

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,408 MW
Hydro	1,776 MW
Distillate	0 MW
Total TNB	6,184 MW
Total IPP	14,354 MW
Total Co-Gen	50 MW
Total System	21,152 MW

**Generation Mix**

Type	MWh	Percentage
Gas	37,572	12.04 %
Hydro	6,988	2.24 %
<b>Total TNB</b>	<b>44,560</b>	<b>14.28 %</b>
ST-Coal	184,582	59.16 %
Gas	82,739	26.52 %
<b>Total IPP</b>	<b>267,321</b>	<b>85.67 %</b>
Co-Gen	973	0.31 %
<b>Total Co-Gen</b>	<b>973</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>312,854</b>	<b>100.27 %</b>
PLTG	103	0.03 %
HVDC	728	0.23 %
<b>Interconnection</b>	<b>831</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>312,023</b>	<b>100.00 %</b>

**Maximum Demand Record**

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

**Set On Bus, TNB, IPP And MD**

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	15,994 MW
TNB Generation	2,530 MW
IPP Generation	12,195 MW
Spinning Reserve	1,222 MW
Maximum Demand	14,721 MW
Net Energy	312,023 MWH
Load Factor	88.32 %

**Fuel Cost**

Total Cost:	38,973,284.70 RM
Cost per Unit	12.74 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	273
Hydro	267
Syncon	547
Thermal	242
<b>Total</b>	<b>1,329</b>

**Time Weather Temperature**

Afternoon	Hot	37
Morning	Sunny	28

**Gas Usage**

Station	(mmscfd)
CBPS	15
GLGR	30
PAKA	3
TJGS	213
<b>Total TNB</b>	<b>261</b>
KLPP	89
NPRI	152
PGLA	112
PLPS	67
PTEK	2
SGRI	176
SKSP	14
<b>Total IPP</b>	<b>611</b>
<b>Total Gas</b>	<b>872</b>

**Total Gas Required 872**

**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	14283	13524	13192	12832	12337	12053	11897	11558	10856	11312	12119	12647	12790	12845	13321	13556	13641	13269	12663	12734	14459	14684	14675	14430





### 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																								
SRev Co-Gen		6	5	5	5	6	6	5	4	5	6	3	4	3	3	5	5	5	5	4	4	3	4	6	5	6	6	6	6	6	5	2	2	3	6	3	3	3	3	3									
Syncon		802	802	802	802	718	718	802	802	802	802	802	802	676	676	676	525	676	525	525	525	525	525	525	525	437	437	525	676	487	487	487	487	487	487	588	588	630	630	630	714	802							
Hydro		108	123	125	120	147	160	87	123	131	112	116	122	126	251	138	145	141	113	129	126	123	118	246	82	198	265	256	240	328	333	297	288	258	298	267	123	325	331	309	227	364	287	323	237	274	223	232	191
S.Reserve Total		1233	1379	1730	1442	1201	1319	1179	1284	1484	1833	1906	2069	2086	2097	2417	3074	3286	2935	2841	2336	1907	1468	1360	1247	1471	1564	1516	1348	1362	1400	1289	1265	1183	1245	1436	1679	1748	2289	2450	1329	1248	1353	1269	1222	1248	1243	1252	1273