

Availability at Daily Maximum Demand Hour

ST-Coal	3,000 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,541 MW
Hydro	2,097 MW
Distillate	0 MW
Total TNB	9,638 MW
Total IPP	8,495 MW
Total Co-Gen	28 MW
Total System	18,161 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,228	19.59 %
Gas	84,257	24.56 %
Hydro	13,709	4.00 %
Total TNB	165,194	48.15 %
ST-Coal	85,735	24.99 %
ST-Gas	9,938	2.90 %
Gas	80,728	23.53 %
Total IPP	176,401	51.41 %
Co-Gen	572	0.17 %
Total Co-Gen	572	0.17 %
Total Generation	342,167	99.73 %
PLTG	-399	-0.12 %
HVDC	-539	-0.16 %
Interconnection	-938	-0.27 %
Net Energy	343,105	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:	16:00:00 Hour
Total Set On Bus	17,701 MW
TNB Generation	8,437 MW
IPP Generation	7,958 MW
Spinning Reserve	1,282 MW
Maximum Demand	16,399 MW
Net Energy	343,105 MWH
Load Factor	87.18 %

Fuel Cost

Total Cost:	54,893,263.50 RM
Cost per Unit	16.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	389
Hydro	578
Syncon	335
Thermal	127
Total	1,429

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	30
CBPS	58
GLGR	56
NPRI	80
PAKA	202
PGGS	12
PGPS	52
SRDG	31
TJGS	157
Total TNB	677
KLPP	105
MPSS	59
PGLA	113
PKLG	13
PLPS	98
SGB3	60
SGRI	160
SKSP	33
PKLG	98
Total IPP	738
Total Gas	1,415
Total Gas Required	1,415

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	13604	12798	12412	11971	11724	11525	11913	11880	12411	14262	15153	15928	15885	15494	16088	16345	16399	16114	14889	14565	16028	15639	15105	14548

Daily MW Generation on Tuesday

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																										
PGLA	ST10	245	240	209	240	242	227	196	242	214	213	198	205	222	252	238	199	209	221	247	235	221	230	227	253	253	251	252	252	254	253	253	252	255	250	226	242	242	244	249	246	241	244	244	240	242	245	240			
PGPS	GT3A	94	96	83	83	82	82	81	82	82	83	82	83	83	84	82	82	82	95	94	95	94	96	95	95	94	95	95	96	95	94	94	94	94	91	92	92	94	95	94	95	95	95	93	92	94	94	95			
PGPS	GT3B	94	95	83	83	84	83	83	83	83	83	84	84	85	83	84	84	95	95	95	94	95	95	94	94	94	94	95	94	94	94	92	92	92	92	92	91	88	90	90	90	92	91	90	90	90	90	90	90		
PGPS	ST3C	90	90	79	77	77	77	77	77	77	77	77	77	77	78	77	76	76	89	90	91	90	91	91	91	92	90	90	92	91	91	92	92	92	92	91	88	90	90	90	92	91	90	90	90	90	90	90			
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	154	148	144	149	147	146	147	141	146	142	145	145	146	140	144	139	140	133	106	107	111	116	148	145	143	148	141	138	145	148	6		
PLPS	GT12	143	142	119	119	118	120	112	70	69	69	69	68	69	74	64	70	73	118	118	139	141	142	141	141	140	142	136	139	140	141	135	139	132	135	129	111	111	114	118	141	136	135	143	134	134	139	142	120		
PLPS	GT13	143	144	108	108	106	108	103	60	60	60	60	60	59	67	56	60	62	108	112	144	145	145	145	144	140	145	141	143	145	144	139	143	138	139	133	104	103	108	112	146	143	141	146	139	138	144	147	113		
PLPS	ST18	173	144	133	133	133	133	131	94	94	94	94	94	93	94	91	98	91	199	206	216	215	214	213	212	211	213	210	213	213	212	211	208	195	193	195	197	216	212	212	215	214	211	213	214	211	213	174	175		
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	101	146	145	130	143	117	117	113	116	113	116	112	116	119	113	116	112	116	138	116	108	114	116	144	145	144	144	144	144	139	112	0	
SGB3	GT33	116	124	118	116	115	115	112	118	116	118	113	117	119	123	113	114	114	140	141	138	126	138	109	109	108	111	107	117	110	111	111	111	111	111	111	133	102	104	107	111	140	137	140	140	140	140	132	138	141	106
SGB3	ST34	68	64	64	64	64	63	63	62	62	63	63	64	64	64	64	62	68	124	152	152	152	152	136	137	136	134	134	140	136	136	138	138	138	136	148	132	136	136	134	152	153	153	152	152	150	146	72	59		
SGRI	GT11	130	125	112	112	61	61	61	61	61	61	61	61	61	61	61	60	104	106	138	139	139	138	123	113	112	132	111	139	120	135	118	118	118	111	102	102	103	111	110	135	110	110	125	111	113	110	110	120		
SGRI	GT12	133	127	112	117	67	66	66	67	67	65	65	65	67	67	67	66	111	110	150	153	153	152	126	112	111	135	111	152	125	149	127	123	123	112	103	104	103	111	111	149	113	113	128	110	104	111	111	125		
SGRI	ST14	146	138	134	130	99	90	90	91	89	93	93	91	89	90	90	93	127	130	151	147	147	149	134	129	130	143	133	147	134	153	140	143	138	132	129	128	131	134	134	151	128	131	135	134	127	134	133	136		
SGRI	GT21	136	126	115	116	113	113	113	65	63	64	64	62	63	65	62	108	109	137	139	139	138	138	126	115	113	113	113	113	135	135	135	135	135	107	108	112	112	137	137	137	137	137	137	137	82	31				
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	66	144	141	139	139	141	130	118	117	117	125	118	118	115	115	135	138	140	109	115	114	116	139	141	141	140	140	140	140	144	112		
SGRI	GT23	150	129	115	114	116	113	114	64	64	63	63	63	63	64	64	61	112	113	147	147	147	146	146	133	112	112	112	123	113	118	112	112	134	144	144	113	112	112	112	147	144	144	144	144	146	146	150	116		
SGRI	ST24	168	137	134	130	132	134	134	88	89	90	90	91	92	92	88	89	136	156	220	218	219	220	216	218	195	197	197	205	198	197	200	200	210	219	219	201	195	201	201	220	221	221	219	223	226	230	209	169		
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	7	28	70	133	154	346	344	348	348	343	342	342	342	315	301	295	295	294	296	297	298	322	343	300	298	343	298	297	301	314	212		
TJGS	GT1B	212	193	163	169	166	174	169	175	168	170	169	173	216	222	170	168	177	176	217	167	218	222	222	222	219	219	219	219	219	219	187	169	166	169	166	167	174	217	167	168	175	175	170	167	167	216				
TJGS	ST1C	109	92	98	102	95	91	91	90	90	94	91	104	115	101	93	90	91	109	118	118	118	118	118	118	118	118	118	118	118	118	113	105	92	92	92	92	92	92	92	93	93	93	93	93	93	93	112			
TJGS	GT2A	216	217	204	219	205	188	186	187	187	137	136	195	188	195	191	221	186	220	215	215	215	215	215	215	215	215	212	212	214	217	217	217	219	219	219	219	219	219	219	219	219	219	219	219	219	221	216			
TJGS	GT2B	213	220	202	217	204	185	184	187	184	133	133	133	133	133	192	184	192	189	218	182	220	220	220	220	217	217	217	215	215	215	218	218	218	220	220	220	220	220	220	220	220	220	220	220	220	220	221	213		
TJGS	ST2C	261	254	255	259	248	240	240	240	211	211	211	211	211	225	240	240	241	262	241	265	265	265	265	265	265	265	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	263	263	263	261	
Total CCGT-Gas		6409	6278	5698	5655	5393	5195	5073	4905	4760	4687	4582	4622	4792	4890	4843	4743	5116	6223	6955	7022	7426	7572	7619	7722	7703	7610	7588	7726	7621	7686	7586	7546	7593	7514	7574	7151	6694	6767	6820	7207	7624	7618	7744	7620	7057	7216	7273	7062		
CBPS	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	
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	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	0	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
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	0	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</																																																

Daily MW Generation on Tuesday

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
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	3	3	3	7	7	7
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	20	20	20	20	85	85	138	111
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-2	92	-2	-2	-2	-2	-2	-2	-2
PGAU	HY03	-3	-3	-3	-3	-3	-3	0	0	0	0	0	0	0	0	14	-4	-4	-2	-2	-2	-2	-2	-2	-2
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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	49	31	30	0	0	31	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	40	30	0	0	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	39	30	0	0	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	16	0	0	0	10
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	16	0	0	0	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	16	0	0	0	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	16	0	0	0	16
TMGR	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
TMGR	HY02	31	34	30	28	29	25	30	29	26	32	34	35	25	27	29	33	33	27	29	84	75	79	77	32
TMGR	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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		211	225	190	187	188	180	189	190	191	183	194	237	239	182	190	209	234	195	482	414	675	823	750	658
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
PCUF	CUFK	27	24	24	25	26	24	25	26	26	24	26	24	25	24	24	26	25	23	26	25	26	27	26	25
Total Co-Gen		27	24	24	25	26	24	25	26	26	24	26	24	25	24	24	26	25	23	26	25	26	27	26	25
Total Gen		13549	13416	12689	12553	12290	12114	11980	11823	11663	11616	11533	11615	11859	11966	11871	11851	12323	13486	14186	14803	15124	15469	15889	16004
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
TIE-HVDC		-29	297	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-26	-51	-80	-91	-93	-32	39	-34	-31	4	37	-56	-25	-12	20	-24	-59	-45	-47	30	0	-42	-10	-63
Interconnection		-55	245	-109	-121	-122	-61	9	-63	-61	-25	8	-85	-54	-41	-9	-53	-88	-75	-76	1	-29	-71	-39	-92
System Total		13604	13171	12798	12674	12412	12175	11971	11886	11724	11641	11525	11700	11913	12007	11880	11904	12411	13561	14262	14802	15153	15540	15928	16096
SRev ST-Coal		127	135	32	93	95	71	76	75	105	84	85	77	65	80	78	119	128	128	120	134	144	129	124	116
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	-1	10	8	30	25	23	29
SRev CCGT-Gas		220	351	871	771	1033	1231	1353	1521	1666	1739	1844	1804	1634	1536	1583	1765	2011	1394	730	632	438	323	276	173
SRev ST-Gas		34	34	39	38	38	37	37	37	67	67	68	70	72	72	74	76	73	40	45	17	6	4	4	4
SRev Co-Gen		1	4	4	3	2	4	3	2	2	4	2	4	3	4	4	2	3	5	2	3	2	1	2	3
Syncon		854	854	854	854	854	854	955	802	802	802	802	802	802	802	802	805	957	702	703	703	703	703	703	703
Hydro		206	92	127	130	130	129	137	127	129	128	136	125	82	80	137	129	110	232	119	187	254	243	180	253
S.Reserve Total		1442	1470	1927	1889	2152	2326	2460	2717	2771	2822	2939	2880	2659	2573	2678	2895	3126	2602	1971	1814	1558	1416	1296	1281