

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	1,986 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,731 MW</b>
<b>Total IPP</b>	<b>14,081 MW</b>
<b>Total Co-Gen</b>	<b>24 MW</b>
<b>Total System</b>	<b>20,400 MW</b>

**Generation Mix**

Type	MWh	Percentage
Gas	51,246	16.33 %
Hydro	11,323	3.61 %
<b>Total TNB</b>	<b>62,569</b>	<b>19.94 %</b>
ST-Coal	153,986	49.08 %
Gas	98,249	31.32 %
<b>Total IPP</b>	<b>252,235</b>	<b>80.40 %</b>
Co-Gen	394	0.13 %
<b>Total Co-Gen</b>	<b>394</b>	<b>0.13 %</b>
<b>Total Generation</b>	<b>315,198</b>	<b>100.47 %</b>
PLTG	744	0.24 %
HVDC	723	0.23 %
<b>Interconnection</b>	<b>1,467</b>	<b>0.47 %</b>
<b>Net Energy</b>	<b>313,731</b>	<b>100.00 %</b>

**Maximum Demand Record**

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	22:00:00 Hour
Total Set On Bus	15,766 MW
TNB Generation	2,906 MW
IPP Generation	11,766 MW
Spinning Reserve	1,077 MW
Maximum Demand	14,607 MW
Net Energy	313,731 MWH
Load Factor	89.49 %

**Fuel Cost**

Total Cost:	41,310,304.75 RM
Cost per Unit	13.59 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	378
Hydro	90
Syncon	699
Thermal	104
<b>Total</b>	<b>1,271</b>

**Time Weather Temperature**

Afternoon	Hot	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	14427	13929	13278	12911	12635	12479	12115	11441	10994	11518	12135	12680	12756	12921	13264	13390	13542	13353	13124	13103	14009	14466	14607	14481

**Gas Usage**

Station	(mmscfd)
CBPS	10
GLGR	53
PAKA	51
PGPS	39
TJGS	224
<b>Total TNB</b>	<b>377</b>

**Alternate Fuel Usage**

Station	(mmscfd)
<b>Total</b>	<b>0</b>
CBPS	54
KLPP	93
MPSS	35
NPRI	149
PGLA	113
PLPS	68
PTEK	7
SGRI	173
SKSP	24
<b>Total IPP</b>	<b>718</b>
<b>Total Gas</b>	<b>1,094</b>

**Total Gas Required 1,094**





### 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																												
Total Hydro		1120	1031	1029	664	852	641	529	554	576	596	584	509	358	355	312	298	387	332	252	183	187	292	289	348	310	219	172	292	415	415	291	291	370	308	278	295	284	197	224	363	459	759	644	605	666	617	758	879				
Total Distillate		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		
PCUF	CUFK	16	17	15	16	17	15	17	17	18	16	17	18	16	16	16	17	16	17	16	18	18	16	18	16	17	16	15	17	17	16	15	15	16	17	17	16	16	16	16	17	17	15	16	18	16	16	17	16	16	17		
Total Co-Gen		16	17	15	16	17	15	17	17	18	16	17	18	16	16	16	17	16	17	16	18	18	16	17	16	15	17	17	16	15	15	16	17	17	16	16	16	16	16	16	17	17	15	16	18	16	16	16	17	16	16	17	
Total Gen		14483	14199	13998	13713	13277	13134	12942	12708	12676	12671	12530	12255	12182	12001	11563	11137	11048	11328	11525	11848	12110	12424	12718	12811	12843	12922	12940	13181	13373	13428	13434	13536	13616	13581	13426	13396	13247	13181	13147	13526	14071	14480	14591	14626	14689	14625	14571	14451				
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	0	
TIE-HVDC		30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	29	29	31	31	30	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30		
TIE-PLTG		26	-42	39	42	-32	55	1	14	11	19	21	19	37	51	92	92	24	1	-23	-15	-54	8	8	5	57	12	-11	36	79	29	13	32	45	31	43	82	92	38	13	66	31	24	94	69	51	52	59	49				
Interconnection		56	-12	69	73	-1	85	31	44	41	49	51	49	67	81	122	122	54	32	7	15	-25	38	38	35	87	41	19	67	109	59	44	62	74	61	73	113	123	68	44	96	62	55	125	99	82	83	90	79				
System Total		14427	14211	13929	13640	13278	13049	12911	12664	12635	12622	12479	12206	12115	11920	11441	11015	10994	11296	11518	11833	12135	12386	12680	12776	12756	12881	12921	13114	13264	13369	13390	13474	13542	13520	13353	13283	13124	13113	13103	13430	14009	14425	14466	14527	14607	14542	14481	14372				
SRev ST-Coal		75	103	96	101	112	99	92	199	198	197	203	213	203	201	211	199	206	191	97	112	104	108	90	105	103	105	112	103	112	114	94	109	100	94	100	105	118	127	101	109	96	104	93	106	126	106	118	97				
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	0
SRev CCGT-Gas		651	768	487	399	322	268	310	312	321	244	372	562	493	672	1058	1483	1653	1334	1150	745	525	428	244	447	394	290	407	294	464	478	415	353	380	356	475	518	925	1026	1112	860	425	507	352	265	242	279	419	381				
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	0
SRev Co-Gen		8	7	9	8	7	9	7	7	6	8	7	6	8	8	8	7	8	7	8	6	6	8	7	8	9	7	7	8	9	8	7	7	8	8	8	8	8	7	7	9	8	6	8	8	7	8	8	7	8	8	7	
Syncon		453	387	387	622	320	320	471	471	471	572	572	572	723	723	723	723	572	748	849	950	799	799	799	799	799	799	799	799	799	673	673	799	799	648	648	799	673	673	799	799	799	799	295	572	572	572	572	270				
Hydro		122	277	279	121	86	297	258	253	211	90	102	177	177	180	223	237	299	179	158	126	123	18	21	87	125	91	138	18	21	21	19	19	91	153	32	141	152	113	86	197	76	280	143	182	121	120	189	270				
S.Reserve Total		1309	1542	1258	1251	847	993	1138	1222	1207	1111	1256	1530	1604	1784	2223	2649	2738	2459	2262	1939	1557	1361	1161	1446	1430	1292	1463	1222	1279	1295	1335	1287	1226	1259	1414	1445	1876	2072	2105	1974	1404	1263	1177	1142	1077	1093	1358	1175				