

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,262 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,064 MW</b>
<b>Total IPP</b>	<b>16,380 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>22,016 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	36,068	9.93 %
Hydro	8,758	2.41 %
<b>Total TNB</b>	<b>44,826</b>	<b>12.34 %</b>
ST-Coal	216,042	59.45 %
Gas	99,715	27.44 %
<b>Total IPP</b>	<b>315,757</b>	<b>86.89 %</b>
Co-Gen	1,852	0.51 %
<b>Total Co-Gen</b>	<b>1,852</b>	<b>0.51 %</b>
<b>Total Generation</b>	<b>362,435</b>	<b>99.74 %</b>
PLTG	-252	-0.07 %
HVDC	-701	-0.19 %
<b>Interconnection</b>	<b>-953</b>	<b>-0.26 %</b>
<b>Net Energy</b>	<b>363,388</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

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

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,593 MW
TNB Generation	2,414 MW
IPP Generation	14,637 MW
Spinning Reserve	1,462 MW
Maximum Demand	17,146 MW
Net Energy	363,388 MWH
Load Factor	88.31 %

### Fuel Cost

Total Cost:	62,165,682.59 RM
Cost per Unit	17.57 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	437
Hydro	356
Syncon	875
Thermal	108
<b>Total</b>	<b>1,776</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	203
<b>Total TNB</b>	<b>252</b>
CBPS	51
KLPP	69
NPRI	78
PGLA	103
PLPS	85
SGB3	2
SGRI	156
SKSP	48
YPKA	67
<b>Total IPP</b>	<b>659</b>
<b>Total Gas</b>	<b>911</b>
<b>Total Gas Required</b>	<b>911</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	14796	13987	13550	13145	12987	12806	12987	12999	13394	15254	16264	16879	16754	16412	16866	16957	16854	16410	15347	15231	16224	15950	15675	15059





### Daily MW Generation on Tuesday

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																										
TIE-HVDC		-30	-28	-28	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28	-28	-29											
TIE-PLTG		13	6	21	4	22	-10	-4	15	-10	15	4	-18	19	0	9	-6	-6	6	38	9	-4	-12	60	-26	-17	-22	13	-17	24	15	10	6	-32	-36	-23	6	41	9	30	4	-5	54	16	59	21	2	13	8		
Interconnection		-16	-22	-7	-25	-7	-40	-34	-15	-40	-14	-25	-46	-9	-29	-20	-35	-34	-24	9	-20	-33	-41	31	-54	-46	-52	-17	-46	-5	-14	-20	-23	-61	-64	-51	-22	12	-20	1	-25	-34	24	-14	31	-8	-26	-15	-22		
<b>System Total</b>		<b>14948</b>	<b>14566</b>	<b>14262</b>	<b>13893</b>	<b>13896</b>	<b>13620</b>	<b>13417</b>	<b>13079</b>	<b>13061</b>	<b>12920</b>	<b>12925</b>	<b>12924</b>	<b>13208</b>	<b>13334</b>	<b>12974</b>	<b>13000</b>	<b>13623</b>	<b>14659</b>	<b>15335</b>	<b>15825</b>	<b>16268</b>	<b>16785</b>	<b>16964</b>	<b>17139</b>	<b>16939</b>	<b>16658</b>	<b>16544</b>	<b>16731</b>	<b>16920</b>	<b>17204</b>	<b>17093</b>	<b>17066</b>	<b>17063</b>	<b>17119</b>	<b>16805</b>	<b>16192</b>	<b>15759</b>	<b>15454</b>	<b>15575</b>	<b>16436</b>	<b>16648</b>	<b>16642</b>	<b>16529</b>	<b>16328</b>	<b>15996</b>	<b>15751</b>	<b>15584</b>	<b>15286</b>		
SRev ST-Coal		182	69	154	132	89	172	280	286	271	307	359	353	315	322	76	66	55	111	-64	59	2	76	76	79	63	73	71	70	66	81	76	93	74	88	68	49	60	62	58	66	61	68	60	73	58	52	66			
SRev OCGT-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
SRev CCGT-Gas		847	640	812	1217	1279	1546	1547	1852	1958	2028	2018	2041	1740	1680	2019	2021	1431	423	435	443	365	302	285	199	350	581	724	584	569	365	415	377	385	320	583	797	1126	1431	1286	446	395	343	226	335	551	621	513	635		
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
SRev Co-Gen		-6	-2	-1	3	3	2	1	-1	1	2	1	2	4	2	3	2	3	4	6	5	6	6	6	5	6	7	5	3	7	4	4	4	4	3	20	15	6	5	4	5	6	5	3	5	2	1	2	3		
Syncon		1265	1265	1139	1139	1139	1139	1139	1139	988	1139	988	1139	988	1139	1139	1139	988	837	837	837	837	549	549	736	837	837	837	837	686	837	988	801	801	988	1223	1223	1223	1223	1223	885	784	921	921	921	921	921	1072			
Hydro		103	101	103	103	103	103	103	104	232	106	226	81	217	101	105	99	74	197	400	388	355	348	438	436	390	395	393	395	377	489	395	321	318	323	350	161	109	131	133	141	368	359	362	365	370	363	361	235		
<b>S.Reserve Total</b>		<b>2391</b>	<b>2073</b>	<b>2207</b>	<b>2594</b>	<b>2613</b>	<b>2962</b>	<b>3070</b>	<b>3380</b>	<b>3450</b>	<b>3582</b>	<b>3592</b>	<b>3616</b>	<b>3302</b>	<b>3237</b>	<b>3588</b>	<b>3337</b>	<b>2713</b>	<b>1667</b>	<b>1789</b>	<b>1609</b>	<b>1622</b>	<b>1495</b>	<b>1354</b>	<b>1265</b>	<b>1561</b>	<b>1883</b>	<b>2032</b>	<b>1890</b>	<b>1860</b>	<b>1610</b>	<b>1732</b>	<b>1766</b>	<b>1601</b>	<b>1521</b>	<b>2029</b>	<b>2264</b>	<b>2513</b>	<b>2850</b>	<b>2708</b>	<b>1873</b>	<b>1720</b>	<b>1552</b>	<b>1580</b>	<b>1686</b>	<b>1917</b>	<b>1964</b>	<b>1849</b>	<b>2011</b>		