

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,563 MW
Hydro	1,673 MW
Distillate	0 MW
Total TNB	<u>6,236 MW</u>
Total IPP	<u>14,904 MW</u>
Total Co-Gen	<u>48 MW</u>
Total System	<u>21,752 MW</u>

### Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

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

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,955 MW
TNB Generation	3,685 MW
IPP Generation	12,959 MW
Spinning Reserve	1,264 MW
Maximum Demand	16,627 MW
Net Energy	346,866 MWH
Load Factor	86.92 %

### Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	47
PAKA	38
PGPS	33
SRDG	4
TJGS	213
<b>Total TNB</b>	<b>387</b>
KLPP	97
MPSS	23
NPRI	155
PGLA	108
PKLG	3
PLPS	93
PTEK	17
SGRI	167
SKSP	51
<b>Total IPP</b>	<b>713</b>
<b>Total Gas</b>	<b>1,100</b>
<b>Total Gas Required</b>	<b>1,100</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	54,593	15.74 %
Hydro	10,035	2.89 %
<b>Total TNB</b>	<b>64,628</b>	<b>18.63 %</b>
ST-Coal	187,595	54.08 %
Gas	94,386	27.21 %
<b>Total IPP</b>	<b>281,981</b>	<b>81.29 %</b>
Co-Gen	1,094	0.32 %
<b>Total Co-Gen</b>	<b>1,094</b>	<b>0.32 %</b>
<b>Total Generation</b>	<b>347,703</b>	<b>100.24 %</b>
PLTG	108	0.03 %
HVDC	729	0.21 %
<b>Interconnection</b>	<b>837</b>	<b>0.24 %</b>
<b>Net Energy</b>	<b>346,866</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	45,860,824.95 RM
Cost per Unit	13.58 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	382
Hydro	388
Syncon	426
Thermal	163
<b>Total</b>	<b>1,359</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	13884	13174	12658	12189	11904	11542	11582	11797	12372	14395	15508	16237	16285	15947	16410	16444	16549	16183	14986	14535	15743	15761	15352	15048





### Daily MW Generation on Monday

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		253	236	221	244	243	199	193	193	210	224	190	189	196	204	193	173	234	236	222	320	574	616	860	863	867	734	678	764	866	904	881	744	819	797	592	314	243	198	203	286	513	603	409	405	218	169	175	167			
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	CUPG	17	16	18	17	18	17	18	18	18	19	18	18	18	18	19	20	20	19	19	19	18	17	17	18	18	18	18	18	18	18	18	17	18	18	19	19	20	19	20	19	20	19	19	19	19	19	18	17	17	17	
PCUF	CUFK	23	30	30	30	29	29	28	29	30	28	28	29	29	30	31	32	29	30	30	30	30	31	30	29	30	28	29	30	28	29	28	27	28	27	28	28	28	28	28	28	28	29	28	28	28	28	29	28	16	0	0
Total Co-Gen		40	46	48	47	47	46	46	47	48	47	46	47	48	48	49	50	48	50	50	49	49	50	48	46	47	46	47	48	46	47	46	45	45	45	46	47	47	48	48	48	47	47	47	47	48	46	33	17	17		
Total Gen		13993	13494	13208	12803	12678	12423	12213	12066	11897	11728	11628	11641	11619	11790	11820	11786	12400	13606	14448	15080	15546	15901	16258	16404	16299	16011	16000	16122	16463	16691	16525	16516	16584	16578	16196	15576	15056	14622	14511	15343	15788	15752	15804	15746	15399	15215	15123	14854			
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		30	30	30	30	31	31	31	31	30	31	31	31	31	30	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	30	30	30	30	31	31	29	29	31	31	30			
TIE-PLTG		79	-11	4	-64	-10	-12	-6	33	-38	-33	56	39	7	-44	-8	-16	-3	-15	22	6	8	-30	-9	-37	-16	-38	22	-19	23	33	50	-4	4	7	-16	11	39	15	-54	-22	15	42	12	42	17	-12	44	101			
Interconnection		109	19	34	-34	20	18	24	64	-7	-3	86	69	37	-13	23	15	28	16	53	36	38	1	21	-7	14	-7	53	11	53	64	81	26	35	36	13	42	70	45	-24	8	45	73	43	71	47	19	75	131			
System Total		13884	13475	13174	12837	12658	12405	12189	12002	11904	11731	11542	11572	11582	11803	11797	11771	12372	13590	14395	15044	15508	15900	16237	16411	16285	16018	15947	16111	16410	16627	16444	16490	16549	16542	16183	15534	14986	14577	14535	15335	15743	15679	15761	15675	15352	15196	15048	14723			
SRev ST-Coal		235	232	232	176	245	218	217	233	461	324	226	149	45	205	221	229	218	246	222	239	217	188	200	187	192	182	162	197	182	193	132	145	160	136	65	177	150	135	137	111	122	122	142	134	128	182	202	215			
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		184	387	112	596	654	888	1094	1225	1446	1769	1930	1995	2129	2277	2361	2376	1933	1381	924	459	435	280	268	273	376	389	355	373	293	259	450	271	308	339	406	292	714	1099	1213	490	260	386	120	183	347	282	256	478			
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		8	2	0	1	1	2	1	0	1	2	1	0	0	-1	-2	0	-2	-2	-1	-1	-2	0	2	1	2	1	0	2	1	2	3	2	2	1	0	0	-1	-1	-1	0	0	0	-1	1	14	2	2				
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	714	714	714	512	512	361	235	235	235	235	235	235	235	235	323	424	424	424	525	525	601	374	525	525	424	525	525	525	525	676	676	676			
Hydro		247	64	79	56	57	101	107	107	90	227	110	111	104	247	107	127	66	215	229	381	329	372	479	477	473	406	462	526	474	436	459	358	182	204	409	402	284	253	400	216	451	486	429	433	319	132	126	134			
S.Reserve Total		1476	1487	1225	1631	1759	2011	2222	2368	2799	2972	3070	3058	3080	3380	3490	3532	3019	2554	2087	1792	1492	1350	1308	1176	1281	1372	1379	1408	1265	1264	1437	1296	1111	1117	1313	1490	1673	2087	2123	1341	1358	1418	1216	1274	1320	1286	1262	1505			