

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,047 MW
Hydro	1,708 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,825 MW</b>
<b>Total IPP</b>	<b>9,561 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,956 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,067	17.10 %
Gas	51,042	18.54 %
Hydro	8,644	3.14 %
<b>Total TNB</b>	<b>106,753</b>	<b>38.78 %</b>
ST-Coal	82,147	29.84 %
Gas	84,566	30.72 %
<b>Total IPP</b>	<b>166,713</b>	<b>60.56 %</b>
Co-Gen	1,902	0.69 %
<b>Total Co-Gen</b>	<b>1,902</b>	<b>0.69 %</b>
<b>Total Generation</b>	<b>275,368</b>	<b>100.03 %</b>
PLTG	-657	-0.24 %
HVDC	727	0.26 %
<b>Interconnection</b>	<b>70</b>	<b>0.03 %</b>
<b>Net Energy</b>	<b>275,298</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:	20:30:00 Hour
Total Set On Bus	14,110 MW
TNB Generation	5,095 MW
IPP Generation	7,882 MW
Spinning Reserve	1,053 MW
Maximum Demand	13,097 MW
Net Energy	275,298 MWH
Load Factor	87.58 %

**Fuel Cost**

Total Cost:	34,053,510.83 RM
Cost per Unit	12.76 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	343
Hydro	146
Syncon	663
Thermal	116
<b>Total</b>	<b>1,268</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	25

**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	12902	12240	11880	11225	11088	10748	10681	10171	9516	9814	10472	11000	11227	11291	11270	11570	11662	11617	11460	11726	12972	13002	12872	12618

**Gas Usage**

Station	(mmscfd)
GLGR	58
PAKA	51
PGPS	32
SRDG	8
TJGS	223
<b>Total TNB</b>	<b>372</b>
KLPP	93
MPSS	32
PDPS	2
PGLA	116
PLPS	89
SGB3	49
SGRI	193
SKSP	54
YPKA	33
<b>Total IPP</b>	<b>660</b>
<b>Total Gas</b>	<b>1,032</b>
<b>Total Gas Required</b>	<b>1,032</b>

**Alternate Fuel Usage**

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





### Daily MW Generation on Friday

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																									
PCUF	CUGF	50	51	51	52	50	53	49	50	51	51	52	51	52	50	50	49	46	46	48	47	48	47	48	47	48	47	48	49	52	51	51	51	50	53	53	52	52	52	52										
PCUF	CUFK	29	32	28	30	31	30	28	30	30	32	30	29	29	31	30	30	30	29	29	29	29	28	29	29	28	28	27	28	27	27	27	27	27	29	30	27	30	29	30	29	30	29	32	29	28	29	28		
Total Co-Gen		79	83	79	82	81	83	77	80	81	83	82	80	79	83	81	83	81	80	81	81	79	79	78	78	75	74	78	75	75	75	75	74	73	75	75	78	76	82	80	81	80	80	82	85	81	80	81	80	
Total Gen		12884	12513	12231	11933	11816	11563	11324	11092	11087	10999	10805	10740	10632	10702	10180	9707	9567	9645	9838	10089	10501	10845	11007	11136	11222	11224	11273	11271	11291	11503	11535	11647	11604	11697	11617	11563	11498	11428	11730	12738	12948	13087	13024	12891	12870	12749	12671	12609	
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	
TIE-HVDC		31	31	30	30	30	30	30	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31			
TIE-PLTG		-49	31	-39	-10	-94	-30	69	-64	-31	-72	27	-50	-79	-30	-22	4	20	-13	-6	-39	-2	-3	-24	-21	-35	-30	-48	-57	-9	8	-66	-67	-88	-23	-30	-6	8	19	-26	-26	-54	-71	-8	-60	-32	-72	23	-36	
Interconnection		-18	62	-9	20	-64	0	99	-34	-1	-41	57	-20	-49	1	9	34	51	17	24	-8	29	28	7	9	-5	0	-18	-27	21	39	-35	-36	-58	8	0	23	38	49	4	4	-24	-41	22	-30	-2	-41	53	-5	
System Total		12902	12451	12240	11913	11880	11563	11225	11126	11088	11040	10748	10760	10681	10701	10171	9673	9516	9628	9814	10097	10472	10817	11000	11127	11227	11224	11291	11298	11270	11464	11570	11683	11662	11689	11617	11540	11460	11379	11726	12734	12972	13098	13003	12921	12872	12790	12618	12614	
SRev ST-Coal		31	41	35	83	18	62	56	160	280	470	515	516	512	506	558	569	579	583	560	561	314	207	24	44	7	3	-23	33	45	32	17	68	47	19	34	42	18	22	29	42	71	34	44	37	52	25	32	38	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	107	112	108	110	68	67	0	
SRev CCGT-Gas		339	539	366	270	203	294	347	241	183	160	196	247	251	190	576	831	976	910	855	613	557	369	382	212	193	197	182	264	251	227	382	246	229	357	281	328	328	888	774	255	266	204	150	162	138	110	166	113	
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
SRev Co-Gen		-3	-7	-3	-6	-5	-7	-1	-4	-5	-7	-6	-4	-3	-7	-5	-7	-7	-5	-4	-5	-3	-3	-2	-2	1	2	-2	1	1	1	1	2	3	1	1	-2	0	-6	-4	-5	-4	-4	-6	-9	-5	-4	-5	-4	
Syncon		627	476	627	627	627	627	728	728	728	577	728	829	829	678	829	829	829	728	728	728	577	577	728	728	728	728	728	728	728	577	577	728	728	728	728	728	728	728	577	540	540	540	627	577	728	728	728		
Hydro		62	189	58	64	62	67	73	64	67	64	197	66	67	68	238	129	133	127	126	119	125	227	244	114	81	78	74	75	124	250	218	72	69	47	113	110	107	126	230	134	140	167	159	249	117	75	122	120	
S.Reserve Total		1056	1238	1083	1038	905	1043	1102	1189	1253	1415	1479	1553	1656	1586	2045	2351	2510	2444	2265	2016	1721	1377	1225	1096	1010	1008	959	1101	1149	1087	1195	1116	1081	1157	1162	1211	1186	1763	1611	971	1038	1053	1086	1124	1140	1002	1110	995	