

## Daily System Generation Summary on Monday

Monday, November 30, 2015

### Availability at Daily Maximum Demand Hour

ST-Coal	2,300 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,736 MW
Hydro	2,007 MW
Distillate	0 MW
<b>Total TNB</b>	<b>8,043 MW</b>
<b>Total IPP</b>	<b>9,952 MW</b>
<b>Total Co-Gen</b>	<b>30 MW</b>
<b>Total System</b>	<b>18,595 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	50,680	15.71 %
Gas	63,800	19.78 %
Hydro	12,264	3.80 %
<b>Total TNB</b>	<b>126,744</b>	<b>39.30 %</b>
ST-Coal	106,768	33.10 %
Gas	88,689	27.50 %
<b>Total IPP</b>	<b>195,457</b>	<b>60.60 %</b>
Co-Gen	626	0.19 %
<b>Total Co-Gen</b>	<b>626</b>	<b>0.19 %</b>
<b>Total Generation</b>	<b>322,827</b>	<b>100.09 %</b>
PLTG	-353	-0.11 %
HVDC	638	0.20 %
<b>Interconnection</b>	<b>285</b>	<b>0.09 %</b>
<b>Net Energy</b>	<b>322,542</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	16,897 MW
TNB Generation	6,452 MW
IPP Generation	9,221 MW
Spinning Reserve	1,199 MW
Maximum Demand	15,643 MW
Net Energy	322,542 MWH
Load Factor	85.91 %

### Fuel Cost

Total Cost:	44,390,661.90 RM
Cost per Unit	14.29 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	385
Hydro	219
Syncon	602
Thermal	102
<b>Total</b>	<b>1,308</b>

### Time Weather Temperature

Afternoon	Cloudy	35
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	19
CBPS	47
GLGR	55
NPRI	28
PAKA	102
SRDG	8
TJGS	219
<b>Total TNB</b>	<b>478</b>

KLPP	103
MPSS	57
PDPS	37
PGLA	58
PKLG	25
PLPS	89
PTEK	35
SGB3	89
SGRI	169
SKSP	55
<b>Total IPP</b>	<b>716</b>

**Total Gas 1,194**

**Total Gas Required 1,194**

### 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	12330	11713	11301	10917	10634	10511	10741	11013	11823	13800	14803	15303	15333	14953	15355	15428	15442	15099	14152	14431	14711	14535	13991	13567

Prepared By: Mohd Yusof bin Ismail

Checked By: Siti Nurhamizatul Aini

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





**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	HY02	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	83	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	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	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	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	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	39	30	36	32	42	42	40	38	37	35	36	40	38	39	42	37	30	84	84	85	84	63	61	59
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	-1
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
UPLA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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		578	321	235	223	242	243	240	262	236	232	234	242	241	243	266	233	218	461	559	677	898	1162	1205	1317
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	12	13	13	12	13	13	14	14	13	14	14	15	15	15	15	15	15	13	14	15	15	15	15	15
PCUF	CUFK	13	13	13	12	13	13	13	14	13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13
Total Co-Gen		25	26	26	24	26	25	27	27	27	27	28	28	28	28	28	28	26	26	28	27	29	25	25	26
Total Gen		12286	11821	11647	11554	11252	11098	10927	10791	10653	10598	10495	10649	10784	10930	11021	11193	11841	12980	13810	14355	14819	15198	15360	15516
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	-28	-28	30	30	30	30	30	31	31	31	31	30	30	31	31	31	30	29	29	31	31	30	30
TIE-PLTG		-15	47	-37	1	-79	-60	-20	-12	-10	-41	-47	-29	12	-59	-12	13	-12	-81	-20	-15	-16	-32	27	-30
Interconnection		-44	19	-66	31	-49	-30	10	17	19	-10	-16	2	43	-29	18	44	18	-51	10	17	16	-2	57	0
System Total		12330	11802	11713	11523	11301	11128	10917	10774	10634	10608	10511	10647	10741	10959	11013	11149	11823	13031	13800	14338	14803	15200	15263	15516
SRev ST-Coal		85	127	123	114	59	87	96	89	109	126	110	95	100	87	98	106	91	55	110	114	121	144	121	104
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	181	38	127	187	173	165	178	136	190
SRev CCGT-Gas		222	351	468	543	956	1082	1226	1426	1515	1545	1664	1550	1403	1277	1258	1532	1078	502	515	351	294	305	317	307
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		5	4	4	6	4	5	3	3	3	3	2	2	4	3	2	2	4	2	3	1	5	5	4	5
Syncon		676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		192	148	134	146	126	125	128	257	132	136	134	125	126	124	252	134	149	57	210	242	67	223	180	193
S.Reserve Total		1180	1457	1556	1636	1972	2126	2280	2451	2586	2637	2738	2899	2458	2319	2287	2601	2147	1292	1523	1467	1099	1204	1211	1181