

**Availability at Daily Maximum Demand Hour**

ST-Coal	2,900 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,258 MW
Hydro	1,783 MW
Distillate	0 MW
<b>Total TNB</b>	<b>9,941 MW</b>
<b>Total IPP</b>	<b>11,405 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,346 MW</b>

**Generation Mix**

Type	MWh	Percentage
ST-Coal	67,599	18.84 %
Gas	74,704	20.82 %
Hydro	9,925	2.77 %
<b>Total TNB</b>	<b>152,228</b>	<b>42.42 %</b>
ST-Coal	129,985	36.22 %
ST-Gas	173	0.05 %
Gas	76,072	21.20 %
<b>Total IPP</b>	<b>206,230</b>	<b>57.47 %</b>
Co-Gen	1,060	0.30 %
<b>Total Co-Gen</b>	<b>1,060</b>	<b>0.30 %</b>
<b>Total Generation</b>	<b>359,518</b>	<b>100.18 %</b>
PLTG	-73	-0.02 %
HVDC	728	0.20 %
<b>Interconnection</b>	<b>655</b>	<b>0.18 %</b>
<b>Net Energy</b>	<b>358,863</b>	<b>100.00 %</b>

**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:	15:30:00 Hour
Total Set On Bus	18,394 MW
TNB Generation	7,409 MW
IPP Generation	9,893 MW
Spinning Reserve	1,049 MW
Maximum Demand	17,286 MW
Net Energy	358,863 MWH
Load Factor	86.50 %

**Fuel Cost**

Total Cost:	49,161,971.30 RM
Cost per Unit	14.07 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	321
Hydro	423
Syncon	328
Thermal	129
<b>Total</b>	<b>1,201</b>

**Time Weather Temperature**

Afternoon	Hot	35
Morning	Sunny	27

**Gas Usage**

Station	(mmscfd)
GLGR	53
NPRI	151
PAKA	49
PGPS	42
SRDG	15
TJGS	221
<b>Total TNB</b>	<b>530</b>

KLPP	98
MPSS	50
PDPS	39
PGLA	95
PKLG	3
PLPS	94
PTEK	30
SGRI	171
SKSP	40
PKLG	2
<b>Total IPP</b>	<b>621</b>
<b>Total Gas</b>	<b>1,151</b>

**Total Gas Required 1,151**

**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	14645	13867	13306	12878	12630	12338	12400	12380	12750	14594	15751	16522	16473	16198	16957	17239	17216	16733	15436	14861	16126	16037	15709	15397





### Daily MW Generation on Thursday

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
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		195	193	171	214	185	170	168	170	166	166	170	166	187	169	167	160	178	150	204	238	395	446	711	630
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
PCUF	CUGF	22	22	21	21	21	21	22	21	22	22	23	23	23	22	22	22	21	21	22	21	22	22	20	19
PCUF	CUFK	24	24	23	24	22	24	22	24	24	22	23	23	24	24	23	22	25	23	24	23	24	23	22	23
Total Co-Gen		46	46	44	45	43	45	44	45	46	44	44	45	46	47	46	46	45	47	45	46	45	45	44	45
Total Gen		14656	14286	13982	13586	13363	13137	12934	12737	12627	12389	12323	12344	12417	12534	12434	12287	12796	14058	14630	15271	15840	16058	16537	16632
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
TIE-HVDC		30	30	31	31	31	30	30	29	29	29	29	30	30	30	30	30	30	30	30	31	31	30	30	30
TIE-PLTG		-19	55	4	-50	26	-50	26	-60	-33	1	-45	14	-13	-2	23	33	16	19	6	-62	59	-154	-15	-4
Interconnection		11	85	35	-19	57	-19	56	-30	-3	30	-15	44	17	28	54	63	46	49	36	-31	89	-124	15	26
System Total		14645	14201	13867	13605	13306	13156	12878	12767	12630	12359	12338	12300	12400	12506	12380	12224	12750	14009	14594	15302	15751	16182	16522	16606
SRev ST-Coal		271	310	220	298	257	259	228	214	226	225	224	211	214	225	226	225	212	228	211	197	112	70	98	126
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
SRev CCGT-Gas		507	422	608	410	286	575	805	967	1065	1301	1373	1366	1311	1162	1261	1980	1603	735	352	337	262	190	200	146
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
SRev Co-Gen		-35	-35	-33	-34	-32	-34	-33	-34	-35	-33	-34	-35	-36	-35	-34	-36	-34	-35	-34	-34	-33	-34	-32	-32
Syncon		802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	479	630	328	328	328	328	227	227	126
Hydro		259	261	133	90	119	134	136	134	138	138	134	138	268	135	137	144	126	154	125	116	391	189	376	457
S.Reserve Total		1816	1772	1742	1578	1444	1748	1950	2095	2208	2445	2512	2495	2421	2300	2403	3128	2721	1895	1468	1429	1277	1059	1055	1069