

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,751 MW
Hydro	1,873 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,624 MW</b>
<b>Total IPP</b>	<b>14,278 MW</b>
<b>Total Co-Gen</b>	<b>24 MW</b>
<b>Total System</b>	<b>19,926 MW</b>

**Maximum Demand Record**

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

**Gas Usage**

Station	(mmscfd)	Station	(mmscfd)
CBPS	46	<b>Total</b>	<b>0</b>
GLGR	52		
PAKA	203		
PGPS	50		
SRDG	9		
TJGS	213		
<b>Total TNB</b>	<b>572</b>		
CBPS	53		
KLPP	95		
MPSS	54		
NPRI	105		
PGLA	105		
PKLG	2		
PLPS	88		
PTEK	16		
SGB3	73		
SGRI	169		
SKSP	50		
PKLG	44		
<b>Total IPP</b>	<b>854</b>		
<b>Total Gas</b>	<b>1,427</b>		
<b>Total Gas Required</b>	<b>1,427</b>		

**Alternate Fuel Usage**
**Set On Bus, TNB, IPP And MD**

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,415 MW
TNB Generation	4,284 MW
IPP Generation	12,943 MW
Spinning Reserve	1,166 MW
Maximum Demand	17,308 MW
Net Energy	362,178 MWH
Load Factor	87.19 %

**Generation Mix**

Type	MWh	Percentage
Gas	74,443	20.55 %
Hydro	9,639	2.66 %
<b>Total TNB</b>	<b>84,082</b>	<b>23.22 %</b>
ST-Coal	166,719	46.03 %
ST-Gas	4,335	1.20 %
Gas	106,975	29.54 %
<b>Total IPP</b>	<b>278,029</b>	<b>76.77 %</b>
Co-Gen	501	0.14 %
<b>Total Co-Gen</b>	<b>501</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>362,612</b>	<b>100.12 %</b>
PLTG	185	0.05 %
EGAT	-12	0.00 %
HVDC	261	0.07 %
<b>Interconnection</b>	<b>434</b>	<b>0.12 %</b>
<b>Net Energy</b>	<b>362,178</b>	<b>100.00 %</b>

**Fuel Cost**

Total Cost:	52,693,052.50 RM
Cost per Unit	14.92 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	566
Hydro	186
Syncon	585
Thermal	90
<b>Total</b>	<b>1,427</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

**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	14673	14088	13597	13265	12855	12690	12722	12444	12913	14796	15793	16587	16578	16345	16978	17297	17283	16796	15593	15328	15990	15985	15504	15075





