

Availability At Daily Maximum Demand Hour

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	4,137 MW
Hydro	1,514 MW
Distillate	60 MW
Total TNB	7,066 MW
Total IPP	11,152 MW
Total Co-Gen	75 MW
System Total	18,293 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,888 MW
IPP Generation	9,226 MW
Total Set On Bus	15,140 MW
Maximum Demand	14,273 MW
Spinning Reserve	947 MW
Net Energy	295,271 MWH
Load Factor	86.2 %

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	10/05/2011	318,459.0 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	11398	10891	10583	10238	9881	9838	10222	10268	10821	12491	13300	13973	13991	13617	14011	14044	14014	13758	13010	12876	13574	13286	12704	12012

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	174
PGPS	48
TJGS	145
TNB Total	421
KLPP	87
MPSS	39
PGLA	89
SGB3	74
SGRI	93
SKSP	46
YPGS	34
YPKA	142
IPP Total	605
Total Gas	1,026

Total Gas Required : 1,181
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	33
PKLG	122
TEWA	0
Total	155

Generation Mix

Type	MWh	Percentage
ST-Coal	27,360.00	9.27 %
ST-Oil	3,107.00	1.05 %
Gas	55,867.00	18.92 %
Hydro	13,103.00	4.44 %
Distillate	6.00	0.00 %
Total TNB	99,443.0	33.68 %
ST-Coal	99,794.0	33.80 %
ST-Oil	11,964.0	4.05 %
Gas	81,334.0	27.55 %
Total IPP	193,092.0	65.39 %
Co-Gen	2,042.0	0.69 %
Total Co-Gen	2,042.0	0.69 %
Total Generation	294,577.0	99.76 %
PLTG	2.0	0.00 %
HVDC	-696.0	-0.24 %
Interconnection	-694.0	-0.24 %
Net Energy	295,271.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	388
Hydro	172
Syncon	405
Thermal	26
Total	991

	Weather	Temperature
Morning	Cloudy	24
Afternoon	Rainy	30

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																										
PCUF	CUFG	33	51	53	54	53	53	52	53	51	52	51	52	51	53	51	54	51	55	52	54	51	53	53	51	50	49	48	49	49	50	49	49	50	49	50	50	51	50	51	51	52	51	51	51	52	52	51			
PCUF	CUFK	34	34	33	33	35	35	32	32	32	32	33	33	32	32	32	33	33	31	31	28	28	27	27	29	29	29	29	30	30	30	30	36	36	36	36	36	36	35	35	37	37	35	35	36	36					
Total Co-Gen		67	85	86	87	88	88	84	85	83	84	84	85	83	85	83	86	84	88	84	86	84	82	78	77	75	76	78	79	78	78	80	79	80	80	86	87	86	87	86	87	88	88	86	87	88	87				
Total Gen		11399	11240	10889	10679	10575	10318	10172	10117	10018	9947	9873	9883	10172	10547	10240	10305	10928	11776	12549	12980	13301	13712	13948	14180	14047	13852	13593	13831	13985	14193	14057	14146	13964	14181	13682	13372	12992	12802	12806	13502	13500	13384	13247	13013	12684	12267	11986	11649		
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		-28	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-30	-30	-29	-30	-29	-29	-28	-31	-31	-29	-28	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29			
TIE-PLTG		29	-21	27	41	22	-24	-37	-63	167	45	63	-77	-21	-62	1	-50	136	18	87	29	29	-64	4	-16	84	-6	6	-21	4	-51	42	-46	-19	-28	-47	-51	12	57	-41	-2	-45	43	-10	29	8	-21	3	-38		
Interconnection		1	-50	-2	11	-8	-53	-66	-93	137	17	35	-106	-50	-91	-28	-79	107	-11	58	1	1	-93	-25	-44	56	-36	-24	-50	-26	-80	13	-74	-50	-59	-76	-79	-18	28	-70	-31	-74	14	-39	1	-20	-50	-26	-67		
System Total		11398	11290	10891	10668	10583	10371	10238	10210	9881	9930	9838	9989	10222	10638	10268	10384	10821	11787	12491	12979	13300	13805	13973	14224	13991	13888	13617	13881	14011	14273	14044	14220	14014	14240	13758	13451	13010	12774	12876	13533	13574	13370	13286	13012	12704	12317	12012	11716		
SRev ST-Coal		33	31	14	130	137	209	221	222	238	294	303	302	283	210	220	218	73	15	9	31	17	29	28	23	39	30	31	33	25	21	42	15	23	23	22	24	30	18	33	42	35	31	32	30	12	23	28	15		
SRev ST-Oil		1	8	17	6	7	60	61	58	57	60	59	59	60	60	60	60	20	3	3	2	2	5	5	3	4	3	3	1	2	3	2	4	6	5	5	6	5	6	7	8	9	9	9	7	4	7	6	3		
SRev CCGT-Gas		970	793	1032	1088	1189	1182	1166	1184	1225	1186	1200	1165	1156	1065	1187	1358	1442	830	750	550	413	496	444	423	462	461	530	386	421	387	445	369	518	431	530	394	570	619	626	314	327	381	420	350	412	629	637	571		
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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	625	731	731	731	731	731	731	731	731	731	429	474	475	731	731	731	625	625	474	474	323	323	323	625	625	625	474	474	323	237	388	388	625	625	625	625	625	474	474	474	625	625	625	625	625	474		
Hydro		184	163	269	213	209	160	112	115	152	133	131	82	317	80	141	123	135	66	233	200	271	154	252	204	252	165	352	259	230	62	278	376	249	120	95	78	88	129	104	117	112	179	124	202	200	37	45	247		
S.Reserve Total		1813	1620	1957	2168	2273	2342	2291	2310	2403	2404	2424	2339	2245	1889	2083	2490	2401	1645	1620	1408	1177	1158	1052	976	1080	1284	1541	1304	1152	947	1090	1001	1184	967	1277	1127	1318	1397	1395	955	957	1074	1210	1214	1253	1321	1341	1310		