

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	0	MW
ST-Oil	140	MW
Gas	3,950	MW
Hydro	1,732	MW
Distillate	0	MW
Total TNB	7,892	MW
Total IPP	11,193	MW
Total Co-Gen	86	MW
System Total	19,171	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30		
TNB Generation	4,719	MW
IPP Generation	7,577	MW
Total Set On Bus	13,343	MW
Maximum Demand	12,315	MW
Spinning Reserve	961	MW
Net Energy	266,163	MWH
Load Factor	90.1	%

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	12071	11603	11201	10652	10360	10200	10313	10259	9781	10100	10648	11162	11280	11196	11386	11299	11194	11011	10863	11261	12296	12214	12045	12051

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	59
PAKA	67
PGPS	25
TJGS	111
TNB Total	291

Alternate Fuel Usage

Station	(mmscfd)
PKLG	45
Total	45

Generation Mix

Type	MWh	Percentage
ST-Coal	41,412.00	15.56 %
Gas	37,881.00	14.23 %
Hydro	16,284.00	6.12 %
Total TNB	95,577.0	35.91 %
ST-Coal	84,315.0	31.68 %
ST-Gas	318.0	0.12 %
ST-Oil	4,326.0	1.63 %
Gas	79,328.0	29.80 %
Total IPP	168,287.0	63.23 %
Co-Gen	2,287.0	0.86 %
Total Co-Gen	2,287.0	0.86 %
Total Generation	266,151.0	100.00 %
PLTG	682.0	0.26 %
HVDC	-694.0	-0.26 %
Interconnection	-12.0	0.00 %
Net Energy	266,163.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	383
Hydro	160
Syncon	379
Thermal	23
Total	946

KLPP	110
MPSS	58
PGLA	106
PLPS	82
SGB3	38
SGRI	33
SKSP	53
YPGS	30
YPKA	94
IPP Total	605
Total Gas	896

Total Gas Required : 941
Gas Calorific Value : 38.500

Weather Temperature

	Weather	Temperature
Morning	Sunny	27
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
PLPS	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
PLPS	GT13	143	142	141	143	142	142	142	142	142	112	112	112	110	113	112	111	111	109	118	110	138	136	124	111
PLPS	ST18	145	146	145	145	144	144	143	144	145	132	132	132	132	138	137	138	138	133	137	132	146	142	144	138
SKSP	BLK1	339	298	336	337	334	334	303	303	336	343	228	216	236	295	212	215	212	210	214	236	306	339	336	329
TJGS	GT1A	227	227	227	227	227	227	228	231	228	231	228	228	227	209	224	212	193	229	229	229	226	226	226	226
TJGS	GT1B	220	220	220	220	220	220	220	220	220	220	220	217	199	212	202	184	218	222	222	221	218	218	218	218
TJGS	ST1C	260	260	260	260	260	260	260	260	260	260	250	236	248	238	223	252	258	258	258	258	258	258	258	258
Total CCGT-Gas		5794	5659	5624	5433	5168	5122	5047	5075	5065	4962	4681	4523	4434	4413	4324	4387	4149	4258	4410	4331	4505	4846	4959	5023
BSIA	HY01	20	20	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	HY02	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
KNRG	HY01	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	24	23	23	23	24	22	23	23	24	24	23	23	23	23	22	23	23	24	23	22	21	20	20	21
KNYR	HY01	102	95	102	103	102	103	95	100	101	105	103	103	103	98	100	-1	-1	-1	-1	-1	62	101	102	101
KNYR	HY02	101	94	101	101	101	101	94	99	100	101	101	101	97	99	99	0	0	59	102	73	92	86	71	60
KNYR	HY03	103	93	100	103	103	100	93	99	99	101	102	101	0	97	99	78	56	55	60	101	100	99	100	99
KNYR	HY04	103	95	102	103	103	102	95	100	101	103	103	103	103	98	100	0	0	60	102	101	100	101	100	98
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	112	109	110	113	116	111	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	113	109	110	115	118	110	109	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	112	-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	114	110	112	116	118	111	111	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	16	16	16	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	84	73	78	82	43	34	38	33	34	35	36	35	37	31	32	32	30	29	34	35	35	31	32	31
TMGR	HY03	71	43	-1	-1	0	17	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	78	70	75	78	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	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
Total Hydro		1419	1215	1123	1147	1054	1020	735	647	514	523	525	522	423	500	509	288	163	162	289	417	470	521	496	476
PCUF	CURF	45	47	46	46	46	46	47	45	46	46	47	46	47	48	48	48	48	49	48	49	49	49	49	49
PCUF	CURK	38	38	39	39	40	40	40	40	41	40	40	43	40	39	42	41	40	40	40	39	41	39	39	39
Total Co-Gen		83	85	85	85	86	86	87	85	87	86	87	89	87	87	90	89	88	89	88	88	86	86	89	90
Total Gen		12066	11750	11616	11474	11119	11016	10685	10521	10335	10268	10183	10315	10186	10326	10287	10170	9833	9851	10129	10258	10642	11035	11135	11242
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
TIE-HVDC		-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		23	29	43	-67	-53	55	62	46	4	-22	12	-6	-91	-49	57	30	81	13	58	37	23	26	2	
Interconnection		-5	1	13	-97	-82	26	33	17	-25	-51	-17	-35	-120	-78	28	1	52	-17	29	8	-6	-3	-27	
System Total		12071	11749	11603	11571	11201	10990	10652	10504	10360	10319	10200	10350	10306	10404	10259	10169	9781	9868	10100	10250	10648	11038	11162	11204

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																									
SRev ST-Coal		210	198	203	202	204	206	201	339	386	389	340	342	340	271	283	282	286	373	341	346	201	203	53	4	58	8	3	13	62	12	33	36	27	34	32	5	11	8	-6	-13	0	-7	-7	-2	-4	58	159	71	
SRev ST-Oil		0	0	0	0	0	0	28	28	28	28	28	28	28	28	28	28	28	28	10	10	28	28	28	28	28	28	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	26	26	26	26	26	27	27	49	4	-2	-5	-52	1
SRev CCGT-Gas		461	326	361	312	382	348	423	295	305	408	689	847	936	957	1046	983	1221	1112	960	1039	865	524	411	347	423	604	601	594	545	494	510	465	508	632	722	774	943	1074	941	576	399	367	504	399	494	462	381	419	
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		0	151	237	237	237	388	539	625	625	625	625	625	625	625	726	726	726	726	726	474	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
Hydro		246	299	185	161	194	228	247	184	81	72	70	73	72	95	86	106	131	132	205	77	276	225	99	119	138	79	240	138	69	104	131	72	91	110	65	73	226	203	170	344	389	397	360	324	366	406	378	468	
S.Reserve Total		922	979	991	917	1107	1109	1292	1390	1430	1527	1757	1920	2006	1981	2073	2130	2379	2358	2265	2221	1849	1459	1221	1128	1277	1320	1322	1374	1305	1239	1302	1201	1254	1404	1447	1508	1685	1790	1610	1110	992	961	1083	902	1031	926	871	964	