

## Daily System Generation Summary on Monday

Monday, October 24, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,205 MW
Hydro	2,022 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,227 MW</b>
<b>Total IPP</b>	<b>14,387 MW</b>
<b>Total Co-Gen</b>	<b>53 MW</b>
<b>Total System</b>	<b>19,667 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	59,749	17.66 %
Hydro	9,272	2.74 %
<b>Total TNB</b>	<b>69,021</b>	<b>20.40 %</b>
ST-Coal	183,013	54.08 %
ST-Gas	4,113	1.22 %
Gas	81,450	24.07 %
<b>Total IPP</b>	<b>268,576</b>	<b>79.37 %</b>
Co-Gen	1,172	0.35 %
<b>Total Co-Gen</b>	<b>1,172</b>	<b>0.35 %</b>
<b>Total Generation</b>	<b>338,769</b>	<b>100.11 %</b>
PLTG	-243	-0.07 %
HVDC	630	0.19 %
<b>Interconnection</b>	<b>387</b>	<b>0.11 %</b>
<b>Net Energy</b>	<b>338,382</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	18,034 MW
TNB Generation	3,705 MW
IPP Generation	12,391 MW
Spinning Reserve	1,892 MW
Maximum Demand	16,130 MW
Net Energy	338,382 MWH
Load Factor	87.41 %

### Fuel Cost

Total Cost:	46,792,888.90 RM
Cost per Unit	14.26 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	233
Syncon	959
Thermal	188
<b>Total</b>	<b>1,873</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
CBPS	43
GLGR	15
PAKA	134
PGPS	25
SRDG	21
TJGS	221
<b>Total TNB</b>	<b>458</b>
KLPP	96
MPSS	31
NPRI	147
PDPS	8
PKLG	11
PLPS	90
PTEK	19
SGRI	177
SKSP	48
PKLG	40
<b>Total IPP</b>	<b>668</b>
<b>Total Gas</b>	<b>1,126</b>
<b>Total Gas Required</b>	<b>1,126</b>

### 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	13367	12656	12169	11831	11628	11429	11658	11553	12259	14061	14974	15615	15596	15352	15903	16128	16124	15760	14749	15090	15523	15419	14888	14336







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
TMGR	HY01	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
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	
TMGR	HY03	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
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	
Total Hydro		499	320	354	367	342	333	350	388	196	194	180	170	158	159	159	179	193	191	231	244	276	603	592	
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	
PCUF	CUFG	33	32	32	32	32	33	33	33	33	33	33	33	32	30	30	19	28	27	29	27	29	29	28	
PCUF	CUFK	19	20	17	19	17	19	18	17	19	19	16	16	19	18	17	19	17	19	19	18	18	18	18	
Total Co-Gen		52	52	49	51	49	51	50	52	52	49	48	51	52	52	51	51	47	49	36	45	46	46	46	
Total Gen		13357	12909	12613	12505	12206	12078	11852	11768	11648	11449	11443	11558	11660	11881	11646	11573	12233	13184	14103	14539	14912	15264	15597	
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		-30	-30	-28	30	30	30	30	30	30	30	29	29	30	30	30	30	30	31	31	30	30	30	30	
TIE-PLTG		21	-45	-14	6	6	7	-9	0	-10	-19	-16	-14	-28	9	63	3	-56	-25	12	-43	-92	-66	-48	
Interconnection		-10	-75	-43	37	37	21	31	20	11	14	16	2	38	93	33	-26	4	42	-14	-62	-36	-18	40	
System Total		13367	12984	12656	12468	12169	12041	11831	11737	11628	11438	11429	11542	11658	11843	11553	11540	12259	13180	14061	14553	14974	15300	15615	
SRev ST-Coal		133	124	117	127	121	127	175	264	335	320	330	320	323	324	324	313	324	248	229	193	173	177	170	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	192	172	180	184	18	20	52	188	330	
SRev CCGT-Gas		300	438	696	809	1087	1202	1386	1418	1277	1489	1468	1352	1409	1277	1521	1643	1163	715	475	512	313	373	399	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	29	29	31	33	34	38	43	23	0	0	0	
SRev Co-Gen		1	1	4	2	4	2	3	1	1	4	5	2	3	4	2	1	2	2	6	4	17	8	7	
Syncon		999	999	1100	1100	1100	1100	798	949	949	1100	1100	1100	1100	949	1100	1100	949	949	1100	999	999	999	949	
Hydro		98	277	142	129	154	163	146	410	251	253	116	126	138	137	137	268	103	105	316	203	170	219	205	
S.Reserve Total		1531	1839	2059	2187	2466	2594	2809	2893	2813	3012	3018	2903	2972	2841	3115	3204	2722	2202	2187	2069	1965	1979	1808	