

Availability At Daily Maximum Demand Hour

ST-Coal	1,290 MW
ST-Gas	0 MW
ST-Oil	155 MW
Gas	3,786 MW
Hydro	1,693 MW
Distillate	60 MW
Total TNB	6,984 MW
Total IPP	10,786 MW
Total Co-Gen	93 MW
System Total	17,863 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 11:30	
TNB Generation	5,039 MW
IPP Generation	7,683 MW
Total Set On Bus	13,710 MW
Maximum Demand	12,826 MW
Spinning Reserve	895 MW
Net Energy	278,484 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	11486	11254	10507	10380	10149	10237	10306	10068	10169	11153	12186	12673	12730	12491	12540	12703	12507	12037	11674	12346	12651	12601	12184	11807

Gas Usage

Station	(mmscfd)
CBPS	53
GLGR	55
PAKA	133
SRDG	9
TJGS	143
TNB Total	392
KLPP	99
MPSS	46
PLPS	94
SGB3	4
SGRI	1
SKSP	48
YPGS	34
YPKA	142
IPP Total	469
Total Gas	861

Total Gas Required : 982
Gas Calorific Value : 38,500

Alternate Fuel Usage

Station	(mmscfd)
PGPS	33
PKLG	88
Total	121

Generation Mix

Type	MWh	Percentage
ST-Coal	29,162.00	10.47 %
ST-Oil	3,110.00	1.12 %
Gas	52,384.00	18.81 %
Hydro	14,708.00	5.28 %
Total TNB	99,364.0	35.68 %
ST-Coal	104,880.0	37.66 %
ST-Oil	8,439.0	3.03 %
Gas	63,160.0	22.68 %
Total IPP	176,479.0	63.37 %
Co-Gen	2,405.0	0.86 %
Total Co-Gen	2,405.0	0.86 %
Total Generation	278,248.0	99.92 %
PLTG	464.0	0.17 %
HVDC	-700.0	-0.25 %
Interconnection	-236.0	-0.08 %
Net Energy	278,484.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	217
Hydro	150
Syncon	452
Thermal	66
Total	886

	Weather	Temperature
Morning	Sunny	28
Afternoon	Rainy	29

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																											
PLPS	GT12	118	119	119	118	119	118	120	118	118	118	116	119	118	120	119	121	118	118	119	147	145	145	144	144	144	144	143	135	130	138	140	119	133	142	120	141	128	137	139	137	120	137	134	137	139	137	131	138			
PLPS	GT13	108	107	107	108	109	107	107	107	107	109	106	108	108	107	108	106	107	107	108	147	145	143	144	144	143	142	141	136	120	132	128	114	123	134	111	134	121	134	131	128	112	125	127	132	131	128	121	130			
PLPS	ST18	134	135	136	134	135	134	134	135	134	134	134	134	134	137	141	139	140	137	217	216	217	214	215	216	215	215	211	210	213	211	199	207	213	201	215	206	213	210	210	202	209	211	212	211	211	207	211				
SKSP	BLK1	340	318	297	214	210	213	209	211	212	213	222	258	242	239	213	211	208	210	252	315	330	336	300	340	336	315	334	334	327	328	332	304	311	335	263	263	224	317	340	332	297	327	329	325	330	336	312	330			
TJGS	GT1A	223	222	223	104	112	116	174	157	169	164	185	217	204	216	170	174	213	180	176	173	201	210	169	210	218	176	211	212	211	209	210	191	198	209	178	213	192	220	199	205	170	201	212	209	200	210	195	212			
TJGS	ST1C	119	119	119	77	74	71	96	92	92	91	95	114	100	115	97	93	117	101	92	109	105	110	97	112	119	108	113	114	118	111	114	101	106	113	99	111	110	117	110	116	106	111	115	111	111	111	114				
TJGS	GT2A	128	128	125	125	125	125	125	126	125	125	126	125	126	125	125	194	220	218	217	215	214	215	216	215	215	214	214	215	214	214	214	214	213	214	213	214	214	214	214	214	214	214	214	214	215	216	216	217	214		
TJGS	GT2B	122	122	118	118	118	119	119	119	119	119	120	120	119	118	119	119	189	214	214	212	212	210	210	210	210	210	210	209	209	209	209	209	209	209	209	209	209	209	209	209	212	211	211	211	211	211	211	211	211		
TJGS	ST2C	203	202	207	207	206	206	206	207	207	206	207	206	207	206	207	207	261	250	259	260	260	259	260	260	260	260	259	259	259	257	259	258	258	257	258	258	258	259	259	259	259	259	259	259	260	260	260	260	259		
Total CCGT-Gas		4442	4356	4324	3660	3656	3662	3742	3719	3726	3729	3757	3851	3810	3837	3748	3753	3999	4059	4475	5158	5280	5325	5189	5285	5280	5219	5263	5234	5199	5230	5231	5131	5187	5259	4943	5005	4935	5106	5290	5282	5152	5315	5354	5326	5321	5347	5276	5214			
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	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	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	134	224	157	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	12	12	12	12	12	23	23	23	23	23	23	23	22	23	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
BSIA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	9	10	10	9	9	9	10	9	10	9	9	9	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	10	10	10	10	10	
CEND	HY02	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	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	0	0	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	HY02	23	23	22	23	23	24	23	22	22	22	23	24	23	24	23	23	23	24	23	24	23	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	37	37	37	37	
KNRG	HY03	22	24	23	24	24	24	22	20	21	22	23	24	24	24	22	22	21	24	24	23	24	21	35	35	35	24	25	35	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	55	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY02	83	86	78	88	88	96	55	43	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KNYR	HY03	62	60	59	61	61	102	59	57	58	60	62	60	61	60	60	57	100	102	101	101	101	92	66	64	101	98	60	70	81	69	66	82	60	68	61	61	60	68	60	68	61	60	78	60	84	93	90	84	77	60	87
KNYR	HY04	66	59	52	-1	-1	101	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	4	4	5	5	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
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	-1	-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	-1	-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	-1	-1	-1	113	-1	-1	-1	-																																										

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 Co-Gen		90	91	93	94	91	91	93	92	91	89	92	92	93	95	88	91	95	95	93	95	94	96	89	93	86	97	94	93	94	90	90	90	90	92	95	95	94	90	96	90	93	95	90	94	90	95	93	93		
Total Gen		11487	11353	11298	10551	10507	10419	10346	10250	10259	10167	10107	10166	10113	10327	10179	9844	10235	10434	11246	11941	12101	12497	12649	12815	12835	12452	12486	12617	12646	12594	12645	12499	12479	12495	11967	11931	11661	11841	12297	12797	12658	12704	12627	12480	12172	12097	11828	11755		
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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30			
TIE-PLTG		30	53	73	-174	29	-44	-5	108	140	110	-101	-183	-164	-96	141	-40	95	25	122	5	-56	-105	6	19	134	35	24	60	136	47	-28	23	1	-42	-41	-21	15	-4	-20	4	36	8	55	3	17	-11	51	-18		
Interconnection		1	24	44	-203	0	-73	-34	79	110	80	-130	-212	-193	-125	111	-69	66	-4	93	-24	-85	-134	-24	-11	105	6	-5	31	106	17	-58	-7	-28	-71	-70	-50	-13	-32	-49	-25	7	-21	26	-26	-12	-40	21	-48		
System Total		11486	11329	11254	10754	10507	10492	10380	10171	10149	10087	10237	10378	10306	10452	10068	9913	10169	10438	11153	11965	12186	12631	12673	12826	12730	12446	12491	12586	12540	12577	12703	12506	12507	12566	12037	11981	11674	11873	12346	12822	12651	12725	12601	12506	12184	12137	11807	11803		
SRev ST-Coal		40	31	26	21	32	38	41	38	40	90	188	232	238	230	249	458	420	360	33	18	21	18	31	31	29	34	40	56	46	26	21	36	36	36	36	28	28	27	23	25	20	25	23	20	28	69	34	68	67	
SRev ST-Oil		12	13	13	62	62	62	61	60	59	59	59	60	60	60	60	59	59	59	58	58	58	58	59	60	60	60	61	61	53	14	13	12	14	36	64	62	61	62	49	18	64	66	66	64	65	62	61			
SRev CCGT-Gas		1103	979	1011	1340	1184	1178	1098	1121	1114	1111	1083	989	1030	1003	1092	1087	841	1101	825	407	285	240	236	140	145	236	162	191	226	195	194	294	238	166	482	420	520	349	165	173	303	160	171	169	174	148	219	311		
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
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	625	625	726	575	625	625	726	726	726	726	726	726	575	726	726	726	625	474	625	625	625	474	474	474	625	625	474	323	625	625	625	625	625	625	625	625	625	625	625	323	474	625	625	625	625	625	575		
Hydro		236	193	223	155	195	181	231	207	203	146	138	129	136	260	136	136	145	191	272	126	74	173	106	85	144	254	168	69	199	164	165	196	273	179	280	184	328	320	379	525	436	263	176	194	225	180	287	245		
S.Reserve Total		2016	1841	1898	2304	2048	2084	2056	2152	2142	2132	2194	2136	2190	2128	2263	2466	2191	2336	1662	1234	1063	1114	946	895	868	1292	1095	851	855	1063	1019	1164	1184	1020	1451	1321	1562	1378	1359	1132	1296	1172	1052	1161	1157	1052	1261	1259		