

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,293 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,293 MW</b>
<b>Total IPP</b>	<b>17,674 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>23,947 MW</b>

### Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	215
<b>Total TNB</b>	<b>245</b>
CBPS	54
NPRI	158
PGLA	3
<b>Total IPP</b>	<b>215</b>
<b>Total Gas</b>	<b>460</b>
<b>Total Gas Required</b>	<b>460</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

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

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	15,361 MW
TNB Generation	4,004 MW
IPP Generation	10,129 MW
Spinning Reserve	1,221 MW
Maximum Demand	14,201 MW
Net Energy	300,581 MWH
Load Factor	88.19 %

### Generation Mix

Type	MWh	Percentage
Hydro	12,855	4.28 %
Gas	70,351	23.41 %
<b>Total TNB</b>	<b>83,206</b>	<b>27.68 %</b>
ST-Coal	165,313	55.00 %
LSS	2,739	0.91 %
Gas	47,755	15.89 %
<b>Total IPP</b>	<b>215,807</b>	<b>71.80 %</b>
Co-Gen	172	0.06 %
<b>Total Co-Gen</b>	<b>172</b>	<b>0.06 %</b>
<b>Total Generation</b>	<b>299,185</b>	<b>99.54 %</b>
PLTG	-696	-0.23 %
HVDC	-700	-0.23 %
<b>Interconnection</b>	<b>-1,396</b>	<b>-0.46 %</b>
<b>Net Energy</b>	<b>300,581</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	46,201,498.77 RM
Cost per Unit	15.44 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	186
Hydro	255
Syncon	594
Thermal	686
<b>Total</b>	<b>1,721</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

### 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	14131	13505	13028	12479	12031	11670	11581	11331	10820	11199	11568	11813	11724	11989	12371	12472	12592	12534	12323	12691	14179	14199	14127	14089

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator





### 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																								
Hydro		103	146	150	111	157	173	112	112	157	146	119	107	235	143	104	141	146	178	315	229	265	257	280	232	203	224	241	220	308	322	319	176	99	86	99	105	66	98	255	205	260	259	298	307	326	367	388	281
S.Reserve Total		1704	1815	1897	1718	1872	1907	1807	1852	1960	1918	1934	1969	1914	2005	2065	2328	2473	2319	2236	2093	1966	1956	1983	2000	2222	2029	1905	1825	1986	1977	1903	1851	1820	1784	1798	1907	1807	1880	1750	1403	1165	1166	1220	1222	1290	1275	1360	1365