

#### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,134 MW
Hydro	2,507 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,641 MW</b>
<b>Total IPP</b>	<b>14,746 MW</b>
<b>Total Co-Gen</b>	<b>30 MW</b>
<b>Total System</b>	<b>20,417 MW</b>

#### Generation Mix

Type	MWh	Percentage
Gas	56,479	17.17 %
Hydro	6,749	2.05 %
<b>Total TNB</b>	<b>63,228</b>	<b>19.23 %</b>
ST-Coal	174,128	52.95 %
Gas	90,844	27.63 %
<b>Total IPP</b>	<b>264,972</b>	<b>80.58 %</b>
Co-Gen	460	0.14 %
<b>Total Co-Gen</b>	<b>460</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>328,660</b>	<b>99.94 %</b>
PLTG	515	0.16 %
HVDC	-700	-0.21 %
Interconnection	-185	-0.06 %
<b>Net Energy</b>	<b>328,845</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:	11:30:00 Hour
Total Set On Bus	17,082 MW
TNB Generation	3,121 MW
IPP Generation	12,354 MW
Spinning Reserve	1,586 MW
Maximum Demand	15,468 MW
Net Energy	328,845 MWH
Load Factor	88.58 %

#### Fuel Cost

Total Cost:	45,186,163.40 RM
Cost per Unit	14.03 cents/kWH

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	661
Hydro	224
Syncon	1,070
Thermal	95
<b>Total</b>	<b>2,050</b>

Time	Weather	Temperature
Afternoon	Hot	25
Morning	Sunny	29

#### Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	44
PAKA	141
PGPS	26
TJGS	210
<b>Total TNB</b>	<b>424</b>
CBPS	55
KLPP	92
MPSS	48
NPRI	144
PGLA	100
PLPS	84
SGRI	154
SKSP	11
<b>Total IPP</b>	<b>687</b>
<b>Total Gas</b>	<b>1,111</b>

**Total Gas Required 1,111**

#### 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	13385	12753	12389	11969	11633	11410	11650	11934	12342	14095	14828	15369	15225	14751	15037	15185	15156	14893	14159	14432	14603	14339	13765	13236





**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
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
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		211	212	211	206	208	207	208	202	230	210	202	230	210	206	204	204	211	212	210	208	227	311	661	655
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	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PCUF	CUFK	19	16	19	19	18	17	16	18	18	18	19	17	19	18	18	18	19	18	18	18	19	19	19	19
Total Co-Gen		19	16	19	19	19	17	16	19	19	19	19	17	20	19	20	19	20	21	21	18	18	19	18	19
Total Gen		13385	13137	12755	12541	12381	12146	11969	11762	11631	11509	11462	11611	11684	11836	11936	11895	12375	13315	14058	14460	14842	15119	15343	
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	
TIE-HVDC		-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		29	53	31	16	21	36	21	-6	28	38	71	53	64	-11	32	36	62	-6	-10	-11	42	10	3	
Interconnection		0	24	2	-13	-8	6	-9	-35	-2	9	42	24	34	-41	2	7	33	-35	-39	-39	14	-18	-26	
System Total		13385	13113	12753	12554	12389	12140	11989	11797	11633	11500	11410	11587	11650	11877	11934	11888	12342	13350	14095	14499	14828	15137	15369	
SRev ST-Coal		128	193	172	253	327	451	449	448	685	671	664	662	661	650	538	413	427	253	122	135	130	139	137	
SRev CCGT-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 CCGT-Gas		1020	1200	1309	1437	1525	1633	1821	2017	1939	2055	2111	1982	1888	1736	1755	1921	1433	1121	873	703	772	571	700	
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		11	14	11	11	11	13	14	11	11	11	11	11	13	10	11	10	11	10	11	12	11	10	9	
Syncon		1267	1166	1166	1166	1166	1166	1166	1015	1267	1267	1116	1267	1267	1267	1267	1267	1267	1116	1116	475	475	702	1116	
Hydro		125	126	127	132	130	131	130	136	259	127	135	258	127	131	133	133	126	125	127	129	261	127	418	
S.Reserve Total		2552	2799	2885	3099	3259	3494	3680	3878	4009	4131	4188	4029	3958	3804	3704	3744	3264	2776	2400	2246	2290	1963	1739	