

Availability At Daily Maximum Demand Hour

ST-Coal	2,070	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,464	MW
Hydro	1,517	MW
Distillate	0	MW
Total TNB	7,121	MW
Total IPP	10,875	MW
Total Co-Gen	62	MW
System Total	18,058	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 20:30

TNB Generation	5,141	MW
IPP Generation	8,509	MW
Total Set On Bus	14,750	MW
Maximum Demand	13,715	MW
Spinning Reserve	1,038	MW
Net Energy	300,970	MWH
Load Factor	91.4	%

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 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	12905	12357	11895	11440	11219	11006	11011	10894	10719	11920	12772	13438	13366	13227	13441	13502	13416	13134	12750	12758	13696	13574	13328	13186

Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	102
PGPS	52
SRDG	67
TJGS	112
TNB Total	388
KLPP	106
MPSS	56
PDPS	6
PGLA	109
PKLG	17
PLPS	108
SGRI	184
YPGS	68
YPKA	132
IPP Total	785
Total Gas	1,173
Total Gas Required :	1,173
Gas Calorific Value :	38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	48,633.00	16.16 %
Gas	46,931.00	15.59 %
Hydro	10,887.00	3.62 %
Total TNB	106,451.0	35.37 %
ST-Coal	91,180.0	30.30 %
ST-Gas	318.0	0.11 %
Gas	102,170.0	33.95 %
Total IPP	193,668.0	64.35 %
Co-Gen	1,674.0	0.56 %
Total Co-Gen	1,674.0	0.56 %
Total Generation	301,793.0	100.27 %
PLTG	92.0	0.03 %
HVDC	731.0	0.24 %
Interconnection	823.0	0.27 %
Net Energy	300,970.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	179
Hydro	197
Syncon	385
Thermal	173
Total	935

	Weather	Temperature
Morning	Sunny	25
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																										
YPKA	BLK2	375	375	376	376	372	372	372	372	371	371	374	374	370	370	371	371	370	370	369	369	368	368	367	367	369	369	369	369	374	374	371	371	374	374	372	372														
PLPS	GT11	105	105	105	105	66	66	66	66	66	66	66	66	66	66	104	141	139	139	136	136	136	136	143	143	143	142	142	142	141	141	141	105	105	137	137	135	135	136	136	135	137	137	142	144						
PLPS	GT12	109	109	109	109	69	69	69	69	69	69	69	69	69	69	108	146	146	146	142	142	142	142	148	148	145	148	148	146	146	146	146	146	146	109	109	142	139	142	142	142	142	142	142	142	144					
PLPS	GT13	140	110	110	110	110	110	70	70	70	70	70	70	70	70	104	104	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	110	110	110	110	110	110	110	110	110	140	140	140	140						
PLPS	ST18	193	193	193	193	164	148	145	147	147	146	146	146	146	146	192	212	212	212	212	212	212	212	216	216	216	216	216	216	216	216	201	194	211	211	211	211	211	211	211	211	211	211	211	211						
TJGS	GT1A	225	223	222	226	225	226	223	189	193	139	214	214	212	224	224	224	194	226	221	222	222	222	219	220	222	221	221	222	222	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220						
TJGS	GT1B	223	223	223	223	223	226	222	188	189	137	207	207	207	224	224	224	190	222	222	222	222	218	218	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219						
TJGS	ST1C	258	258	258	258	258	258	242	226	192	235	235	238	237	257	257	228	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	258	258	258				
Total CCGT-Gas		6305	5973	5782	5545	5518	5368	5151	5041	4981	4914	5124	5207	5254	5406	5204	4909	4670	5463	5986	6271	6283	6254	6256	6246	6220	6208	6189	6243	6248	6247	6244	6243	6235	6242	6245	6232	6015	5816	5983	6218	6232	6230	6234	6263	6284	6288	6297	6301		
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	109	107	107	107	108	108	108	107	107	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PCLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	104	104	104	105	105	104	104	104	103	103	104	104	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	95	95	95	95	95	95	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95		
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99	98	98	99	101	102	99	99	99	98	98	97	97	98	70	71	69	70	100	101	101	102	101	101	103	102		
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	124	124	126	124	125	124	124	125	124	124	124	124	124	124	124	89	89	89	89	126	128	128	129	128	128	129	130	106
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	122	125	125	124	124	124	123	123	123	123	123	123	124	125	123	123	123	89	89	90	89	120	121	118	119	117	121	0	
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	409	658	755	752	753	757	758	754	754	753	752	752	706	643	544	319	319	317	318	441	446	444	443	441	351	233	118				
BSIA	HY01	13	11	12	11	11	11	11	11	12	12	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
BSIA	HY02	22	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
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				
CEND	HY01	0	0	0	0	0	0	0	0	0	0	0	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	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	9	9			
CEND	HY03	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	9				
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					
KNRG	HY01	36	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	22	24	19	19	18	20	21	20	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KNRG	HY02	35	35	35	35	36	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	23	22	0	0	0	0	22	23	23	36	36	0	0	0	0	0	0	36	36	36	35	22	18	0	0		
KNRG	HY03	36	36	36	36	36	36	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38				
KNYR	HY01	56	55	100	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	61	100	100	100	100	100	98	98	100	100	95	100	100	100	100	98	100	100	100	100	100	100	100	100	100				
KNYR	HY02	59	60	101	75	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	60	100	101	101	100	100	100	100	99	101	101	101	100	100	100	100	100	100	100	100	100	100	100	100				
KNYR	HY04	62	60	69	84	74	101	60	93	73	102	74	76	102	58	72	58	102	76	92	98	82	69	100	100	61	61	59	64	100	100	89	99	100	100	100	77	100	100	99	100	99	92	82	66	59	100	99			
LPIA	HY01</																																																		

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 Gen		12932	12581	12344	12032	11871	11760	11505	11341	11260	10907	11000	11043	11053	11129	10983	10732	10680	11441	11984	12473	12777	13266	13399	13519	13426	13227	13207	13345	13468	13544	13577	13496	13452	13395	13121	12858	12726	12556	12774	13439	13704	13712	13601	13482	13402	13272	13181	13171			
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	0
TIE-HVDC		30	30	31	29	31	29	30	31	29	29	31	31	31	29	31	29	31	31	31	31	30	31	30	32	30	31	29	31	31	31	31	31	31	30	31	31	31	31	31	30	30	30	30	30	30	30	31	31	31	31	
TIE-PLTG		-3	30	-44	56	-55	-30	35	-50	12	-201	-37	14	11	72	58	73	-70	50	33	67	-25	-16	-69	-18	30	0	-49	49	-4	-1	44	-17	6	4	-44	10	-55	-51	-14	-62	-22	-33	-3	-21	43	21	-36	5			
Interconnection		27	60	-13	85	-24	-1	65	-19	41	-172	-6	45	42	101	89	102	-39	81	64	98	5	15	-39	14	60	31	-20	80	27	30	75	14	36	35	-13	41	-24	-20	16	-32	8	-3	27	9	74	52	-5	36			
System Total		12905	12521	12357	11947	11895	11761	11440	11360	11219	11079	11006	10998	11011	11028	10894	10630	10719	11360	11920	12375	12772	13251	13438	13505	13366	13196	13227	13265	13441	13514	13502	13482	13416	13360	13134	12817	12750	12576	12758	13471	13696	13715	13574	13473	13328	13220	13186	13135			
SRev ST-Coal		209	220	278	286	277	291	279	280	285	272	278	275	327	285	291	299	219	217	211	217	221	210	214	220	216	217	212	215	217	229	216	238	220	215	218	236	216	216	214	229	216	212	209	211	216	217	209	213			
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	0	0	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		401	688	664	901	928	1078	1295	1405	1465	1532	1322	1239	1192	1040	1242	1537	1776	963	440	155	143	172	170	180	206	218	237	183	178	179	182	183	191	184	181	194	411	610	443	208	194	196	192	165	142	138	129	125			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	51	117	20	23	22	18	17	21	21	22	23	23	69	22	21	141	141	143	142	19	15	14	16	17	19	9	-3	112			
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	625	726	726	726	726	726	424	424	726	726	726	726	726	726	726	726	625	625	302	453	302	302	539	539	539	539	388	539	539	539	539	625	625	625	625	625	453	302	302	453	539	539	625	625	474			
Hydro		186	221	115	326	115	92	135	83	101	227	357	96	65	117	103	119	61	89	72	143	170	453	273	283	350	239	249	244	162	453	279	162	127	135	85	112	82	81	89	155	243	314	194	265	251	82	77	129			
S.Reserve Total		1506	1754	1682	2138	2046	2187	2435	2494	2577	2455	2381	2336	2310	2168	2362	2681	2782	1995	1449	1177	1210	1254	1130	1008	1096	1231	1254	1202	1117	1271	1239	1145	1146	1093	1130	1308	1475	1675	1513	1064	970	1038	1064	1195	1167	1071	1037	1053			