

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,869 MW
Hydro	1,659 MW
Distillate	0 MW
Total TNB	6,908 MW
Total IPP	11,510 MW
Total Co-Gen	0 MW
Total System	18,988 MW

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	17,240 MW
TNB Generation	5,341 MW
IPP Generation	10,883 MW
Spinning Reserve	969 MW
Maximum Demand	16,192 MW
Net Energy	337,260 MWH
Load Factor	86.79 %

Gas Usage

Station	(mmscfd)
CBPS	13
GLGR	32
PAKA	45
PGPS	41
SRDG	50
TJGS	214
Total TNB	395

Alternate Fuel Usage

Station	(mmscfd)
SGB3	11
Total	11

Generation Mix

Type	MWh	Percentage
ST-Coal	32,198	9.55 %
Gas	51,138	15.16 %
Hydro	21,211	6.29 %
Total TNB	104,547	31.00 %
ST-Coal	112,992	33.50 %
Gas	118,161	35.04 %
Distillate	1,371	0.41 %
Total IPP	232,524	68.95 %
Co-Gen	1,200	0.36 %
Total Co-Gen	1,200	0.36 %
Total Generation	338,271	100.30 %
PLTG	283	0.08 %
HVDC	728	0.22 %
Interconnection	1,011	0.30 %
Net Energy	337,260	100.00 %

Fuel Cost

Total Cost:	52,829,803.00 RM
Cost per Unit	16.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	731
Hydro	215
Syncon	45
Thermal	52
Total	1,043

KLPP	104
MPSS	59
PDPS	13
PGLA	106
PLPS	106
PTEK	17
SGB3	84
SGRI	188
SKSP	43
YPGS	70
YPKA	137
Total IPP	929
Total Gas	1,324
Total Gas Required	1,335

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	13561	12923	12555	12155	11726	11647	11777	11810	12340	14018	14894	15674	15554	15198	15868	16031	16177	15617	14360	13949	15040	15107	14647	14237

Daily MW Generation on Wednesday

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	701	701	699	699	703	698	697	696	699	698	699	700	705	702	703	702	701	702	702	703	702	701	701	699	696	701	700	699																								
JMAH	U002	699	707	703	702	703	706	704	695	708	703	705	703	703	701	701	706	705	700	704	704	709	702	703	705	703	703	702	702	702	703	705	703	705	703	702	702	703	705	703	702	697	704	703	704								
JMJG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	98	243	340								
JMJG	U002	670	682	678	681	675	681	674	679	681	682	678	679	678	679	685	685	683	682	685	685	687	684	677	677	683	680	679	678	681	676	679	676	675	675	672	674	672	678	682	674	675	677	677	676	678	677	679					
JMJG	U003	616	645	637	642	636	641	640	644	643	633	643	640	639	645	644	675	644	672	669	662	672	668	669	670	671	670	675	672	668	667	671	672	360	494	554	651	676	676	674	675	678	673	675	673	676	677	673	678				
PKLG	U003	281	281	281	283	280	280	283	281	281	281	279	281	279	281	281	281	281	281	281	282	280	280	280	277	281	281	281	281	275	277	277	277	277	277	269	273	271	271	279	279	279	279	281									
PKLG	U005	466	466	466	469	469	469	469	469	469	469	469	469	469	466	469	466	469	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466	466						
PKLG	U006	464	470	467	467	470	467	467	470	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467					
TBIN	U001	696	699	698	697	697	700	698	699	699	699	700	698	697	696	698	696	697	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699			
TBIN	U002	695	697	695	698	696	693	696	693	701	701	697	697	693	700	696	694	700	695	699	697	696	697	702	699	698	693	701	696	698	695	690	697	694	695	697	700	697	699	699	696	699	697	696	694	698	696	696	694	694			
TBIN	U003	696	692	694	698	698	696	693	693	698	694	696	692	695	696	697	698	694	701	693	697	694	690	698	698	698	698	696	696	695	698	696	694	699	698	699	696	694	701	696	698	701	698	692	701	696	696	691					
Total ST-Coal		5984	6040	6020	6036	6023	6036	6022	6017	6046	6028	6028	6024	6017	6036	6038	6065	6039	6077	6059	6051	6067	6059	6084	6062	6062	6059	6080	6057	6055	6046	6047	6063	5733	5875	5947	6031	6048	6055	6060	6068	6058	6060	6058	6044	6061	6169	6297	6393				
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	0	0	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 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	0	
GLGR	GT02	108	108	108	108	108	106	109	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	107	107	106	106	108	107	107	107	107	109	108	109	108	108	108	108	108	108	108	108	109	108	108				
GLGR	ST1C	45	45	44	45	45	45	45	45	45	44	45	44	44	44	44	44	44	45	46	48	47	48	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47			
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT13	115	64	0	0	0	0	0	0	0	0	0	0	0	0	0	33	94	146	147	152	153	152	154	152	152	153	152	152	151	151	152	151	153	134	121	116	116	116	130	131	131	131	131	131	131	131	131	131	131	131	130	130
KLPP	GT14	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	138	138	148	148	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149		
KLPP	GT15	115	115	116	116	116	116	116	116	116	115	115	117	117	116	116	117	142	137	141	142	142	141	142	142	141	142	142	141	140	140	140	140	140	141	137	116	116	114	114	136	136	136	136	136	136	136	136	136	136	136		
KLPP	ST17	187	175	123	123	123	123	123	123	123	123	123	123	123	123	123	228	228	233	234	234	234	234	233	233	232	232	231	231	229	229	213	213	211	211	225	225	228	228	228	228	228	228	228	228	228	228	228	228	228			
MPSS	GT01	84	80	104	105	106	102	104	106	87	71	72	76	70	71	70	101	106	106	104	103	103	101	100	100	99	100	100	100	100	101	100	100	101	101	102	102	102	75	85	96	97	95	94	95	96	96	96	96	96	96		
MPSS	GT02	85	82	104	107	106	101	104	106	89	72	74	78	72	75	74	73	103	112	112	111	110	109	109	108	108	107	108	108	108	108	108	108	107	107	109	108	108	78	87	96	96	97	96	96	96	96	96	96	96	96	96	
MPSS	ST01	96	75	100	111	112	111	107	109	98	70	70	75	77	72	72	69	95	116	117	117	117	117	116	116	116	116	116	116	115	115	115	115	115	116	116	89	80	101	102	101	102	102	102	102	102	102	102	102	102	102		
PAKA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAKA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAKA	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAKA	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	0		
PAKA	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	0		
PAKA	ST2C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	GT11	230	238	238	220	226	224	226	226	175	174	169	189	165	215	168	169	175	196	197	173	175	209	215	164	170	171	164	182	229	232	179	216	229	176	192	179	198	158	207	228	201	209	216	208	160	234	202	159				
PGLA	GT12	235	239	242	225	229	228	230	230</																																												

