

**Availability at Daily Maximum Demand Hour**

ST-Coal	3,040 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,189 MW
Hydro	1,553 MW
Distillate	0 MW
Total TNB	<u>8,782 MW</u>
Total IPP	<u>9,367 MW</u>
Total Co-Gen	<u>0 MW</u>
Total System	<u>18,719 MW</u>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	65,820	22.16 %
Gas	52,104	17.55 %
Hydro	12,028	4.05 %
<b>Total TNB</b>	<b>129,952</b>	<b>43.76 %</b>
ST-Coal	78,959	26.59 %
Gas	88,384	29.76 %
<b>Total IPP</b>	<b>167,343</b>	<b>56.35 %</b>
Co-Gen	1,388	0.47 %
<b>Total Co-Gen</b>	<b>1,388</b>	<b>0.47 %</b>
<b>Total Generation</b>	<b>298,683</b>	<b>100.58 %</b>
PLTG	551	0.19 %
HVDC	1,163	0.39 %
<b>Interconnection</b>	<b>1,714</b>	<b>0.58 %</b>
<b>Net Energy</b>	<b>296,969</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:	21:00:00 Hour
Total Set On Bus	15,218 MW
TNB Generation	6,340 MW
IPP Generation	7,630 MW
Spinning Reserve	1,190 MW
Maximum Demand	13,751 MW
Net Energy	296,969 MWH
Load Factor	89.98 %

**Fuel Cost**

Total Cost:	38,296,685.48 RM
Cost per Unit	13.35 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	275
Hydro	139
Syncon	445
Thermal	28
<b>Total</b>	<b>887</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	27

**Gas Usage**

Station	(mmscfd)
CBPS	0
GLGR	56
PAKA	51
PGPS	37
SRDG	14
TJGS	222
<b>Total TNB</b>	<b>380</b>
KLPP	101
MPSS	43
PDPS	6
PGLA	57
PKLG	3
PLPS	80
PTEK	3
SGRI	210
SKSP	50
YPGS	1
YPKA	134
<b>Total IPP</b>	<b>688</b>
<b>Total Gas</b>	<b>1,068</b>
<b>Total Gas Required</b>	<b>1,068</b>

**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	13467	12983	12494	11925	11641	11526	11351	11075	10618	11066	11739	12305	12423	12365	12843	12853	12844	12520	12104	12426	13626	13751	13574	13237





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																															
TMGR	HY04	70	70	73	65	68	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																														
Total Hydro		760	778	858	801	820	774	593	496	473	394	392	378	373	372	177	171	174	187	179	250	277	332	401	548	589	497	416	483	539	553	537	400	383	350	289	160	179	249	211	530	653	862	875	844	877	891	811	756							
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	0	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	27	29	30	29	29	28	30	30	29	30	31	31	31	32	30	32	31	31	31	33	32	33	32	31	33	33	31	31	33	33	34	33	32	33	34	33	34	34	34	34	35	34	33	35	34	33	35	34	33	35	34				
PCUF	CUFK	27	28	28	27	26	28	29	28	30	28	30	29	31	30	33	30	29	28	28	25	24	25	21	21	24	23	21	22	22	22	23	23	23	23	24	24	26	24	23	23	24	26	25	27	28	29	27	29							
Total Co-Gen		54	57	58	56	55	57	57	58	60	57	60	62	61	65	60	61	59	59	56	57	57	54	53	55	56	54	53	53	55	56	57	56	55	57	58	59	58	57	57	59	60	58	62	62	62	62	63								
Total Gen		13545	13181	13003	12631	12516	12295	12009	11905	11714	11646	11563	11380	11427	11455	11126	10540	10641	10923	11076	11444	11747	12200	12321	12574	12464	12550	12429	12660	12846	12924	12951	12974	12899	12795	12537	12429	12212	12191	12486	13546	13753	14037	14028	13969	13793	13516	13343	13065							
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	0	0	0	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		30	30	30	30	30	31	31	30	30	31	31	31	30	30	30	30	30	30	30	30	30	29	29	31	31	30	30	30	30	30	30	30	30	30	30	31	31	31	31	102	102	202	204	152	152	102	100	31							
TIE-PLTG		48	-30	-10	-16	-8	47	54	34	43	31	6	13	56	-66	21	5	-6	-2	-20	6	-22	-6	-13	-33	10	-7	34	11	-28	35	68	61	24	34	-13	67	78	23	29	39	26	95	73	95	67	63	6	82							
Interconnection		78	0	20	14	22	77	84	64	73	62	37	44	86	-36	51	35	23	28	10	36	8	23	16	-2	41	23	64	41	3	65	98	92	55	64	17	97	108	54	60	141	127	297	277	247	219	165	106	113							
System Total		13467	13181	12983	12617	12494	12218	11925	11841	11641	11584	11526	11336	11351	11471	11075	10505	10618	10895	11066	11408	11739	12177	12305	12576	12423	12527	12365	12619	12843	12859	12853	12882	12844	12751	12520	12332	12104	12137	12426	13408	13626	13740	13751	13722	13574	13351	13237	12952							
SRev ST-Coal		130	118	190	198	180	145	149	205	170	155	133	116	73	239	454	508	341	335	193	104	60	53	-8	52	32	44	29	37	43	41	57	27	28	14	29	56	9	25	111	21	59	16	23	44	58	25	66								
SRev OCGT-Gas		74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		271	472	310	267	210	199	232	150	358	466	600	772	729	771	845	1205	906	833	678	728	592	238	190	144	382	295	321	171	209	284	351	286	266	263	387	438	648	883	611	357	353	398	369	380	343	408	453	556							
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	0	0	0	0	0	0	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		22	19	18	20	21	19	18	16	19	16	16	14	15	11	16	15	17	17	20	19	19	22	23	21	20	22	23	23	21	20	19	20	21	19	18	17	18	19	19	17	16	18	14	14	14	14	14	13							
Syncon		302	302	151	151	151	234	471	471	471	572	572	572	572	673	673	673	673	673	673	587	738	637	637	637	637	637	637	637	637	637	637	637	637	637	738	738	436	738	637	536	302	453	453	453	453	453	453								
Hydro		176	158	229	286	267	250	151	248	271	249	251	265	270	271	265	271	268	255	263	270	92	138	169	122	131	223	229	162	207	193	58	145	162	145	206	134	200	432	168	275	253	301	137	168	135	112	96	26							
S.Reserve Total		978	1069	898	922	829	827	1022	1092	1286	1461	1574	1758	1701	1702	2033	2619	2370	2119	1966	1798	1545	1092	1071	918	1223	1207	1253	1022	1006	1031	1113	1149	1184	1129	1263	1357	1659	1778	1583	1416	1209	1181	1190	1249	1092	1082	1071	1114							