

Availability At Daily Maximum Demand Hour

ST-Coal	1,290	MW
ST-Gas	150	MW
ST-Oil	0	MW
Gas	4,241	MW
Hydro	1,712	MW
Distillate	0	MW
Total TNB	7,393	MW
Total IPP	11,310	MW
Total Co-Gen	81	MW
System Total	18,784	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30		
TNB Generation	5,266	MW
IPP Generation	9,443	MW
Total Set On Bus	15,630	MW
Maximum Demand	14,861	MW
Spinning Reserve	840	MW
Net Energy	307,341	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	12190	11473	11067	10881	10680	10554	10714	10833	11372	13058	13947	14606	14560	14144	14538	14679	14456	14123	13217	12973	13885	13736	13174	12620

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	32
PAKA	124
PGPS	48
TJGS	205
TNB Total	457
KLPP	4
MPSS	47
PGLA	89
PKLG	15
PLPS	93
SGB3	74
SGRI	105
SKSP	52
YPGS	34
YPKA	137
IPP Total	651
Total Gas	1,107

Total Gas Required : 1,139
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	31
Total	31

Generation Mix

Type	MWh	Percentage
ST-Coal	30,758.00	10.01 %
Gas	60,823.00	19.79 %
Hydro	16,353.00	5.32 %
Total TNB	107,934.0	35.12 %
ST-Coal	109,241.0	35.54 %
ST-Gas	1,415.0	0.46 %
ST-Oil	3,108.0	1.01 %
Gas	82,858.0	26.96 %
Total IPP	196,622.0	63.98 %
Co-Gen	2,135.0	0.69 %
Total Co-Gen	2,135.0	0.69 %
Total Generation	306,691.0	99.79 %
PLTG	46.0	0.01 %
HVDC	-696.0	-0.23 %
Interconnection	-650.0	-0.21 %
Net Energy	307,341.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	285
Hydro	177
Syncon	386
Thermal	58
Total	906

Weather Temperature

Weather	Temperature
Morning	Sunny 26
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	62	62	62	61	61	64	64	62	62	64	64	64	64	61	61	64	64	61	74	71	71	71	71	71	71
YPGS	GT12	130	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	ST10	70	67	69	69	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69
YPKA	BLK1	358	358	374	373	373	374	374	374	376	376	376	376	376	375	375	369	369	371	371	370	370	367	367	366	365
YPKA	BLK2	380	380	395	394	394	395	395	395	397	397	397	397	396	396	396	389	389	392	392	390	390	387	387	386	384
PLPS	GT11	143	142	71	71	71	71	71	69	69	71	70	71	70	71	146	144	142	140	140	141	143	143	143	143	143
PLPS	GT12	62	12	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	144	144	105	69	69	68	67	69	69	68	68	69	68	69	69	113	143	144	141	141	141	141	138	138	138
PLPS	ST18	195	146	123	102	101	101	100	102	101	101	101	100	101	106	105	137	149	213	215	215	214	216	216	215	215
SKSP	BLK1	211	232	262	262	329	232	234	214	218	217	211	218	246	253	213	219	247	225	340	337	345	344	344	344	342
TJGS	GT1A	227	227	227	104	107	111	111	110	110	110	110	110	110	110	110	228	228	228	228	228	228	228	228	228	228
TJGS	GT1B	218	218	218	91	99	97	97	96	96	97	97	97	97	97	97	213	220	217	217	217	217	217	217	217	217
TJGS	ST1C	258	258	261	187	150	150	150	150	150	150	150	150	150	150	242	258	258	258	258	258	258	258	258	258	258
TJGS	GT2A	217	217	181	182	183	182	182	182	183	182	183	183	183	183	217	216	216	215	214	215	214	215	214	215	214
TJGS	GT2B	215	212	177	177	177	178	178	178	178	179	177	179	178	178	177	177	178	217	214	214	214	214	211	211	211
TJGS	ST2C	264	264	239	240	241	240	240	240	240	240	239	239	240	266	265	264	264	264	264	264	264	264	264	264	264
Total CCGT-Gas		5465	5184	4854	4496	4505	4391	4383	4372	4374	4373	4376	4379	4410	4412	4424	4445	4752	5808	6467	6915	7164	7466	7487	7515	7190
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	0
BSIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21
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	0
CEND	HY01	10	10	10	10	10	9	10	9	10	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	10	10	10	10	9	10	10	10	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	9	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	36	36	38	38	37	20	20	19	21	23	23	17	20	21	16	21	20	21	21	35	35	35	34	35	36
KNRG	HY03	38	38	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	24	38	38	38	37	37	37
KNYR	HY02	65	73	103	105	64	85	97	69	-1	-1	-1	104	102	54	-1	100	49	92	90	98	97	97	98	98	
KNYR	HY03	96	76	74	104	63	97	95	83	58	63	85	105	102	57	94	91	47	100	78	98	98	99	99	101	
KNYR	HY04	92	85	69	91	75	83	89	94	81	0	0	0	103	55	91	92	86	94	90	99	98	99	99	102	
LPIA	HY01	18	18	17	20	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	6	6	7	7	
PGAU	HY01	0	0	0	0	0	0	-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	-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	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0
SIHY	HY02	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
SIHY	HY03	49	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	25	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	25	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	25	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	25	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	-1	-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	-1	-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	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	0
TMGR	HY04	32	31	34	39	32	33	33	32	33	32	33	35	34	30	33	33	28	33	33	32	32	32	32	32	32
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	5
UPIA	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	4
Total Hydro		640	452	467	529	421	451	449	422	330	219	225	250	379	500	326	350	450	337	453	525	546	727	909	1140	1186

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	54	53	52	51	51	53	49	52	53	51	51	52	53	52	51	50	52	53	52	53	47	47	51	50	50	48	50	50	50	50	51	50	51	51	52	51	51	52	51	54	51	51	50	50	52	50	52	51			
PCUF	CUFK	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	34	31	33	32	31	31	31	32	32	30	30	28	29	30	30	30	29	29	31	29	30	31	31	30	31	31	29	29	30						
Total Co-Gen		85	84	83	82	82	84	80	83	84	82	82	83	84	83	82	81	83	84	83	87	78	80	83	81	81	79	82	82	80	80	79	79	81	81	82	80	80	83	80	84	82	82	80	81	83	79	81	81			
Total Gen		12246	11758	11442	11168	11061	10930	10803	10723	10626	10521	10537	10485	10666	10986	10853	10785	11348	12310	13083	13590	13866	14349	14551	14790	14514	14287	14103	14141	14456	14612	14619	14571	14454	14531	14160	13629	13221	12861	12997	13635	13903	13755	13665	13391	13174	12960	12578	12244			
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	0		
TIE-HVDC		-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28			
TIE-PLTG		84	84	-2	-103	23	24	-48	16	-25	7	12	32	-19	76	49	50	5	44	54	13	-53	-14	-26	-42	-17	52	-12	19	-53	13	-30	-13	27	19	66	21	33	34	53	-47	47	64	-41	-43	29	27	-13	-45			
Interconnection		56	55	-31	-132	-6	-6	-78	-13	-54	-22	-17	3	-48	46	20	21	-24	15	25	-16	-81	-42	-55	-71	-46	23	-41	-10	-82	-16	-60	-41	-2	-10	37	-8	4	5	24	-76	18	34	-71	-72	0	-2	-42	-73			
System Total		12190	11703	11473	11300	11067	10936	10881	10736	10680	10543	10554	10482	10714	10940	10833	10764	11372	12295	13058	13606	13947	14391	14606	14861	14560	14264	14144	14151	14538	14628	14679	14612	14456	14541	14123	13637	13217	12856	12973	13711	13885	13721	13736	13463	13174	12962	12620	12317			
SRev ST-Coal		48	66	66	43	51	100	124	124	130	126	117	124	122	113	83	195	41	23	24	41	26	35	36	53	69	76	81	93	86	72	49	73	80	75	78	70	72	62	59	53	58	40	31	-8	44	37	20	-6			
SRev ST-Gas		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 CCGT-Gas		785	996	1186	1544	1535	1678	1686	1697	1695	1696	1693	1690	1659	1657	1730	1709	1402	451	722	554	445	223	247	219	544	604	690	687	250	186	222	167	270	222	548	452	657	1007	995	417	109	253	280	355	453	818	994	1352			
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	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	0
Syncon		474	474	474	474	474	323	474	474	585	585	585	585	474	323	625	736	625	625	625	388	539	453	453	302	302	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	
Hydro		159	197	182	120	228	311	162	189	170	171	165	140	122	262	284	149	160	273	157	322	150	155	258	238	214	211	309	269	121	178	157	145	226	57	100	207	173	261	137	87	441	313	173	202	255	107	122	33			
S.Reserve Total		1494	1761	1936	2209	2316	2440	2474	2512	2608	2606	2588	2567	2405	2383	2750	2817	2256	1400	1556	1333	1188	894	1022	840	1157	1372	1561	1530	938	917	909	866	1034	807	1179	1268	1446	1809	1670	1036	1066	1064	942	1007	1210	1420	1594	1838			