

## Daily System Generation Summary on Monday

Monday, August 08, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,889 MW
Hydro	2,093 MW
Distillate	0 MW
Total TNB	4,982 MW
Total IPP	15,046 MW
Total Co-Gen	20 MW
Total System	20,048 MW

### Generation Mix

Type	MWh	Percentage
Gas	53,157	15.23 %
Hydro	11,248	3.22 %
<b>Total TNB</b>	<b>64,405</b>	<b>18.46 %</b>
ST-Coal	172,467	49.43 %
ST-Gas	823	0.24 %
ST-Oil	4,710	1.35 %
Gas	106,546	30.54 %
<b>Total IPP</b>	<b>284,546</b>	<b>81.55 %</b>
Co-Gen	322	0.09 %
<b>Total Co-Gen</b>	<b>322</b>	<b>0.09 %</b>
<b>Total Generation</b>	<b>349,273</b>	<b>100.10 %</b>
PLTG	135	0.04 %
EGAT	-11	0.00 %
HVDC	227	0.07 %
<b>Interconnection</b>	<b>351</b>	<b>0.10 %</b>
<b>Net Energy</b>	<b>348,922</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:	16:00:00 Hour
Total Set On Bus	18,210 MW
TNB Generation	3,225 MW
IPP Generation	13,527 MW
Spinning Reserve	1,444 MW
Maximum Demand	16,767 MW
Net Energy	348,922 MWH
Load Factor	86.71 %

### Fuel Cost

Total Cost:	48,077,164.50 RM
Cost per Unit	14.22 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	373
Hydro	244
Syncon	702
Thermal	189
<b>Total</b>	<b>1,508</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
CBPS	31
GLGR	31
PAKA	181
PGPS	49
SRDG	28
TJGS	111
<b>Total TNB</b>	<b>431</b>

CBPS	55
KLPP	101
MPSS	57
NPRI	149
PDPS	17
PGLA	110
PKLG	18
PLPS	95
PTEK	25
SGRI	190
PKLG	9
<b>Total IPP</b>	<b>826</b>
<b>Total Gas</b>	<b>1,257</b>

**Total Gas Required 1,304**

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	46
<b>Total</b>	<b>46</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	13733	13029	12544	12222	11802	11726	11850	11882	12447	14382	15383	16168	16183	15926	16514	16664	16767	16349	15049	14748	15926	15947	15552	15238





### 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
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1
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	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
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	61	61	59	64	60	42
TMGR	HY02	37	39	35	35	34	35	34	35	35	35	35	36	35	34	34	35	35	37	34	33	35	35	34	36
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	59	60	59	59	60
TMGR	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	178	176	0	0	0	0
UPIA	HY02	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		164	167	159	160	177	158	157	159	158	158	181	158	183	160	157	158	159	159	270	423	400	532	507	502
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	CUFK	14	14	13	15	14	13	14	14	13	13	13	13	13	14	13	13	13	13	13	13	13	13	13	13
Total Co-Gen		14	14	13	15	14	13	14	14	13	13	13	13	13	14	13	13	13	13	13	13	13	13	13	13
Total Gen		13745	13434	13135	12719	12594	12409	12257	12077	11853	11805	11768	11649	11915	12037	11976	11824	12460	13543	14371	15032	15478	15793	16193	16372
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	31	31	0	31	30	30	31	31	31	31	30	30	30	30	30	30	29	29	31	31	29	29	30
TIE-PLTG		-17	-12	76	0	19	29	5	35	21	21	11	21	35	0	64	-38	-17	12	-41	27	65	-3	-5	6
Interconnection		12	18	106	0	50	59	35	66	51	52	42	51	65	30	94	-8	13	41	-11	57	95	27	25	36
System Total		13733	13418	13029	12719	12544	12350	12222	12011	11802	11753	11726	11598	11850	12007	11882	11832	12447	13502	14382	14975	15383	15766	16168	16336
SRev ST-Coal		114	108	125	230	233	226	98	127	112	114	107	104	109	125	191	481	512	409	319	204	83	94	159	180
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	38	38	38	38	38	38	38	41	6	0	0	0	0	0
SRev OCGT-Gas		39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138	24	105	71	87	43
SRev CCGT-Gas		304	458	689	881	558	514	834	987	1228	1274	1341	1540	1294	1266	1357	1589	1149	883	383	309	345	297	200	200
SRev ST-Cas		16	41	39	37	37	37	37	37	37	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		6	6	7	5	6	7	6	6	7	7	7	7	7	6	7	6	7	6	7	7	7	7	6	7
Syncon		1089	938	938	938	938	1089	1089	1089	1089	1089	938	1089	938	1089	1089	1089	938	1089	938	1089	1089	918	918	918
Hydro		120	118	126	125	258	126	127	125	126	126	254	126	252	124	127	126	125	125	140	138	286	381	255	260
S.Reserve Total		1688	1669	1924	2216	2030	1999	2191	2371	2599	2648	2685	2904	2638	2648	2806	3329	2919	2554	1817	1608	1557	1489	1428	1489