon		640	640	640	640	640	640	640	640	489	640	640	640	489	640	640	640	640	489	388	388	388	388	388	388	388	388	388	388	625	625	539	237	237	388	388	388	625	625	625	625	625	474	474	474	625	625	625	625	625	625	625	625	
Hydro		206	76	73	113	116	72	109	115	73	210	76	68	91	206	112	119	85	111	287	279	284	357	322	206	242	347	222	107	110	239	444	291	287	373	128	174	170	171	218	214	167	247	194	110	122	123	128	87					
S.Reserve Total		1802	1540	1519	1707	1752	1899	2006	2038	2306	2387	2365	2332	2359	2225	2490	2409	2146	1842	1544	1235	1016	1053	1057	968	1143	1135	1259	1103	1015	874	1057	1008	995	1143	1110	1217	1353	1389	1087	998	991	1117	1218	1225	950	1091	1058	1067					