

Availability At Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	140 MW
Gas	3,756 MW
Hydro	1,833 MW
Distillate	0 MW
Total TNB	7,799 MW
Total IPP	10,375 MW
Total Co-Gen	85 MW
System Total	18,259 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	5,768 MW
IPP Generation	8,944 MW
Total Set On Bus	15,900 MW
Maximum Demand	14,838 MW
Spinning Reserve	1,103 MW
Net Energy	313,073 MWH
Load Factor	87.9 %

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	12628	12083	11638	11274	10978	10899	11119	11011	11543	13038	13943	14682	14533	14058	14280	14838	14824	14505	13430	13306	13976	13850	13227	12911

Gas Usage

Station	(mmscfd)
GLGR	60
PAKA	143
PGPS	43
SRDG	30
TJGS	154
TNB Total	431

Alternate Fuel Usage

Station	(mmscfd)
PKLG	57
Total	57

Generation Mix

Type	MWh	Percentage
ST-Coal	49,643.00	15.86 %
Gas	54,617.00	17.45 %
Hydro	10,945.00	3.50 %
Total TNB	115,205.0	36.80 %
ST-Coal	90,488.0	28.90 %
ST-Gas	1,534.0	0.49 %
ST-Oil	5,530.0	1.77 %
Gas	98,933.0	31.60 %
Total IPP	196,485.0	62.76 %
Co-Gen	2,265.0	0.72 %
Total Co-Gen	2,265.0	0.72 %
Total Generation	313,955.0	100.28 %
PLTG	154.0	0.05 %
HVDC	728.0	0.23 %
Interconnection	882.0	0.28 %
Net Energy	313,073.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	270
Hydro	198
Syncon	531
Thermal	1
Total	1000

KLPP	110
MPSS	54
PGLA	98
PKLG	16
PLPS	113
SGB3	105
SGRI	52
SKSP	53
YPGS	35
YPKA	137
IPP Total	775
Total Gas	1,206

Total Gas Required : 1,262
Gas Calorific Value : 38,500

Weather Temperature

	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																										
Total Co-Gen	60	66	74	87	88	87	88	89	88	89	88	88	89	91	88	89	87	92	91	89	91	89	90	89	88	87	86	90	87	86	85	86	86	84	84	86	86	87	86	85	85	84	87	85	84	87	87	88		
Total Gen	12642	12357	12081	11861	11669	11522	11353	11109	11093	10996	10962	11023	11168	11352	11178	11214	11549	12496	13052	13383	13921	14335	14659	14721	14569	14286	14125	14283	14332	14684	14797	14848	14809	14675	14515	13927	13482	13281	13337	14005	14063	13984	13887	13564	13353	13137	12933	12622		
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	0	
TIE-HVDC	30	50	31	31	29	31	29	29	31	31	29	31	31	29	31	31	29	31	31	29	31	31	30	30	30	30	30	31	31	30	30	30	30	30	30	32	32	30	30	30	30	30	31	31	30	30	31	31		
TIE-PLTG	-16	-49	-33	-37	2	-11	50	29	84	81	34	75	18	-9	137	59	-25	40	-17	45	-53	-52	-54	6	6	37	37	-18	21	61	-71	-19	-45	19	-22	-42	22	18	1	21	47	18	6	17	96	48	-9	-8		
Interconnection	14	-19	-2	-26	31	20	79	58	115	112	63	106	49	20	167	89	6	69	14	76	-22	-23	-23	37	36	67	67	12	52	92	-41	11	-15	49	10	-10	52	48	31	51	77	48	37	48	126	78	22	23		
System Total	12628	12376	12083	11887	11638	11502	11274	11051	10978	10884	10899	10917	11119	11332	11011	11125	11543	12427	13038	13507	13943	14358	14682	14684	14533	14219	14058	14271	14280	14592	14838	14837	14824	14626	14505	13937	13430	13233	13306	13954	13976	13936	13850	13516	13227	13059	12911	12899		
SRev ST-Coal	-7	-3	-11	-5	18	21	21	-9	11	70	66	68	69	-10	3	0	-4	-6	-1	-12	-18	-11	-5	-4	-11	-14	1	3	29	3	9	8	13	10	26	40	11	5	2	-14	-10	0	-6	-3	-7	-4	0	-3		
SRev ST-Gas	0	0	0	0	0	0	0	0	0	55	44	18	13	5	-4	-1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	10	-4	-29	0	0	24	17	14	0	-2	-1	10	-6	-7	11	8			
SRev ST-Oil	-10	-10	-10	-10	-10	-10	-10	-10	-10	28	28	28	28	28	28	28	-3	8	-10	-10	-9	-9	-10	-10	-10	-10	-10	-10	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	449	524	654	677	848	1012	1175	1476	1526	1524	1492	1726	1631	1528	1661	1707	1492	992	607	330	272	170	184	225	311	347	459	293	312	254	233	225	218	305	237	277	429	674	669	176	252	423	164	354	362	378	537	579		
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	575	726	726	726	726	726	726	575	726	575	726	726	575	726	726	726	726	726	726	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro	304	115	62	66	65	64	71	196	72	206	68	79	185	193	75	70	116	111	116	243	59	94	130	184	172	195	109	120	122	137	120	160	188	228	206	120	241	229	241	318	395	289	248	254	255	560	172	213		
S.Reserve Total	1311	1352	1421	1454	1647	1813	1983	2228	2325	2458	2424	2645	2501	2319	2489	2530	2329	1817	1440	1027	931	945	1006	1028	1177	1309	1371	1217	1266	1193	1103	1053	1092	1189	1086	1276	1450	1702	1703	1204	1197	1435	1143	1353	1342	1286	1430	1507		