

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	80	MW
Gas	3,386	MW
Hydro	1,714	MW
Distillate	760	MW
Total TNB	7,390	MW
Total IPP	11,447	MW
Total Co-Gen	77	MW
System Total	18,914	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30		
TNB Generation	4,808	MW
IPP Generation	8,878	MW
Total Set On Bus	14,593	MW
Maximum Demand	13,889	MW
Spinning Reserve	830	MW
Net Energy	287,492	MWH
Load Factor	86.2	%

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	11246	10820	10451	9875	9832	9744	9774	10053	10573	12282	13037	13671	13621	13348	13779	13852	13681	13609	12585	12650	13274	12890	12264	11776

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	32
PGPS	52
TJGS	94
TNB Total	233
KLPP	64
PGLA	38
PKLG	7
PLPS	90
SGB3	66
SGRI	40
SKSP	45
YPGS	35
YPKA	132
IPP Total	516
Total Gas	749

Total Gas Required : 960
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	19
PGLA	26
PKLG	52
SGB3	14
TJGS	100
Total	211

Generation Mix

Type	MWh	Percentage
ST-Coal	30,675.00	10.67 %
ST-Gas	278.00	0.10 %
Gas	30,099.00	10.47 %
Hydro	21,653.00	7.53 %
Distillate	15,036.00	5.23 %
Total TNB	97,741.0	34.00 %
ST-Coal	102,373.0	35.61 %
ST-Gas	734.0	0.26 %
ST-Oil	5,011.0	1.74 %
Gas	67,598.0	23.51 %
Distillate	7,796.0	2.71 %
Total IPP	183,512.0	63.83 %
Co-Gen	2,029.0	0.71 %
Total Co-Gen	2,029.0	0.71 %
Total Generation	283,282.0	98.54 %
PLTG	97.0	0.03 %
HVDC	-4,307.0	-1.50 %
Interconnection	-4,210.0	-1.46 %
Net Energy	287,492.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	486
Hydro	277
Syncon	176
Thermal	57
Total	996

Weather Temperature

Weather	Temperature
Morning	Sunny 27
Afternoon	Hot 31

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	110	110	110	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
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	129	129	129	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
SKSP	BLK1	226	216	214	256	238	214	214	216	234	233	209	211	214	247	259	261	226	309	301	297	294	213	310	318
TJGS	GT1A	221	215	181	173	150	212	179	147	155	156	144	144	144	167	186	189	151	218	199	189	185	140	142	201
TJGS	GT1B	217	210	175	166	143	208	176	140	149	154	136	137	137	161	180	180	145	216	193	181	180	136	136	194
TJGS	ST1C	239	244	234	201	204	239	226	190	196	184	184	184	208	212	216	208	229	225	221	223	187	187	224	195
Total CCGT-Gas		3780	3562	3459	3447	3367	3405	3329	3244	3154	3146	3085	3111	3219	3330	3387	3409	3299	3880	4592	4806	4945	4811	4979	5229
BSIA	HY01	13	13	13	13	13	13	13	13	13	12	12	12	13	13	13	12	13	12	12	13	13	13	13	13
BSIA	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
CEND	HY01	7	7	6	7	6	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10
CEND	HY02	6	7	6	7	6	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	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
KNRG	HY03	25	25	25	27	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
KNYR	HY01	98	97	95	101	96	58	98	98	97	80	56	46	103	103	103	54	81	57	54	56	99	99	95	100
KNYR	HY02	101	99	98	104	99	99	97	101	102	101	99	98	88	106	106	106	92	95	93	95	97	103	102	99
KNYR	HY03	101	100	99	104	100	100	97	101	102	102	99	99	88	104	104	104	93	95	94	96	97	104	103	100
KNYR	HY04	102	101	100	104	100	101	98	102	103	103	100	99	89	104	104	104	94	96	95	97	99	104	104	101
LPIA	HY01	20	23	23	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	19	21	21	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	112	22	-1	20	113	113	113	113	113
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	10	102	108	77	80	82	113	114	113	113	113
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	109	77	80	79	113	114	113	113	112
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	51	51	51
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	51	51	51
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	50	51	51	51
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	25	25	25	25	25
SYPS	HY03	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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	53	53	39	86	64	40	39	50	61	75	46	40	36	72	86	86	38	70	38	37	39	72	85	42
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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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		670	671	650	606	562	546	499	562	576	588	533	501	455	623	614	626	684	904	912	903	939	1282	1302	1237
KLPP	GT13	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	132	132	132	133
KLPP	GT14	130	131	130	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135	139	214	215	216
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	130	130	130	130
TJGS	GT2A	228	228	228	228	228	190	148	133	132	133	132	132	132	132	132	210	228	228	228	228	228	228	228	228
TJGS	GT2B	222	223	223	223	223	186	142	129	128	128	126	128	128	127	127	202	224	224	224	222	222	222	224	222
TJGS	ST2C	245	245	246	245	244	226	209	188	191	192	191	191	192	191	191	214	245	244	244	245	245	245	245	245
Total Distillate		922	827	827	765	695	602	499	450	451	453	449	451	452	450	450	451	626	697	696	904	1093	1098	1171	1173

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																										
PCUF	CUFG	51	52	52	52	56	54	52	52	52	52	53	53	53	51	53	51	53	51	53	53	53	53	51	52	52	52	53	53	50	52	53	51	52	53	51	52														
PCUF	CUFK	28	29	28	26	26	28	29	28	27	28	29	28	27	26	26	27	25	26	27	26	26	25	26	27	25	26	24	25	25	24	26	25	26	25	25	27	27	26	27	25	26	27	28							
Total Co-Gen		79	81	80	78	82	82	81	80	79	80	81	80	79	77	79	78	77	79	78	78	77	78	79	80	77	77	75	78	78	75	78	77	78	78	78	77	79	79	78	77	79	78	80							
Total Gen		11024	10708	10506	10240	10100	10028	9618	9591	9532	9549	9455	9528	9599	9655	9672	9823	10311	11342	12056	12478	12896	13124	13453	13677	13475	13328	13182	13275	13594	13763	13664	13507	13582	13536	13489	13059	12537	12619	12581	13123	13210	13178	12918	12699	12259	12101	11873	11339		
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			
TIE-HVDC		-196	-294	-293	-293	-293	-294	-292	-292	-295	-294	-294	-292	-295	-295	-293	-293	-293	-295	-146	-147	-146	-147	-148	-147	-147	-148	-148	-147	-146	-146	-147	-149	-147	-149	-148	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-195				
TIE-PLTG		-26	-50	-21	-89	-58	64	35	-18	-5	30	5	18	117	-130	-86	-118	31	11	69	35	6	-46	-71	-26	1	33	-18	-33	-38	20	-42	10	48	64	27	64	100	38	-40	-14	-35	93	58	-34	25	74	126	-31		
Interconnection		-222	-344	-314	-382	-351	-230	-257	-310	-300	-264	-289	-276	-175	-425	-381	-411	-262	-282	-226	-111	-141	-192	-218	-174	-146	-114	-166	-181	-185	-126	-188	-136	-99	-85	-120	-85	-48	10	-69	-43	-64	64	28	-64	-4	45	97	-226		
System Total		11246	11052	10820	10622	10451	10258	9875	9901	9832	9813	9744	9804	9774	10080	10053	10234	10573	11624	12282	12589	13037	13316	13671	13851	13621	13442	13348	13456	13779	13889	13852	13643	13681	13621	13609	13144	12585	12609	12650	13166	13274	13114	12890	12763	12263	12056	11776	11565		
SRev	ST-Coal	62	68	145	291	288	307	488	503	492	491	490	493	498	498	499	235	68	63	52	58	77	54	60	61	59	59	54	61	72	53	12	-4	-40	75	1	61	24	60	54	51	64	63	67	60	52	50	44			
SRev	ST-Gas	0	0	0	0	28	28	28	0	0	0	0	0	0	65	59	55	49	21	22	0	2	13	8	10	6	4	10	17	0	0	0	0	0	0	0	0	0	0	0	0	0	44	24	8	0	0	0	0		
SRev	ST-Oil	0	0	0	0	0	0	0	56	28	28	28	23	6	28	28	28	28	2	2	16	20	30	33	32	9	20	0	0	1	1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	-11	-9	-19	19	30	
SRev	CCGT-Gas	530	678	781	793	1013	975	1051	1136	1226	1234	1295	1499	1391	1280	1223	1201	1311	870	658	534	475	579	411	311	549	686	868	743	470	280	383	434	391	461	610	617	997	1015	743	445	459	488	586	784	776	641	769	681		
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		
SRev	Distillate	58	13	13	75	5	98	201	250	249	247	251	249	248	250	250	249	74	3	4	79	117	112	39	37	36	38	101	106	46	40	38	34	31	37	36	34	95	104	132	11	12	8	40	67	235	5	4	388		
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		
SRev	Syncon	625	625	625	625	625	625	625	625	625	625	625	625	474	625	474	323	172	172	323	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	323	474	625	625	625
SRev	Hydro	126	125	146	40	84	100	147	84	70	58	113	145	191	174	32	171	264	220	437	295	410	250	230	295	232	288	241	228	220	255	275	296	286	291	332	269	329	258	294	277	343	409	416	273	366	150	155	51		
S.Reserve Total		1411	1519	1720	1834	2053	2143	2550	2664	2700	2693	2813	3041	2964	2714	2731	2691	2300	1420	1367	1317	1258	1222	959	926	1102	1268	1475	1323	996	830	932	957	885	931	1235	1103	1664	1583	1411	969	1091	1175	1295	1513	1912	1464	1632	1829		