

#### Availability at Daily Maximum Demand Hour

ST-Coal	2,300 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,818 MW
Hydro	1,968 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,086 MW</b>
<b>Total IPP</b>	<b>10,435 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>19,091 MW</b>

#### Generation Mix

Type	MWh	Percentage
ST-Coal	50,491	15.24 %
Gas	61,793	18.65 %
Hydro	10,932	3.30 %
<b>Total TNB</b>	<b>123,216</b>	<b>37.19 %</b>
ST-Coal	118,898	35.88 %
Gas	86,225	26.02 %
<b>Total IPP</b>	<b>205,123</b>	<b>61.91 %</b>
Co-Gen	1,805	0.54 %
<b>Total Co-Gen</b>	<b>1,805</b>	<b>0.54 %</b>
<b>Total Generation</b>	<b>330,144</b>	<b>99.64 %</b>
PLTG	-491	-0.15 %
HVDC	-698	-0.21 %
<b>Interconnection</b>	<b>-1,189</b>	<b>-0.36 %</b>
<b>Net Energy</b>	<b>331,333</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:	15:00:00 Hour
Total Set On Bus	17,170 MW
TNB Generation	6,272 MW
IPP Generation	9,701 MW
Spinning Reserve	1,122 MW
Maximum Demand	16,117 MW
Net Energy	331,333 MWH
Load Factor	85.66 %

#### Fuel Cost

Total Cost:	45,285,679.75 RM
Cost per Unit	14.19 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	413
Hydro	458
Syncon	500
Thermal	91
<b>Total</b>	<b>1,462</b>

Time	Weather	Temperature
Afternoon	Rainy	29
Morning	Sunny	27

#### 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	13133	12553	12166	11751	11588	11344	11512	11579	12213	14020	14893	15539	15547	15232	15827	16117	15654	15263	14423	14525	14695	14468	13840	13424

#### Gas Usage

Station	(mmscfd)
CBPS	16
CBPS	55
GLGR	54
NPRI	13
PAKA	94
PGGS	9
SRDG	27
TJGS	204
<b>Total TNB</b>	<b>474</b>

KLPP	100
MPSS	51
PDPS	29
PGLA	57
PKLG	25
PLPS	84
PTEK	26
SGB3	79
SGRI	192
SKSP	54
<b>Total IPP</b>	<b>696</b>
<b>Total Gas</b>	<b>1,170</b>

**Total Gas Required 1,170**

#### Alternate Fuel Usage

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



Daily MW Generation on Thursday

Table with columns: 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. Rows include JMAH, JMJC, PKLG, TBN, Total ST-Coal, Total ST-Oil, Total ST-Gas, and various power plant units like CBPS, GLGR, KLPP, MPSS, PAKA, PLPS, SGB3.



Daily MW Generation on Thursday

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
LPIA	HY02	19	21	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	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
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	110	88	82	25	17	21	21	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	49	49	49	49	49	49	49	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	51	51	51
SYPS	HY01	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16
SYPS	HY04	25	25	25	15	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	27	25	27	30	29	35	35	37	26	24	34	36	39	35	32	32	35	35	31	32	29	32	56	56
TMGR	HY02	-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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPLA	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
Total Hydro		238	233	233	249	211	223	245	228	228	212	233	275	280	281	276	273	346	356	465	508	651	681	822	845
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	51	51	52	50	51	50	51	50	50	51	51	51	51	51	50	48	49	49	49	49	49	50	50	51
PCUF	CUFK	25	25	25	26	24	24	27	25	25	24	25	25	26	25	26	24	24	25	25	25	24	24	24	25
Total Co-Gen		76	76	77	76	75	74	78	75	75	74	76	76	76	77	74	72	74	74	75	74	74	74	74	75
Total Gen		13099	12719	12524	12229	12147	11820	11664	11535	11560	11457	11329	11339	11425	11573	11562	11669	12167	13281	13968	14497	14863	15225	15521	15688
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-5	21	0	72	9	-18	-58	-24	0	63	15	-60	-58	-29	12	-26	-18	-95	-23	-12	-1	-86	12	
Interconnection		-34	-8	-29	43	-19	-46	-87	-53	-28	34	-15	-89	-87	-58	-17	-55	-46	-124	-52	-41	-30	-115	-18	
System Total		13133	12727	12553	12186	12166	11866	11751	11588	11588	11423	11344	11428	11512	11631	11579	11724	12213	13405	14020	14538	14893	15340	15539	15699
SRev ST-Coal		12	56	85	98	120	128	95	102	115	133	76	56	51	12	75	51	28	9	102	164	164	155	76	82
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		238	519	541	838	801	831	1046	1146	1168	1236	1444	1496	1420	1312	1256	1169	1150	572	775	421	437	346	335	307
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		-76	-76	-77	-76	-75	-74	-78	-75	-75	-74	-76	-76	-76	-77	-76	-76	-77	-74	-72	-74	-74	-74	-75	-74
Syncon		838	838	838	687	838	838	687	838	838	838	838	838	838	827	525	525	374	374	374	374	288	187	435	687
Hydro		133	163	168	303	165	153	282	148	299	188	167	151	146	145	150	154	383	373	565	572	579	611	536	634
S.Reserve Total		1145	1500	1555	1850	1849	1876	2032	2161	2194	2321	2449	2465	2379	2231	2242	2125	2010	1402	1738	1456	1575	1485	1208	1157