

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	0	MW
ST-Oil	150	MW
Gas	4,251	MW
Hydro	1,807	MW
Distillate	130	MW
Total TNB	7,718	MW
Total IPP	10,669	MW
Total Co-Gen	89	MW
System Total	18,476	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:30

TNB Generation	5,236	MW
IPP Generation	9,191	MW
Total Set On Bus	15,366	MW
Maximum Demand	14,557	MW
Spinning Reserve	850	MW
Net Energy	305,442	MWH
Load Factor	87.4	%

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	12114	11563	11070	10871	10624	10493	10545	10823	11220	12832	13425	14103	14134	13757	14361	14496	14479	14159	13099	13001	14007	13679	13217	12749

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	60
PAKA	58
PGPS	40
TJGS	218
TNB Total	433
KLPP	103
MPSS	57
PGLA	112
PLPS	106
SGB3	83
SGRI	117
SKSP	57
YPGS	69
YPKA	130

IPP Total	835
Total Gas	1,268

Total Gas Required :	1,383
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	96
SGRI	18
SRDG	2
Total	115

Generation Mix

Type	MWh	Percentage
ST-Coal	33,120.00	10.84 %
Gas	57,837.00	18.94 %
Hydro	11,862.00	3.88 %
Distillate	190.00	0.06 %
Total TNB	103,009.0	33.72 %
ST-Coal	79,352.0	25.98 %
ST-Oil	9,506.0	3.11 %
Gas	109,913.0	35.98 %
Distillate	2,028.0	0.66 %
Total IPP	200,799.0	65.74 %
Co-Gen	2,364.0	0.77 %
Total Co-Gen	2,364.0	0.77 %
Total Generation	306,172.0	100.24 %
PLTG	-4.0	0.00 %
HVDC	734.0	0.24 %
Interconnection	730.0	0.24 %
Net Energy	305,442.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	287
Hydro	199
Syncon	492
Thermal	13
Total	990

Weather Temperature

Weather	Temperature
Morning	Sunny 28
Afternoon	Hot 32

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
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	70	64	64	62	62	61	63	63	62	62	62	64	64	62	67	132	184	202	219	223	219	211	220	180
YPGS	GT11	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
YPGS	GT12	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
YPGS	ST10	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
YPKA	BLK1	366	366	365	365	365	365	366	366	364	366	366	366	366	366	364	364	363	363	361	361	360	360	359	358
YPKA	BLK2	365	365	362	362	363	363	362	362	362	365	365	364	364	364	362	359	359	356	356	354	354	353	353	352
PLPS	GT11	138	138	139	131	107	106	106	67	66	64	67	65	65	66	65	65	104	135	112	137	121	140	138	141
PLPS	GT12	142	142	142	134	110	73	70	70	69	68	70	69	68	68	69	108	136	118	141	124	143	142	144	140
PLPS	GT13	136	134	135	127	63	63	63	63	63	63	63	63	63	64	72	130	109	134	118	136	133	137	133	135
PLPS	ST18	211	211	211	210	179	173	163	146	146	144	147	145	148	162	165	149	171	210	201	212	210	211	213	211
SKSP	BLK1	325	339	336	332	320	299	331	304	341	326	307	346	331	343	298	301	311	331	294	331	332	342	344	345
TJGS	GT1A	226	226	222	226	226	226	208	195	195	195	174	177	223	223	223	223	223	223	223	223	223	223	223	223
TJGS	GT1B	222	222	222	218	223	220	220	199	189	189	189	171	171	218	221	221	221	221	221	221	221	221	221	221
TJGS	ST1C	256	256	256	256	256	256	248	226	213	210	251	258	258	258	258	258	258	258	258	258	258	258	258	258
TJGS	GT2A	207	208	206	209	191	181	207	187	208	203	191	208	192	206	183	185	200	208	184	206	206	206	205	206
TJGS	GT2B	217	217	217	217	187	180	208	184	217	199	189	220	189	216	180	183	199	206	182	216	204	216	216	216
TJGS	ST2C	262	263	262	262	259	249	259	242	262	247	245	261	259	261	246	242	243	258	247	263	261	263	262	263
Total CCGT-Gas		7252	6940	6588	6528	6212	6034	6026	5624	5582	5521	5433	5425	5357	5774	5679	5538	5899	6685	7248	7610	7771	8151	8161	8164
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	22	13	13	13	13	12	13	13	13	13	12	12	12	12	12	12	12	13	13	13	22	22	20	20
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
CEND	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	34	34	33	34	34	33	33	32	35	33	34	34	32	32	33	33	33	34	35	34	35	35	35	34
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	85	75	74	96	91	72	96
KNYR	HY02	75	91	55	0	0	0	0	0	0	0	0	0	0	57	57	55	86	95	89	97	96	69	97	97
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	58	54	56	58	59	63	59	61	66	64	65
KNYR	HY04	97	94	97	97	57	54	76	56	98	74	65	98	68	98	55	54	77	68	54	81	59	86	96	71
LPIA	HY01	20	20	20	17	17	17	17	17	17	17	17	17	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	0	0	0	0	86	130	132
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	49	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	30	30	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	30	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	16	16	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	29	31	36	35	32	30	34	28	38	31	32	36	33	34	26	26	31	31	30	32	32	34	37	82
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	80	80	34	38	36	81	80	80
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	5
Total Hydro		298	304	275	214	167	161	188	183	216	183	176	234	180	234	172	159	246	294	330	421	402	548	774	925
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

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																										
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
Total 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																										
PCUF	CUFG	51	52	52	51	53	52	52	51	51	51	52	53	50	51	52	51	51	50	49	47	45	50	49	48	49	47	47	46	46	46	46	49	50	51	51	51	52	52	51	51	52	52	50	51	51	51				
PCUF	CUFK	39	41	39	41	41	39	41	40	41	38	40	41	40	39	40	40	41	40	40	40	40	39	40	40	39	40	39	37	37	39	36	36	40	40	42	39	39	41	39	40	40	40	40	40	41	39	42	38		
Total Co-Gen		90	93	91	92	94	91	93	91	92	89	91	93	89	91	92	92	91	91	89	87	85	90	88	88	89	86	84	83	85	82	82	86	89	92	90	90	92	91	92	91	91	92	92	91	90	93	89			
Total Gen		12238	11956	11583	11486	11165	10959	10961	10629	10653	10587	10518	10649	10569	11054	10920	10807	11256	12129	12815	13273	13423	13932	14170	14326	14166	14010	13748	14050	14356	14492	14508	14488	14495	14516	14158	13710	13261	12877	12986	13673	14021	13871	13753	13543	13245	13194	12791	12677		
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		31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	31	31	31	31	30	30	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
TIE-PLTG		93	63	-10	43	64	56	60	-20	-2	4	-6	-39	-7	1	67	41	6	10	-47	5	-33	50	36	-27	2	83	-40	-86	-36	-2	-18	2	-14	-71	-31	78	131	-15	-46	-39	-17	1	44	-16	-3	20	11	73		
Interconnection		124	93	20	74	95	86	90	11	29	35	25	-8	24	31	97	71	36	40	-17	36	-2	81	67	3	32	114	-9	-55	-5	28	12	32	16	-41	-1	109	162	16	-15	-8	14	31	74	15	28	51	42	104		
System Total		12114	11863	11563	11412	11070	10873	10871	10618	10624	10552	10493	10657	10545	11023	10823	10736	11220	12089	12832	13237	13425	13851	14103	14323	14134	13896	13757	14105	14361	14464	14496	14456	14479	14557	14159	13601	13099	12861	13001	13681	14007	13840	13679	13528	13217	13143	12749	12573		
SRev ST-Coal		49	77	15	15	1	24	10	8	22	15	15	20	21	0	10	-2	-6	0	-1	-2	-12	4	7	4	-7	1	-2	-6	16	-10	15	28	19	20	17	22	49	72	85	60	83	14	32	8	6	25	17	15		
SRev ST-Oil		3	3	3	3	3	3	3	31	31	31	31	31	30	30	31	31	31	31	5	-1	-1	-2	-2	-3	-3	-3	-2	-2	-2	-2	-2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
SRev CCGT-Gas		190	292	509	569	885	1063	1071	1473	1515	1576	1664	1672	1740	1323	1418	1559	1338	1197	914	692	531	151	161	158	197	166	235	182	203	182	228	266	236	246	252	339	824	1015	1014	243	195	329	412	304	435	466	263	326		
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 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
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		726	726	726	726	726	726	575	726	726	726	575	726	575	726	726	726	625	625	625	625	625	625	625	625	625	474	625	625	625	625	625	474	323	323	474	625	625	625	625	625	625	625	625	625	625	625	625	625		
Hydro		104	98	127	82	129	135	108	264	80	113	120	213	116	213	275	137	150	202	267	176	195	249	180	179	311	392	233	183	176	89	89	236	158	190	255	133	159	229	210	192	216	326	419	262	260	139	133	108		
S.Reserve Total		1157	1281	1465	1586	1935	2142	2009	2442	2465	2552	2647	2602	2725	2232	2399	2542	2245	2162	1816	1496	1344	1033	977	969	1129	1036	1295	996	1044	910	981	1011	806	850	1031	1170	1722	1973	1970	1156	1175	1297	1350	1212	1339	1268	1035	1183		