

Availability At Daily Maximum Demand Hour

ST-Coal	1,290 MW
ST-Gas	80 MW
ST-Oil	80 MW
Gas	3,696 MW
Hydro	1,540 MW
Distillate	700 MW
Total TNB	7,386 MW
Total IPP	10,276 MW
Total Co-Gen	47 MW
System Total	17,709 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	6,238 MW	
IPP Generation	8,708 MW	
Total Set On Bus	15,854 MW	
Maximum Demand	14,974 MW	
Spinning Reserve	861 MW	
Net Energy	311,162 MWH	
Load Factor	86.6 %	

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	12480	11744	11272	11071	10801	10729	10743	10959	11228	12978	13755	14301	14433	14098	14324	14914	14974	14643	13416	13122	14131	13846	13403	12986

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	58
PAKA	136
PGPS	48
SRDG	21
TJGS	118
TNB Total	429
KLPP	4
PDPS	2
PGLA	91
PKLG	2
PLPS	90
PTEK	1
SGB3	62
SGRI	115
SKSP	45
YPGS	34
YPKA	135
IPP Total	581
Total Gas	1,010
Total Gas Required :	1,269
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PGLA	2
PGPS	14
PKLG	135
PLPS	8
SGB3	15
SGRI	6
TJGS	80
Total	259

Generation Mix

Type	MWh	Percentage
ST-Coal	30,927.00	9.94 %
ST-Oil	1,293.00	0.42 %
Gas	54,652.00	17.56 %
Hydro	23,937.00	7.69 %
Distillate	11,218.00	3.61 %
Total TNB	122,027.0	39.22 %
ST-Coal	94,207.0	30.28 %
ST-Oil	13,269.0	4.26 %
Gas	76,205.0	24.49 %
Distillate	3,847.0	1.24 %
Total IPP	187,528.0	60.27 %
Co-Gen	1,433.0	0.46 %
Total Co-Gen	1,433.0	0.46 %
Total Generation	310,988.0	99.94 %
PLTG	-188.0	-0.06 %
HVDC	14.0	0.00 %
Interconnection	-174.0	-0.06 %
Net Energy	311,162.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	473
Hydro	276
Syncon	55
Thermal	62
Total	866

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
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
UPIA	HY02	4	4	5	5	4	4	5	5	5	5	4	5	5	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		908	763	952	1023	737	994	912	743	868	830	867	883	851	753	775	764	890	1131	942	1077	1193	1122	1201	
PGLA	GT11	223	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2A	229	229	230	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	228	228	228	118	119	37	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST2C	248	248	248	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Distillate		960	881	706	209	119	37	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	18	19	20	20	19	19	19	19	19	20	19	19	20	19	19	20	20	19	20	19	19	19	19	
PCUF	CUFK	34	36	36	38	36	36	36	38	37	38	37	37	38	34	35	31	32	33	31	30	30	31	32	
Total Co-Gen		52	55	56	58	55	55	55	57	56	58	56	57	59	56	58	57	52	54	50	51	53	50	49	
Total Gen		12449	11969	11865	11474	11353	11211	11077	10906	10708	10813	10679	10673	10701	11052	10991	10966	11279	12117	12991	13519	13812	14253	14414	
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	
TIE-HVDC		29	29	31	31	31	30	31	29	29	29	29	31	31	31	31	31	30	29	31	31	31	31	30	
TIE-PLTG		-60	2	90	-65	50	-56	-25	12	-122	19	-79	7	-71	-37	1	-3	20	-96	-18	104	27	18	84	
Interconnection		-31	31	121	-34	81	-26	6	41	-93	50	-50	36	-42	-6	32	28	51	-65	13	134	57	47		
System Total		12480	11938	11744	11508	11272	11237	11071	10865	10801	10763	10729	10637	10743	11058	10959	10938	11228	12182	12978	13385	13755	14206	14301	
SRev ST-Coal		42	35	35	39	43	39	30	35	96	30	98	100	100	39	41	46	34	44	45	48	29	104	97	
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	
SRev ST-Oil		-4	-4	-5	5	-8	-5	-6	-5	-5	-4	-4	-4	-4	-4	-4	-3	-5	-5	-5	5	6	6	7	
SRev CCGT-Gas		702	1108	868	316	537	855	647	756	1020	942	1046	1047	1036	715	678	717	1002	1008	1026	708	658	289	282	
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	
SRev Distillate		120	59	234	491	111	193	113	0	0	0	0	0	0	0	0	0	0	0	0	3	6	4	6	
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	
Syncon		453	453	302	302	453	302	302	453	453	453	453	453	453	453	453	302	453	302	0	0	0	0	0	
Hydro		29	174	136	65	200	94	176	194	69	107	70	71	54	86	184	313	173	348	409	598	463	347	418	
S.Reserve Total		1342	1825	1570	1218	1336	1478	1262	1433	1633	1527	1663	1639	1289	1352	1374	1658	1699	1475	1352	1151	749	936	788	