

Availability at Daily Maximum Demand Hour

ST-Coal	1,660 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,247 MW
Hydro	1,995 MW
Distillate	0 MW
Total TNB	7,902 MW
Total IPP	9,336 MW
Total Co-Gen	50 MW
Total System	17,288 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	34,437	12.09 %
Gas	61,596	21.62 %
Hydro	10,480	3.68 %
Total TNB	106,513	37.38 %
ST-Coal	101,120	35.49 %
ST-Gas	7,752	2.72 %
Gas	68,187	23.93 %
Total IPP	177,059	62.14 %
Co-Gen	1,073	0.38 %
Total Co-Gen	1,073	0.38 %
Total Generation	284,645	99.89 %
PLTG	-998	-0.35 %
EGAT	-33	-0.01 %
HVDC	726	0.25 %
Interconnection	-305	-0.11 %
Net Energy	284,950	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	14,628 MW
TNB Generation	5,253 MW
IPP Generation	7,802 MW
Spinning Reserve	1,531 MW
Maximum Demand	13,105 MW
Net Energy	284,950 MWH
Load Factor	90.60 %

Fuel Cost

Total Cost:	36,982,701.65 RM
Cost per Unit	13.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	450
Hydro	253
Syncon	712
Thermal	157
Total	1,572

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	56
NPRI	74
PAKA	100
SRDG	3
TJGS	218
Total TNB	451
KLPP	76
PGLA	114
PKLG	1
PLPS	96
SGB3	39
SGRI	150
SKSP	55
PKLG	79
Total IPP	610
Total Gas	1,061
Total Gas Required	1,061

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	12614	11982	11635	11351	11016	10837	10870	10824	10382	11002	11655	12012	12183	12123	12167	12193	12233	11938	11823	12449	13033	13036	12659	12411

Daily MW Generation on Sunday

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	
JMAH	U001	694	695	696	695	695	697	700	697	700	699	696	701	700	697	696	699	697	697	697	697	699	698	701	700	701
JMAH	U002	703	707	706	703	702	703	702	702	705	700	702	705	702	705	703	703	701	702	703	703	703	705	703	702	707
JMJG	U002	640	633	644	635	638	638	640	637	637	643	640	643	638	631	640	640	644	640	639	640	638	637	638	646	
JMJG	U004	862	864	871	789	791	790	792	791	789	790	788	791	791	792	791	789	792	790	791	791	792	790	791	791	
PKLG	U003	282	281	247	204	223	260	280	280	286	279	275	287	280	280	285	274	281	286	284	279	283	280	276	287	
PKLG	U004	262	260	260	260	260	256	253	256	260	260	261	263	261	261	260	260	260	258	260	260	260	258	258	258	
PKLG	U005	468	469	469	469	466	465	469	469	469	469	469	469	469	468	469	465	469	465	469	466	466	466	466	466	
PKLG	U006	462	468	468	465	468	462	472	468	468	465	462	466	466	466	466	469	466	466	466	466	466	466	466	466	
TBDN	U001	692	697	696	696	697	700	695	699	701	696	696	695	700	698	702	693	700	697	702	695	701	693	698	715	
TBDN	U003	703	702	700	702	703	700	704	701	700	702	697	697	700	703	703	704	701	703	701	701	701	703	702	700	
Total ST-Coal		5768	5776	5757	5618	5643	5671	5703	5700	5715	5703	5686	5717	5706	5703	5714	5702	5710	5698	5711	5702	5714	5707	5698	5727	
Total ST-Oil		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	U001	153	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145		
PKLG	U002	147	147	109	113	113	133	137	137	117	135	145	146	146	146	146	146	146	146	146	144	145	146	144		
Total ST-Gas		300	292	254	258	258	278	282	282	262	280	290	291	291	291	291	291	291	291	291	291	291	291	291	291	
CBPS	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT01	110	111	112	110	112	111	84	68	70	68	68	69	68	70	70	69	71	70	93	109	109	108	110		
GLGR	GT02	111	111	111	111	111	111	82	68	68	68	68	68	68	69	69	68	69	69	94	109	109	109	108		
GLGR	ST1C	99	100	100	98	99	99	86	71	70	70	70	70	70	70	69	82	98	98	99	99	99	99	99		
KLPP	GT14	143	142	142	144	143	143	143	142	142	142	143	103	74	74	75	75	74	106	141	140	121	113	113		
KLPP	GT15	153	153	153	153	153	153	153	153	153	153	153	117	117	80	80	80	80	110	110	132	152	113	113		
KLPP	ST17	139	135	137	137	137	137	138	139	136	135	137	119	99	95	96	96	95	119	140	135	136	132	124		
NPRJ	BLK1	299	298	298	298	297	298	299	298	300	299	298	299	298	299	299	296	298	257	196	115	311	551	556		
NPRJ	BLK2	370	360	214	115	114	114	115	113	113	114	113	115	112	113	113	112	0	0	0	0	0	0	0		
PAKA	GT1A	90	91	90	90	90	91	91	91	91	91	91	91	91	91	90	65	65	65	65	65	65	65	65		
PAKA	GT1B	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	65	65	65	65	65	65	65	65		
PAKA	ST1C	76	76	76	76	76	76	76	76	76	76	76	76	76	76	66	64	64	76	76	69	64	65			
PAKA	GT4A	95	94	95	95	95	94	94	95	95	95	95	94	95	95	95	95	95	95	93	93	93	92	92		
PAKA	GT4B	84	84	84	83	84	84	83	84	84	84	84	84	84	84	84	83	83	82	82	82	82	82	82		
PAKA	ST4C	92	92	92	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
PGLA	GT11	238	239	236	237	237	229	174	174	173	172	162	173	172	177	223	193	190	192	237	236	236	199	190		
PGLA	GT12	234	235	234	234	235	225	174	174	172	172	163	173	172	176	223	192	190	191	232	234	232	198	189		
PGLA	ST10	252	252	253	253	251	245	208	205	203	203	203	204	205	232	224	215	217	252	252	251	235	218	218		
PLPS	GT11	145	145	147	145	142	135	147	147	140	143	135	69	69	74	69	63	67	115	115	114	112	112	117		
PLPS	GT12	138	138	142	139	139	131	144	143	137	139	129	121	69	75	69	66	65	124	118	117	116	116	119		
PLPS	GT13	140	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18	213	213	143	144	142	140	145	144	142	143	142	123	98	102	98	91	95	131	134	134	133	201	204		
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	GT32	118	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGB3	GT33	107	110	111	112	112	112	112	112	111	111	111	111	111	112	112	113	113	112	112	116	116	116	116		
SGB3	ST34	143	131	65	65	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		
SGRI	GT11	140	143	139	142	112	109	70	70	63	63	58	65	63	73	64	62	64	64	108	110	108	109	109		
SGRI	GT12	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SGRI	GT13	138	138	137	137	111	100	64	64	63	63	62	62	61	61	64	64	63	64	107	107	106	106	107		
SGRI	ST14	203	149	152	149	131	132	101	96	94	93	92	93	95	97	93	92	93	94	133	136	197	193	194		
SGRI	GT21	114	114	113	112	113	108	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63		
SGRI	GT23	113	113	113	114	113	107	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63		

Daily MW Generation on Sunday

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
UPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4
Total Hydro		209	180	184	344	341	318	271	272	252	252	243	279	281	290	196	181	197	205	226	227	222	463	513	594
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	CUFG	19	18	20	19	19	21	18	20	19	19	19	20	20	20	21	20	19	19	19	20	19	18	18	17
PCUF	CUFK	27	29	30	30	28	28	27	27	29	27	27	29	29	29	27	29	28	28	28	26	24	25	22	23
Total Co-Gen		46	47	50	49	47	47	48	45	47	48	46	46	49	49	49	47	49	49	49	46	48	47	48	47
Total Gen		12616	12320	11908	11817	11612	11490	11258	11233	10980	11006	10997	10963	10852	10940	10827	10433	10448	10625	11086	11226	11677	12017	12081	12199
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		30	30	30	30	29	29	30	30	30	30	31	31	31	31	30	30	31	31	31	31	31	30	30	31
TIE-PLTG		-28	-21	-104	-34	-53	36	-93	-84	-67	-25	40	-64	-49	-54	-28	-41	36	-125	-26	15	-8	-9	39	-70
Interconnection		2	10	-74	-4	-23	65	-63	-54	-36	5	70	-34	-18	-23	3	-10	66	-95	4	47	22	20	69	-39
System Total		12614	12310	11982	11821	11635	11425	11351	11287	11016	11001	10837	10997	10870	10963	10824	10443	10382	10720	11002	11189	11655	11997	12012	12258
S.Rev ST-Coal		113	108	129	142	137	139	109	109	96	107	124	93	101	105	101	107	102	112	96	110	96	104	113	79
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
S.Rev CCGT-Gas		319	378	230	489	714	861	802	852	1082	1063	1144	1156	1225	1143	1199	1564	1576	1395	773	632	601	863	729	721
S.Rev ST-Gas		70	70	66	66	66	67	68	68	67	68	68	72	73	73	73	72	72	74	73	72	72	72	72	72
S.Rev Co-Gen		4	3	0	1	3	3	2	5	3	2	4	4	1	1	1	3	1	1	4	2	3	2	3	4
Syncon		878	878	878	727	727	727	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
Hydro		185	129	125	116	119	142	38	37	57	57	66	181	179	170	113	128	112	104	108	107	117	128	112	181
S.Reserve Total		1574	1571	1433	1546	1771	1944	1902	1954	2188	2180	2289	2238	2311	2224	2370	2758	2746	2667	1935	1809	1766	1911	1774	1802