

### Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,867 MW
Hydro	1,602 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,549 MW</b>
<b>Total IPP</b>	<b>8,929 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>18,042 MW</b>

### 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:	20:00:00 Hour
Total Set On Bus	15,357 MW
TNB Generation	6,111 MW
IPP Generation	8,166 MW
Spinning Reserve	1,015 MW
Maximum Demand	14,382 MW
Net Energy	310,279 MWH
Load Factor	89.89 %

### Gas Usage

Station	(mmscfd)
CBPS	1
CBPS	11
GLGR	55
PAKA	51
PGPS	43
SRDG	54
TJGS	164
<b>Total TNB</b>	<b>380</b>
KLPP	108
PDPS	15
PGLA	118
PKLG	11
PLPS	103
PTEK	15
SGB3	95
SGRI	99
YPGS	69
YPKA	137
<b>Total IPP</b>	<b>770</b>
<b>Total Gas</b>	<b>1,150</b>
<b>Total Gas Required</b>	<b>1,150</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	68,139	21.96 %
Gas	47,706	15.38 %
Hydro	12,480	4.02 %
<b>Total TNB</b>	<b>128,325</b>	<b>41.36 %</b>
ST-Coal	80,162	25.84 %
Gas	98,911	31.88 %
<b>Total IPP</b>	<b>179,073</b>	<b>57.71 %</b>
Co-Gen	1,577	0.51 %
<b>Total Co-Gen</b>	<b>1,577</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>308,975</b>	<b>99.58 %</b>
PLTG	-603	-0.19 %
HVDC	-701	-0.23 %
<b>Interconnection</b>	<b>-1,304</b>	<b>-0.42 %</b>
<b>Net Energy</b>	<b>310,279</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	44,544,187.51 RM
Cost per Unit	15.02 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	487
Hydro	323
Syncon	418
Thermal	42
<b>Total</b>	<b>1,270</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### 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	13060	12582	12089	11615	11416	11297	11295	11119	11127	12236	13170	13810	13765	13613	13768	14008	13901	13567	13205	13367	14382	14209	13819	13627

## 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																												
JMAH	U001	703	692	692	697	698	695	697	695	697	694	696	692	695	693	696	691	699	695	699	697	694	697	700	709	702	702	694	699	698	702	686	699	699	698	697	695	692	691	697	695	696	699	699									
JMAH	U002	501	503	501	503	505	504	504	502	506	504	503	345	280	218	211	215	213	212	219	171	206	211	224	221	222	226	229	233	228	234	230	232	232	225	217	219	218	217	219	219	217	221	219	212	210	218	215	210				
JMJG	U001	683	694	678	689	682	573	544	549	616	688	697	683	684	685	682	696	701	683	683	672	678	693	676	678	675	675	677	673	679	683	679	674	677	677	674	681	677	673	677	679	678	680	676	677	679	688	677	688				
JMJG	U002	675	685	678	677	673	674	676	675	671	677	683	677	676	678	673	660	689	674	674	677	678	688	674	676	676	673	677	671	678	679	677	670	675	679	672	679	677	675	677	685	678	676	675	670	677	686	677	683				
JMJG	U003	636	647	635	634	639	641	640	644	639	639	649	643	645	644	632	635	649	637	675	671	677	688	680	676	677	673	679	671	676	674	673	677	676	677	674	674	676	673	678	677	675	674	671	673	673	683	676	675				
JMJG	U004	859	859	861	863	837	808	779	763	765	761	763	763	762	763	763	765	763	764	763	763	783	813	843	861	862	861	858	862	861	861	860	862	861	859	861	859	861	861	859	861	858	860	862	862	861	859	860	860				
PKLG	U003	277	279	280	285	283	272	281	275	280	282	281	277	289	281	285	277	280	276	285	273	277	283	276	282	284	284	285	285	285	279	275	279	283	280	291	275	280	280	283	279	279	283	281	280	284	280	281	279				
PKLG	U004	280	280	280	279	279	279	277	279	277	279	279	283	281	279	279	281	281	281	281	281	281	281	281	280	279	275	278	278	278	280	282	280	282	280	279	279	279	278	278	280	278	276	276	276	277	277	279					
PKLG	U005	464	464	467	464	464	467	467	467	467	464	464	464	464	464	467	467	470	464	464	464	467	467	467	465	463	466	464	464	464	464	465	464	464	464	464	466	464	468	464	464	464	464	464	464	464	464	464	463				
TBDN	U002	700	700	699	700	698	698	700	698	698	699	700	696	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700				
TBDN	U003	633	632	628	629	637	632	631	630	630	636	631	632	633	630	630	635	629	633	635	629	631	632	631	632	632	632	632	630	634	631	631	633	630	630	630	633	632	631	632	631	633	629	629	634	630	631	632	630				
Total ST-Coal		6411	6435	6399	6420	6394	6246	6194	6179	6244	6326	6344	6159	6106	6037	6012	6025	6063	6029	6072	6000	6077	6150	6151	6170	6167	6159	6174	6171	6189	6188	6175	6162	6177	6171	6168	6150	6162	6156	6164	6170	6157	6157	6144	6145	6149	6182	6158	6166				
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			
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		
CBPS	GT1A	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1B	88	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST1C	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	107	107	106	108	107	107	92	67	69	68	67	68	70	68	68	67	68	101	109	107	107	109	107	109	107	108	104	107	107	106	107	107	106	107	108	106	107	108	107	106	107	107	106	107	107	107	106	106				
GLGR	GT02	107	107	107	107	107	91	67	68	68	68	68	68	68	68	102	107	107	106	107	107	107	107	107	107	106	107	106	106	106	106	106	106	107	107	107	107	107	107	107	107	106	107	107	107	107	107	107	106				
GLGR	ST1C	97	97	96	96	96	97	89	72	71	71	71	71	70	71	87	96	96	97	97	97	97	97	98	98	98	98	98	98	98	98	98	98	98	97	98	97	98	97	97	97	97	97	97	97	97	97	97	97				
KLPP	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	17	17	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
KLPP	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	11	11	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
KLPP	GT13	127	126	128	127	127	128	128	100	100	99	100	127	127	127	126	87	86	124	126	127	126	130	129	128	129	129	128	128	132	132	134	134	136	136	137	138	139	138	138	136	136	136	136	136	135	136	138	140	145			
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	90	149	149	149	149	149	149	149	149	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150		
KLPP	GT15	143	143	143	143	144	148	137	114	114	114	114	138	140	146	145	109	77	143	143	143	144	144	142	143	144	143	144	144	144	143	143	143	143	144	144	144	144	144	145	145	145	145	145	145	145	145	145	144	144			
KLPP	ST17	137	137	136	136	138	138	136	124	125	125	124	140	138	138	136	119	105	200	207	186	226	230	232	232	228	228	229	230	231	231	230	230	232	232	230	232	232	230	231	231	232	232	232	232	229	229	228	228	228			
PAKA	GT1A	89	89	90	67	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	90	90	90	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	75	75	76	66	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT3A	85	85	85	66	65	66	64	64	66	64	65	64	67	66	65	65	65	65	65	65	65	65	65	65	83	83	84	82	84	83	83	83	83	82	81	81	81	81	81	81	81	81	82	82	83	83	83	83	83	86	86	
PAKA	GT3B	87	87	87	65	65	65	64	64	65	64	65	64	66	65	66	65	65	65	65	65	65	65	65	64	66	86	85	84	84	83	84	83	82	82	82	84	82	83	82	77	80	79	79	79	80	80	80	80	80	80	80	80
PAKA	ST3C	86	87	87	77	76	76	76	76	76	76	76	76	76	76	76	76	76	76	87	87	87	87	87	87	87	88	88	87	87	87	87																					



### 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																											
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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
SYPS	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												
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
TMGR	HY01	73	83	73	35	30	31	31	32	30	28	39	35	31	34	28	40	40	36	29	31	31	35	56	58	55	53	62	57	64	64	64	35	32	35	0	0	0	0	0	0											
TMGR	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											
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	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2												
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4												
Total Hydro		539	461	405	367	343	251	245	248	246	262	295	282	250	268	282	260	260	256	226	363	416	426	737	735	729	721	658	659	673	777	787	745	711	714	553	489	457	454	542	724	874	750	753	761	757	669	663	709			
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	0
PCUF	CUFG	40	38	38	39	39	38	38	37	40	39	39	40	40	39	42	40	41	38	38	36	34	33	35	35	35	35	35	34	35	34	34	35	36	34	40	40	39	39	40	40	40	41	40	40	40	40	40				
PCUF	CUFK	28	28	29	29	29	29	27	30	31	30	30	29	30	29	28	29	28	30	28	29	28	27	26	24	26	27	27	25	25	25	26	24	27	29	26	26	28	27	26	25	25	30	29	31	29	31	29	31			
Total Co-Gen		68	66	67	68	68	65	68	68	70	69	69	69	69	68	66	65	62	60	61	59	61	62	62	59	58	59	60	59	63	63	66	66	67	66	65	65	65	65	70	70	71	69	71	69	71	69	71				
Total Gen		13056	12761	12556	12277	12072	11825	11569	11402	11329	11308	11171	11151	11191	11198	11135	10902	11075	11668	12168	12669	13118	13497	13779	13793	13705	13604	13531	13639	13748	13931	13937	13893	13829	13791	13501	13297	13145	13053	13315	13995	14342	14205	14153	14050	13776	13723	13544	13399			
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		-28	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-30	-31	-28	-28	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		24	-61	3	-46	12	-47	-18	6	-58	12	-97	-16	-74	-37	45	-34	-23	18	-38	43	-24	-59	-1	-36	-31	27	-53	25	9	-16	-42	-18	-44	0	-55	-53	-32	9	-22	-79	-12	-22	-27	16	-14	-99	-54	-136			
Interconnection		-4	-90	-26	-76	-17	-75	-46	-24	-87	-18	-126	-46	-104	-66	16	-64	-52	-12	-68	14	-52	-89	-31	-65	-60	-3	-82	-4	-20	-45	-71	-47	-72	-29	-66	-81	-60	-21	-52	-108	-40	-51	-56	-13	-43	-128	-83	-164			
System Total		13060	12851	12582	12353	12089	11900	11615	11426	11416	11326	11297	11197	11295	11264	11119	10966	11127	11680	12236	12655	13170	13586	13810	13858	13765	13607	13613	13643	13768	13976	14008	13940	13901	13820	13667	13378	13205	13074	13367	14103	14362	14256	14209	14063	13819	13851	13627	13563			
SRev ST-Coal		74	50	86	65	91	191	214	234	236	159	141	221	209	216	234	170	132	166	163	77	108	45	24	15	18	26	11	14	-4	-3	10	43	28	34	37	55	43	49	41	35	48	48	61	60	56	23	47	109			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	72	152	164	83	170	213	260	262	262	247	250	239	209	216	142	168	58	57	57	54	115	58	218	218	178	219	133	37	133	37	37	37
SRev CCGT-Gas		457	182	200	255	323	166	361	519	655	776	963	785	660	603	654	876	887	856	598	330	424	145	373	455	448	488	468	357	280	212	199	200	276	303	289	285	407	491	326	270	216	286	168	182	269	127	135	105			
SRev 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	
SRev Co-Gen		-24	-22	-23	-24	-24	-24	-21	-24	-24	-26	-25	-25	-25	-26	-25	-23	-26	-25	-25	-24	-22	-21	-18	-16	-17	-15	-17	-18	-18	-15	-14	-15	-16	-15	-19	-19	-22	-22	-23	-22	-21	-21	-21	-26	-26	-27	-25	-27			
Syncon		273	575	575	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726			
Hydro		370	146	202	89	113	105	111	108	110	245	61	74	106	88	376	57	57	212	242	155	404	394	393	395	401	409	472	471	457	353	343	385	419	416	190	104	136	139	326	143	183	156	153	145	149	112	118	223			
S.Reserve Total		1150	931	1040	1111	1229	1164	1391	1563	1703	1729	1866	1781	1676	1607	1663	1806	1776	1784	1553	1174	1309	1038	1259	1255	1343	1444	1517	1409	1300	1117	1111	1175	1239	1277	1264	1218	1247	1339	1201	1105	1015	1152	1204	1204	1251	1104	1033	921			