

## Daily System Generation Summary on Monday

Monday, September 28, 2015

### Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,848 MW
Hydro	1,732 MW
Distillate	0 MW
Total TNB	8,660 MW
Total IPP	9,882 MW
Total Co-Gen	0 MW
Total System	18,542 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	68,864	21.20 %
Gas	67,713	20.85 %
Hydro	10,322	3.18 %
<b>Total TNB</b>	<b>146,899</b>	<b>45.23 %</b>
ST-Coal	74,626	22.98 %
ST-Gas	3,295	1.01 %
Gas	97,581	30.05 %
<b>Total IPP</b>	<b>175,502</b>	<b>54.04 %</b>
Co-Gen	1,542	0.47 %
<b>Total Co-Gen</b>	<b>1,542</b>	<b>0.47 %</b>
<b>Total Generation</b>	<b>323,943</b>	<b>99.74 %</b>
PLTG	-219	-0.07 %
HVDC	-613	-0.19 %
<b>Interconnection</b>	<b>-832</b>	<b>-0.26 %</b>
<b>Net Energy</b>	<b>324,775</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:	15:30:00 Hour
Total Set On Bus	16,792 MW
TNB Generation	7,028 MW
IPP Generation	8,404 MW
Spinning Reserve	1,299 MW
Maximum Demand	15,521 MW
Net Energy	324,775 MWH
Load Factor	87.19 %

### Fuel Cost

Total Cost:	49,561,249.92 RM
Cost per Unit	15.80 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	415
Hydro	286
Syncon	512
Thermal	88
<b>Total</b>	<b>1,301</b>

Time	Weather	Temperature
Afternoon	Rainy	28
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	15
CBPS	46
GLGR	57
PAKA	122
PGPS	42
SRDG	16
TJGS	218
<b>Total TNB</b>	<b>515</b>

KLPP	46
MPSS	52
PDPS	20
PGLA	109
PKLG	18
PLPS	101
PTEK	19
SGB3	88
SGRI	170
SKSP	56
YPKA	107
PKLG	33
<b>Total IPP</b>	<b>818</b>
<b>Total Gas</b>	<b>1,333</b>

**Total Gas Required 1,333**

### 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	12547	11902	11390	11086	10972	10691	10982	11116	12029	14013	14742	15286	15242	14845	15154	15400	15502	15079	14196	14377	14867	14618	14028	13576

Prepared By: Mohd Yusof bin Ismail

Checked By: Kannathason a/i Karupiah

Printed on: Tuesday, September 29, 2015 8:01:42 AM  
(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	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
PGAU	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
PGAU	HY03	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
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
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	29	36	33	38	37	35	32	35	34	27	34	34	36	46	27	31	33	84	24	34	34	36	55	35
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		164	197	167	196	192	178	165	194	178	154	184	200	217	345	160	173	196	648	568	627	626	737	757	770
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	33	33	33	33	34	33	32	32	32	32	33	34	31	34	34	32	35	36	35	35	35	35	37	36
PCUF	CUFK	31	31	30	31	31	29	30	32	29	31	31	31	31	30	29	30	29	29	29	29	29	30	30	29
Total Co-Gen		64	64	63	64	65	62	62	64	61	63	64	65	62	64	64	61	65	65	64	64	64	64	64	64
Total Gen		12616	12404	12016	11539	11326	11258	11065	10867	10913	10694	10666	10705	10948	11347	11146	11325	11972	13223	13949	14455	14690	15114	15223	15396
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	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		40	4	84	-46	-34	20	8	-52	-30	7	5	-39	-6	-12	59	-54	-28	-75	-35	-26	-22	-11	-33	
Interconnection		69	33	114	-76	-64	-9	-21	-81	-59	-23	-25	-68	-34	-41	30	-83	-57	-105	-64	-56	-52	-41	-63	
System Total		12547	12371	11902	11615	11390	11267	11086	10948	10972	10717	10691	10773	10982	11388	11116	11408	12029	13328	14013	14511	14742	15155	15286	
SRev ST-Coal		239	116	154	151	124	140	145	148	149	165	148	133	113	37	168	133	127	104	153	130	156	155	138	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	11	32	87	73	97	
SRev CCGT-Gas		354	221	319	668	905	942	1115	1341	1274	1458	1532	1525	1406	1214	1100	1151	978	472	527	241	328	64	115	
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		-20	-20	-19	-20	-21	-18	-20	-17	-19	-20	-21	-18	-20	-20	-17	-21	-21	-20	-20	-20	-23	-23	-22	
Sycon		726	575	726	726	726	726	575	726	726	726	575	726	726	575	726	726	539	453	453	453	539	539	539	
Hydro		132	250	129	100	104	118	131	253	118	142	112	96	230	102	136	123	100	120	391	332	333	443	480	
S.Reserve Total		1431	1142	1309	1625	1838	2008	2199	2397	2350	2572	2598	2559	2406	2008	2210	2246	2041	1246	1566	1183	1319	1065	1273	