

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	2,237 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,764 MW</b>
<b>Total IPP</b>	<b>15,805 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,141 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	17,541 MW
TNB Generation	2,078 MW
IPP Generation	13,710 MW
Spinning Reserve	1,721 MW
Maximum Demand	15,763 MW
Net Energy	349,932 MWH
Load Factor	92.50 %

### Gas Usage

Station	(mmscfd)
GLGR	51
PAKA	0
PGPS	3
TJGS	206
<b>Total TNB</b>	<b>261</b>
CBPS	54
KLPP	94
MPSS	1
NPRI	164
PGLA	105
PLPS	66
SGRI	102
YPKA	76
<b>Total IPP</b>	<b>662</b>
<b>Total Gas</b>	<b>923</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	36,470	10.42 %
Hydro	6,322	1.81 %
<b>Total TNB</b>	<b>42,792</b>	<b>12.23 %</b>
ST-Coal	216,641	61.91 %
Gas	90,688	25.92 %
<b>Total IPP</b>	<b>307,329</b>	<b>87.83 %</b>
Co-Gen	749	0.21 %
<b>Total Co-Gen</b>	<b>749</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>350,870</b>	<b>100.27 %</b>
PLTG	216	0.06 %
HVDC	722	0.21 %
<b>Interconnection</b>	<b>938</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>349,932</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	59,545,104.55 RM
Cost per Unit	17.28 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	394
Hydro	275
Syncon	1,168
Thermal	166
<b>Total</b>	<b>2,003</b>

**Total Gas Required 923**

### Time Weather Temperature

Afternoon	Hot	35
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	15627	14937	14317	13965	13484	13351	13300	12998	12646	13820	14646	15279	15157	14865	15209	15296	15072	14869	14524	14667	15744	15620	15245	14970





### 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																										
Total Gen		15668	15376	14964	14719	14396	14193	14015	13790	13548	13417	13356	13279	13259	13143	13042	12623	12687	13288	13825	14222	14635	14936	15330	15384	15184	14995	14912	15128	15297	15434	15347	15287	15137	15168	14877	14756	14565	14439	14654	15638	15766	15820	15680	15697	15285	15299	15011	14860		
TIE-EGAT		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
TIE-HVDC		31	29	29	30	30	30	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	29	31	31	29	29	30	30	29	29	30	29	30	30	30	
TIE-PLTG		10	36	-2	-1	49	11	20	48	33	33	-26	-14	-71	-44	14	48	12	6	-26	48	-41	14	21	75	-3	10	16	17	58	-26	21	16	35	-18	-22	94	12	15	-43	-55	-8	27	30	-19	10	30	11	-23		
Interconnection		41	65	27	29	79	41	50	79	64	64	5	16	-41	-13	44	78	41	36	5	78	-11	44	51	105	27	40	47	47	88	3	51	46	65	12	8	125	41	45	-13	-26	22	57	60	10	40	60	41	7		
System Total		15627	15311	14937	14690	14317	14152	13965	13711	13484	13353	13351	13263	13300	13156	12998	12545	12646	13252	13820	14144	14646	14892	15279	15279	15157	14955	14865	15081	15209	15431	15296	15241	15072	15156	14869	14631	14524	14394	14667	15664	15744	15763	15620	15687	15245	15239	14970	14853		
SRev ST-Coal		96	149	153	153	220	383	375	384	370	381	380	389	384	380	370	378	379	99	74	70	143	382	221	111	70	164	176	185	222	176	159	163	230	217	168	89	-47	81	89	216	171	165	162	138	156	256	257	245		
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		730	849	687	787	1039	831	853	980	1256	1342	1292	1334	1322	1262	1302	1706	1605	1162	679	735	633	393	318	268	550	617	585	361	263	190	262	186	267	207	590	678	989	1132	842	552	225	215	351	298	492	484	541	515		
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		2	5	3	4	4	5	4	5	3	3	2	2	2	1	1	3	3	1	1	5	2	5	7	8	7	8	8	10	12	9	10	11	8	6	6	6	5	3	3	3	3	4	4	4	4	5	5	4	4	
Syncon		1349	1349	1198	1349	1349	1349	1349	1349	1198	1349	1349	1349	1349	1349	1349	1349	1349	1370	1349	1349	1047	1349	1047	1198	1349	1450	1349	1198	1047	1047	1047	896	1047	1198	1349	1349	1349	1223	851	837	1074	1074	1074	1225	1124	1225	1225			
Hydro		139	133	282	154	155	150	151	153	288	164	164	293	136	164	130	140	133	136	126	149	137	433	133	395	274	145	147	145	259	384	385	388	524	390	304	165	159	156	154	184	446	263	270	260	244	89	144	129		
S.Reserve Total		2316	2485	2323	2447	2767	2718	2732	2871	3115	3239	3187	3216	3193	3156	3152	3576	3469	2747	2250	2308	2264	2260	2028	1829	2099	2288	2366	2050	1954	1806	1863	1795	1925	1867	2266	2287	2455	2721	2311	1806	1682	1721	1861	1774	2122	1958	2196	2118		