

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,233 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,035 MW</b>
<b>Total IPP</b>	<b>15,496 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,103 MW</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:	20:30:00 Hour
Total Set On Bus	17,213 MW
TNB Generation	2,606 MW
IPP Generation	13,111 MW
Spinning Reserve	1,467 MW
Maximum Demand	15,731 MW
Net Energy	348,239 MWH
Load Factor	92.24 %

### Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	213
<b>Total TNB</b>	<b>264</b>
CBPS	55
KLPP	69
NPRI	161
PGLA	110
PLPS	93
SGRI	82
SKSP	51
YPKA	28
<b>Total IPP</b>	<b>649</b>
<b>Total Gas</b>	<b>913</b>
<b>Total Gas Required</b>	<b>913</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	37,275	10.70 %
Hydro	11,040	3.17 %
<b>Total TNB</b>	<b>48,315</b>	<b>13.87 %</b>
ST-Coal	199,510	57.29 %
Gas	99,193	28.48 %
<b>Total IPP</b>	<b>298,703</b>	<b>85.78 %</b>
Co-Gen	719	0.21 %
<b>Total Co-Gen</b>	<b>719</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>347,737</b>	<b>99.86 %</b>
PLTG	191	0.05 %
HVDC	-693	-0.20 %
<b>Interconnection</b>	<b>-502</b>	<b>-0.14 %</b>
<b>Net Energy</b>	<b>348,239</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	56,981,194.43 RM
Cost per Unit	17.37 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	295
Hydro	480
Syncon	772
Thermal	92
<b>Total</b>	<b>1,639</b>

### Time Weather Temperature

Afternoon	Lightning	32
Morning	Sunny	28

### 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	15032	14468	13831	13508	13140	12944	12821	12602	12424	13837	14747	15300	15365	15201	15605	15492	15453	15098	14503	14670	15641	15621	15364	14983





### Daily MW Generation on Saturday

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																											
Interconnection		-45	-38	-51	-47	-50	-61	-29	-9	9	-64	-74	-32	-12	-60	-2	-65	-71	-16	-19	-2	-6	-25	10	-24	-19	-18	-23	-29	16	36	-3	10	-10	29	9	-12	1	-23	-27	-10	-36	15	-12	14	-33	-22	-25	-48			
System Total		15032	14908	14468	14188	13831	13740	13508	13193	13140	12953	12944	12896	12821	12858	12602	12389	12424	13163	13837	14237	14747	15198	15300	15501	15365	15199	15201	15351	15605	15681	15492	15604	15453	15414	15098	14782	14503	14486	14670	15532	15641	15731	15621	15558	15364	15157	14983	14811			
SRev ST-Coal		46	26	101	319	26	8	40	51	53	36	37	48	36	31	40	45	29	81	128	31	55	108	116	118	113	126	111	113	119	110	112	111	128	121	110	111	112	111	113	54	46	59	46	54	42	38	116	129			
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	0
SRev CCGT-Gas		1007	622	743	586	883	1029	1140	1394	1345	1526	1344	1361	1366	1361	1463	1649	1617	955	462	668	445	319	343	224	355	284	379	246	173	179	288	163	197	197	332	511	740	815	733	424	429	152	263	190	141	303	300	425			
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	0
SRev Co-Gen		-5	-14	-13	-12	2	5	5	2	4	3	2	4	0	-1	1	1	1	1	2	-1	0	5	-1	1	0	4	2	-1	3	6	4	3	0	0	-2	0	-1	-1	-1	-1	-2	0	0	-2	-1	-3	-12	-34			
Syncon		1225	1225	1225	1225	1225	1225	1074	1074	1225	1074	1225	1074	1225	1225	1351	1225	1225	1075	1074	923	586	687	687	712	964	964	964	712	626	727	727	727	727	727	813	1115	1115	1115	1115	626	626	626	626	712	712	712	964	1351			
Hydro		106	65	104	105	104	105	233	236	105	233	103	230	233	104	104	103	103	109	108	237	306	530	492	503	546	513	438	428	444	434	600	602	575	582	587	240	277	284	293	493	462	630	669	587	515	555	408	100			
S.Reserve Total		2379	1924	2160	2223	2240	2372	2492	2757	2732	2872	2711	2717	2709	2720	2833	3149	2975	2371	1775	2009	1729	1548	1637	1533	1726	1891	1894	1750	1451	1355	1731	1606	1627	1627	1840	1977	2243	2324	2253	1596	1561	1467	1604	1541	1409	1605	1776	1971			