

Availability at Daily Maximum Demand Hour

ST-Coal	2,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,519 MW
Hydro	2,050 MW
Distillate	0 MW
Total TNB	7,649 MW
Total IPP	7,796 MW
Total Co-Gen	3 MW
Total System	15,733 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	45,967	15.15 %
Gas	80,733	26.61 %
Hydro	17,609	5.81 %
Total TNB	144,309	47.57 %
ST-Coal	88,693	29.24 %
ST-Oil	7,478	2.47 %
Gas	62,125	20.48 %
Distillate	333	0.11 %
Total IPP	158,629	52.29 %
Co-Gen	975	0.32 %
Total Co-Gen	975	0.32 %
Total Generation	303,913	100.19 %
PLTG	-153	-0.05 %
HVDC	727	0.24 %
Interconnection	574	0.19 %
Net Energy	303,339	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	15,203 MW
TNB Generation	6,623 MW
IPP Generation	7,242 MW
Spinning Reserve	1,297 MW
Maximum Demand	13,848 MW
Net Energy	303,339 MWH
Load Factor	91.27 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	486
Hydro	153
Syncon	517
Thermal	122
Total	1,278

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Rainy	25

Gas Usage

Station	(mmscfd)
CBPS	6
CBPS	97
GLGR	55
NPRI	1
PAKA	159
PGGS	13
PGPS	43
SRDG	35
TJGS	218
Total TNB	626

KLPP	108
PDPS	36
PKLG	15
PLPS	103
PTEK	47
SGB3	16
SGRI	149
SKSP	53
Total IPP	526
Total Gas	1,153

Total Gas Required 1,229

Alternate Fuel Usage

Station	(mmscfd)
PDPS	4
PKLG	72
Total	76

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13559	12982	12514	12110	11787	11623	11509	11262	11033	11768	12534	13063	13048	12733	13127	13208	13253	13047	12782	13158	13848	13616	13088	12794

Daily MW Generation on Thursday

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	
SGB3	GT31	65	65	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT32	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
SGB3	GT33	66	66	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
SGB3	ST34	147	147	132	99	98	98	97	97	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
SGRI	GT11	105	112	113	114	139	139	121	128	116	121	125	117	140	130	131	113	139	125	113	138	113	128	138	130	136
SGRI	GT12	112	113	111	118	42	0	0	0	0	0	0	0	0	0	0	0	75	151	151	151	131	146	132	139	113
SGRI	GT13	114	114	113	122	136	136	118	129	116	120	125	116	139	131	136	116	138	127	112	139	113	128	134	129	133
SGRI	ST14	199	196	199	208	182	156	139	143	137	139	135	148	148	150	145	158	182	206	221	217	211	223	211	221	198
SGRI	GT21	113	115	114	119	112	112	112	112	112	112	112	119	112	112	113	113	113	113	131	131	130	130	130	130	130
SGRI	GT23	115	115	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	130	132	131	66	65	66	65	65	65	62	62	66	65	65	64	62	62	64	64	70	70	70	70	72	72
SKSP	BLK1	324	302	323	345	338	329	300	509	291	281	308	295	329	301	312	294	325	285	249	271	294	239	267	231	244
TJGS	GT1A	221	224	221	225	222	225	225	226	223	223	223	226	226	226	226	226	229	229	225	225	225	222	222	222	222
TJGS	GT1B	214	214	214	214	214	214	214	217	217	214	214	217	217	217	217	217	217	217	217	217	220	216	216	213	213
TJGS	ST1C	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
TJGS	GT2A	217	217	217	217	217	217	217	217	217	217	217	220	220	220	222	222	222	222	222	220	225	225	222	222	220
TJGS	GT2B	217	217	217	220	217	217	217	217	220	220	217	220	220	220	220	220	220	218	218	218	218	218	218	218	218
TJGS	ST2C	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	265	265	265	264	264
Total CCGT-Gas		6181	6165	6040	5819	5578	5447	5185	5223	5151	5143	5189	5140	5315	5229	5155	4895	5055	5139	5454	5702	5732	5739	5717	5593	5688
CBPS	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
CBPS	GT06	0	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	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
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
PDPS	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
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
PGGG	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCLG	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
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	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	0
PTEK	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	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
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
Total CCGT-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
BSIA	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
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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
CEND	HY01	10	9	9	9	10	10	10	10	10	10	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9
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
CEND	HY03	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	8	8	7	8	7	8	8	7	8	8	7	8	8	8	8	8	7	8	8	7	7	7	7	7	7
HTRG	HY01	125	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	62	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	24	24	24	25	24	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25	24	25
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
KNRG	HY03	19	19	20	22	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	96	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Daily MW Generation on Thursday

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																								
S.Reserve Total		1774	2064	1966	1833	1867	1695	1730	1775	1831	1861	1824	1861	1661	1732	1538	1424	1106	1301	1283	1139	1047	1074	1104	1146	1105	1244	1474	1203	995	1111	1267	1236	1101	1316	1476	1317	1553	1651	1766	1303	1297	1391	1579	1387	1542	1768	1435	973