

Availability At Daily Maximum Demand Hour

ST-Coal	1,200 MW
ST-Gas	75 MW
ST-Oil	80 MW
Gas	4,287 MW
Hydro	1,620 MW
Distillate	60 MW
Total TNB	7,322 MW
Total IPP	11,250 MW
Total Co-Gen	74 MW
System Total	18,646 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 21:00	
TNB Generation	4,056 MW
IPP Generation	7,595 MW
Total Set On Bus	12,628 MW
Maximum Demand	11,756 MW
Spinning Reserve	903 MW
Net Energy	243,074 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	10784	10377	9966	9642	9281	9091	9026	8803	8421	9067	9797	10208	10396	10360	10515	10626	10537	10324	10096	10440	11431	11756	11614	11275

Gas Usage

Station	(mmscfd)
CBPS	50
GLGR	55
PGPS	47
SRDG	5
TJGS	156
TNB Total	314
KLPP	43
MPSS	28
PGLA	102
PLPS	114
SGB3	35
SKSP	49
YPGS	26
YPKA	83
IPP Total	480
Total Gas	793

Total Gas Required : 858
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	6
PKLG	58
Total	65

Generation Mix

Type	MWh	Percentage
ST-Coal	27,109.00	11.15 %
ST-Oil	597.00	0.25 %
Gas	42,959.00	17.67 %
Hydro	10,594.00	4.36 %
Total TNB	81,259.0	33.43 %
ST-Coal	89,969.0	37.01 %
ST-Oil	5,622.0	2.31 %
Gas	65,438.0	26.92 %
Total IPP	161,029.0	66.25 %
Co-Gen	1,839.0	0.76 %
Total Co-Gen	1,839.0	0.76 %
Total Generation	244,127.0	100.43 %
PLTG	322.0	0.13 %
HVDC	731.0	0.30 %
Interconnection	1,053.0	0.43 %
Net Energy	243,074.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	179
Hydro	113
Syncon	422
Thermal	154
Total	869

	Weather	Temperature
Morning	Sunny	27
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
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	130	132
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	217	222
BSIA	HY01	13	13	22	22	21	21	21	21	21	21	21	21	22	21	21	12	12	12	12	12	12	12	12	12
BSIA	HY02	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	13	13	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	7	7	7	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY02	7	7	7	7	7	9	7	7	7	7	7	8	7	7	8	8	8	8	7	8	8	8	7	8
CEND	HY03	7	7	7	7	7	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	HY04	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY01	21	22	38	38	36	36	36	36	38	36	35	38	39	37	37	38	37	38	38	38	38	36	36	37
KNRG	HY02	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	70	91	74	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	-1	-1	93	94	94	94	84	88	90
KNYR	HY02	71	90	73	78	65	54	52	48	48	72	50	46	104	104	85	92	103	103	104	103	103	104	104	104
KNYR	HY04	73	90	76	75	64	49	52	46	0	0	0	0	0	0	0	0	101	102	101	101	101	95	100	101
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
PGAU	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
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
PGAU	HY04	-1	20	-1	-1	-1	-1	-1	-1	9	-1	-1	-1	-1	-1	-1	-1	90	93	24	28	88	28	81	
SIHY	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
SIHY	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
SIHY	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
SYPS	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
SYPS	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
SYPS	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
SYPS	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
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	56	64	52	60	40	36	36	35	33	55	36	34	84	84	35	38	66	84	82	43	55	46	77	84
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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		436	523	400	337	293	260	262	243	195	243	208	191	302	326	234	244	284	421	416	348	265	256	575	587
PCUF	CUF6	52	49	51	52	51	51	51	50	51	51	51	51	51	51	49	46	44	43	43	44	43	43	44	44
PCUF	CUFK	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Total Co-Gen		82	79	81	82	81	81	81	80	81	81	81	81	81	81	81	81	79	76	74	73	73	73	74	74
Total Gen		10873	10657	10408	10196	9983	9892	9748	9616	9389	9322	9249	9240	9010	9015	8920	8593	8518	8839	9159	9400	9860	9999	10254	10374
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
TIE-HVDC		31	30	30	30	31	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		58	6	1	-11	-14	76	76	79	78	-18	128	114	-47	-7	86	28	67	52	63	52	32	29	15	-11
Interconnection		89	36	31	19	17	106	106	109	108	12	158	145	-16	24	117	58	97	81	92	83	63	60	46	20
System Total		10784	10621	10377	10177	9966	9786	9642	9507	9281	9310	9091	9095	9026	8991	8803	8535	8421	8758	9067	9317	9797	9939	10208	10354
SRev ST-Coal		22	20	17	15	18	20	22	21	122	257	263	243	296	296	300	353	392	393	394	398	289	286	286	213

Daily MW Generation On Sunday
04-Sep-2011

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																										
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	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																									
SRev CCGT-Gas		160	154	285	240	405	461	377	490	569	549	582	592	695	691	956	1025	1039	863	730	428	309	177	160	171	205	313	320	312	211	208	205	217	-37	406	441	541	544	553	395	280	327	200	117	399	116	164	170	380		
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Syncon		625	474	625	731	731	731	731	731	731	580	731	731	731	731	580	580	474	731	731	474	474	474	474	474	474	474	474	474	474	474	625	625	731	474	625	625	625	625	625	474	474	625	625	474	474	625	625	474		
Hydro		219	283	139	96	140	173	161	180	123	75	261	127	16	143	84	74	34	48	53	227	53	62	105	93	164	161	101	161	143	189	42	152	156	222	149	129	178	138	101	157	231	99	83	214	173	58	97	189		
S.Reserve Total		1026	931	1066	1082	1294	1385	1291	1422	1545	1612	1686	1693	1738	1738	2099	2211	2224	1912	1785	1555	1438	1313	1082	1008	1118	1220	1184	1210	1100	1068	1128	1212	1051	1305	1487	1564	1690	1657	1431	1008	1130	1006	903	1149	806	880	954	1091		