

## Daily System Generation Summary on Sunday

Sunday, November 30, 2014

### Availability at Daily Maximum Demand Hour

ST-Coal	2,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,799 MW
Hydro	1,705 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,584 MW</b>
<b>Total IPP</b>	<b>10,220 MW</b>
<b>Total Co-Gen</b>	<b>76 MW</b>
<b>Total System</b>	<b>18,450 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	41,534	15.12 %
Gas	48,424	17.63 %
Hydro	7,854	2.86 %
<b>Total TNB</b>	<b>97,812</b>	<b>35.61 %</b>
ST-Coal	101,853	37.08 %
Gas	74,584	27.16 %
<b>Total IPP</b>	<b>176,437</b>	<b>64.24 %</b>
Co-Gen	1,246	0.45 %
<b>Total Co-Gen</b>	<b>1,246</b>	<b>0.45 %</b>
<b>Total Generation</b>	<b>275,495</b>	<b>100.30 %</b>
PLTG	110	0.04 %
HVDC	725	0.26 %
<b>Interconnection</b>	<b>835</b>	<b>0.30 %</b>
<b>Net Energy</b>	<b>274,660</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:	20:00:00 Hour
Total Set On Bus	14,205 MW
TNB Generation	4,539 MW
IPP Generation	8,418 MW
Spinning Reserve	1,194 MW
Maximum Demand	12,949 MW
Net Energy	274,660 MWH
Load Factor	88.37 %

### Fuel Cost

Total Cost:	33,200,931.35 RM
Cost per Unit	12.40 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	207
Hydro	101
Syncon	567
Thermal	29
<b>Total</b>	<b>904</b>

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	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	12026	11360	10994	10816	10566	10418	10298	10082	9811	10542	11138	11639	11686	11609	11762	11853	11816	11567	11553	12319	12950	12815	12617	12334

### Gas Usage

Station	(mmscfd)
GLGR	56
PAKA	48
PGPS	26
SRDG	3
TJGS	215
<b>Total TNB</b>	<b>348</b>
KLPP	98
MPSS	35
PGLA	105
PKLG	2
PLPS	101
SGRI	115
SKSP	54
YPGS	62
<b>Total IPP</b>	<b>574</b>

**Total Gas 921**

**Total Gas Required 921**

### Alternate Fuel Usage

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





### 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																										
PCUF	CUFK	33	34	32	32	34	36	35	37	36	35	36	35	35	32	33	34	34	34	31	30	32	29	32	32	32	29	27	27	27	28	26	26	26	24	26	26	25	29	31	31	32	33	32	34	36	37	36	35		
Total Co-Gen		53	54	51	52	53	57	54	58	57	54	57	56	56	56	53	55	54	55	54	50	50	51	48	50	50	50	48	45	46	46	46	45	46	44	46	45	45	50	52	51	54	56	53	56	58	58	59	57		
Total Gen		12035	11738	11444	11200	11004	10882	10837	10629	10587	10479	10456	10385	10326	10305	10151	9884	9875	10313	10622	10763	11283	11501	11632	11830	11697	11660	11637	11727	11771	11803	11861	11870	11812	11713	11598	11456	11578	11706	12359	12926	13001	12901	12895	12873	12668	12582	12356	12135		
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		
TIE-HVDC		30	30	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	31	31	30	30	30	30	30	29	29	30	30	30	31	31	31	31	30	30	30	31	31	30	30	30	30	31	31	30	30			
TIE-PLTG		-21	16	54	26	-21	-15	-9	-32	-9	-4	8	6	-2	9	39	-1	34	10	49	49	115	9	-38	-25	-19	-37	-1	-1	-20	-17	-22	-10	-35	-22	1	-29	-5	16	10	50	3	4	50	39	20	21	-8	-41		
Interconnection		9	46	84	56	10	15	21	-1	21	25	38	36	28	39	69	29	64	40	80	79	145	39	-7	5	11	-7	28	28	9	12	8	20	-4	9	31	2	25	45	40	81	61	34	80	69	51	52	22	-11		
System Total		12026	11692	11360	11144	10994	10867	10816	10630	10566	10454	10418	10349	10298	10266	10082	9855	9811	10273	10542	10684	11138	11462	11639	11825	11686	11667	11609	11699	11762	11791	11853	11850	11816	11704	11567	11454	11553	11661	12319	12845	12950	12867	12815	12804	12617	12530	12334	12146		
SRev ST-Coal		6	2	28	18	14	27	10	33	8	27	21	32	10	20	26	10	22	34	9	32	26	34	7	4	14	33	14	21	26	36	28	-7	22	195	175	100	41	31	21	222	153	68	60	49	64	59	75	55		
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	
SRev CCGT-Gas		401	412	344	347	441	489	574	740	788	850	882	961	970	1137	1545	1596	1294	1036	954	601	447	242	185	287	234	269	232	344	265	242	265	285	336	393	584	548	565	436	223	111	255	220	218	263	162	159	383			
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	
SRev Co-Gen		23	22	25	24	23	19	22	18	19	22	19	20	20	20	23	21	22	21	22	21	22	26	26	25	28	26	26	26	28	31	30	30	30	31	30	32	30	31	31	26	24	25	22	20	23	20	18	18	17	19
Syncon		719	719	568	719	719	719	568	719	719	719	719	568	719	719	719	719	568	719	719	719	719	719	719	568	719	719	719	719	719	719	719	719	719	568	719	719	719	568	719	568	719	719	719	719	719	719	568	719		
Hydro		120	176	240	121	125	124	249	121	127	125	246	122	124	126	255	124	129	157	155	119	249	107	105	94	327	127	132	69	50	105	78	73	123	213	92	117	176	237	94	274	130	134	131	168	175	167	229	93		
S.Reserve Total		1269	1331	1205	1229	1322	1378	1423	1631	1598	1681	1704	1775	1834	1855	2009	2419	2488	2225	1941	1850	1470	1332	1101	1028	1222	1139	1162	1072	1169	1155	1097	1081	1179	1430	1495	1637	1515	1427	1294	1382	1194	1254	1210	1232	1239	1125	1048	1269		