

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,210 MW
Hydro	1,690 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,970 MW</b>
<b>Total IPP</b>	<b>9,149 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,683 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,529	15.52 %
Gas	73,375	23.96 %
Hydro	11,461	3.74 %
<b>Total TNB</b>	<b>132,365</b>	<b>43.23 %</b>
ST-Coal	90,625	29.60 %
Gas	82,293	26.88 %
<b>Total IPP</b>	<b>172,918</b>	<b>56.47 %</b>
Co-Gen	1,467	0.48 %
<b>Total Co-Gen</b>	<b>1,467</b>	<b>0.48 %</b>
<b>Total Generation</b>	<b>306,750</b>	<b>100.18 %</b>
PLTG	-166	-0.05 %
HVDC	729	0.24 %
<b>Interconnection</b>	<b>563</b>	<b>0.18 %</b>
<b>Net Energy</b>	<b>306,187</b>	<b>100.00 %</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	15,038 MW
TNB Generation	6,361 MW
IPP Generation	7,626 MW
Spinning Reserve	989 MW
Maximum Demand	13,997 MW
Net Energy	306,187 MWH
Load Factor	91.15 %

**Fuel Cost**

Total Cost:	44,881,616.64 RM
Cost per Unit	15.20 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	210
Hydro	228
Syncon	607
Thermal	55
<b>Total</b>	<b>1,100</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

**Gas Usage**

Station	(mmscfd)
CBPS	3
CBPS	58
GLGR	55
PAKA	141
PGPS	50
SRDG	34
TJGS	220
<b>Total TNB</b>	<b>562</b>
KLPP	105
MPSS	60
PDPS	3
PGLA	58
PLPS	38
SGB3	94
SGRI	72
YPGS	70
YPKA	136
<b>Total IPP</b>	<b>637</b>
<b>Total Gas</b>	<b>1,198</b>
<b>Total Gas Required</b>	<b>1,198</b>

**Alternate Fuel Usage**

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

**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	13334	12684	12218	11743	11423	11354	11325	11175	11025	12044	12999	13551	13613	13332	13632	13676	13629	13368	12856	12965	13997	13813	13365	13122





### 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
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	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
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	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		235	209	238	238	196	237	209	259	187	223	210	218	282	266	288	243	249	249	275	368	422	609	728	854
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	42	42	43	42	42	44	42	42	42	44	44	43	45	46	46	48	47	47	46	45	44	43	43	42
PCUF	CUFK	27	26	26	26	26	27	28	25	25	25	26	25	27	25	25	4	5	5	6	4	4	3	5	3
Total Co-Gen		69	68	69	68	68	71	70	69	67	67	68	69	71	68	70	50	51	53	53	51	50	48	49	46
Total Gen		13302	13025	12710	12460	12284	11988	11770	11621	11443	11416	11404	11345	11402	11234	11178	10964	11037	11580	12068	12554	13001	13260	13597	13767
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		31	31	31	31	29	29	31	31	31	31	31	31	30	30	31	31	31	30	30	30	30	31	31	30
TIE-PLTG		-62	-9	-5	-46	36	-18	-4	-66	-11	-53	19	-24	48	1	-27	18	-19	3	-7	-41	-28	-78	-74	-59
Interconnection		-32	21	26	-16	66	11	27	-35	20	-22	50	7	77	31	3	48	12	33	24	-10	2	-47	-44	-29
System Total		13334	13004	12684	12476	12218	11977	11743	11656	11423	11438	11354	11338	11328	11203	11175	10916	11028	11547	12044	12564	12999	13307	13651	13796
SRev ST-Coal		19	45	24	7	45	86	88	56	97	61	3	31	36	71	98	168	218	33	66	51	61	51	57	36
SRev 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
SRev CCGT-Gas		266	73	349	385	351	502	668	908	1130	1229	1287	1286	1303	1473	1463	1515	1499	1143	934	554	150	86	76	82
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
SRev Co-Gen		-25	-24	-25	-24	-24	-27	-26	-25	-23	-23	-24	-25	-27	-24	-26	-6	-7	-9	-9	-7	-6	-4	-5	-2
Syncon		726	726	726	726	726	726	575	726	726	575	726	726	575	726	726	726	726	726	726	726	575	474	625	625
Hydro		67	93	64	64	106	65	93	194	115	79	243	84	120	287	114	159	153	153	127	134	155	382	403	126
S.Reserve Total		1153	913	1138	1158	1204	1352	1549	1708	2045	2072	2084	2102	2158	2382	2375	2562	2589	2046	1844	1458	1086	1090	1085	868