

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	150 MW
Gas	4,411 MW
Hydro	1,744 MW
Distillate	0 MW
Total TNB	7,685 MW
Total IPP	11,132 MW
Total Co-Gen	54 MW
System Total	18,871 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	5,592 MW
IPP Generation	9,648 MW
Total Set On Bus	16,089 MW
Maximum Demand	15,338 MW
Spinning Reserve	795 MW
Net Energy	321,062 MWH
Load Factor	87.2 %

Maximum Demand Record

Date :	20/06/2012	15,826.0 MW
Date :	20/06/2012	328,716.0 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	13012	12315	11966	11673	11253	11358	11411	11220	11573	13238	14143	14709	14772	14478	15130	15273	15243	14630	13745	13495	14126	14361	14028	13801

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	57
PAKA	35
PGPS	41
SRDG	23
TJGS	222
TNB Total	435
KLPP	111
MPSS	54
PGLA	64
PKLG	3
PLPS	116
SGB3	86
SGRI	132
SKSP	39
YPGS	34
YPKA	131
IPP Total	769
Total Gas	1,204

Alternate Fuel Usage

Station	(mmscfd)
PKLG	131
Total	131

Generation Mix

Type	MWh	Percentage
ST-Coal	33,118.00	10.32 %
Gas	57,633.00	17.95 %
Hydro	14,191.00	4.42 %
Total TNB	104,942.0	32.69 %
ST-Coal	101,385.0	31.58 %
ST-Oil	12,922.0	4.02 %
Gas	99,834.0	31.09 %
Total IPP	214,141.0	66.70 %
Co-Gen	1,260.0	0.39 %
Total Co-Gen	1,260.0	0.39 %
Total Generation	320,343.0	99.78 %
PLTG	-20.0	-0.01 %
HVDC	-699.0	-0.22 %
Interconnection	-719.0	-0.22 %
Net Energy	321,062.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	288
Hydro	158
Syncon	356
Thermal	28
Total	830

Weather Temperature

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32

Total Gas Required : 1,335
Gas Calorific Value : 38,500

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																									
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	71	82	66	62	62	83	82	82	80	80	69	61	60	64	69	38	32	31	26	83	82	82	35	27	34	35	35						
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	74	60	54	49	-1	74	74	74	74	74	74	74	75	73	33	33	29	75	75	75	75	75	75	-1	-1								
UPLA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
Total Hydro		417	459	136	188	258	138	190	174	176	153	287	280	350	239	210	162	162	168	234	444	666	795	1138	1142	1094	831	824	988	1053	1205	1126	1116	1089	1065	961	703	613	552	535	502	650	857	858	684	632	617	492	430	
PCUF	CUFG	11	10	12	14	14	10	10	10	10	13	13	13	12	12	14	12	13	13	12	12	12	11	10	11	11	12	13	13	13	13	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	11	12
PCUF	CUFK	29	26	27	27	28	29	28	27	30	33	35	35	33	35	32	35	34	35	33	30	32	30	31	30	30	28	30	30	40	41	40	41	40	41	41	41	40	41	41	40	40	40	40	39	39	40	39	41	
Total Co-Gen		40	36	39	41	42	39	38	37	40	43	48	48	46	47	44	49	46	48	46	42	44	42	42	40	41	39	42	43	53	54	53	52	51	52	52	51	52	52	51	51	51	51	51	50	51	52	50	53	
Total Gen		13056	12677	12290	11844	11975	11682	11478	11405	11312	11184	11321	11275	11386	11448	11195	11129	11565	12487	13200	13658	14166	14360	14699	14828	14774	14506	14480	14730	15029	15294	15266	15290	15243	15122	14575	14015	13636	13498	13422	13683	14074	14311	14326	14280	14003	13976	13678	13532	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		73	1	4	-61	38	16	-166	-9	88	8	-8	11	4	15	4	10	21	4	-8	21	52	9	19	-23	32	-17	31	-37	-72	-14	23	-11	29	30	-26	-68	-80	-69	-44	1	-23	-18	-6	-28	4	-40	-94	-10	
Interconnection		44	-28	-25	-90	9	-13	-195	-38	59	-21	-37	-18	-25	-14	-25	-19	-8	-26	-38	-8	23	-20	-10	-53	2	-46	2	-66	-101	-44	-7	-40	0	1	-55	-97	-109	-98	-73	-28	-52	-47	-35	-57	-25	-69	-123	-39	
System Total		13012	12705	12315	11934	11966	11695	11673	11443	11253	11205	11358	11293	11411	11462	11220	11148	11573	12513	13238	13666	14143	14380	14709	14881	14772	14552	14478	14796	15130	15338	15273	15330	15243	15121	14630	14112	13745	13596	13495	13711	14126	14358	14361	14337	14028	14045	13801	13571	
SRev ST-Coal		73	62	61	-26	18	14	7	-7	15	44	47	32	31	65	19	32	30	22	38	44	40	31	44	36	38	42	57	26	13	13	33	30	28	32	23	31	22	21	18	20	28	37	23	38	24	16	23	25	
SRev ST-Oil		-2	-2	-2	-1	-1	-3	-3	30	30	56	56	15	1	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	49	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	
SRev CCGT-Gas		578	404	322	762	658	464	726	757	743	763	765	901	963	760	1027	1477	1225	819	564	380	259	201	192	197	207	205	211	213	234	282	260	241	261	291	316	425	752	862	923	597	346	307	307	162	402	204	368	383	
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		539	625	726	726	575	726	726	726	726	474	625	474	625	625	726	726	726	640	539	388	539	453	302	302	453	539	302	302	151	302	302	302	302	453	453	453	539	539	539	539	539	539	539	388	539	539	625	625	
Hydro		187	59	81	29	110	79	27	43	41	64	182	38	119	79	108	55	55	49	69	60	174	204	119	266	314	276	175	248	183	294	222	232	259	283	236	94	184	159	176	209	61	64	63	238	139	94	111	73	
S.Reserve Total		1375	1148	1188	1490	1360	1280	1483	1549	1555	1653	1524	1611	1588	1527	1777	2288	2034	1614	1309	1021	859	974	807	803	861	976	983	842	817	795	1019	937	983	1005	1212	1051	1381	1579	1654	1363	972	945	930	825	1103	851	1125	1104	