

Availability At Daily Maximum Demand Hour

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	155	MW
Gas	3,502	MW
Hydro	1,615	MW
Distillate	845	MW
Total TNB	7,317	MW
Total IPP	11,792	MW
Total Co-Gen	70	MW
System Total	19,179	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00

TNB Generation	5,557	MW
IPP Generation	8,976	MW
Total Set On Bus	15,480	MW
Maximum Demand	14,661	MW
Spinning Reserve	877	MW
Net Energy	303,211	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	12157	11503	11142	10726	10468	10414	10324	10399	10998	12626	13333	14126	14125	13872	14356	14634	14661	14270	13293	12933	13848	13624	13314	12855

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	54
PAKA	178
PGPS	23
SRDG	9
TJGS	48
TNB Total	363
KLPP	37
MPSS	38
PGLA	88
PLPS	98
SGB3	33
SGRI	32
SKSP	29
YPGS	34
YPKA	139
IPP Total	526
Total Gas	889

Total Gas Required : 1,241
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	44
PGPS	58
PKLG	119
SGB3	13
SGRI	18
TJGS	100
Total	352

Generation Mix

Type	MWh	Percentage
ST-Coal	27,303.00	9.00 %
ST-Oil	3,175.00	1.05 %
Gas	45,867.00	15.13 %
Hydro	13,482.00	4.45 %
Distillate	17,852.00	5.89 %
Total TNB	107,679.0	35.51 %
ST-Coal	100,077.0	33.01 %
ST-Oil	11,675.0	3.85 %
Gas	71,244.0	23.50 %
Distillate	9,742.0	3.21 %
Total IPP	192,738.0	63.57 %
Co-Gen	1,941.0	0.64 %
Total Co-Gen	1,941.0	0.64 %
Total Generation	302,358.0	99.72 %
PLTG	-161.0	-0.05 %
HVDC	-692.0	-0.23 %
Interconnection	-853.0	-0.28 %
Net Energy	303,211.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	397
Hydro	168
Syncon	368
Thermal	29
Total	961

	Weather	Temperature
Morning	Sunny	26
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 Hydro		448	389	376	179	269	200	258	243	208	179	215	179	195	277	229	244	244	503	445	415	399	732	730	917	712	735	846	853	950	1013	1125	1098	1020	1018	869	640	565	555	514	881	949	919	826	558	467	361	303	368						
KLPP	GT13	133	132	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	132	132	132	133	133	133	133	133	132	133	132	133	133	133	132	132	133	133	133	133	134	56	0	0				
KLPP	GT14	126	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	125	125	127	127	127	127	127	128	126	127	126	126	126	126	126	126	126	127	127	127	127	126	127	128	127	127	127	127	127	127	0			
PGPS	GT3A	75	75	75	74	75	75	75	75	74	75	75	75	76	75	75	76	82	83	82	81	81	81	81	81	81	81	81	80	82	85	83	83	82	81	81	77	75	75	77	75	75	75	75	75	75	75	75	75	75	75				
SGB3	GT31	128	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	134	134	134	134	134	133	133	132	132	132	131	131	131	131	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT11	123	123	123	123	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	119	119	119	119	119	119	119	119	119	119	119	119	119	120	120	122	122	121	121	122	122	122			
TEWA	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	GT2A	226	226	225	227	193	134	132	131	132	132	132	132	133	132	132	227	229	227	227	226	226	225	226	224	225	224	224	224	224	223	223	223	223	222	223	223	223	223	224	224	224	224	225	225	226	227	227	227	227	227				
TJGS	GT2B	221	221	221	221	189	129	126	127	128	128	125	127	127	128	128	128	220	223	221	221	221	221	221	220	220	220	223	223	221	221	221	221	221	221	222	222	222	222	223	221	220	220	223	223	220	220	223	223	220	220				
TJGS	ST2C	247	247	247	247	219	188	192	192	191	192	192	192	191	192	247	243	247	247	247	247	247	247	247	247	247	247	247	248	247	247	247	247	247	247	247	246	246	247	247	246	246	247	247	246	246	247	247	246	247	247				
Total Distillate		1279	1208	996	892	732	526	525	526	525	526	524	526	526	527	528	526	527	770	903	966	1036	1034	1102	1166	1167	1164	1171	1166	1283	1285	1288	1286	1282	1283	1282	1210	1145	1145	1144	1148	1148	1148	1147	1148	1153	1075	1018	891						
PCUF	CUFG	49	50	50	50	49	51	49	50	49	49	50	49	50	51	50	50	50	49	50	49	49	48	46	47	46	46	46	48	47	47	46	46	48	46	48	48	49	49	49	49	49	49	49	49	49	49	49	49	49	49				
PCUF	CUFK	24	28	27	28	28	25	29	28	27	27	26	27	27	29	28	28	27	28	27	29	27	28	27	25	25	25	25	24	23	23	24	24	24	24	24	25	26	27	25	25	26	27	28	27	28	27	26	28	28	28	28			
Total Co-Gen		73	78	77	78	78	74	80	77	77	76	75	77	76	79	79	78	77	78	76	79	76	77	75	71	72	71	71	70	71	70	71	70	71	70	72	70	73	74	76	74	74	74	75	76	77	76	76	77	77	77	77			
Total Gen		12102	11767	11436	11118	11074	10826	10660	10541	10405	10381	10401	10189	10283	10467	10438	10320	10945	11960	12552	13082	13349	13817	14023	14302	14072	13809	13845	13918	14314	14507	14614	14534	14603	14464	14192	13623	13199	12851	12852	13679	13733	13692	13601	13263	13257	13000	12846	12532						
TIE-EGAT		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TIE-HVDC		-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-29	-29	-29	-29	-28	-28	-28	-28	-28	-28	-28	-28	-29	-30	-28	-28	-28				
TIE-PLTG		-25	4	-38	90	-38	4	-36	-133	-33	69	17	25	-11	-82	69	-3	-25	-7	-44	23	47	5	-73	6	-23	-88	3	-80	-13	71	10	58	-28	2	-47	-76	-64	-35	-52	-58	-86	33	6	0	-25	-3	22	-19	-19					
Interconnection		-55	-25	-67	60	-68	-26	-66	-163	-63	39	-13	-5	-41	-112	39	-33	-55	-37	-74	-8	16	-25	-103	-24	-53	-118	-27	-109	-42	41	-20	28	-58	-28	-78	-106	-94	-65	-81	-87	-115	4	-23	-29	-54	-33	-9	-48						
System Total		12157	11792	11503	11058	11142	10852	10726	10704	10468	10342	10414	10194	10324	10579	10399	10353	11000	11997	12626	13090	13333	13842	14126	14326	14125	13927	13872	14027	14356	14466	14634	14506	14661	14492	14270	13729	13293	12916	12933	13766	13848	13688	13624	13292	13311	13033	12855	12580						
SRev ST-Coal		29	29	32	38	76	132	276	242	243	235	314	313	319	301	291	304	72	23	24	18	25	23	24	34	26	40	32	33	34	32	31	34	26	28	27	32	21	30	27	30	35	35	31	28	27	73	35	30						
SRev ST-Oil		3	4	6	8	6	6	57	56	56	56	58	57	57	56	56	56	54	7	3	2	2	3	1	1	3	2	2	1	1	1	2	5	5	3	3	3	5	6	6	7	7	6	11	13	15	7	6	7						
SRev CCGT-Gas		666	575	815	755	684	876	878	843	942	945	877	920	834	896	889	977	847	811	1025	678	510	515	304	262	295	564	654	582	402	358	374	418	279	355	286	480	629	849	807	237	247	260	257	328	247	277	291	567						
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		36	117	59	23	183	259	260	259	260	259	261	259	259	258	257	259	258	15	22	99	29	31	103	39	38	41	34	39	62	60	57	59	63	62	63	135	60	60	61	57	57	57	58	57	52	130	47	34						
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	474	731	731	731	731	731	731	731	731	731	731	343	731	731	625	625	625	625	474	474	323	625	625	474	474	323	323	172	172	172	172	474	474	474	474	474	474	474	474	474	474	474	625	474	323	625	474					
Hydro		86	145	309	144	54	123	65	80	115	144	108	144	128	46	482	79	129	81	139	219	235	178	180	182	123	100	140	133	187	149	183	210	288	290	137	266	216	226	267	125	162	192	285	146	213	320	226	312						
S.Reserve Total		1445	1495	1695	1699	1734	2127	2267	2211	2347	2370	2349	2424	2328	2288	2318	2406	2091	1562	1838	1641	1426	1224	1086	841	1110	1372	1336	1262	1107	938	827	946	877	1018	1158	1390	1405	1645	1642	930	982	1024	1116	1197	1028	1130	1230	1424						