

Availability At Daily Maximum Demand Hour

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	3,437 MW
Hydro	1,515 MW
Distillate	760 MW
Total TNB	7,067 MW
Total IPP	10,932 MW
Total Co-Gen	83 MW
System Total	18,082 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30	
TNB Generation	5,223 MW
IPP Generation	9,084 MW
Total Set On Bus	15,298 MW
Maximum Demand	14,463 MW
Spinning Reserve	904 MW
Net Energy	299,053 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	11581	11178	10814	10356	10209	10137	10534	10408	11127	12594	13359	14059	14054	13562	13797	14423	14411	14037	13032	12892	13778	13432	12953	12821

Gas Usage

Station	(mmscfd)
GLGR	55
PAKA	188
PGPS	48
SRDG	10
TJGS	52
TNB Total	354
KLPP	57
MPSS	47
PGLA	54
SGB3	53
SGRI	102
SKSP	49
YPGS	34
YPKA	141
IPP Total	537
Total Gas	891

Total Gas Required : 1,210
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGLA	32
PGPS	33
PKLG	128
SGB3	20
SGRI	15
TJGS	90
Total	319

Generation Mix

Type	MWh	Percentage
ST-Coal	27,359.00	9.15 %
ST-Oil	3,086.00	1.03 %
Gas	44,197.00	14.78 %
Hydro	15,978.00	5.34 %
Distillate	13,661.00	4.57 %
Total TNB	104,281.0	34.87 %
ST-Coal	97,859.0	32.72 %
ST-Oil	12,623.0	4.22 %
Gas	72,531.0	24.25 %
Distillate	8,874.0	2.97 %
Total IPP	191,887.0	64.16 %
Co-Gen	2,144.0	0.72 %
Total Co-Gen	2,144.0	0.72 %
Total Generation	298,312.0	99.75 %
PLTG	-45.0	-0.02 %
HVDC	-696.0	-0.23 %
Interconnection	-741.0	-0.25 %
Net Energy	299,053.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	380
Hydro	144
Syncon	377
Thermal	36
Total	937

	Weather	Temperature
Morning	Sunny	31
Afternoon	Hot	36

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		296	368	458	506	484	457	318	457	266	401	304	405	401	518	383	479	452	622	529	438	522	653	1010	1026	991	869	786	837	800	1021	1011	999	1032	1014	943	657	404	496	479	935	1085	925	922	690	726	728	668	429				
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	164	208	207	207	207	209	211	209	207	208	206	206	208	207	209	209	208	210	208	210	210	209	212	211	213	214	214	215	215	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	125	126	126	125	125	125	125	124	124	125	125	124	124	125	125	125	121	121	121	122	122	122	122	122	122	122	122	122	122
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	127	128	128	128	128	128	128	128	128	128	128	128	129	129	129	129	128	128	128	128	130	130	60	0	0	0	0
TJGS	GT2A	232	230	230	231	231	231	232	158	171	228	232	232	232	232	232	222	123	219	225	226	226	226	226	225	225	225	225	224	225	225	224	225	225	224	225	225	225	225	225	225	225	226	225	226	226	226	226	228	226			
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118	213	221	221	221	221	223	223	222	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	221	223	224	221	221	222	224	223	223	221	
TJGS	ST2C	120	116	115	119	116	116	119	108	97	127	115	120	116	124	122	119	88	227	248	247	247	247	247	248	248	247	248	247	248	248	246	248	247	247	247	247	247	247	247	248	247	247	247	246	247	245	247	246				
Total Distillate		352	346	345	350	347	347	351	266	268	355	347	352	348	356	354	341	329	659	694	858	977	1028	1092	1155	1158	1160	1158	1156	1155	1152	1153	1157	1154	1157	1158	1157	1158	1152	1152	1156	1157	1158	1087	1029	1033	1030	1035	1030				
PCUF	CUFG	52	52	51	53	52	52	53	53	53	51	52	54	53	50	51	53	53	54	51	52	51	52	52	53	51	51	52	52	52	52	52	53	52	51	51	52	51	52	53	52	53	52	54	54	51	53	55	51				
PCUF	CUFK	35	35	38	38	38	38	38	36	36	39	39	37	38	38	38	37	37	38	38	35	35	34	34	35	35	34	34	34	34	34	34	33	33	33	33	32	32	31	31	34	34	38	38	34	34	35	35					
Total Co-Gen		87	87	89	91	90	91	91	89	87	91	93	90	88	89	91	90	91	89	90	86	87	86	87	86	86	86	86	86	86	87	85	84	84	85	83	84	84	83	87	86	92	92	85	87	90	86						
Total Gen		11648	11337	11161	11040	10831	10607	10353	10460	10208	10128	10112	10240	10398	10756	10529	10611	10947	11906	12649	12947	13322	13619	14035	14147	14099	13846	13523	13576	13819	14120	14414	14394	14430	14419	14031	13678	13006	12750	12858	13683	13845	13591	13415	13072	12908	12857	12723	12340				
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		-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29				
TIE-PLTG		96	30	13	30	45	-41	26	31	28	-37	4	25	-107	41	150	-10	-151	-1	84	9	-8	-58	5	71	74	88	-11	-8	51	-45	21	-39	48	-4	23	44	2	-6	-5	10	96	6	12	36	-15	1	-69	-63				
Interconnection		67	1	-17	0	17	-69	-3	2	-1	-66	-25	-4	-136	12	121	-39	-180	-30	55	-20	-37	-87	-24	42	45	59	-39	-36	22	-74	-9	-69	19	-33	-6	15	-26	-34	-34	-19	67	-23	-17	7	-45	-29	-98	-92				
System Total		11581	11336	11178	11040	10814	10676	10356	10458	10209	10194	10137	10244	10534	10744	10408	10650	11127	11936	12594	12967	13359	13706	14059	14105	14054	13787	13562	13612	13797	14194	14423	14463	14411	14452	14037	13663	13032	12784	12892	13702	13778	13614	13432	13065	12953	12886	12821	12432				
SRev ST-Coal		94	58	45	47	169	138	202	174	239	245	241	207	100	151	154	115	59	77	7	127	30	20	17	32	25	34	26	28	28	33	29	33	26	32	24	24	17	12	28	31	33	31	53	76	70	76	76	69				
SRev ST-Oil		3	3	4	8	3	5	7	3	6	6	3	4	4	3	3	3	2	2	5	4	3	1	1	2	1	1	1	1	0	1	3	2	3	5	4	4	4	4	4	8	8	7	7	8	8	2	4	4				
SRev CCGT-Gas		185	368	417	587	653	879	933	912	965	756	679	692	627	527	615	657	447	732	842	507	289	416	285	238	259	384	630	624	390	396	256	261	261	248	374	343	538	676	535	247	292	399	396	305	234	295	378	337				
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	147	80	50	52	52	53	121	0	0	0	0	45	1	41	0	0	0	0	0	0				
SRev Distillate		-2	4	5	0	3	3	-1	84	82	-5	3	-2	2	-6	-4	9	251	41	6	72	93	42	118	55	52	50	52	54	32	58	57	53	56	53	52	53	52	58	58	54	53	52	123	41	37	40	35	40				
SRev Co-Gen		-5	-2	-5	-6	-5	-6	-5	-6	-5	-3	-5	-5	-6	-8	-6	-3	-3	-7	-6	-1	-1	-1	-2	-6	-4	-4	-3	-4	-4	-5	-4	-3	-3	-3	-3	-3	-2	-3	-3	-3	-7	-6	-9	-5	-1	-1	-5	-4				
Syncon		625	625	625	625	625	625	625	625	625	625	625	474	625	474	625	625	625	474	474	625	625	625	323	323	323	474	539	539	539	388	388	388	388	388	388	388	388	388	388	625	625	625	237	237	237	388	625	625	474	474	625	
Hydro		240	168	78	30	49	76	215	77	162	27	122	172	25	159	142	44	71	148	241	181	97	167	172	156	192	162	180	129	166	96	106	118	85	103	174	210	223	131	148	280	190	350	202	197	162	211	175	112				
S.Reserve Total		1140	1224	1169	1291	1497	1720	1976	1869	2074	1651	1668	1542	1378	1307	1532	1452	1458	1476	1570	1516	1142	1277	915	803	847	1101	1424	1372	1299	1047	882	904	867	877	1135	1019	1457	1503	1395	899	807	1111	1160	1247	1135	1097	1137	1183				