

Availability At Daily Maximum Demand Hour

ST-Coal	1,200	MW
ST-Gas	0	MW
ST-Oil	85	MW
Gas	3,597	MW
Hydro	1,554	MW
Distillate	60	MW
Total TNB	6,496	MW
Total IPP	11,652	MW
Total Co-Gen	72	MW
System Total	18,220	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00		
TNB Generation	4,480	MW
IPP Generation	10,118	MW
Total Set On Bus	15,527	MW
Maximum Demand	14,676	MW
Spinning Reserve	857	MW
Net Energy	300,409	MWH
Load Factor	85.3	%

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	11895	11398	10918	10643	10513	10536	10514	10376	10888	12470	13286	13925	13991	13549	13834	14412	14676	14159	13259	12757	13435	13516	13140	12959

Gas Usage

Station	(mmscfd)
CBPS	53
GLGR	56
PAKA	168
PGPS	49
SRDG	2
TJGS	51
TNB Total	379
KLPP	48
MPSS	44
PGLA	51
PKLG	15
PLPS	90
SGB3	66
SGRI	49
SKSP	51
YPGS	33
YPKA	104
IPP Total	551
Total Gas	931
Total Gas Required :	1,162
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	38
PGLA	34
PGPS	19
PKLG	80
PLPS	1
SGB3	14
SGRI	45
Total	231

Generation Mix

Type	MWh	Percentage
ST-Coal	27,226.00	9.06 %
ST-Oil	1,772.00	0.59 %
Gas	48,073.00	16.00 %
Hydro	11,093.00	3.69 %
Total TNB	88,164.0	29.35 %
ST-Coal	112,800.0	37.55 %
ST-Gas	1,439.0	0.48 %
ST-Oil	7,790.0	2.59 %
Gas	72,170.0	24.02 %
Distillate	17,175.0	5.72 %
Total IPP	211,374.0	70.36 %
Co-Gen	1,866.0	0.62 %
Total Co-Gen	1,866.0	0.62 %
Total Generation	301,404.0	100.33 %
PLTG	267.0	0.09 %
HVDC	728.0	0.24 %
Interconnection	995.0	0.33 %
Net Energy	300,409.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	364
Hydro	145
Syncon	407
Thermal	48
Total	964

Weather Temperature

Weather	Temperature
Morning	Sunny 24
Afternoon	Hot 35

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																											
Total Hydro		228	368	241	296	201	240	177	151	193	169	169	163	157	174	156	149	168	519	614	444	455	602	690	675	455	364	540	433	452	578	838	899	911	890	632	377	351	363	373	388	771	973	845	641	501	422	370	437			
KLPP	GT14	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	137	137	137	137	136	136	135	135	134	134	133	133	133	133	133	133	133	137	137	136	136	136	135	135	134	133	133	133	133	133	133			
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	132	210	211	210	211	211	212	210	210	210	211	211	211	209	211	205	208	207	210	196	208	212	211	212	212	214	214	207	213			
SGB3	GT31	138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT13	122	122	122	122	122	121	121	122	122	122	122	122	122	122	122	122	122	122	122	122	121	121	123	123	122	122	121	121	121	121	121	121	120	120	121	121	121	121	121	121	28	0	0	0	0	0	0	0			
SGRI	ST14	64	65	65	64	67	66	66	65	65	67	67	66	66	65	65	65	67	66	66	64	64	66	137	135	134	135	135	137	137	133	132	135	136	134	134	135	134	135	135	103	66	64	64	64	64	63	63	0	0		
SGRI	GT22	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	144	144	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		734	470	359	325	328	326	326	326	328	328	327	327	326	326	326	328	442	457	532	533	535	730	726	726	725	723	724	724	722	830	848	847	847	845	849	846	852	838	720	659	658	658	658	660	660	653	481				
PCUF	CUFG	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	45	45	46	45	44	45	46	46	44	46	52	52	51	52	51	51	51	52	51	51	52	51	51	52	51	51	52	51	51	52	51	51	52	51		
PCUF	CUFK	23	26	26	26	23	25	26	23	24	25	24	27	24	26	24	24	26	25	26	23	24	25	23	22	23	22	24	24	22	20	22	20	21	22	22	21	22	22	23	22	21	23	24	23	22	26					
Total Co-Gen		76	79	79	79	76	78	79	76	77	80	77	79	77	77	79	78	79	76	69	70	69	67	67	67	70	70	66	66	74	72	72	74	73	73	73	73	73	75	73	72	75	73	72	75	74	74	77				
Total Gen		11984	11722	11378	11254	10926	10764	10583	10471	10595	10522	10603	10476	10566	10608	10448	10509	10829	11944	12406	12978	13299	13630	14015	14235	14005	13834	13584	13613	13810	14168	14493	14645	14670	14577	14161	13814	13383	13014	12799	13072	13513	13767	13596	13434	13182	13134	13038	12824			
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	
TIE-HVDC		31	29	31	31	31	30	30	30	30	30	31	29	31	31	30	29	30	29	29	31	31	29	30	30	31	31	31	31	31	30	30	29	31	31	31	31	30	30	31	31	29	31	29	32	31	31	31				
TIE-PLTG		58	-119	-51	-42	-23	0	-90	97	52	-6	37	-72	23	21	41	-58	-88	-42	-93	64	-18	-32	61	107	-16	112	4	-24	-55	-28	50	82	-36	14	-29	10	93	35	12	-39	47	-21	49	-8	10	86	48	-152			
Interconnection		89	-90	-20	-11	8	30	-60	127	82	24	67	-41	52	52	72	-28	-59	-12	-64	93	13	-1	90	137	14	143	35	7	-24	3	81	112	-6	43	2	41	124	65	42	-8	78	8	80	21	42	117	79	-121			
System Total		11895	11812	11398	11265	10918	10734	10643	10344	10513	10498	10536	10517	10514	10556	10376	10537	10888	11956	12470	12885	13286	13631	13925	14098	13991	13691	13549	13606	13834	14165	14412	14533	14676	14534	14159	13773	13259	12949	12757	13080	13435	13759	13516	13413	13140	13017	12959	12945			
SRev ST-Coal		23	20	33	180	183	283	291	296	388	263	281	319	328	331	327	272	80	38	86	101	98	95	73	56	42	39	51	27	38	44	44	37	39	41	38	21	37	47	25	40	40	37	32	36	34	85	33	56			
SRev ST-Gas		2	1	1	-19	-22	9	-16	-26	15	11	6	5	3	-4	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	
SRev ST-Oil		3	12	13	12	12	12	11	7	18	3	3	3	3	3	3	9	9	3	3	-12	0	-4	-44	-35	4	6	3	3	3	4	4	6	-7	17	20	26	13	12	14	13	13	15	16	16	18	19	16	10			
SRev CCGT-Gas		556	657	619	578	811	921	1048	1120	938	1141	1046	1132	1025	1004	1165	1142	1037	696	987	610	564	400	297	165	272	352	832	724	535	290	297	239	235	281	391	204	397	555	806	401	284	280	326	283	347	263	240	185			
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		-4	0	111	5	2	4	4	4	4	2	2	3	3	4	4	4	2	118	103	28	27	25	-30	15	15	16	18	17	17	19	51	33	34	34	46	42	45	39	53	230	71	72	72	72	70	70	77	169			
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		625	474	625	625	625	731	580	731	731	731	731	731	731	731	731	731	474	388	625	625	474	388	474	625	625	323	474	474	474	474	474	323	474	388	539	625	625	625	474	625	323	323	474	474	625	474	625	474			
Hydro		250	156	132	77	172	133	90	267	74	98	249	104	110	93	111	118	99	110	101	150	139	143	266	201	148	114	240	196	177	226	132	222	59	166	195	101	127	115	256	90	319	117	94	213	102	207	108	192			
S.Reserve Total		1459	1324	1538	1462	1787	1991	2163	2252	2172	2253	2171	2301	2207	2166	2349	2280	1962	1443	1672	1506	1457	1133	950	876	1106	1152	1467	1441	1244	1057	1028	884	857	950	1280	1019	1244	1393	1628	1399	1050	844	1014	1094	1196	1118	1099	1086			