

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,825 MW
Hydro	1,853 MW
Distillate	0 MW
Total TNB	7,128 MW
Total IPP	10,946 MW
Total Co-Gen	47 MW
System Total	18,121 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,646 MW
IPP Generation	9,147 MW
Total Set On Bus	14,769 MW
Maximum Demand	13,779 MW
Spinning Reserve	929 MW
Net Energy	301,014 MWH
Load Factor	91.0 %

Maximum Demand Record

Date :	19/03/2013	16,133.0MW
Date :	20/03/2013	333,019.0MWH

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	13120	12215	12039	11608	11414	11185	10975	11103	10787	11928	12864	13546	13425	13211	13568	13640	13588	13046	12617	12487	13555	13456	13124	12846

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	57
PAKA	134
PGPS	37
TJGS	106
TNB Total	381
KLPP	94
MPSS	53
PGLA	92
PLPS	69
SGRI	207
SKSP	53
YPGS	35
YPKA	132
IPP Total	734
Total Gas	1,115

Total Gas Required : 1,231
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	116
Total	116

Generation Mix

Type	MWh	Percentage
ST-Coal	32,526.00	10.81 %
Gas	48,416.00	16.08 %
Hydro	15,032.00	4.99 %
Total TNB	95,974.0	31.88 %
ST-Coal	95,216.0	31.63 %
ST-Gas	1,608.0	0.53 %
ST-Oil	11,358.0	3.77 %
Gas	95,949.0	31.88 %
Total IPP	204,131.0	67.81 %
Co-Gen	1,372.0	0.46 %
Total Co-Gen	1,372.0	0.46 %
Total Generation	301,477.0	100.15 %
PLTG	-257.0	-0.09 %
HVDC	720.0	0.24 %
Interconnection	463.0	0.15 %
Net Energy	301,014.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	356
Hydro	141
Syncon	452
Thermal	20
Total	969

Weather Temperature

Weather	Temperature
Morning	Sunny 26
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																									
Interconnection		-79	-4	46	44	-10	-37	-4	41	48	127	126	37	96	-52	0	-3	-9	-96	-8	75	2	84	12	18	99	-52	50	-27	-4	61	26	-3	69	-26	75	-41	3	43	54	-71	4	71	-24	19	56	-14	-54	-51	
System Total		13120	12858	12215	12278	12039	11845	11608	11430	11414	11235	11185	11068	10975	11188	11103	10838	10787	11464	11928	12350	12864	13259	13546	13685	13425	13471	13211	13434	13568	13779	13640	13675	13588	13475	13046	12782	12617	12460	12487	13258	13555	13581	13456	13180	13124	12971	12846	12756	
SRev ST-Coal		19	68	15	11	11	17	14	30	51	18	9	13	17	11	12	13	17	13	23	12	19	13	11	15	18	16	17	16	22	20	9	12	28	93	24	13	21	31	12	21	15	15	23	27	39	77	62	33	
SRev ST-Oil		19	19	18	18	19	19	19	19	19	18	18	19	19	19	19	7	7	7	6	6	6	7	6	6	5	5	7	7	6	6	6	6	6	6	6	6	7	7	6	6	10	7	7	7	6	6	5	14	
SRev CCGT-Gas		716	456	844	595	796	1006	1290	1437	1434	1550	1613	1832	1848	1796	1848	2092	2149	1603	1405	1121	650	445	282	294	427	428	486	364	235	244	291	202	198	182	477	889	992	1102	1081	382	348	302	383	430	372	533	356	178	
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
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
Syncon		625	474	625	625	625	625	625	625	625	625	625	625	474	625	625	625	625	474	625	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	474	474	474	474	474	474	625	474	625		
Hydro		79	109	84	76	90	93	97	92	92	100	104	104	103	92	222	95	95	76	76	218	84	216	69	165	97	161	168	161	162	184	167	199	201	159	106	97	99	101	99	205	284	196	211	222	226	98	147	91	
S.Reserve Total		1458	1126	1586	1325	1541	1760	2045	2203	2221	2312	2369	2592	2612	2543	2575	2844	2905	2324	2141	1837	1384	1305	994	955	1173	1236	1301	1171	1051	929	1098	1044	1058	1065	1238	1630	1744	1866	1823	1088	1151	994	1098	1160	1167	1339	1044	941	