

**Availability at Daily Maximum Demand Hour**

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,751 MW
Hydro	1,873 MW
Distillate	0 MW
Total TNB	<u>5,624 MW</u>
Total IPP	<u>14,141 MW</u>
Total Co-Gen	<u>27 MW</u>
Total System	<u>20,356 MW</u>

**Generation Mix**

Type	MWh	Percentage
Gas	61,703	17.75 %
Hydro	7,730	2.22 %
<b>Total TNB</b>	<b>69,433</b>	<b>19.98 %</b>
ST-Coal	154,751	44.53 %
Gas	124,183	35.73 %
<b>Total IPP</b>	<b>278,934</b>	<b>80.26 %</b>
Co-Gen	371	0.11 %
<b>Total Co-Gen</b>	<b>371</b>	<b>0.11 %</b>
<b>Total Generation</b>	<b>348,738</b>	<b>100.35 %</b>
PLTG	483	0.14 %
HVDC	730	0.21 %
<b>Interconnection</b>	<b>1,213</b>	<b>0.35 %</b>
<b>Net Energy</b>	<b>347,525</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:	16:30:00 Hour
Total Set On Bus	18,340 MW
TNB Generation	3,583 MW
IPP Generation	13,599 MW
Spinning Reserve	1,145 MW
Maximum Demand	17,177 MW
Net Energy	347,525 MWH
Load Factor	84.30 %

**Fuel Cost**

Total Cost:	50,286,977.05 RM
Cost per Unit	14.74 cents/kWH

**Average Spinning Reserve During Peak Hour**

Type	MW
GT	400
Hydro	215
Syncon	584
Thermal	74
<b>Total</b>	<b>1,273</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	13063	12495	12050	11657	11358	11193	11284	11129	12232	14457	15557	16253	16302	16159	16711	17124	17171	16787	15430	15067	16151	16144	15696	15249

**Gas Usage**

Station	(mmscfd)
GLGR	57
PAKA	126
PGGS	3
PGPS	31
SRDG	22
TJGS	224
<b>Total TNB</b>	<b>464</b>

**Alternate Fuel Usage**

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

CBPS	56
KLPP	115
MPSS	36
NPRI	148
PDPS	10
PGLA	107
PKLG	15
PLPS	99
PTEK	36
SGB3	62
SGRI	218
SKSP	33
<b>Total IPP</b>	<b>935</b>
<b>Total Gas</b>	<b>1,398</b>
<b>Total Gas Required</b>	<b>1,398</b>





### Daily MW Generation on Tuesday

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
PGAU	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
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY04	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	HY01	29	27	31	29	31	25	22	25	32	22	25	25	30	34	27	31	30	34	52	78	83	83	79	82
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	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		152	150	153	151	156	145	133	139	154	156	142	142	151	160	166	154	153	160	217	648	528	488	505	538
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	CUFG	-3	-4	-2	-4	-2	-3	-3	-1	-2	-1	-2	-2	-1	-1	0	-2	-3	-3	-3	-3	-5	-5	-5	-5
PCUF	CUFK	20	20	20	19	20	19	20	20	20	19	20	20	19	22	20	19	20	19	20	19	20	19	20	19
Total Co-Gen		17	16	18	15	18	16	17	19	18	18	18	18	19	18	22	18	16	16	16	17	14	15	15	13
Total Gen		13060	12682	12420	12300	12053	11870	11713	11509	11376	11283	11265	11246	11315	11441	11243	11547	12276	13585	14482	15142	15641	15971	16278	
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	31	31	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	30	30	31	31	30
TIE-PLTG		-33	-88	-105	6	-23	32	25	59	-13	19	42	14	0	8	84	69	14	53	-5	101	53	-10	-5	
Interconnection		-3	-57	-75	37	3	62	56	89	18	50	72	44	31	38	114	99	44	82	25	132	84	20	25	
System Total		13063	12739	12495	12263	12050	11808	11657	11420	11358	11233	11193	11202	11284	11403	11129	11448	12232	13503	14457	15010	15557	15951	16253	
SRev ST-Coal		337	564	709	707	710	707	708	708	710	711	711	714	708	709	712	704	473	318	251	135	58	65	75	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	6	62	132	
SRev CCGT-Gas		310	276	223	358	302	476	584	501	413	480	485	496	442	328	516	1073	1863	1065	611	561	370	295		
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	
SRev Co-Gen		10	11	9	12	9	11	10	8	9	9	9	9	9	9	8	9	5	9	11	11	10	13	12	
Syncon		802	802	802	802	802	802	802	802	651	802	802	802	802	802	651	802	802	802	298	298	550	550	550	
Hydro		141	143	140	142	137	148	160	154	139	288	151	151	142	133	278	132	140	133	76	149	319	282	265	
S.Reserve Total		1600	1796	1883	2021	1960	2144	2264	2173	2073	2139	2158	2172	2103	1981	2165	2720	3283	2327	1751	1154	1140	1208	1383	