

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,596 MW
Hydro	1,666 MW
Distillate	0 MW
Total TNB	7,332 MW
Total IPP	9,598 MW
Total Co-Gen	0 MW
Total System	17,215 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,739	15.71 %
Gas	60,857	20.02 %
Hydro	7,305	2.40 %
Total TNB	115,901	38.13 %
ST-Coal	92,849	30.55 %
Gas	93,802	30.86 %
Total IPP	186,651	61.41 %
Co-Gen	1,225	0.40 %
Total Co-Gen	1,225	0.40 %
Total Generation	303,777	99.94 %
PLTG	529	0.17 %
HVDC	-702	-0.23 %
Interconnection	-173	-0.06 %
Net Energy	303,950	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:	19:30:00 Hour
Total Set On Bus	15,029 MW
TNB Generation	5,507 MW
IPP Generation	8,336 MW
Spinning Reserve	1,145 MW
Maximum Demand	13,940 MW
Net Energy	303,950 MWH
Load Factor	90.84 %

Fuel Cost
Average Spinning Reserve During Peak Hour

Type	MW
GT	201
Hydro	120
Syncon	501
Thermal	36
Total	858

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	58
GLGR	57
PAKA	133
PGPS	51
SRDG	16
TJGS	156
Total TNB	475
KLPP	4
MPSS	58
PDPS	3
PGLA	110
PKLG	3
PLPS	104
PTEK	2
SGB3	37
SGRI	153
SKSP	54
YPGS	71
YPKA	134
Total IPP	733
Total Gas	1,208
Total Gas Required	1,208

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13055	12384	11935	11664	11312	11322	11087	11130	10935	12230	12996	13588	13616	13087	13342	13557	13444	13229	12848	13042	13835	13593	13326	13119

Daily MW Generation on Saturday

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	GT12	139	0	0	0	0	0	0	0	0	0	0	0	0	143	139	139	139	139	139	139	139	139	139	140	140
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	37	141	141	138	138	137	136	136	136	136	136	136
SGRI	GT21	138	138	138	108	108	108	108	107	107	107	108	107	104	107	109	109	142	142	141	141	139	139	139	140	140
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	46	140	143	142	142	142	142	142	142	142	142	142
SGRI	ST14	35	69	69	28	29	29	28	28	28	28	30	28	61	61	64	64	64	130	180	220	220	220	220	220	220
SGRI	ST24	69	73	72	61	62	62	61	61	62	62	63	64	60	61	61	56	64	63	126	126	141	141	138	134	133
SKSP	BLK1	303	317	261	292	242	215	234	233	226	276	255	239	225	229	259	240	276	288	297	251	344	348	347	338	316
TJGS	GT1A	227	227	227	227	227	227	227	118	122	122	122	121	121	121	225	225	225	225	222	222	222	222	222	222	222
TJGS	GT1B	226	226	226	226	226	226	223	114	117	117	117	117	117	117	117	222	225	222	222	222	222	222	222	222	222
TJGS	GT2B	219	219	219	222	222	222	144	148	148	150	150	150	150	149	151	150	214	214	214	214	214	214	211	211	213
TJGS	ST1C	259	259	259	259	259	259	172	167	164	164	164	164	164	164	164	249	256	256	256	256	256	256	256	256	256
TJGS	ST2C	125	125	125	125	125	97	102	102	100	100	100	100	100	102	102	122	122	122	122	122	122	122	122	122	122
YPGS	GT11	123	124	126	126	126	125	126	127	127	126	126	127	126	126	127	126	127	125	123	123	124	122	122	122	122
YPGS	GT12	130	130	134	130	132	132	133	135	133	133	132	133	134	131	132	131	133	131	131	130	129	129	129	129	129
YPGS	ST10	137	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
YPKA	BLK1	371	372	372	372	372	372	372	370	370	372	372	372	372	372	374	374	371	371	370	370	369	369	366	366	365
YPKA	BLK2	377	378	378	378	378	378	376	376	378	378	378	378	380	380	377	377	376	376	376	376	372	372	372	372	372
Total CCGT-Gas		6279	6048	5699	5616	5547	5469	5326	5007	4970	5099	5095	5005	4983	5006	4985	4992	5041	5660	6241	6504	6954	7002	7010	6988	
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	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
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
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
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
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
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
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	12	11	12	11	12	12	12	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
CEND	HY01	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
CEND	HY02	10	10	10	10	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY03	21	21	21	20	21	21	21	22	21	22	22	23	22	22	21	23	20	21	23	22	22	22	22	22	22
KNYR	HY01	56	53	58	55	55	53	59	59	53	61	60	61	58	60	61	57	61	50	50	64	61	63	73	91	88
KNYR	HY02	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	97	97	97	96	96	96	96	96	96	96	96	96	96	96	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
MNOR	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
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
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
PGAU	HY03	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
SIHY	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
SIHY	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
SYPS	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
SYPS	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
SYPS	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
TMGR	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
TMGR	HY03	-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

Daily MW Generation on Saturday

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	HY04	32	30	34	31	31	29	34	35	30	36	36	37	33	34	36	33	37	27	28	39	37	38	46	36	34	33	32	34	32	36	35	35	35	78	77	78	78	33	34	34	28	32	29	30	28	40	30	39		
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
UPIA	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	
Total Hydro		357	351	360	351	353	349	355	357	344	382	360	363	354	357	381	352	167	141	145	174	168	354	552	541	534	168	165	173	340	419	392	308	258	327	235	274	235	166	172	582	451	410	157	159	152	212	157	207		
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	0	0	0	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	22	20	20	22	21	22	22	22	22	22	23	22	22	22	19	21	20	22	23	22	21	19	18	17	15	16	15	16	15	15	13	13	13	12	13	11	12	12	12	12	12	13	14	14	14	14	14			
PCUF	CUFK	9	12	22	39	37	39	39	39	40	41	40	40	39	39	37	39	39	40	37	37	34	33	31	30	34	31	31	32	30	28	30	33	31	31	31	31	31	30	31	30	29	30	30	30	32	31	34	35		
Total Co-Gen		31	32	42	61	58	61	61	61	62	63	62	63	61	61	59	61	58	61	57	59	57	56	53	51	53	49	48	47	46	43	46	48	46	44	44	44	42	44	41	41	42	42	42	45	45	48	49			
Total Gen		13022	12721	12356	12093	11864	11691	11646	11360	11254	11365	11254	11147	11065	11119	11130	10897	10857	11658	12314	12575	12974	13214	13480	13593	13576	13326	13169	13337	13367	13582	13558	13473	13457	13515	13237	12882	12891	12805	13046	13884	13908	13912	13629	13570	13398	13317	13172	12939		
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		-30	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-32	-31	-28	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-30	-30	-30	-30	-29			
TIE-PLTG		-3	40	1	10	-42	2	10	-8	-29	17	-38	1	7	-21	32	46	-50	81	114	-19	6	-26	-79	45	-10	36	111	105	54	-29	30	20	43	57	37	11	72	-16	33	-29	101	25	66	78	102	-12	83	-4		
Interconnection		-33	11	-28	-19	-71	-26	-18	-38	-58	-12	-68	-27	-22	-50	0	15	-78	51	84	-47	-22	-56	-108	15	-40	6	82	76	25	-58	1	-10	13	28	8	-18	43	-45	4	-57	73	-4	36	48	72	-42	53	-33		
System Total		13055	12710	12384	12112	11935	11717	11664	11398	11312	11377	11322	11174	11087	11169	11130	10882	10935	11607	12230	12622	12996	13270	13588	13578	13616	13320	13087	13261	13342	13640	13557	13483	13444	13487	13229	12900	12848	12850	13042	13941	13835	13916	13593	13522	13326	13359	13119	12972		
S.Rev ST-Coal		2	67	79	141	241	244	176	172	188	186	204	198	196	191	219	183	95	27	54	93	83	75	78	24	36	48	42	23	31	35	40	25	37	39	39	26	31	37	39	41	33	45	23	45	6	40	27			
S.Rev 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
S.Rev CCGT-Gas		509	316	665	748	817	895	1038	1357	1394	1265	1269	1359	1381	1358	1379	1372	1323	984	546	573	263	215	207	229	291	165	252	114	249	131	143	142	126	153	228	518	482	512	274	258	137	113	103	102	106	35	94	391		
S.Rev 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
S.Rev Co-Gen		45	44	34	15	18	15	15	15	15	14	13	14	13	15	15	17	15	18	15	19	17	19	20	23	25	23	27	28	29	30	33	30	28	30	32	32	32	34	32	35	35	34	34	34	31	31	28	27		
Syncon		624	624	624	624	624	624	624	624	473	624	624	624	624	473	624	725	725	725	725	725	725	725	424	574	574	725	575	575	575	725	725	643	725	725	575	424	425	725	725	323	392	392	575	725	725	725	725			
Hydro		137	143	134	143	141	145	139	137	150	263	134	131	140	137	264	142	126	152	148	119	125	164	117	128	135	125	128	120	178	99	126	110	110	41	58	20	58	127	121	338	318	359	136	134	141	81	136	86		
S.Reserve Total		1321	1198	1540	1675	1845	1927	1996	2309	2371	2201	2244	2326	2354	2330	2322	2374	2372	1974	1461	1490	1223	1206	878	1035	1052	1077	1084	916	1111	1046	1070	973	1021	993	1051	1033	1024	1430	1189	1145	1039	1035	1005	1194	1134	878	1023	1256		