

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,537 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,537 MW</b>
<b>Total IPP</b>	<b>14,309 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,848 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

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

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,804 MW
TNB Generation	4,384 MW
IPP Generation	12,850 MW
Spinning Reserve	1,555 MW
Maximum Demand	17,258 MW
Net Energy	367,691 MWH
Load Factor	88.77 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	36	<b>Total</b>	<b>0</b>
TJGS	178		
<b>Total TNB</b>	<b>214</b>		
CBPS	46		
EMPP	89		
KLPP	67		
PCGP	82		
PLPS	75		
SGRI	88		
SKSP	46		
SPGP	179		
<b>Total IPP</b>	<b>671</b>		
<b>Total Gas</b>	<b>885</b>		
<b>Total Gas Required</b>	<b>885</b>		

### Generation Mix

Type	MWh	Percentage
Hydro	24,366	6.63 %
Gas	58,629	15.95 %
<b>Total TNB</b>	<b>82,995</b>	<b>22.57 %</b>
ST-Coal	210,337	57.20 %
LSS	5,334	1.45 %
Gas	67,680	18.41 %
<b>Total IPP</b>	<b>283,351</b>	<b>77.06 %</b>
Co-Gen	752	0.20 %
<b>Total Co-Gen</b>	<b>752</b>	<b>0.20 %</b>
<b>Total Generation</b>	<b>367,098</b>	<b>99.84 %</b>
PLTG	107	0.03 %
HVDC	-700	-0.19 %
<b>Interconnection</b>	<b>-593</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>367,691</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	86,359,369.13 RM
Cost per Unit	23.48 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	720
Hydro	394
Syncon	457
Thermal	208
<b>Total</b>	<b>1,779</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

### 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	14625	14053	13510	13218	12852	12664	12833	13229	13795	15327	15951	16335	16181	16199	16754	17086	17183	17066	16035	16224	16950	16701	16122	15882

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)  
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