

Availability At Daily Maximum Demand Hour

ST-Coal	1,290 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	2,827 MW
Hydro	1,662 MW
Distillate	760 MW
Total TNB	6.694 MW
Total IPP	10,902 MW
Total Co-Gen	54 MW
System Total	17,650 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	4,642 MW
IPP Generation	8,711 MW
Total Set On Bus	14,170 MW
Maximum Demand	13,395 MW
Spinning Reserve	762 MW
Net Energy	290,824 MWH
Load Factor	90.5 %

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	12537	11890	11485	11185	11008	10617	10530	10346	10397	11648	12522	13202	13319	12868	13339	13311	13068	12505	11956	12393	13332	13237	12825	12299

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	57
PAKA	93
SRDG	1
TJGS	43
TNB Total	238
KLPP	58
MPSS	42
PLPS	68
SGB3	52
SGRI	52
SKSP	21
YPGS	33
YPKA	140
IPP Total	466
Total Gas	705

Total Gas Required : 1,048
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	24
PGPS	33
PKLG	136
PLPS	25
SGB3	17
TJGS	108
Total	343

Generation Mix

Type	MWh	Percentage
ST-Coal	29,410.00	10.11 %
ST-Oil	3,108.00	1.07 %
Gas	30,337.00	10.43 %
Hydro	20,728.00	7.13 %
Distillate	16,460.00	5.66 %
Total TNB	100,043.0	34.40 %
ST-Coal	105,588.0	36.31 %
ST-Oil	13,378.0	4.60 %
Gas	61,871.0	21.27 %
Distillate	8,638.0	2.97 %
Total IPP	189,475.0	65.15 %
Co-Gen	2,317.0	0.80 %
Total Co-Gen	2,317.0	0.80 %
Total Generation	291,835.0	100.35 %
PLTG	288.0	0.10 %
HVDC	723.0	0.25 %
Interconnection	1,011.0	0.35 %
Net Energy	290,824.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	357
Hydro	199
Syncon	172
Thermal	44
Total	772

Weather Temperature

Weather	Temperature
Morning	Sunny 25
Afternoon	Hot 34

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	GT2A	228	228	227	228	228	228	228	228	228	228	228	227	228	228	227	227	226	226	225	224	224	225	226	226	225	170	172	226	226	226	226	227	226	228	227	227														
TJGS	GT2B	222	221	221	223	223	220	224	223	224	222	222	222	223	223	222	222	222	222	222	222	222	222	222	222	222	165	165	224	221	221	222	222	220	221	223	221														
TJGS	ST2C	245	245	245	245	244	245	245	245	245	245	245	245	246	245	246	247	246	246	247	247	247	247	247	247	247	212	210	241	248	246	246	248	246	248	246	248	246													
Total Distillate		1234	1210	944	830	695	693	697	696	697	695	695	695	696	696	696	694	697	696	695	950	970	968	1094	1096	1092	1094	1094	1093	1092	1093	1094	1094	1095	1095	1099	1097	900	901	1096	1099	1097	1100	1018	973	978	980	977			
PCUF	CUFG	52	54	55	55	55	55	55	55	55	55	55	53	54	54	53	54	52	52	53	52	53	53	53	53	52	52	53	54	53	55	53	53	53	54	52	54	52	53	51	51	52	52	53	52	52	52				
PCUF	CUFK	47	47	47	47	46	46	47	47	47	47	47	47	47	47	47	47	48	48	44	44	47	47	47	47	0	1	1	43	43	43	43	45	45	42	42	46	46	44	44	42	42	46	46	47	47	47	47			
Total Co-Gen		99	101	102	102	101	101	102	102	102	102	102	100	101	101	100	100	97	96	100	100	100	100	100	100	52	52	54	55	96	98	96	96	98	99	94	96	98	99	95	95	94	94	99	98	99	99	99			
Total Gen		12537	12203	11912	11596	11522	11205	11316	11079	10934	10776	10685	10619	10545	10676	10440	10305	10464	11204	11694	12190	12592	12957	13260	13434	13384	13181	12932	13103	13380	13408	13291	13209	13139	13047	12630	12449	12104	12195	12473	13274	13357	13192	13241	13043	12880	12913	12427	12441		
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		
TIE-HVDC		29	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	31	31	31	30	30			
TIE-PLTG		-29	-49	-8	-45	7	-130	100	49	-104	8	38	38	-15	-18	64	30	37	33	16	-25	40	10	28	59	35	38	34	-15	11	-17	-50	46	41	0	95	-33	118	-5	50	33	-6	48	-26	9	24	11	97	16		
Interconnection		0	-19	22	-15	37	-99	131	79	-74	38	68	68	15	12	94	60	67	63	46	5	70	40	58	89	65	68	64	15	41	13	-20	76	71	30	125	-3	148	25	80	64	25	78	4	40	55	42	128	46		
System Total		12537	12222	11890	11611	11485	11304	11185	11000	11008	10738	10617	10551	10530	10664	10346	10245	10397	11141	11648	12185	12522	12917	13202	13345	13319	13113	12868	13088	13339	13395	13311	13133	13068	13017	12505	12452	11956	12170	12393	13210	13332	13114	13237	13003	12825	12871	12299	12395		
SRev	ST-Coal	29	16	33	29	32	19	35	46	24	26	129	165	157	156	157	266	256	45	56	41	63	61	65	46	52	57	47	47	67	45	46	29	20	16	35	12	28	17	19	21	23	25	23	41	38	42	44	32		
SRev	ST-Oil	7	6	6	20	19	6	8	6	6	4	3	3	4	3	4	4	4	4	4	4	4	4	4	3	5	7	10	20	17	17	17	19	17	10	8	7	7	8	7	6	5	6	5	9	9	8	8	8	7	7
SRev	CCGT-Gas	496	473	346	401	381	283	339	411	600	626	632	719	724	711	725	712	791	451	589	534	438	216	414	350	311	617	618	316	207	221	208	197	404	601	895	1144	1245	1181	1100	640	660	627	487	428	483	489	519	774		
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	Distillate	26	50	36	10	5	7	3	4	3	5	5	5	4	4	4	4	6	3	4	5	30	10	12	26	24	28	26	26	27	28	27	16	6	5	5	1	3	200	199	4	-9	13	10	92	-3	-8	-10	-7		
SRev	Co-Gen	-4	-6	-6	-6	-6	-4	-7	-8	-6	-4	-9	-8	-7	-6	-5	-6	-7	-7	-8	-8	-5	-4	-9	-7	-7	-6	41	41	-1	-1	-43	-1	-4	-11	-7	-5	-5	-2	-8	-6	-6	-5	-2	-1	-7	-6	-6	-9		
SRev	Hydro	86	323	323	323	323	237	151	539	388	539	539	539	539	389	625	625	625	323	172	474	474	86	86	86	172	323	323	172	172	323	474	474	474	625	475	626	474	237	86	0	0	86	86	86	237	237				
SRev	Syncon	352	196	249	246	231	266	311	78	208	187	170	113	188	72	293	247	116	41	236	148	129	79	287	250	397	178	243	125	169	236	221	236	169	145	185	204	275	237	281	424	396	416	331	338	389	350	427	167		
S.Reserve Total		997	1063	987	1023	985	814	840	1076	1223	1383	1469	1536	1610	1484	1572	1857	1796	1167	1204	896	1133	839	860	758	873	1066	1315	895	658	762	841	1076	1077	1237	1745	1839	2179	2113	1833	1175	1069	1085	858	992	994	961	1218	1201		