

## Daily System Generation Summary on Sunday

Sunday, November 15, 2015

### Availability at Daily Maximum Demand Hour

ST-Coal	2,300 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,384 MW
Hydro	1,829 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,513 MW</b>
<b>Total IPP</b>	<b>9,549 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>17,632 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	49,717	17.11 %
Gas	58,366	20.08 %
Hydro	8,423	2.90 %
<b>Total TNB</b>	<b>116,506</b>	<b>40.09 %</b>
ST-Coal	111,907	38.51 %
Gas	61,273	21.08 %
<b>Total IPP</b>	<b>173,180</b>	<b>59.59 %</b>
Co-Gen	622	0.21 %
<b>Total Co-Gen</b>	<b>622</b>	<b>0.21 %</b>
<b>Total Generation</b>	<b>290,308</b>	<b>99.90 %</b>
PLTG	435	0.15 %
EGAT	-33	-0.01 %
HVDC	-698	-0.24 %
<b>Interconnection</b>	<b>-296</b>	<b>-0.10 %</b>
<b>Net Energy</b>	<b>290,604</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:	20:30:00 Hour
Total Set On Bus	14,679 MW
TNB Generation	5,179 MW
IPP Generation	8,172 MW
Spinning Reserve	1,301 MW
Maximum Demand	13,450 MW
Net Energy	290,604 MWH
Load Factor	90.03 %

### Fuel Cost

Total Cost:	36,953,463.00 RM
Cost per Unit	13.10 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	346
Hydro	217
Syncon	789
Thermal	51
<b>Total</b>	<b>1,403</b>

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	28
NPRI	16
PAKA	175
SRDG	4
TJGS	215
<b>Total TNB</b>	<b>441</b>
KLPP	90
MPSS	55
PGLA	8
PKLG	3
PLPS	80
PTEK	2
SGB3	49
SGRI	149
SKSP	52
<b>Total IPP</b>	<b>488</b>
<b>Total Gas</b>	<b>930</b>
<b>Total Gas Required</b>	<b>930</b>

### 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	13005	12378	11876	11560	11414	11152	11020	10714	10424	11041	11759	12265	12335	12269	12490	12523	12351	12128	12091	12980	13369	13392	13113	12748

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Checked By: -Select Name-

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 (Gurcharan Singh)  
 Pengurus Besar Kanan  
 Jabatan Sistem Operasi





**Daily MW Generation on Sunday**

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
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		372	362	374	341	366	366	350	362	345	294	292	288	287	315	213	209	183	203	216	235	211	341	335	320
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	4	5	6	5	4	4	5	4	6	4	5	5	5	6	6	6	5	5	5	5	6	5	5	5
PCUF	CUFK	16	17	20	21	20	17	17	17	20	21	21	22	21	23	22	21	22	23	22	21	23	22	21	23
Total Co-Gen		20	22	26	26	24	21	22	21	26	25	26	27	26	28	29	26	27	28	29	26	27	28	28	27
Total Gen		12953	12650	12373	12166	11837	11751	11498	11364	11357	11180	11194	11138	11088	11128	10831	10290	10458	10661	10984	11395	11829	12062	12205	12368
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		-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-24	105	24	7	-10	57	-33	31	-28	68	72	53	98	22	146	39	63	13	-27	-13	100	-35	-31	70
Interconnection		-52	76	-5	-22	-39	28	-62	2	-57	39	42	23	68	-8	117	10	34	-16	-57	-41	70	-65	-60	41
System Total		13005	12574	12378	12188	11876	11723	11560	11362	11414	11141	11152	11115	11020	11136	10714	10280	10424	10677	11041	11436	11759	12127	12265	12327
SRev ST-Coal		83	140	52	98	87	-102	72	99	78	99	101	102	131	125	147	267	365	222	225	79	85	84	89	105
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		166	340	308	443	511	783	1047	1165	1181	1285	1268	1320	1339	1268	1398	1816	1500	1461	1145	900	477	395	405	223
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	-22	-26	-26	-24	-21	-22	-21	-26	-25	-26	-27	-26	-28	-27	-26	-28	-29	-26	-27	-28	-28	-27	-29
Syncon		827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		114	124	113	146	136	136	152	140	308	208	210	214	215	338	190	116	142	122	109	241	139	184	190	205
S.Reserve Total		1170	1409	1274	1488	1537	1623	2076	2210	2217	2394	2580	2436	2486	2379	2535	3060	2806	2603	2280	1869	1590	1462	1484	1331