

Availability At Daily Maximum Demand Hour

ST-Coal	1,640	MW
ST-Gas	0	MW
ST-Oil	160	MW
Gas	3,781	MW
Hydro	1,851	MW
Distillate	60	MW
Total TNB	7,492	MW
Total IPP	10,313	MW
Total Co-Gen	77	MW
System Total	17,882	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:00	
TNB Generation	5,747 MW
IPP Generation	8,764 MW
Total Set On Bus	15,543 MW
Maximum Demand	14,636 MW
Spinning Reserve	952 MW
Net Energy	298,593 MWH
Load Factor	85.0 %

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	11522	11055	10421	10337	10101	10097	10470	10628	11087	12459	13437	14150	14286	13963	14356	14636	14478	14101	13214	13200	13654	13380	12870	12020

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	56
PAKA	132
SRDG	4
TJGS	149
TNB Total	394
KLPP	40
MPSS	29
PDPS	14
PGLA	3
PLPS	97
SGB3	58
SGRI	88
SKSP	33
YPGS	55
YPKA	132
IPP Total	548
Total Gas	942

Total Gas Required : 1,178
Gas Calorific Value : 38.500
Alternate Fuel Usage

Station	(mmscfd)
KLPP	42
PGPS	31
PKLG	134
SGB3	18
SGRI	11
Total	236

Generation Mix

Type	MWh	Percentage
ST-Coal	37,111.00	12.43 %
ST-Oil	2,929.00	0.98 %
Gas	53,211.00	17.82 %
Hydro	19,432.00	6.51 %
Total TNB	112,683.0	37.74 %
ST-Coal	88,313.0	29.58 %
ST-Oil	13,172.0	4.41 %
Gas	72,239.0	24.19 %
Distillate	9,472.0	3.17 %
Total IPP	183,196.0	61.35 %
Co-Gen	2,045.0	0.68 %
Total Co-Gen	2,045.0	0.68 %
Total Generation	297,924.0	99.78 %
PLTG	30.0	0.01 %
HVDC	-699.0	-0.23 %
Interconnection	-669.0	-0.22 %
Net Energy	298,593.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	369
Hydro	218
Syncon	273
Thermal	81
Total	941

Weather Temperature

Time	Weather	Temperature
Morning	Cloudy	24
Afternoon	Rainy	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																											
TMGR	HY02	39	41	42	38	57	81	79	34	79	59	82	57	82	68	42	35	59	32	82	81	44	81	81	71	48	68	68	81	80	79	60	46	40	59	42	42	37	37	81	50	57	75	68	72	57	38	65	43			
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	0	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	-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	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
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	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		560	534	536	406	440	545	473	256	241	252	275	232	476	497	620	459	509	497	523	1085	862	1044	1058	1295	1260	993	1051	1095	1367	1475	1449	1282	1288	1457	1424	1162	1105	1042	880	1054	1029	935	760	712	699	673	559	537			
KLPP	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGR1	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	0	0	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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	52	51	52	54	52	52	51	52	51	52	52	53	52	51	52	53	51	51	53	53	52	52	52	51	51	52	53	52	51	51	51	52	53	53	52	52	51	53	52	50	52	51	52	50	53	53	51	51	51		
PCUF	CUFK	32	32	32	32	34	34	32	32	33	33	32	32	30	32	32	32	33	33	32	32	32	32	32	29	29	29	29	30	30	29	29	29	29	29	29	29	30	30	33	33	30	30	32	32	32	32	33	33	33	33	
Total Co-Gen		84	83	84	86	86	86	83	84	84	85	84	85	82	83	84	85	84	84	85	85	84	84	84	83	80	81	82	81	81	81	80	81	82	82	81	81	81	83	85	83	82	81	84	82	85	85	84	84			
Total Gen		11560	11182	11075	10711	10385	10384	10276	10026	10022	9958	10053	9974	10288	10562	10664	10389	11113	11836	12337	13138	13445	13737	14091	14304	14258	13857	13905	13978	14289	14559	14591	14388	14449	14407	14109	13683	13196	13030	13093	13586	13607	13510	13421	13140	12857	12604	11994	11819			
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	0	0
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		67	37	49	-59	-7	1	-32	127	-50	36	-15	-11	-153	35	65	56	55	-44	-92	28	38	-67	-30	13	1	-11	-29	-46	-38	36	-16	-26	1	-6	37	42	11	37	-78	-11	-18	-77	70	6	17	76	2	-3			
Interconnection		38	8	20	-88	-36	-28	-61	98	-79	7	-44	-40	-182	6	36	27	26	-74	-122	-2	8	-96	-59	-16	-28	-40	-58	-75	-67	7	-45	-56	-29	-35	8	13	-18	8	-107	-40	-47	-106	41	-24	-13	47	-26	-31			
System Total		11522	11174	11055	10799	10421	10412	10337	9928	10101	9951	10097	10014	10470	10556	10628	10362	11087	11910	12459	13140	13437	13833	14150	14320	14286	13897	13963	14053	14356	14552	14636	14444	14478	14442	14101	13670	13214	13022	13200	13626	13654	13616	13380	13164	12870	12557	12020	11850			
SRev ST-Coal		54	55	55	148	215	282	282	304	375	379	378	364	366	280	292	289	159	52	51	68	63	65	66	61	45	73	64	69	71	83	66	48	70	85	54	56	64	67	68	63	64	75	62	113	103	55	48	51			
SRev ST-Gas		0	0	0	0	0	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		-3	-2	22	5	1	0	0	-34	-40	-41	-48	-56	-56	5	5	5	5	5	5	8	12	11	11	12	12	12	12	12	34	41	50	50	51	51	52	49	16	10	10	9	10	12	13	14	9	6	6	8			
SRev CCGT-Gas		758	777	423	583	880	920	977	1019	941	1016	947	1006	931	768	778	896	971	693	766	512	488	377	259	284	309	382	402	365	297	303	342	451	372	385	327	317	748	856	632	317	270	261	190	174	319	399	509	363			
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 Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		-4	-3	-4	-3	-6	-5	-4	-5	-6	-5	-4	-3	0	-4	-5	-5	-5	-4	-4	-6	-4	-3	-4	-6	0	-3	-3	-4	-4	-4	-3	-4	-3	-3	-3	-4	-4	-4	-6	-5	-1	-2	-5	-3	-4	-5	-6	-5			
Syncon		625	625	625	625	474	625	474	625	726	726	726	474	323	323	625	474	474	474	474	237	237	237	237	237	237	237	474	474	323	237	151	151	151	151	151	151	151	237	323	323	474	474	625	474	625	625	625	625	625	625	
Hydro		82	85	83	213	330	74	197	163	77	66	43	86	94	221	198	157	262	269	246	171	417	212	348	295	330	360	302	409	223	206	232	399	393	224	257	283	252	315	322	248	172	342	93	91	104	130	60	82			
S.Reserve Total		1662	1687	1354	1721	2044	2046	2172	2222	2223	2291	2192	2273	1959	1593	1591	1967	1866	1494	1677	1194	1251	937	952	920	969																										