

Availability at Daily Maximum Demand Hour

ST-Coal	2,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,308 MW
Hydro	1,742 MW
Distillate	0 MW
Total TNB	9,040 MW
Total IPP	10,159 MW
Total Co-Gen	0 MW
Total System	19,199 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	63,094	19.25 %
Gas	65,846	20.09 %
Hydro	12,527	3.82 %
Total TNB	141,467	43.16 %
ST-Coal	87,811	26.79 %
ST-Gas	5,250	1.60 %
Gas	93,239	28.45 %
Total IPP	186,300	56.84 %
Co-Gen	633	0.19 %
Total Co-Gen	633	0.19 %
Total Generation	328,400	100.20 %
PLTG	-65	-0.02 %
HVDC	727	0.22 %
Interconnection	662	0.20 %
Net Energy	327,738	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:	14:30:00 Hour
Total Set On Bus	17,422 MW
TNB Generation	7,106 MW
IPP Generation	9,015 MW
Spinning Reserve	1,281 MW
Maximum Demand	16,126 MW
Net Energy	327,738 MWH
Load Factor	84.68 %

Fuel Cost

Total Cost:	49,825,121.86 RM
Cost per Unit	15.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	407
Hydro	592
Syncon	211
Thermal	108
Total	1,318

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmsefd)
CBPS	7
CBPS	21
GLGR	54
PAKA	142
PGPS	48
SRDG	36
TJGS	206
Total TNB	514
KLPP	95
MPSS	51
PDPS	19
PGLA	109
PKLG	7
PLPS	91
PTEK	18
SGB3	94
SGRI	63
YPGS	69
YPKA	124
PKLG	52
Total IPP	793
Total Gas	1,307
Total Gas Required	1,307

Alternate Fuel Usage

Station	(mmsefd)
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	12441	11850	11346	11103	10960	10788	11020	11138	11738	13771	14753	15424	15438	15157	15762	15942	16070	15489	14309	14046	15053	14951	14462	14093

Daily MW Generation on Monday

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	GT33	137	102	115	102	108	102	109	102	101	101	101	108	134	137	102	104	131	125	125	127	135	112	133	109	84	90	100	104	133	132	104	107	105	107	104	104	101	70	70	110	140	138	140	140	140	140	140	139				
SGB3	ST34	149	131	135	131	136	136	135	131	130	132	132	132	150	149	138	130	154	142	197	214	221	205	221	213	197	198	198	200	222	219	202	199	199	199	199	199	198	198	153	149	194	218	219	219	219	219	219	219	219	214		
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	150	149	149	151	151	153	146	153	155	151	151	151	151	151	151	152	155	151	106	143	115	131	106	111	137	111	111	111	113	133	120					
SGRI	GT13	133	112	115	114	117	115	122	114	117	113	116	118	136	136	114	118	113	135	105	134	134	134	133	133	132	132	132	132	132	131	131	131	131	131	132	132	125	102	133	109	126	100	107	133	108	108	108	127	116			
SGRI	ST14	74	63	68	69	68	69	69	68	66	67	70	72	71	72	63	65	75	79	139	152	152	151	152	150	149	149	150	150	151	151	150	153	152	151	151	125	151	135	149	131	135	147	132	132	136	141	136					
YPGS	GT11	120	119	122	122	122	124	122	124	124	124	119	122	124	123	123	123	125	123	123	122	121	118	116	117	112	118	116	119	120	116	116	118	120	121	122	118	117	121	122	121	117	120	120	123	117	123	123	124				
YPGS	GT12	129	131	129	132	129	127	130	131	132	134	133	132	128	131	130	131	129	132	129	131	131	130	150	128	127	129	124	126	122	128	124	125	123	127	126	127	130	129	129	129	126	126	131	125	125	123	130	129	130	131		
YPGS	ST10	131	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133	134	134	132	132	131	131	132	132	133	133	131	131	131	131	132	132	132	132	132	132	132	132	132	132	132	132	133	133				
YPKA	BLK1	272	272	274	274	271	271	274	274	274	274	274	304	304	325	338	362	362	359	359	355	355	343	354	354	355	355	355	355	355	355	355	352	352	352	358	358	358	358	358	358	347	347	349	349	349	353	353	361				
YPKA	BLK2	301	301	303	303	300	300	303	303	303	303	303	334	334	354	377	390	390	387	387	382	382	370	382	382	382	382	382	382	383	383	382	382	378	378	380	384	384	384	384	384	384	374	374	376	376	376	380	380	389			
PLPS	GT11	69	56	62	60	66	64	66	65	65	58	60	66	67	70	68	66	69	111	148	147	146	142	145	144	134	123	117	122	126	122	119	123	122	122	119	110	108	115	116	145	137	141	144	144	139	146	142	148				
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	143	141	140	140	139	139	131	126	121	126	131	127	123	126	127	126	124	113	111	119	118	140	133	135	139	139	133	139	136	142						
PLPS	GT13	67	55	61	58	64	64	64	63	64	56	58	65	66	67	64	64	67	108	146	145	145	144	144	143	135	119	113	119	124	119	115	120	119	119	115	106	105	113	112	144	137	139	143	142	136	142	140	146				
PLPS	ST18	100	86	89	88	91	93	91	89	88	81	85	87	92	97	93	97	102	138	214	214	215	214	213	213	210	203	201	203	205	205	203	203	203	204	196	193	200	199	213	210	210	211	213	211	213	213	213					
TJGS	GT1A	225	211	157	158	159	162	159	159	162	162	158	159	159	159	180	226	226	222	221	221	221	221	221	221	221	221	222	222	222	222	222	222	222	222	192	160	160	219	219	222	222	222	222	222	222	222	226	226				
TJGS	GT1B	221	204	150	150	150	150	153	150	150	150	150	150	150	171	219	222	222	212	212	212	212	212	212	212	212	212	214	214	214	214	214	214	214	184	151	151	218	222	222	222	222	222	222	222	222	222	222	226				
TJGS	ST1C	255	255	199	195	195	195	195	191	191	191	191	191	191	191	195	248	255	255	251	251	251	251	251	251	250	250	250	250	250	250	250	250	250	243	197	197	249	256	256	256	256	256	256	256	256	256	256	256				
TJGS	GT2A	223	186	211	188	202	187	207	141	144	144	144	144	144	144	179	223	223	223	214	214	214	214	214	214	214	214	214	214	214	214	214	214	214	219	213	209	202	189	189	209	185	223	223	223	223	223						
TJGS	GT2B	219	184	203	184	198	183	203	140	140	140	140	140	140	140	176	219	221	219	210	210	210	210	210	209	209	209	209	209	209	209	209	209	209	216	214	204	198	183	183	207	183	219	219	219	219	219	219					
TJGS	ST2C	261	239	245	240	252	241	249	216	216	218	218	218	218	218	220	267	264	264	259	259	259	259	259	259	259	259	259	259	259	259	259	259	264	259	257	263	242	242	261	244	267	264	264	264	264	264						
Total CCGT-Gas		5464	5042	5006	4752	4840	4782	4862	4649	4666	4622	4638	4689	4786	4801	4736	4753	5002	6058	6830	7058	7130	7183	7251	7311	7171	7186	7188	7229	7351	7325	7201	7229	7230	7234	7214	7070	6687	6512	6432	7237	7347	7402	7551	7424	7494	7548	7589	7528				
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	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	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	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	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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			
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		
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	0	0	0	404	404	693	740	587	578	606	618	919	976	977	975	979	716	389	391	393	394	391	385	389	397	375	236	0	0	0
BSIA	HY01	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0																																															

Daily MW Generation on Monday

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																										
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																										
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
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																										
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																										
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																										
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
TMGR	HY01	-1	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
TMGR	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36																										
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																										
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
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																										
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																										
Total Hydro		311	300	169	165	193	172	172	167	166	157	181	225	234	268	224	168	174	165	192	366	720	734	782	878	746	577	557	700	726	931	838	885	909	767	600	575	481	493	482	777	964	1002	1086	988	870	792	585	276		
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	0
PCUF	CUFG	4	4	4	4	5	5	6	6	5	5	6	6	5	6	5	4	4	3	3	2	3	2	3	2	3	2	2	3	3	2	4	3	4	3	4	3	4	4	4	4	4	5	4	7	8	7	8			
PCUF	CUFK	22	22	24	25	25	26	28	26	26	26	29	27	25	26	25	28	26	25	23	21	22	21	20	21	18	19	19	18	20	18	19	18	18	20	21	21	19	17	20	21	19	23	20	21	21	21	19	23		
Total Co-Gen		26	26	28	29	30	31	34	32	31	31	34	33	31	31	33	32	30	27	25	25	24	22	24	20	22	21	21	22	20	22	21	20	24	24	25	22	21	24	25	23	27	23	25	28	29	26	31			
Total Gen		12443	11976	11907	11517	11351	11192	11126	10880	10934	10853	10893	10905	11013	11232	11170	11148	11767	12946	13812	14377	14791	15254	15394	15769	15545	15347	15265	15498	15698	16141	15970	16061	16095	15948	15511	15001	14332	14082	14017	14885	15112	15156	14992	14803	14597	14290	14182	13489		
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		
TIE-HVDC		30	31	31	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-28	29	26	30	-25	-2	-7	3	-56	-11	74	-23	-36	-18	1	-2	-1	37	9	-11	8	-1	-61	7	77	-10	78	-50	-94	-16	-2	-39	-5	-22	-8	23	-6	-16	-60	24	30	36	11	13	105	64	59	-265		
Interconnection		2	60	57	60	5	28	23	33	-26	20	105	7	-7	13	32	28	29	68	41	20	38	29	-30	37	107	21	108	-20	-64	14	28	-9	25	9	22	52	23	15	-29	53	59	66	41	43	135	95	89	-235		
System Total		12441	11916	11850	11457	11346	11164	11103	10847	10960	10833	10788	10895	11020	11219	11138	11120	11738	12878	13771	14357	14753	15225	15424	15732	15438	15326	15157	15518	15762	16127	15942	16070	16070	15939	15489	14949	14309	14067	14046	14832	15053	15090	14951	14760	14462	14195	14093	13724		
SRev	ST-Coal	212	156	110	280	461	533	682	681	671	686	693	752	747	621	469	455	194	58	-6	51	165	174	160	237	159	95	142	119	122	157	162	153	140	159	144	138	207	154	-13	60	-117	-56	56	2	62	31	107	-22		
SRev	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	0	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	ST-Gas	682	1104	1140	1394	1306	1364	1284	1497	1480	1524	1508	1457	1360	1547	1612	1595	1442	918	394	369	297	352	284	284	424	409	407	374	244	270	394	366	365	361	381	525	882	1057	1137	429	369	314	191	283	213	159	118	179		
SRev	Co-Gen	37	37	37	37	37	37	37	37	37	37	37	37	37	38	37	37	37	37	37	39	10	8	-4	1	14	1	8	2	-2	-2	6	-1	0	-2	0	3	41	41	40	41	15	11	0	-2	10	-1	2	-8		
SRev	Syacon	18	18	16	15	14	13	10	12	13	13	10	11	13	13	11	12	14	17	19	19	20	22	20	22	24	22	23	23	24	22	23	24	20	19	22	20	19	22	25	20	19	21	17	21	19	16	15	18	13	
SRev	Hydro	88	185	151	135	258	128	128	133	134	143	270	311	151	268	185	132	126	135	259	236	668	778	730	659	791	710	730	587	561	606	699	652	628	670	687	712	705	593	604	510	573	686	451	549	365	343	229	126		
S.Reserve Total		1950	2327	2286	2688	2752	2902	2968	3187	3162	3230	3194	3244	3135	3162	3144	3057	2638	1989	1377	1339	1310	1493	1353	1530	1694	1672	1754	1521	1351	1281	1462	1361	1327	1374	1452	1719	2278	2287	2206	1379	1187	1143	1033	1187	1225	1000	1013	1013		