

## Daily System Generation Summary on Friday

Friday, December 04, 2015

### Availability at Daily Maximum Demand Hour

ST-Coal	2,160 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,073 MW
Hydro	2,006 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,239 MW</b>
<b>Total IPP</b>	<b>10,943 MW</b>
<b>Total Co-Gen</b>	<b>25 MW</b>
<b>Total System</b>	<b>18,207 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	62	<b>Total</b>	<b>0</b>
GLGR	54		
NPRI	28		
PAKA	115		
PGPS	2		
SRDG	4		
TJGS	215		
<b>Total TNB</b>	<b>481</b>		
KLPP	99		
MPSS	52		
PDPS	5		
PGLA	114		
PKLG	5		
PLPS	90		
PTEK	5		
SGB3	86		
SGRI	163		
SKSP	53		
PKLG	105		
<b>Total IPP</b>	<b>776</b>		
<b>Total Gas</b>	<b>1,257</b>		
<b>Total Gas Required</b>	<b>1,257</b>		

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

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	16,842 MW
TNB Generation	5,810 MW
IPP Generation	10,035 MW
Spinning Reserve	974 MW
Maximum Demand	15,931 MW
Net Energy	335,204 MWH
Load Factor	87.67 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	48,667	14.52 %
Gas	64,421	19.22 %
Hydro	14,227	4.24 %
<b>Total TNB</b>	<b>127,315</b>	<b>37.98 %</b>
ST-Coal	110,143	32.86 %
ST-Gas	10,641	3.17 %
Gas	87,530	26.11 %
<b>Total IPP</b>	<b>208,314</b>	<b>62.15 %</b>
Co-Gen	566	0.17 %
<b>Total Co-Gen</b>	<b>566</b>	<b>0.17 %</b>
<b>Total Generation</b>	<b>336,195</b>	<b>100.30 %</b>
PLTG	263	0.08 %
HVDC	728	0.22 %
<b>Interconnection</b>	<b>991</b>	<b>0.30 %</b>
<b>Net Energy</b>	<b>335,204</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	46,514,730.65 RM
Cost per Unit	14.44 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	456
Hydro	392
Syncon	383
Thermal	238
<b>Total</b>	<b>1,469</b>

### Time Weather Temperature

Afternoon	Cloudy	32
Morning	Cloudy	28

### 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	13376	12824	12181	11960	11763	11712	11678	11720	12317	13851	14799	15394	15481	14963	15155	15748	15931	15606	14589	14731	15298	15034	14722	14225

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 (Gurcharan Singh)  
 Pengurus Besar Kanan  
 Jabatan Sistem Operasi





**Daily MW Generation on Friday**

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
MNOR	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	HY01	81	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	20	-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	-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	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
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
SYPS	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	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	29	31	38	31	33	34	32	28	30	29	32	30	32	35	30	29	33	33	28	33	28	33	61	55
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	-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	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
UPIA	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
UPIA	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		366	396	319	277	310	314	309	280	307	275	311	280	308	313	239	339	363	386	470	877	914	1042	1267	1217
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	12	13	12	11	14	13	13	12	12	14	13	12	12	9	10	9	10	10	9	9
PCUF	CUFK	14	15	12	12	12	13	11	12	14	12	14	12	13	12	13	14	13	12	12	13	14	12	12	13
Total Co-Gen		26	28	25	24	24	25	24	24	25	26	27	24	25	24	26	24	25	22	22	22	24	23	21	21
Total Gen		13464	13045	12847	12536	12225	12184	12009	11793	11762	11674	11710	11604	11694	11825	11887	11758	12305	13257	13876	14430	14926	15257	15422	15675
TIE-BGAT		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		30	30	30	30	30	31	31	30	30	30	30	30	30	31	31	31	31	30	30	31	31	31	31	30
TIE-PLTG		57	-68	-6	-17	14	-24	18	-42	-31	57	-32	53	-14	-18	106	28	-43	30	-6	62	97	18	-1	24
Interconnection		88	-38	23	13	44	6	49	-11	-1	87	-2	83	16	12	137	58	-12	61	25	93	127	48	28	53
System Total		13376	13083	12824	12523	12181	12178	11960	11804	11763	11587	11712	11521	11678	11813	11720	11700	12317	13196	13851	14337	14799	15209	15394	15622
SRev ST-Coal		117	89	106	144	124	231	236	149	145	122	89	104	89	85	103	111	92	96	95	458	377	312	290	295
SRev OCGT-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 CCGT-Gas		411	236	328	493	669	544	681	978	1051	1186	1316	1368	1324	1215	1072	1334	1309	743	687	645	403	274	356	
SRev ST-Gas		1	2	3	32	77	74	73	73	73	73	74	73	73	73	75	57	21	8	4	2	6	5	4	4
SRev Co-Gen		-1	-3	0	1	1	0	1	0	-1	-2	-2	1	0	1	-1	1	0	3	3	1	2	4	4	3
Syncon		676	525	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		257	319	94	136	103	99	102	131	104	136	100	131	103	98	122	273	103	251	234	485	448	420	247	297
S.Reserve Total		1446	1173	1363	1638	1806	1780	1925	2164	2205	2348	2409	2507	2422	2303	2203	2473	2387	1768	1700	1948	1886	1568	1252	1224