

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,339 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,728 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,091 MW</b>
<b>Total IPP</b>	<b>9,769 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,860 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	48,740	15.25 %
Gas	70,091	21.92 %
Hydro	20,699	6.47 %
<b>Total TNB</b>	<b>139,530</b>	<b>43.64 %</b>
ST-Coal	92,778	29.02 %
ST-Gas	1,036	0.32 %
Gas	84,793	26.52 %
<b>Total IPP</b>	<b>178,607</b>	<b>55.87 %</b>
Co-Gen	1,320	0.41 %
<b>Total Co-Gen</b>	<b>1,320</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>319,457</b>	<b>99.93 %</b>
PLTG	402	0.13 %
EGAT	-33	-0.01 %
HVDC	-608	-0.19 %
<b>Interconnection</b>	<b>-239</b>	<b>-0.07 %</b>
<b>Net Energy</b>	<b>319,696</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:	15:30:00 Hour
Total Set On Bus	16,802 MW
TNB Generation	7,039 MW
IPP Generation	8,379 MW
Spinning Reserve	1,334 MW
Maximum Demand	15,468 MW
Net Energy	319,696 MWH
Load Factor	86.11 %

**Fuel Cost**

Total Cost:	46,031,390.83 RM
Cost per Unit	15.46 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	574
Hydro	402
Syncon	214
Thermal	69
<b>Total</b>	<b>1,259</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	26

**Gas Usage**

Station	(mmscfd)
CBPS	37
GLGR	57
PAKA	133
PGPS	43
SRDG	68
TJGS	220
<b>Total TNB</b>	<b>559</b>

KLPP	86
MPSS	62
PDPS	37
PGLA	98
PKLG	14
PTEK	31
SGB3	82
SGRI	169
SKSP	41
YPKA	69
PKLG	9
<b>Total IPP</b>	<b>698</b>
<b>Total Gas</b>	<b>1,257</b>

**Total Gas Required 1,257**

**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	12070	11498	11162	10769	10615	10395	10899	10965	11667	13441	14323	14922	14872	14631	15172	15409	15404	15142	14040	13850	14817	14529	13986	13558





**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
KNYR	HY04	103	103	102	103	103	102	102	101	102	101	105	103	103	103	103	103	103	103	102	102	103	103	103	103
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	9	9	9	9	9	9	9	9	9	9	9	6	6	6	6	6	6	6	6	6	6	6	6	6
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	113	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	21	21	21	21	21	21	21	21
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	8	8	8	8	8	8	8	8
PGAU	HY04	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	21	21	21	21	21	21	21	21	21
SIHY	HY01	50	50	50	50	49	50	49	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY05	50	50	49	50	49	50	49	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	82	84	81	85	84	82	81	34	35
TMGR	HY02	29	33	26	30	30	26	26	40	42	40	44	45	48	49	44	46	27	84	82	84	81	85	84	82
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	78	81	78	0	0	0	0	0	0
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	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		742	770	635	645	664	631	630	651	657	650	564	568	574	597	580	598	720	1033	1009	1022	1002	961	1089	1262
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	34	13	13	14	16	16	17	17	17	17	17	17	18	19	18	15	15	16	18	16	16	15	15	14
PCUF	CUFK	36	36	37	37	37	38	37	38	38	39	39	41	41	41	40	40	36	38	37	38	36	34	34	36
Total Co-Gen		70	49	50	51	53	54	54	55	55	56	56	58	58	60	59	59	58	59	58	51	53	53	56	52
Total Gen		12121	11775	11566	11359	11144	10855	10777	10663	10593	10493	10369	10577	10749	11165	10943	11116	11612	12620	13440	13974	14274	14622	14896	15108
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		31	31	30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		20	-63	38	4	11	2	37	68	7	78	3	-36	-120	90	7	-41	-26	-47	29	69	-20	-2	3	
Interconnection		51	-33	68	-25	-18	-27	8	39	-22	49	-26	-65	-150	61	-22	-70	-55	-75	-1	40	-49	-31	-26	
System Total		12070	11808	11498	11384	11162	10882	10769	10624	10615	10444	10395	10642	10899	11104	10965	11186	11667	12695	13441	13934	14323	14653	14922	15098
S.Rev ST-Coal		125	102	143	109	120	149	129	113	115	106	111	105	63	94	107	128	100	18	16	11	15	51	78	57
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	94	11	269	282	262	312	306	469	575	573	559	460
S.Rev CCGT-Gas		364	170	200	455	330	555	656	809	882	989	1017	803	697	358	556	956	624	407	467	350	361	103	100	195
S.Rev 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
S.Rev Co-Gen		6	27	26	25	23	22	22	22	21	21	20	18	18	16	17	17	18	17	18	25	23	23	20	24
Syncon		639	488	639	639	488	639	639	639	639	639	639	488	639	488	302	302	302	453	453	0	0	0	0	0
Hydro		86	109	93	83	215	97	98	77	71	78	64	60	54	182	199	80	391	390	414	401	394	203	170	450
S.Reserve Total		1220	896	1101	1311	1176	1462	1544	1660	1728	1833	1851	1627	1471	1140	1366	1820	1620	1229	1221	1366	1372	1092	1111	1063