

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,084 MW
Hydro	1,697 MW
Distillate	0 MW
Total TNB	6,811 MW
Total IPP	11,778 MW
Total Co-Gen	0 MW
Total System	18,589 MW

**Generation Mix**

Type	MWh	Percentage
ST-Coal	47,777	14.41 %
Gas	48,420	14.61 %
Hydro	8,814	2.66 %
<b>Total TNB</b>	<b>105,011</b>	<b>31.68 %</b>
ST-Coal	114,808	34.64 %
ST-Gas	2,167	0.65 %
Gas	107,810	32.53 %
<b>Total IPP</b>	<b>224,785</b>	<b>67.82 %</b>
Co-Gen	1,692	0.51 %
<b>Total Co-Gen</b>	<b>1,692</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>331,488</b>	<b>100.01 %</b>
PLTG	733	0.22 %
HVDC	-700	-0.21 %
Interconnection	33	0.01 %
<b>Net Energy</b>	<b>331,455</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:	16:00:00 Hour
Total Set On Bus	16,738 MW
TNB Generation	4,895 MW
IPP Generation	10,689 MW
Spinning Reserve	1,088 MW
Maximum Demand	15,649 MW
Net Energy	331,455 MWH
Load Factor	88.25 %

**Fuel Cost**

Total Cost:	52,849,414.53 RM
Cost per Unit	16.37 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	246
Hydro	125
Syncon	542
Thermal	31
<b>Total</b>	<b>944</b>

**Time Weather Temperature**

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

**Gas Usage**

Station	(mmscfd)
CBPS	13
CBPS	27
GLGR	57
PAKA	94
PGPS	43
SRDG	51
TJGS	110
<b>Total TNB</b>	<b>396</b>

KLPP	107
MPSS	58
PDPS	29
PGLA	110
PKLG	15
PLPS	106
PTEK	16
SGRI	195
SKSP	40
YPGS	52
YPKA	134
PKLG	22
<b>Total IPP</b>	<b>884</b>
<b>Total Gas</b>	<b>1,280</b>

**Total Gas Required 1,280**

**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	13323	12901	12384	11910	11751	11691	11726	11599	12003	13580	14594	15405	15306	14844	15085	15566	15650	15229	14367	14100	15018	14775	14361	14032





### 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
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
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
SYPS	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
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
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	30	33	34	32	30	32	29	31	31	28	29	25	33	32	25	30	36	31	35	33	27	36	84	84
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
TMGR	HY04	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	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
UPIA	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
Total Hydro		169	318	410	407	405	407	417	423	406	398	359	352	369	370	373	367	377	400	306	435	303	457	964	844
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	38	38	37	37	39	38	39	40	38	40	40	42	43	42	42	41	42	42	39	39	42	41	40	40
PCUF	CUFK	31	29	31	30	34	34	34	37	35	33	33	34	32	34	34	33	32	30	30	29	25	25	26	27
Total Co-Gen		69	67	68	67	73	72	73	77	73	73	76	75	76	76	77	76	76	72	71	72	71	70	69	65
Total Gen		13031	12913	12646	12415	12227	12014	11824	11693	11587	11549	11506	11472	11562	11644	11530	11536	11756	12664	13273	14079	14277	14638	15414	15418
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		-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-30	-30	-30	-30	-28	-28	-29	-29	-28	-28	-30	-30	
TIE-PLTG		19	31	25	24	16	21	90	-29	11	56	-10	103	10	8	107	62	-17	19	4	132	-5	53	38	
Interconnection		-9	3	-4	-5	-13	-8	61	-59	-18	27	-39	75	-19	-22	78	34	-46	-11	-26	102	-34	25	10	
System Total		13323	13193	12901	12585	12385	12168	11909	11898	11751	11668	11691	11543	11727	11812	11598	11648	12003	12944	13580	14260	14594	14897	15404	15441
SRev ST-Coal		46	33	48	35	31	37	45	25	43	30	33	51	19	96	30	39	27	48	31	49	56	42	34	37
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	218	148	162	199	127	90
SRev CCGT-Gas		461	185	320	415	611	819	1012	1173	1240	1283	1284	1296	1254	1012	1140	1120	1436	1055	636	115	125	106	133	127
SRev ST-Gas		-1	-1	31	38	37	37	37	37	37	37	37	37	37	37	40	13	1	-1	-1	-2	0	0	0	0
SRev Co-Gen		7	9	8	9	3	4	3	-1	3	3	3	0	1	0	0	-1	0	0	4	5	4	5	6	7
Syncon		723	622	622	622	622	471	471	622	622	622	622	471	622	622	622	723	486	572	572	320	471	471	622	723
Hydro		137	189	97	100	102	100	241	235	101	109	148	155	138	137	285	140	130	107	100	208	154	175	251	220
S.Reserve Total		1373	1037	1126	1219	1406	1619	1809	1940	2046	2084	2127	2161	2071	1904	1963	1957	2255	1845	1495	1031	1128	1046	906	1061