

**Availability At Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	70 MW
Gas	3,706 MW
Hydro	1,675 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,521 MW</b>
<b>Total IPP</b>	<b>10,673 MW</b>
<b>Total Co-Gen</b>	<b>85 MW</b>
<b>System Total</b>	<b>18,279 MW</b>

**Set On Bus, TNB, IPP And MD**

At Daily Maximum Demand Hour : 16:30	
TNB Generation	5,783 MW
IPP Generation	9,331 MW
Total Set On Bus	16,232 MW
Maximum Demand	15,320 MW
Spinning Reserve	1,033 MW
Net Energy	320,154 MWH
Load Factor	87.1 %

**Maximum Demand Record**

<b>Date :</b>	13/05/2013	16,562.0 MW
<b>Date :</b>	14/05/2013	344,423.0 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	12885	12411	11964	11618	11225	11110	11213	11263	11820	13373	14198	14804	14861	14467	14608	15064	15253	15048	13874	13606	14220	13905	13484	13125

**Gas Usage**

Station	(mmscfd)
CBPS	48
GLGR	54
PAKA	117
PGPS	34
SRDG	48
TJGS	108
<b>TNB Total</b>	<b>409</b>
KLPP	103
MPSS	60
PDPS	18
PGLA	99
PKLG	9
PLPS	97
SGB3	36
SGRI	172
SKSP	39
YPGS	69
YPKA	132
<b>IPP Total</b>	<b>833</b>
<b>Total Gas</b>	<b>1,241</b>

**Alternate Fuel Usage**

Station	(mmscfd)
PGPS	2
PKLG	65
<b>Total</b>	<b>67</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	49,586.00	15.49 %
ST-Oil	194.00	0.06 %
Gas	49,839.00	15.57 %
Hydro	15,262.00	4.77 %
<b>Total TNB</b>	<b>114,881.0</b>	<b>35.88 %</b>
ST-Coal	85,793.0	26.80 %
ST-Oil	6,390.0	2.00 %
Gas	107,911.0	33.71 %
<b>Total IPP</b>	<b>200,094.0</b>	<b>62.50 %</b>
Co-Gen	2,144.0	0.67 %
<b>Total Co-Gen</b>	<b>2,144.0</b>	<b>0.67 %</b>
<b>Total Generation</b>	<b>317,119.0</b>	<b>99.05 %</b>
PLTG	-3,757.0	-1.17 %
HVDC	722.0	0.23 %
<b>Interconnection</b>	<b>-3,035.0</b>	<b>-0.95 %</b>
<b>Net Energy</b>	<b>320,154.0</b>	<b>100.00 %</b>

**Average SR During Peak Hour**

Type	MW
GT	321
Hydro	145
Syncon	402
Thermal	189
<b>Total</b>	<b>1058</b>

**Weather**
**Temperature**

Morning	Sunny	28
Afternoon	Hot	32

**Total Gas Required : 1,308**
**Gas Calorific Value : 38,500**



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	GT22	139	139	139	139	112	111	66	61	61	61	61	61	60	60	61	140	139	138	137	137	136	136	135	135	135	135	116	131	135	135	134	134	135	135	126	133	128	135	123	130	130	136	118	118	135	135	137							
SGRI	GT23	138	137	137	138	109	108	108	58	58	58	58	58	58	58	58	140	137	137	135	135	135	135	134	134	134	133	115	125	133	133	133	133	133	133	133	122	129	127	134	120	127	127	134	117	117	134	134	135						
SGRI	ST24	219	217	219	220	193	198	185	144	140	137	140	138	138	143	141	139	218	218	216	215	217	216	213	218	217	218	219	204	214	218	218	217	218	217	220	207	221	216	222	213	210	216	218	206	209	222	223	218						
YPGS	GT11	123	151	126	126	129	128	131	131	127	128	131	129	129	132	128	130	129	129	128	130	126	124	124	123	124	125	124	121	121	122	121	122	124	123	125	125	127	126	128	130	128	128	129	127	127	128	119	-6						
YPGS	GT12	128	134	132	129	134	131	136	136	132	132	135	131	134	135	134	134	136	135	134	134	131	132	130	132	129	128	129	129	126	127	127	129	129	129	131	131	132	132	134	135	132	133	134	133	130	134	125	134						
YPGS	ST10	135	139	139	137	139	139	139	137	139	139	139	138	138	140	140	139	139	139	139	139	139	139	139	139	139	139	139	139	139	138	138	138	138	138	138	138	138	138	138	139	139	139	139	139	139	96	60							
YPKA	BLK1	367	366	366	365	365	362	362	364	364	365	365	364	364	366	366	366	366	363	363	362	362	360	360	360	359	359	360	360	360	360	356	356	358	358	358	358	358	358	360	360	361	361	362	362	363	363	363	362	365					
YPKA	BLK2	376	376	376	375	375	372	372	374	374	374	374	374	374	376	376	375	375	373	373	372	372	371	371	369	369	369	369	369	366	366	367	369	369	369	369	369	370	370	371	371	373	373	373	373	371	371	372	372	372					
PLPS	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	0			
PLPS	GT12	146	147	145	109	68	69	68	69	69	68	68	69	69	68	109	69	69	69	147	145	143	142	142	142	142	142	141	146	146	144	144	144	144	144	145	144	145	145	145	70	70	143	141	142	141	143	143	110	108	143				
PLPS	GT13	140	140	139	105	60	60	60	59	61	60	60	59	57	60	57	60	139	142	140	145	146	146	146	144	144	144	144	144	144	145	144	145	144	145	145	145	145	70	70	143	141	142	141	143	143	110	108	143						
PLPS	ST18	143	144	144	130	94	93	93	94	94	95	93	94	95	94	115	99	147	204	214	213	214	213	212	213	213	214	215	216	215	215	215	215	215	215	215	216	216	157	151	209	211	211	211	213	213	193	193	213						
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1A	226	226	226	229	226	228	225	222	194	220	214	213	220	208	223	227	120	119	167	223	224	221	223	222	222	220	219	219	211	214	217	222	220	220	220	220	211	195	199	222	208	202	207	219	194	193	220	221	231					
TJGS	GT1B	220	224	224	224	224	216	216	190	208	211	209	220	198	217	218	111	116	153	217	217	216	218	211	216	216	216	216	216	216	217	217	216	215	207	184	190	211	205	207	201	208	188	187	214	215	218								
TJGS	ST1C	255	255	258	258	258	248	247	243	242	250	244	251	246	247	258	186	162	166	246	250	254	254	254	250	254	254	254	250	234	241	252	255	255	255	242	240	241	245	237	233	250	245	233	225	243	244	251							
Total CCGT-Gas		6155	5745	5532	5415	5070	5154	4874	4747	4513	4503	4422	4401	4440	4409	4717	4607	5247	6094	6870	7181	7282	7313	7254	7233	7233	7234	7238	7151	7146	7186	7209	7210	7221	7226	7241	7098	6791	6481	6568	6993	7089	7101	7157	6894	6792	6746	6566	6488						
PDPs	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	0	0			
PDPs	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PDPs	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	0	0		
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	0		
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	0	0	0	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	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	0	0	0	0	0	0	0	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	23	23	22	22	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	HY03	23	23	23	23	23	12	12	12	12	12	13	12	13	12	10	10	10	10	11	12	11	10	11	23	23	22	21	11	11	12	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
CEND	HY01	8	8	10	10	10	9	9	8	8	8	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	7	7	7	7	7	7		
CEND	HY02	8	8	10	10	10	9	9	8	8	8	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	7	7	7	7	7	7		
CEND	HY03	8	9	10	10	10	10	10	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0																																																					

