

## Daily System Generation Summary on Monday

Monday, June 13, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,594 MW
Hydro	2,037 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,631 MW</b>
<b>Total IPP</b>	<b>15,310 MW</b>
<b>Total Co-Gen</b>	<b>24 MW</b>
<b>Total System</b>	<b>21,250 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	46,234	13.47 %
Hydro	8,499	2.48 %
<b>Total TNB</b>	<b>54,733</b>	<b>15.95 %</b>
ST-Coal	193,929	56.52 %
Gas	93,226	27.17 %
<b>Total IPP</b>	<b>287,155</b>	<b>83.69 %</b>
Co-Gen	316	0.09 %
<b>Total Co-Gen</b>	<b>316</b>	<b>0.09 %</b>
<b>Total Generation</b>	<b>342,204</b>	<b>99.73 %</b>
PLTG	-227	-0.07 %
HVDC	-694	-0.20 %
<b>Interconnection</b>	<b>-921</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>343,125</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:	15:30:00 Hour
Total Set On Bus	17,869 MW
TNB Generation	3,147 MW
IPP Generation	13,129 MW
Spinning Reserve	1,580 MW
Maximum Demand	16,341 MW
Net Energy	343,125 MWH
Load Factor	87.49 %

### Fuel Cost

Total Cost:	41,894,260.15 RM
Cost per Unit	12.55 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	543
Hydro	293
Syncon	673
Thermal	146
<b>Total</b>	<b>1,655</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	5
GLGR	53
PAKA	46
PGPS	26
SRDG	2
TJGS	206
<b>Total TNB</b>	<b>339</b>
CBPS	50
KLPP	96
MPSS	41
NPRI	132
PGLA	108
PLPS	79
PTEK	3
SGRI	153
SKSP	31
<b>Total IPP</b>	<b>693</b>

**Total Gas 1,032**

**Total Gas Required 1,032**

### 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	13543	12963	12372	11930	11811	11851	11771	11566	12358	14333	15199	15709	15719	15485	16034	16304	16240	15828	14956	14697	15414	15745	15377	14995





### 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
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		184	163	159	179	166	157	155	180	164	158	158	159	150	180	167	166	185	182	163	282	278	486	569	580
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	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	7	13	14	14	13	14	14	14	15	13	15	13	14	14	15	12	12	13	13	14	14	10	12	14
Total Co-Gen		7	13	14	14	13	14	14	15	15	13	16	13	14	14	15	10	12	14	13	14	13	13	14	13
Total Gen		13490	13052	12900	12570	12317	12049	11873	11759	11748	11823	11798	11813	11739	11847	11572	11713	12310	13561	14296	14840	15198	15555	15735	
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		-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-25	-7	-35	14	-26	-38	-27	-16	-34	-18	-24	-25	-3	-33	35	13	-19	25	-8	-10	28	11	55	
Interconnection		-53	-35	-63	-15	-55	-68	-57	-45	-63	-46	-53	-53	-32	-61	6	-16	-48	-4	-37	-38	-1	-18	26	
System Total		13543	13087	12963	12585	12372	12117	11930	11804	11811	11869	11851	11866	11771	11908	11566	11729	12358	13565	14333	14878	15199	15573	15709	
SRev ST-Coal		32	194	188	190	120	114	143	128	109	204	116	119	155	277	478	510	265	216	219	192	197	124	132	
SRev OCGT-Gas		54	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		461	628	593	950	1164	1445	1593	2201	2216	1937	2152	2199	2434	2235	2355	2259	1982	1499	1171	836	618	567	502	
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		17	11	10	10	11	10	10	12	9	11	11	14	10	10	9	12	13	13	14	13	12	14	12	
Syncon		800	951	951	951	951	951	951	800	951	951	951	951	800	800	800	800	951	951	951	951	781	579	428	
Hydro		283	153	157	137	150	159	161	287	152	158	158	157	166	287	300	301	282	134	153	167	171	251	370	
S.Reserve Total		1647	1937	1899	2238	2396	2679	2858	3426	3440	3259	3388	3437	3710	3609	3943	3878	3341	2813	2507	2160	1950	1735	1597	