

#### Availability at Daily Maximum Demand Hour

ST-Coal	2,830 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,560 MW
Hydro	1,934 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,324 MW</b>
<b>Total IPP</b>	<b>9,346 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,670 MW</b>

#### Generation Mix

Type	MWh	Percentage
ST-Coal	65,000	19.10 %
Gas	72,786	21.39 %
Hydro	19,277	5.67 %
<b>Total TNB</b>	<b>157,063</b>	<b>46.16 %</b>
ST-Coal	81,126	23.84 %
ST-Gas	8,742	2.57 %
Gas	92,468	27.18 %
<b>Total IPP</b>	<b>182,336</b>	<b>53.59 %</b>
Co-Gen	175	0.05 %
<b>Total Co-Gen</b>	<b>175</b>	<b>0.05 %</b>
<b>Total Generation</b>	<b>339,574</b>	<b>99.80 %</b>
PLTG	64	0.02 %
EGAT	-34	-0.01 %
HVDC	-699	-0.21 %
<b>Interconnection</b>	<b>-669</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>340,243</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	17,622 MW
TNB Generation	7,472 MW
IPP Generation	8,928 MW
Spinning Reserve	1,216 MW
Maximum Demand	16,424 MW
Net Energy	340,243 MWH
Load Factor	86.32 %

#### Fuel Cost

Total Cost:	50,816,025.65 RM
Cost per Unit	15.87 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	518
Hydro	350
Syncon	268
Thermal	130
<b>Total</b>	<b>1,266</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

#### Gas Usage

Station	(mmscfd)
CBPS	35
CBPS	42
GLGR	55
NPRI	0
PAKA	177
PGGS	21
SRDG	33
TJGS	222
<b>Total TNB</b>	<b>585</b>

KLPP	81
MPSS	58
PDPS	50
PGLA	111
PKLG	26
PLPS	101
PTEK	49
SGB3	69
SGRI	170
SKSP	54
PKLG	87
<b>Total IPP</b>	<b>856</b>
<b>Total Gas</b>	<b>1,441</b>

**Total Gas Required 1,441**

#### 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	13087	12404	11925	11754	11424	11252	11356	11554	12373	14458	15376	15937	15965	15598	16154	16401	16424	15931	14698	15128	15629	15413	14935	14512



Daily MW Generation on Monday

Table with columns: Station, Unit, and 24 hourly columns (0000-2300). Rows include various power generation units such as JMAH, JMUG, PKLG, TBIN, Total ST-Coal, Total ST-Oil, and Total ST-Gas, with numerical values representing MW generation for each hour.



**Daily MW Generation on Monday**

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
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY01	23	23	23	23	24	23	23	24	24	23	23	23	23	23	37	35	35	35	35	35	35	35	35	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	36	36	36	36	36	36	36	36
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	96	96	96	0	0	0	0	0	0	0	0	0	0	93	92	92	80	92	92	92	82	85	92	92
KNYR	HY02	95	95	95	96	96	96	97	-1	-1	-1	-1	-1	-1	95	95	95	95	95	95	95	92	94	85	95
KNYR	HY03	95	95	95	96	0	0	0	0	0	0	0	0	95	95	94	93	93	93	93	93	93	93	94	0
KNYR	HY04	96	96	95	96	97	97	98	98	93	55	98	79	96	97	96	95	81	86	96	96	93	93	89	80
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	19	19	19	19	19	19	19	19
LPIA	HY02	15	15	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	4	4	4	4	4	4	4	3	3	1
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	86	113	113	113	113	113	114	113	0	111	113	113	129
PGAU	HY02	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	111	112	112	112	112	24	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	23	24	24	24	24	-1	-1	-1	113	111	
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	81	111	111	111	112	112	20	-1	110	111	131
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	25	25	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	0	0	0	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	2	25	25	25	25	25	25	25	25	25	25	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	0	0	0	25	25	25	25
TMGR	HY01	30	40	33	38	37	40	38	36	35	34	28	36	32	38	34	38	39	41	40	30	32	80	36	35
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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	32	80	33	36
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		614	524	540	429	334	336	335	236	236	230	183	235	258	378	383	568	695	877	1075	1120	1328	1327	1331	1174
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	3	2	2	3	1	1	2	3	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	7	7	7	7	6	7	7	7	7	6	5	7	7	7	7	6	8	6	6	7	6	7	7	8
Total Co-Gen		10	9	9	10	7	8	9	10	9	10	8	7	9	9	10	9	8	8	6	6	7	5	4	5
Total Gen		13115	12661	12425	12222	11903	11792	11706	11505	11385	11360	11217	11276	11312	11286	11506	11616	12363	13645	14340	14840	15328	15629	15903	16068
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		57	46	50	47	8	41	20	14	10	1	6	8	15	21	18	7	18	31	89	4	19	68	4	
Interconnection		28	-75	21	18	-22	-70	-48	-43	-39	-30	-35	-22	-44	-50	-48	-36	-10	2	-118	-34	-48	-97	-34	
System Total		13087	12736	12404	12204	11925	11862	11754	11548	11424	11390	11252	11298	11356	11636	11554	11652	12373	13643	14458	14874	15376	15726	15937	
SRev ST-Coal		17	-19	36	31	35	47	67	77	95	86	93	85	96	72	39	34	30	41	138	152	102	112	145	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	79	21	194	59	46	67	175	137	133	61	
SRev CCGT-Gas		414	378	540	638	857	899	855	951	1051	1088	1392	1488	1445	1216	1405	1306	1124	367	523	528	335	285	338	
SRev ST-Gas		1	39	36	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
SRev Co-Gen		34	35	35	34	37	36	35	34	35	34	36	37	35	35	35	34	35	36	36	38	37	38	38	39
Syncon		625	625	474	625	625	625	625	726	726	726	726	726	726	575	575	726	726	726	726	625	474	474	172	
Hydro		112	102	237	97	92	90	91	89	89	95	142	90	241	218	97	92	108	132	228	465	495	312	438	
S.Reserve Total		1203	1160	1358	1461	1681	1734	1710	1914	2033	2066	2426	2463	2427	2153	2339	2229	1964	1145	1424	1576	1234	1098	1234	