

Availability At Daily Maximum Demand Hour

ST-Coal	1,990	MW
ST-Gas	80	MW
ST-Oil	80	MW
Gas	4,441	MW
Hydro	1,849	MW
Distillate	0	MW
Total TNB	8,440	MW
Total IPP	10,572	MW
Total Co-Gen	73	MW
System Total	19,085	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30		
TNB Generation	5,932	MW
IPP Generation	7,529	MW
Total Set On Bus	14,364	MW
Maximum Demand	13,522	MW
Spinning Reserve	830	MW
Net Energy	295,103	MWH
Load Factor	90.9	%

Maximum Demand Record

Date :	09/05/2011	15,476.0 MW
Date :	24/04/2012	320,821.0 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	12782	12055	11692	11376	11077	10972	10867	10718	10507	11637	12320	13086	12995	12671	12971	13038	13018	12787	12148	12342	13454	13164	12982	12815

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	58
PAKA	89
PGPS	23
TJGS	199
TNB Total	413
KLPP	4
PGLA	92
PLPS	100
SGB3	50
SKSP	52
YPGS	34
YPKA	134
IPP Total	465
Total Gas	877
Total Gas Required :	948
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	71
Total	71

Generation Mix

Type	MWh	Percentage
ST-Coal	47,217.00	16.00 %
Gas	54,922.00	18.61 %
Hydro	22,988.00	7.79 %
Total TNB	125,127.0	42.40 %
ST-Coal	100,935.0	34.20 %
ST-Oil	6,727.0	2.28 %
Gas	61,405.0	20.81 %
Total IPP	169,067.0	57.29 %
Co-Gen	1,976.0	0.67 %
Total Co-Gen	1,976.0	0.67 %
Total Generation	296,170.0	100.36 %
PLTG	337.0	0.11 %
HVDC	730.0	0.25 %
Interconnection	1,067.0	0.36 %
Net Energy	295,103.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	340
Hydro	137
Syncon	320
Thermal	61
Total	858

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
TJGS	GT1B	171	168	168	167	170	105	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
TJGS	ST1C	224	213	210	210	210	164	160	160	160	160	160	160	160	250	257	260	260	260	260	257	257	257	257	257
TJGS	GT2A	165	163	163	164	163	163	164	164	164	166	164	164	166	164	213	212	211	209	208	208	209	209	208	208
TJGS	GT2B	161	157	157	158	160	158	158	159	158	159	160	158	159	160	157	158	210	210	207	207	205	205	205	205
TJGS	ST2C	224	230	229	229	229	229	229	229	229	229	228	228	229	228	228	262	263	262	261	261	261	261	261	261
Total CCGT-Gas		5276	5029	4491	4474	4408	4072	3922	3781	3779	3766	3778	3777	3814	3799	3767	3779	3813	3842	4418	4768	5136	5252	5417	5490
BSIA	HY01	22	22	22	23	22	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY03	24	24	25	24	24	24	24	24	24	24	24	24	24	23	24	24	24	24	24	24	24	24	24	24
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	8	8	9	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HY01	96	0	0	0	0	60	0	102	101	100	101	106	102	100	55	61	106	83	89	59	106	102	106	72
KNYR	HY02	95	98	103	101	89	104	99	86	94	84	90	85	107	96	80	65	81	107	85	79	62	94	104	97
KNYR	HY03	85	96	101	101	90	105	99	85	94	88	99	100	76	68	82	57	89	92	86	70	60	94	104	104
KNYR	HY04	90	98	104	102	89	104	98	84	100	88	99	100	91	100	80	69	60	104	86	87	61	79	94	96
LPLA	HY02	24	24	23	24	24	24	23	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
MNOR	HY01	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PGAU	HY01	-1	-1	21	-1	16	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	-1	-1	-1	20	-1
PGAU	HY02	-1	-1	-1	20	-1	-1	-1	-1	-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	0	0	0	0	0	0	0	0	0
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	50	50	50	50	50	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	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	77	78	81	80	77	81	79	78	-1	-1	-1	-1	55	40	0	0	79	81	61	84	83	83	72	71
TMGR	HY02	55	66	87	83	56	87	84	67	50	48	54	53	88	62	41	-1	-1	88	82	84	62	87	87	87
TMGR	HY03	55	65	84	81	49	84	81	64	50	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	55	62	80	77	50	80	77	65	49	44	51	50	81	58	40	39	54	81	75	77	59	79	79	
UPLA	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
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		905	860	960	944	814	893	922	796	785	741	738	733	793	787	709	529	587	879	816	808	810	1049	1131	1131
PCUF	CUFQ	49	48	48	47	48	48	47	48	48	50	49	48	46	50	41	41	40	42	40	41	40	48	49	48
PCUF	CUFK	40	39	40	41	35	35	34	33	30	33	31	31	34	35	35	34	34	33	33	32	31	27	25	24
Total Co-Gen		89	87	88	88	83	83	81	81	78	83	80	79	80	85	76	75	74	75	73	73	71	75	74	72
Total Gen		12767	12466	12027	11991	11790	11532	11412	11146	11131	10955	10966	10944	10909	10900	10776	10605	10559	11119	11763	12123	12474	12848	13094	13159
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		31	31	31	31	31	31	30	29	32	32	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		-46	31	-59	-36	67	7	6	18	22	37	-36	30	12	10	28	40	22	-68	96	33	123	16	-23	
Interconnection		-15	62	-28	-5	98	38	36	47	54	69	-6	60	42	40	58	70	52	-38	126	63	154	47	8	

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																									
System Total		12782	12404	12055	11996	11692	11494	11376	11099	11077	10886	10972	10884	10867	10860	10718	10535	10507	11157	11637	12060	12320	12801	13086	13167	12995	12815	12671	12799	12971	13011	13038	12945	13018	12979	12787	12419	12148	12154	12342	13066	13454	13522	13164	13286	12982	12964	12815	12742	
SRev ST-Coal		31	38	39	42	44	45	42	41	39	163	158	173	307	300	305	307	435	204	73	55	72	57	57	63	75	59	56	66	56	64	60	65	59	36	34	47	45	48	35	40	36	64	69	62	59	60	68	64	
SRev ST-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 ST-Oil		12	12	13	13	11	11	11	11	12	12	12	11	11	11	11	13	13	11	11	11	11	11	11	11	12	12	11	11	13	13	12	12	12	12	12	12	11	11	12	12	29	34	34	11	12	12	11	11	
SRev CCGT-Gas		964	1001	974	721	697	1033	1183	1324	1326	1339	1327	1328	1291	1306	1338	1326	1292	1263	927	577	349	443	383	310	373	438	617	557	437	386	382	434	385	395	465	1034	1097	1089	1076	346	281	307	251	239	414	458	570	707	
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		453	453	302	302	302	453	453	302	539	539	539	539	539	453	453	539	539	151	453	453	453	453	453	453	302	453	453	453	302	453	302	453	302	453	453	453	453	453	453	302	302	302	302	453	453	453	453	453	
Hydro		191	116	177	183	313	33	114	281	165	209	127	132	72	164	242	251	203	299	145	143	286	87	55	55	244	216	199	132	232	75	207	86	199	86	234	2	317	317	223	304	162	123	425	85	225	198	209	166	
S.Reserve Total		1651	1620	1505	1261	1367	1575	1803	1959	2081	2262	2163	2184	2220	2234	2349	2519	2567	2015	1609	1239	1171	1051	959	892	1006	1228	1336	1219	1040	991	963	1050	957	982	1198	1548	1923	1918	1799	1004	810	830	1081	850	1163	1181	1311	1401	