

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,171	MW
Hydro	1,833	MW
Distillate	0	MW
Total TNB	7,214	MW
Total IPP	10,165	MW
Total Co-Gen	82	MW
System Total	17,461	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,524 MW
IPP Generation	9,151 MW
Total Set On Bus	15,695 MW
Maximum Demand	14,760 MW
Spinning Reserve	938 MW
Net Energy	305,320 MWH
Load Factor	86.2 %

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	11955	11365	10919	10573	10404	10467	10658	10734	11252	12815	13593	14266	14279	13924	14090	14723	14760	14403	13376	13316	13990	13723	13172	12858

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	57
PAKA	70
PGGS	10
PGPS	43
SRDG	45
TJGS	105
TNB Total	388
KLPP	79
MPSS	54
PDPS	15
PGLA	96
PKLG	11
PLPS	120
PTEK	2
SGB3	91
SGRI	84
SKSP	56
YPGS	35
YPKA	136
IPP Total	779
Total Gas	1,167
Total Gas Required :	1,224
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	56
Total	56

Generation Mix

Type	MWh	Percentage
ST-Coal	48,988.00	16.04 %
Gas	47,582.00	15.58 %
Hydro	15,173.00	4.97 %
Total TNB	111,743.0	36.60 %
ST-Coal	85,478.0	28.00 %
ST-Gas	100.0	0.03 %
ST-Oil	5,493.0	1.80 %
Gas	100,611.0	32.95 %
Total IPP	191,682.0	62.78 %
Co-Gen	2,256.0	0.74 %
Total Co-Gen	2,256.0	0.74 %
Total Generation	305,681.0	100.12 %
PLTG	-361.0	-0.12 %
HVDC	722.0	0.24 %
Interconnection	361.0	0.12 %
Net Energy	305,320.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	267
Hydro	295
Syncon	293
Thermal	25
Total	880

	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																										
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																										
Total Hydro		190	201	212	202	184	235	202	199	205	207	205	244	492	250	187	177	195	191	374	569	1221	1099	1081	973	853	789	749	649	864	1060	1054	961	1065	1122	1004	776	905	838	1155	1038	1009	933	915	836	991	910	576			
PCUF	CUFG	54	53	55	53	52	50	52	52	51	53	52	53	54	50	52	51	52	49	52	52	52	51	50	51	52	52	53	51	51	52	51	53	51	51	52	52	53	51	52	52	51	51	51	52	51	52	51	51		
PCUF	CUFK	38	39	38	38	38	40	39	39	39	38	39	38	38	38	39	38	40	38	41	39	37	35	35	34	34	33	35	35	34	33	33	29	31	33	31	32	32	33	31	31	31	31	31	31	31	32	32	31	31	
Total Co-Gen		92	92	93	91	90	90	91	91	90	91	91	92	88	91	89	92	87	93	91	89	86	85	85	86	87	88	86	85	85	84	82	82	84	83	84	84	85	84	83	83	82	82	82	84	83	83	82			
Total Gen		12626	11651	11369	11041	10859	10708	10596	10445	10301	10421	10470	10457	10530	10718	10800	10831	11262	12123	12838	13238	13563	14109	14360	14385	14306	14059	13907	14031	14125	14474	14748	14760	14757	14693	14425	13824	13497	13204	13272	13948	14021	13919	13734	13536	13210	13077	12898	12419		
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		31	31	31	30	30	30	30	30	29	29	30	30	31	31	29	29	31	31	30	30	30	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30
TIE-PLTG		40	-8	-27	5	-90	-243	-7	-15	-133	-53	-26	-50	-158	-92	35	-12	-19	38	-8	-64	-60	-8	64	-35	-2	78	-46	4	4	63	-6	-16	-33	-80	-8	-17	90	-11	-74	-97	1	-1	-19	-32	9	-67	9	-52		
Interconnection		71	23	4	35	-60	-213	23	15	-103	-24	3	-20	-128	-61	66	17	10	69	23	-34	-30	22	94	-6	27	107	-17	35	35	94	25	14	-3	-50	22	14	121	19	-44	-67	31	29	11	-3	38	-36	40	-22		
System Total		11955	11628	11365	11006	10919	10921	10573	10430	10404	10445	10467	10477	10658	10779	10734	10814	11252	12054	12815	13272	13593	14087	14266	14391	14279	13952	13924	13996	14090	14380	14723	14746	14760	14743	14403	13810	13376	13185	13316	14015	13990	13890	13723	13539	13172	13113	12858	12441		
SRev ST-Coal		58	54	106	81	131	183	180	179	308	515	315	515	313	322	193	175	-14	19	14	13	22	2	4	-1	5	23	5	11	4	3	35	11	12	198	392	-14	32	-17	-24	-5	-4	-9	2	2	-11	30	36	49		
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	
SRev ST-Oil		28	28	28	29	29	28	28	29	28	28	28	28	28	28	28	28	28	28	28	-3	-8	-8	-7	-7	-8	-8	-8	-8	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
SRev CCGT-Gas		530	834	1006	1267	1330	1285	1452	1571	1582	1462	1415	1426	1395	1442	1250	1152	1133	757	449	236	202	175	327	365	189	278	581	404	212	307	188	210	209	223	222	302	350	495	368	164	149	145	124	126	260	356	357	410		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	1	182	44	79	221	242	222	226	230	2	10	8	18	6	-3	207	194	153	151	-15	27	108	227	187	110	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	
Syncon		726	726	726	726	726	575	726	726	726	726	726	726	726	726	575	172	172	172	273	273	273	273	273	273	273	273	273	273	273	273	273	273	172	172	172	172	172	323	323	323	323	323	323	323	323	323	323	323	474	
Hydro		113	102	91	101	100	119	219	101	104	98	96	98	210	115	204	116	126	108	112	29	285	236	396	414	321	441	355	295	244	279	328	340	433	430	373	391	469	340	256	269	386	435	386	404	483	328	409	342		
S.Reserve Total		1555	1744	1957	2204	2316	2341	2454	2606	2749	2629	2580	2593	2521	2329	2250	2197	1999	1618	1298	1096	1077	760	936	1021	1001	1249	1428	1202	1107	1008	912	920	938	1023	1150	1052	1211	1135	1066	728	873	994	1054	1034	1157	1029	1117	1284		