

Availability At Daily Maximum Demand Hour

ST-Coal	1,200 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	4,297 MW
Hydro	1,440 MW
Distillate	60 MW
Total TNB	7,152 MW
Total IPP	10,672 MW
Total Co-Gen	67 MW
System Total	17,891 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:30	
TNB Generation	5,067 MW
IPP Generation	7,249 MW
Total Set On Bus	13,022 MW
Maximum Demand	12,417 MW
Spinning Reserve	634 MW
Net Energy	262,955 MWH
Load Factor	88.2 %

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	11579	10979	10417	10362	10322	10396	10023	9660	9332	9924	10566	11265	11348	11478	11528	11441	11505	11090	11112	11211	11936	12262	12383	12142

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	55
PAKA	173
PGPS	47
TJGS	63
TNB Total	389
KLPP	70
MPSS	25
PGLA	93
PLPS	80
SGB3	36
SGRI	35
SKSP	47
YPGS	33
YPKA	68
IPP Total	488
Total Gas	877

Total Gas Required : 1,113
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	34
PKLG	131
TJGS	71
Total	236

Generation Mix

Type	MWh	Percentage
ST-Coal	24,003.00	9.13 %
ST-Oil	3,226.00	1.23 %
Gas	50,404.00	19.17 %
Hydro	14,267.00	5.43 %
Distillate	10,016.00	3.81 %
Total TNB	101,916.0	38.76 %
ST-Coal	81,495.0	30.99 %
ST-Oil	12,884.0	4.90 %
Gas	66,085.0	25.13 %
Total IPP	160,464.0	61.02 %
Co-Gen	1,762.0	0.67 %
Total Co-Gen	1,762.0	0.67 %
Total Generation	264,142.0	100.45 %
PLTG	40.0	0.02 %
EGAT	421.0	0.16 %
HVDC	726.0	0.28 %
Interconnection	1,187.0	0.45 %
Net Energy	262,955.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	338
Hydro	122
Syncon	326
Thermal	107
Total	893

	Weather	Temperature
Morning	Sunny	25
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	105	105	105	105	105	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
SGRI	ST24	63	63	64	64	63	68	66	66	67	67	65	65	68	68	68	66	66	67	67	68	68	67	67	67
YPGS	GT12	108	108	105	105	103	104	104	105	106	106	106	106	105	104	105	104	103	104	104	105	105	105	105	105
YPGS	ST10	69	67	68	68	68	68	69	69	69	69	69	68	68	68	68	68	68	69	69	69	69	69	69	68
YPKA	BLK1	261	197	191	191	189	189	189	189	189	189	189	187	187	187	187	188	188	188	188	189	191	191	193	193
YPKA	BLK2	271	195	195	195	193	193	193	193	192	192	189	189	190	190	190	192	191	191	192	374	374	377	377	378
PLPS	GT11	139	139	139	139	139	139	139	139	139	102	102	102	102	102	102	136	136	135	135	133	133	133	133	133
PLPS	GT12	132	132	132	132	109	109	109	109	109	109	109	109	109	109	109	142	142	142	142	142	142	142	142	142
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
SKSP	BLK1	231	235	247	240	234	322	277	212	212	214	228	215	215	230	219	213	207	214	211	215	237	309	284	247
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	92	95	95	95	95	218	218	218	218	218	218	218	218	218
TJGS	ST1C	0	0	0	0	0	0	0	0	0	61	61	61	61	61	61	113	120	120	120	120	120	120	120	120
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	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 CCGT-Gas		4642	4452	4287	4079	4042	4229	4156	4078	4013	4042	4044	4023	3952	4105	4043	4034	4033	4042	4084	4293	4348	4596	4883	5030
BSIA	HY01	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	21	21	24	24	19	23	22	24	23	25	25	22	20	23	22	22	22	23	24	21	27	27	25	21
KNRG	HY02	23	23	23	23	22	23	23	24	23	24	23	23	23	23	24	23	25	24	24	22	24	23	24	22
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	91	-1	-1	-1	92	93	96	93	95	96	93	89	94	-1	-1	96	97	93	97	97	97	93	59	56
KNYR	HY02	94	54	63	60	87	87	71	86	95	93	102	60	55	61	60	59	59	63	65	57	103	103	85	57
KNYR	HY04	97	54	64	61	88	85	71	85	94	90	102	59	55	61	0	0	102	101	97	101	101	101	98	62
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	4	4	5	5	5	5	5	6	6	3	3	3	2	3	2	2	2	2	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	65	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	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	37	39	78	74	38	64	49	67	74	71	84	43	38	41	40	39	41	40	42	37	83	79	44	38
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	HY01	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		447	274	411	401	413	600	513	566	564	582	591	384	363	387	228	225	226	429	495	472	598	593	538	512
KLPP	GT14	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1A	114	114	114	114	115	115	112	116	112	113	116	113	113	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
TJGS	ST1C	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
TJGS	GT2A	227	227	226	226	227	228	228	227	227	228	228	228	227	191	133	131	131	131	130	223	223	227	226	225
TJGS	GT2B	222	223	222	222	223	222	225	224	223	224	223	225	223	223	188	126	127	127	127	127	218	223	223	220
TJGS	ST2C	245	246	245	245	245	245	244	245	245	244	245	245	225	193	192	192	193	193	254	244	247	248	247	247
Total Distillate		1003	881	878	881	881	881	882	878	881	883	881	880	695	604	452	450	450	451	450	695	690	697	694	698
PCUF	CUFG	51	50	50	50	52	51	50	50	50	50	52	51	50	49	51	51	48	50	48	51	49	50	50	49
PCUF	CUFK	23	23	23	23	23	23	24	24	24	24	24	24	23	23	23	23	23	23	24	24	20	20	20	21
Total Co-Gen		74	73	73	73	75	74	74	74	74	74	76	75	73	72	74	74	74	71	73	71	75	73	70	70
Total Gen		11603	11087	11006	10790	10569	10539	10354	10318	10292	10342	10362	10129	10038	10025	9721	9359	9496	9834	10066	10289	10713	11052	11383	11610
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	71	75	75	78	79	81	79	81
TIE-HVDC		31	31	30	30	30	31	31	30	30	30	30	31	31	31	31	31	31	30	29	29	29	29	29	31
TIE-PLTG		-7	-11	-3	-12	122	-85	-39	-16	-60	-77	-64	-49	-15	12	30	27	133	19	40	61	42	61	8	54
Interconnection		24	20	27	18	152	-55	-8	15	-30	-47	-34	-19	15	42	61	58	164	120	142	167	147	169	118	166
System Total		11579	11067	10979	10772	10417	10594	10362	10303	10322	10389	10396	10148	10023	9983	9660	9301	9332	9714	9924	10122	10566	10883	11265	11444
SRev ST-Coal		14	10	18	11	68	15	41	78	88	88	83	85	81	85	251	260	262	265	254	215	238	271	261	157
SRev ST-Oil		4	38	80	85	87	85	84	59	4	4	4	4	4	4	79	107	81	13	6	6	5	5	4	4
SRev CCGT-Gas		1108	968	993	906	943	756	829	907	972	943	941	962	1033	1065	1127	1136	1137	1128	1086	877	822	574	452	305
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
SRev Distillate		17	9	12	12	9	9	8	12	9	7	9	10	10	101	253	255	255	254	255	10	15	8	11	7
SRev Co-Gen		-6	-6	-6	-6	-6	-6	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6	-7	-7	-3	-3	-3
Syncon		474	580	580	580	580	323	323	323	474	323	474	474	474	474	580	580	474	474	474	474	474	474	474	474
Hydro		118	185	123	133	121	191	278	225	76	209	49	181	202	178	126	129	128	152	153	176	50	55	110	287
S.Reserve Total		1729	1784	1800	1721	1802	1373	1557	1593	1619	1569	1551	1708	1798	1810	2183	2431	2463	2349	2228	1997	1593	1387	1307	1084