

## Daily System Generation Summary on Thursday

Thursday, December 25, 2014

### Availability at Daily Maximum Demand Hour

ST-Coal	1,400 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,802 MW
Hydro	1,933 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,135 MW</b>
<b>Total IPP</b>	<b>10,020 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,440 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	46
PAKA	1
PGPS	27
SRDG	3
TJGS	144
<b>Total TNB</b>	<b>224</b>
KLPP	63
MPSS	42
PDPS	2
PGLA	63
PKLG	3
PTEK	2
SGB3	2
SGRI	159
SKSP	46
YPGS	26
YPKA	27
<b>Total IPP</b>	<b>435</b>
<b>Total Gas</b>	<b>659</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	13,763 MW
TNB Generation	4,722 MW
IPP Generation	7,853 MW
Spinning Reserve	1,143 MW
Maximum Demand	12,647 MW
Net Energy	269,901 MWH
Load Factor	88.92 %

### Generation Mix

Type	MWh	Percentage
ST-Coal	31,750	11.76 %
Gas	30,506	11.30 %
Hydro	38,496	14.26 %
<b>Total TNB</b>	<b>100,752</b>	<b>37.33 %</b>
ST-Coal	112,749	41.77 %
Gas	54,858	20.33 %
<b>Total IPP</b>	<b>167,607</b>	<b>62.10 %</b>
Co-Gen	1,014	0.38 %
<b>Total Co-Gen</b>	<b>1,014</b>	<b>0.38 %</b>
<b>Total Generation</b>	<b>269,373</b>	<b>99.80 %</b>
PLTG	171	0.06 %
HVDC	-699	-0.26 %
<b>Interconnection</b>	<b>-528</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>269,901</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	29,164,112.54 RM
Cost per Unit	12.63 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,371
Hydro	135
Syncon	0
Thermal	102
<b>Total</b>	<b>1,608</b>

Time	Weather	Temperature
Afternoon	Rainy	28
Morning	Cloudy	27

### 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	12077	11659	11033	10744	10554	10356	10351	10145	9821	10320	10948	11478	11376	11278	11491	11396	11395	11299	11398	11970	12574	12441	12029	11840

Prepared By: Muhamad Izwan

Checked By: -Select Name-

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





**Daily MW Generation on Thursday**

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																											
Total Co-Gen		34	33	34	37	35	38	37	38	37	40	39	41	41	42	44	44	45	45	43	40	42	41	43	40	41	45	43	42	44	42	46	45	45	49	45	49	49	45	43	45	46	45	45	45	43	44	44	46			
Total Gen		12102	11608	11859	11199	11017	10778	10706	10623	10577	10387	10378	10321	10338	10324	10174	10007	9885	10226	10207	10575	10919	11198	11434	11635	11381	11337	11242	11283	11394	11380	11340	11355	11370	11377	11323	11303	11361	11357	11920	12585	12569	12620	12458	12422	12044	11881	11843	11484			
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	0	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	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-28	-28	-30	-30	-30	-28	-28	-30	-28	-30	-28	-30	-28			
TIE-PLTG		54	-76	-70	-79	14	-28	-9	28	52	-16	50	64	16	-21	58	69	93	18	7	38	-1	-7	-14	-30	34	21	-8	12	-67	-8	-27	18	3	-8	53	-25	-9	-7	-23	16	26	3	45	35	46	-20	33	-11			
Interconnection		25	-107	-100	-108	-16	-58	-38	-1	23	-44	22	35	-13	-50	29	40	64	-12	-23	9	-29	-37	-44	-60	5	-10	-36	-17	-97	-37	-56	-10	-25	-37	24	-54	-37	-34	-50	-15	-5	-27	17	7	15	-48	3	-38			
System Total		12077	11715	11659	11307	11033	10836	10744	10624	10554	10431	10386	10286	10351	10374	10145	9967	9821	10238	10320	10566	10948	11235	11478	11595	11376	11347	11278	11300	11491	11417	11396	11365	11395	11414	11299	11357	11398	11391	11970	12600	12574	12647	12441	12415	12029	11929	11840	11522			
SRev ST-Coal		148	71	85	86	115	177	192	156	169	239	256	293	267	283	252	233	282	276	236	286	242	107	108	53	84	52	64	53	30	46	67	60	48	53	106	75	59	63	53	58	81	60	99	74	106	51	63	35			
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	0	0	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		1153	1511	1306	1500	1464	1606	1671	1735	1748	1703	1706	1705	1706	1777	1816	1828	1834	1703	1791	1594	1534	1501	1450	1409	1548	1666	1725	1700	1529	1486	1505	1504	1499	1490	1468	1328	946	1127	1018	770	734	707	760	783	962	951	964	1357			
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	0	0	0	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		42	43	42	39	41	38	39	38	39	36	37	35	35	34	32	32	31	31	33	36	34	35	33	36	35	31	33	34	32	34	30	31	31	27	31	27	27	31	33	31	30	31	31	31	33	32	32	30			
Syncon		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydro		162	81	87	89	86	104	95	161	180	148	136	159	167	95	125	143	160	157	178	158	138	135	111	103	138	67	89	83	68	107	111	103	105	106	125	70	148	163	157	101	230	194	226	104	140	91	104	85			
S.Reserve Total		1505	1706	1520	1714	1706	1928	1997	2090	2136	2126	2135	2192	2175	2189	2225	2236	2307	2167	2238	2074	1948	1778	1702	1601	1805	1816	1911	1870	1659	1673	1713	1698	1683	1676	1730	1500	1180	1384	1261	1095	1227	1143	1305	1191	1351	1125	1163	1507			