

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,759 MW
Hydro	1,740 MW
Distillate	0 MW
Total TNB	7,569 MW
Total IPP	9,856 MW
Total Co-Gen	0 MW
Total System	17,425 MW

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,954	15.98 %
Gas	63,003	20.57 %
Hydro	17,847	5.83 %
<b>Total TNB</b>	<b>129,804</b>	<b>42.38 %</b>
ST-Coal	72,699	23.74 %
ST-Gas	1,668	0.54 %
ST-Oil	3,541	1.16 %
Gas	97,318	31.77 %
<b>Total IPP</b>	<b>175,226</b>	<b>57.21 %</b>
Co-Gen	638	0.21 %
<b>Total Co-Gen</b>	<b>638</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>305,668</b>	<b>99.80 %</b>
PLTG	133	0.04 %
HVDC	-744	-0.24 %
<b>Interconnection</b>	<b>-611</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>306,279</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:	22:00:00 Hour
Total Set On Bus	15,314 MW
TNB Generation	6,123 MW
IPP Generation	8,248 MW
Spinning Reserve	911 MW
Maximum Demand	14,396 MW
Net Energy	306,279 MWH
Load Factor	88.64 %

**Fuel Cost**

Total Cost:	48,286,844.93 RM
Cost per Unit	16.77 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	265
Hydro	123
Syncon	414
Thermal	13
<b>Total</b>	<b>815</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

**Gas Usage**

Station	(mmscfd)
CBPS	8
CBPS	28
GLGR	32
PAKA	197
PGGS	3
PGPS	40
SRDG	15
TJGS	167
<b>Total TNB</b>	<b>489</b>

KLPP	102
MPSS	53
PDPS	11
PGLA	58
PKLG	1
PLPS	100
PTEK	9
SGB3	56
SGRI	196
SKSP	30
YPGS	62
YPKA	91
PKLG	17
<b>Total IPP</b>	<b>786</b>
<b>Total Gas</b>	<b>1,276</b>

**Total Gas Required 1,310**

**Alternate Fuel Usage**

Station	(mmscfd)
PKLG	34
<b>Total</b>	<b>34</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	14103	13504	12982	12504	12185	12114	12001	11281	10780	11270	11862	12584	12610	12604	12914	13088	13036	12854	12742	12830	13680	14336	14396	14273





### Daily MW Generation on Sunday

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
KNYR	HY02	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY03	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY04	77	87	97	63	72	97	97	72	75	82	64	79	97	63	65	66	71	68	70	97	78	92	97	65
LPJA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	10	10	10	10	10	10	10	10	10
MNOR	HY01	7	7	7	7	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	111	111	80	80	80	81	131	112	112	111	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	112	112	80	80	80	81	130	112	112	112	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	30	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	
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	
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	
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	
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	
TMGR	HY01	83	83	84	84	84	84	83	84	84	83	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	87	88	87	87	87	88	88	88	88	88	38	41	35	38	36	38	40	0	0	0	0	0	0	
TMGR	HY03	81	75	38	33	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	64	59	64	59	62	63	66	60	60	60	37	39	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	0	0	0	0	0	0	0	0	
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	
Total Hydro		1209	1149	1064	1020	1030	1024	1126	1057	1061	1067	987	611	633	590	557	359	402	402	366	281	398	526	509	
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	
PCUF	CUFG	5	6	5	5	5	6	7	7	7	6	6	5	5	4	6	7	7	5	6	6	5	4	3	
PCUF	CUFK	23	21	22	23	23	23	23	23	25	25	24	22	23	22	22	21	23	22	20	21	20	21	20	
Total Co-Gen		28	27	27	28	28	29	30	30	30	31	29	27	28	26	28	29	28	30	27	26	28	26	24	
Total Gen		14051	13608	13414	13106	12982	12691	12464	12330	12210	12232	12084	11842	11937	11555	11267	10673	10763	10998	11226	11595	11834	12157		
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	
TIE-HVDC		-58	-58	-58	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		6	-14	-32	3	0	-55	-11	6	55	-12	-1	-27	-35	17	16	0	12	11	-15	-28	1	-10		
Interconnection		-52	-73	-90	-26	-30	-84	-40	-23	25	-41	-30	-56	-64	-13	-14	-29	-17	-18	-44	-57	-28	-39		
System Total		14103	13681	13504	13132	12982	12775	12504	12353	12185	12273	12114	11898	12001	11568	11281	10702	10780	11016	11270	11562	11862	12196		
SRev ST-Coal		1	40	-11	50	48	-27	1	30	46	34	50	26	4	30	20	38	34	20	69	34	36	74		
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev OCGT-Gas		42	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		548	515	395	629	303	505	570	196	298	295	349	237	184	497	768	1148	1106	885	589	544	431	514		
SRev ST-Gas		30	30	30	32	33	34	36	37	37	37	37	37	37	37	38	38	38	37	39	31	-1	-2		
SRev Co-Gen		16	17	17	16	16	15	14	14	14	13	13	15	17	16	15	16	14	17	18	16	18	20		
Syncon		151	151	151	151	151	151	151	151	151	151	151	539	539	539	625	726	726	726	726	726	625	474		
Hydro		183	143	228	272	262	183	81	150	146	140	220	130	108	151	98	95	137	137	88	118	102	225		
S.Reserve Total		971	941	810	1150	813	946	938	663	777	755	820	984	889	1270	1567	2061	2056	1821	1525	1477	1218	1337		