

## Daily System Generation Summary on Tuesday

Tuesday, November 08, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,202 MW
Hydro	2,507 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,709 MW</b>
<b>Total IPP</b>	<b>14,584 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,293 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	62,901	18.14 %
Hydro	14,145	4.08 %
<b>Total TNB</b>	<b>77,046</b>	<b>22.22 %</b>
ST-Coal	181,134	52.25 %
ST-Gas	5,641	1.63 %
ST-Oil	4,925	1.42 %
Gas	76,545	22.08 %
<b>Total IPP</b>	<b>268,245</b>	<b>77.38 %</b>
Co-Gen	1,088	0.31 %
<b>Total Co-Gen</b>	<b>1,088</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>346,379</b>	<b>99.91 %</b>
PLTG	405	0.12 %
HVDC	-700	-0.20 %
<b>Interconnection</b>	<b>-295</b>	<b>-0.09 %</b>
<b>Net Energy</b>	<b>346,674</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:	14:30:00 Hour
Total Set On Bus	18,494 MW
TNB Generation	3,947 MW
IPP Generation	12,654 MW
Spinning Reserve	1,847 MW
Maximum Demand	16,677 MW
Net Energy	346,674 MWH
Load Factor	86.61 %

### Fuel Cost

Total Cost:	47,863,284.05 RM
Cost per Unit	14.46 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	487
Hydro	385
Syncon	866
Thermal	209
<b>Total</b>	<b>1,947</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	16
PAKA	186
PGPS	24
TJGS	209
<b>Total TNB</b>	<b>481</b>

KLPP	92
NPRI	145
PGLA	53
PKLG	3
PLPS	72
PTEK	7
SGRI	163
SKSP	49
PKLG	55
<b>Total IPP</b>	<b>640</b>

**Total Gas 1,121**

**Total Gas Required 1,170**

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	49
<b>Total</b>	<b>49</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	13447	12859	12403	12087	11861	11691	11901	11963	12564	14358	15305	15949	15987	15753	16361	16651	16628	16118	15073	15382	15896	15705	15251	14740





### 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
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	-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	HY02	34	35	36	35	36	34	32	30	33	34	33	35	35	36	37	38	37	33	0	0	0	0	0	0
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
UJLI	HY01	0	0	0	0	0	0	0	0	63	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	188	184	165	127
UJLI	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
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	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
Total Hydro		290	225	225	229	164	166	158	157	159	223	160	176	161	222	165	171	173	183	182	211	314	615	841	941
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	CURF	28	28	27	29	29	29	28	28	29	29	29	30	30	30	29	29	29	28	28	27	27	26	26	25
PCUF	CUFK	17	18	18	19	19	19	17	18	18	15	17	18	18	18	16	18	18	18	18	18	18	18	18	18
Total Co-Gen		45	46	45	48	48	48	45	46	47	44	46	48	48	45	47	48	46	45	45	43	46	44	44	44
Total Gen		13382	13099	12861	12648	12397	12240	12047	11863	11813	11720	11693	11792	11891	12265	11976	12042	12573	13566	14330	14932	15289	15685	15903	
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	
TIE-PLTG		-26	10	31	-6	23	-35	-10	37	-19	102	31	-12	18	47	43	33	38	-14	1	4	14	-1	-16	
Interconnection		-55	-19	2	-35	-6	-64	-40	8	-48	73	2	-41	-10	19	13	3	9	-43	-28	-28	-16	-30	-46	
System Total		13447	13118	12859	12683	12403	12304	12087	11855	11861	11647	11691	11833	11901	12246	11963	12029	12504	13609	14368	14958	15305	15715	15949	
SRev ST-Coal		156	210	184	190	216	252	304	185	207	290	282	404	410	288	302	315	198	195	128	193	193	166	168	
SRev ST-Oil		75	75	75	75	75	75	74	74	75	75	75	73	74	75	37	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	-9	-8	-8	-7	-7	14	13	13	
SRev CCGT-Gas		994	1169	1436	1594	1756	1727	1777	1961	1992	2063	2037	1834	1714	1403	1626	1560	1144	810	523	600	591	532	540	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	73	74	88	11	-1	-2	-2	-4	
SRev Co-Gen		-25	-26	-25	-28	-28	-28	-25	-26	-27	-24	-26	-28	-28	-28	-25	-27	-28	-26	-25	-25	-23	-24	-23	
Syncon		1061	1162	1162	1162	1162	1162	1162	1162	1162	1349	1349	1349	1198	1349	1349	1349	1011	1011	1011	1162	1162	1061	1061	
Hydro		209	173	173	169	134	132	140	141	139	261	137	121	136	226	132	126	124	266	265	286	132	117	91	
S.Reserve Total		2470	2763	3005	3182	3315	3320	3433	3497	3547	3827	3854	3755	3658	3160	3456	3398	2862	2352	2054	2230	2143	2033	2015	