

Availability At Daily Maximum Demand Hour

ST-Coal	1,290 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,337 MW
Hydro	1,618 MW
Distillate	760 MW
Total TNB	7,075 MW
Total IPP	11,169 MW
Total Co-Gen	66 MW
System Total	18,310 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,161 MW
IPP Generation	9,570 MW
Total Set On Bus	15,791 MW
Maximum Demand	14,803 MW
Spinning Reserve	994 MW
Net Energy	301,447 MWH
Load Factor	84.8 %

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	11298	10675	10371	9956	9835	9733	9927	9996	10978	12677	13689	14467	14319	13987	14517	14720	14803	14449	13675	13601	14132	13930	13369	12786

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	55
PAKA	109
PGPS	26
SRDG	16
TJGS	98
TNB Total	348
KLPP	100
MPSS	45
PLPS	98
SGB3	65
SGRI	100
SKSP	49
YPGS	34
YPKA	131
IPP Total	621
Total Gas	969
Total Gas Required :	1,104
Gas Calorific Value :	38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	12
PKLG	60
SGB3	13
TJGS	50
Total	135

Generation Mix

Type	MWh	Percentage
ST-Coal	29,817.00	9.89 %
ST-Oil	1,161.00	0.39 %
Gas	44,784.00	14.86 %
Hydro	15,853.00	5.26 %
Distillate	7,358.00	2.44 %
Total TNB	98,973.0	32.83 %
ST-Coal	110,992.0	36.82 %
ST-Oil	5,863.0	1.94 %
Gas	82,613.0	27.41 %
Distillate	1,651.0	0.55 %
Total IPP	201,119.0	66.72 %
Co-Gen	1,725.0	0.57 %
Total Co-Gen	1,725.0	0.57 %
Total Generation	301,817.0	100.12 %
PLTG	-266.0	-0.09 %
HVDC	636.0	0.21 %
Interconnection	370.0	0.12 %
Net Energy	301,447.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	338
Hydro	229
Syncon	280
Thermal	40
Total	887

	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																										
SGRI	ST14	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	13	15	35	49	67	80	143	178	196	197	198	198	197	197	196	199	171	103	75	74	74	74	74	72	72	73	73	73					
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	11	29	31	34	36	46	66	66	66	116	133	136	136	107	107	111	134	130	129	123	130	134	129	116	113	134	135	134	134	129	134	133	137	138	138	139	
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	69	133	133	134	109	108	108	134	129	131	125	131	132	132	117	117	132	137	135	131	131	135	134	134	134	98	0	0	0	0	0	0			
SGRI	ST24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	25	46	46	54	109	151	217	221	196	199	195	217	218	211	215	219	217	221	204	202	220	220	215	221	216	217	216	196	138	96	72				
YPGS	GT12	102	106	106	107	107	108	108	108	108	108	108	108	108	108	108	108	108	107	106	105	105	105	104	104	104	104	104	104	104	104	104	105	105	105	105	105	106	106	106	106	106	106	107	106	107					
YPGS	ST10	67	69	69	68	68	68	68	68	68	68	68	68	68	68	69	69	69	69	69	69	69	69	69	69	69	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	69	69					
YPKA	BLK1	273	274	301	300	300	298	301	299	299	299	299	297	352	392	389	393	393	389	389	387	384	386	386	390	390	387	385	383	381	381	381	385	385	385	387	387	389	391	391	391	394	393	393	394						
YPKA	BLK2	271	273	298	297	297	295	298	296	298	298	297	296	360	396	395	398	400	400	394	394	391	388	391	391	393	393	388	388	387	385	385	385	389	389	390	390	391	393	396	396	396	398	397	397	398					
PLPS	GT11	144	144	104	105	105	106	105	106	104	106	105	105	106	103	105	106	106	145	144	143	143	142	141	141	139	141	140	139	139	139	139	139	140	140	138	138	105	139	140	140	140	140	139	141	142	128				
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	148	146	146	146	146	145	145	144	144	144	144	144	144	144	144	143	143	144	109	145	145	144	144	144	144	145	144	145	146	147					
PLPS	GT13	147	147	102	102	102	102	103	103	101	102	102	103	101	102	148	145	145	144	146	144	144	144	143	143	143	143	143	143	143	144	144	144	145	102	144	144	144	144	144	144	145	144	145	144	145	146	141			
PLPS	ST18	145	146	129	129	129	129	130	129	129	130	129	129	135	134	139	219	217	217	216	215	215	215	215	215	215	215	215	214	214	215	215	192	214	215	213	215	213	215	215	216	216	216	215	213						
SKSP	BLK1	340	287	335	287	303	249	245	248	250	250	249	250	245	249	251	241	242	337	316	336	344	339	318	282	211	212	226	325	316	319	315	331	328	315	310	290	326	341	340	336	331	343	336	320	341	339	315			
TJGS	GT1A	222	222	111	111	111	111	115	113	112	112	113	113	113	120	171	224	221	221	221	221	221	221	221	221	221	221	217	217	217	221	217	217	217	220	220	217	220	220	220	220	220	220	220	220	220	221				
TJGS	ST1C	118	118	80	72	72	72	72	72	72	72	72	72	72	72	118	121	121	121	121	121	121	121	121	121	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118	118					
TJGS	GT2A	213	214	214	216	161	125	124	125	124	125	125	206	171	164	216	217	213	212	213	212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TJGS	GT2B	210	210	209	211	153	120	120	120	120	117	120	120	201	163	157	215	212	212	210	210	208	208	207	210	207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TJGS	ST2C	260	261	261	262	226	207	206	207	207	207	207	207	246	249	229	260	260	259	259	259	259	259	259	259	258	259	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total CCGT-Gas		4123	3921	3590	3538	3408	3266	3245	3253	3300	3387	3407	3420	3453	3643	3698	3783	4178	4964	5429	5633	6102	6323	6541	6794	6999	6713	6097	6124	6445	6558	6523	6384	6421	6414	6408	6264	6103	5497	5780	6067	6082	6075	6100	6096	5919	5638	5149	4940		
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	130	131	131	94	94	96	95	129	129	130	131	131	132	6	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	127	129	128	89	89	88	89	107	107	109	122	88	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	257	260	259	183	183	184	184	236	236	239	253	219	132	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	20	11	11	11	21	22	21	22	22	21	22	22	21	22	12	12	21	20	21	21	21	12	12	12	12	12	0	0			
BSIA	HY02	22	22	22	22	22	22	21	22	22	22	22	21	21	22	22	21	21	21	21	21	11	11	11	21	21	21	21	21	21	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	22	11				
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	23	22	21	11	11	11	22	22	21	22	22	22	22	12	12	21	21	20	20	20	11	11	0	0	0	0	0	0	0	0			
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	9	10	9	10	9	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNRG	HY01	27	23	25	23	25	26	22	20	25	21	27	28	28	25	19	29	26	34	36	35	36	37	37	35	33	20	25	36	36	36	36	35	36	35	36	36	36	35	36	36	36	34	35	35	21	20	24	24	26	24
KNRG	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	34	32	33	34	35	35	35	17	20	22	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	-1	-1	-1	-1	-1	93	-1	-1	-1	-1	-1	-1	-1	-1	54	96	57	97	97	96	71	50	81	80	96	89	71	65	79	79	90	67	75	55	72	97	91	78	83	93										

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	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	70	65	67	64	67	84	38	35	63	37	84	84	84	56	33	83	84	39	83	46	81	82	81	60
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
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		284	229	348	228	243	296	485	189	253	195	373	381	381	416	182	264	283	364	635	966	1113	1352	1436	
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	0
TJGS	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	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	
PCUF	CUFG	34	25	25	25	25	24	24	25	26	26	25	25	26	26	25	26	24	25	25	24	25	26	25	25
PCUF	CUFK	40	40	40	41	40	40	39	39	40	40	40	39	40	39	39	40	40	41	40	40	41	40	41	39
Total Co-Gen		74	65	65	66	65	64	63	64	66	66	65	65	64	66	64	64	66	69	65	66	65	63	65	
Total Gen		11171	10892	10660	10484	10382	10021	10026	9755	9790	9767	9718	9769	9849	10245	10090	10303	10984	11939	12684	13216	13714	14107	14496	
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		-29	-29	-29	30	31	31	29	29	30	30	31	31	31	30	30	30	30	30	30	30	29	29	31	31
TIE-PLTG		-98	-62	14	17	-20	-61	41	31	-75	-17	-46	-50	-109	-21	64	-84	-25	-25	-22	72	-5	-81	-2	
Interconnection		-127	-91	-15	47	11	-30	70	60	-45	13	-15	-19	-78	10	94	-54	6	6	7	101	25	-51	29	
System Total		11298	10983	10675	10437	10371	10051	9956	9695	9835	9754	9733	9788	9927	10235	9996	10357	10978	11933	12677	13115	13689	14158	14467	
SRev ST-Coal		115	111	110	115	101	256	56	55	181	236	311	311	313	239	343	287	72	38	39	45	4	86	44	
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
SRev ST-Oil		-2	-2	-2	-2	-2	29	28	27	-21	-23	-30	-30	-29	-27	29	31	34	12	4	4	4	2	1	
SRev CCGT-Gas		357	459	790	842	852	994	1015	1007	1135	1048	1028	1155	1262	1072	1247	1162	1227	696	481	587	468	437	704	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	3	
SRev Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	
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		731	731	580	731	731	731	323	731	731	731	580	580	580	429	731	731	731	625	625	237	237	0	0	
Hydro		36	91	123	92	77	24	243	131	67	125	98	90	90	206	138	56	37	205	84	294	172	255	171	
S.Reserve Total		1237	1390	1601	1778	1759	2034	1665	1951	2093	2117	1987	2106	2216	1919	2488	2267	2101	1576	1233	1167	885	914	923	