

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	80 MW
ST-Oil	0 MW
Gas	3,706 MW
Hydro	1,874 MW
Distillate	60 MW
Total TNB	7,100 MW
Total IPP	11,107 MW
Total Co-Gen	55 MW
System Total	18,262 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 19:30	
TNB Generation	4,331 MW
IPP Generation	8,464 MW
Total Set On Bus	13,774 MW
Maximum Demand	12,977 MW
Spinning Reserve	924 MW
Net Energy	277,561 MWH
Load Factor	89.1 %

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	10856	10635	10222	10114	9991	10044	9961	10207	11096	11922	12554	12784	12365	12708	12766	12434	12238	12081	12299	12769	12653	12226	11907

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	54
PAKA	93
TJGS	98
TNB Total	298
KLPP	82
MPSS	28
PGLA	95
PLPS	102
SGB3	82
SKSP	49
YPGS	68
YPKA	130
IPP Total	636
Total Gas	935

Total Gas Required : 1,002
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	67
Total	67

Generation Mix

Type	MWh	Percentage
ST-Coal	30,769.00	11.09 %
Gas	39,930.00	14.39 %
Hydro	14,757.00	5.32 %
Total TNB	85,456.0	30.79 %
ST-Coal	96,629.0	34.81 %
ST-Oil	6,615.0	2.38 %
Gas	86,057.0	31.00 %
Total IPP	189,301.0	68.20 %
Co-Gen	1,529.0	0.55 %
Total Co-Gen	1,529.0	0.55 %
Total Generation	276,286.0	99.54 %
PLTG	-22.0	-0.01 %
HVDC	-1,253.0	-0.45 %
Interconnection	-1,275.0	-0.46 %
Net Energy	277,561.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	308
Hydro	125
Syncon	484
Thermal	31
Total	949

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																											
TIE-HVDC	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-28	-30	-30	-29	-29	-28	-98	-99	-99	-99	-99	-98	-99	-97	-97	-99	-98	-98	-99	-97	-29	-29	-29	-29	-29	-31	-31	-29	-29	-30	-28								
TIE-PLTG	-33	-12	66	-37	-18	-40	-25	-39	-53	51	-24	-12	24	-64	38	-67	-82	32	21	-39	-71	-134	78	-63	-2	49	84	-7	-88	7	20	-12	68	-6	43	11	-37	-75	28	-98	40	38	-4	21	128	-28	95	-43			
Interconnection	-62	-41	38	-65	-47	-69	-54	-68	-82	22	-54	-42	-5	-93	29	-95	-112	2	-8	-68	-99	-232	-21	-162	-101	-50	-14	-106	-187	-90	-77	-111	-30	-104	-56	-88	-134	-104	-1	-127	11	9	-35	-10	99	-57	65	-71			
System Total	11581	11183	10856	10619	10635	10303	10222	10200	10114	9972	9991	9952	10044	10240	9961	9923	10207	10599	11096	11616	11922	12366	12554	12805	12784	12534	12365	12506	12708	12776	12766	12715	12434	12440	12238	12111	12081	12025	12299	12977	12769	12789	12653	12602	12226	12192	11907	11623			
SRev ST-Coal	-8	-21	-8	80	162	263	300	290	304	305	386	384	387	278	389	391	381	362	144	27	33	29	38	36	42	31	39	32	26	19	27	32	31	23	34	29	26	25	16	28	36	33	40	20	37	33	30	32			
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	0	
SRev ST-Oil	4	4	5	2	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	1	1	1	1	1	4	5	5	20	20	17	6	2	2	2	2	2	2	3	3			
SRev CCGT-Gas	503	805	972	1011	1081	1367	1370	1399	1516	1525	1520	1510	1465	1466	1416	1611	1515	1308	708	781	652	454	336	200	153	184	299	342	330	310	310	274	350	419	554	622	637	658	461	312	356	341	404	414	511	693	540	713			
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	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	0
Syncon	625	625	625	726	726	575	726	575	726	575	726	726	726	726	726	625	474	625	474	474	726	575	726	726	726	726	726	575	489	539	539	625	625	726	726	726	726	575	625	474	474	474	625	625	726	474	625	726			
Hydro	160	254	221	35	98	216	88	256	75	253	82	123	36	34	127	69	34	103	286	160	148	35	149	24	23	201	169	233	219	115	108	79	202	102	107	205	153	313	195	104	274	285	106	164	151	162	128	214			
S.Reserve Total	1284	1667	1815	1854	2067	2421	2485	2521	2622	2659	2715	2744	2615	2505	2659	2798	2556	2248	1764	1443	1309	1246	1099	987	946	1144	1235	1184	1065	984	985	1011	1209	1274	1426	1587	1562	1591	1314	924	1142	1135	1177	1225	1427	1364	1326	1688			