

## Daily System Generation Summary on Monday

Monday, December 12, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,413 MW
Hydro	2,357 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,770 MW</b>
<b>Total IPP</b>	<b>14,016 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>19,806 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,787	13.81 %
Hydro	7,339	2.55 %
<b>Total TNB</b>	<b>47,126</b>	<b>16.36 %</b>
ST-Coal	159,269	55.29 %
Gas	82,160	28.52 %
<b>Total IPP</b>	<b>241,429</b>	<b>83.81 %</b>
Co-Gen	447	0.16 %
<b>Total Co-Gen</b>	<b>447</b>	<b>0.16 %</b>
<b>Total Generation</b>	<b>289,002</b>	<b>100.32 %</b>
PLTG	201	0.07 %
HVDC	720	0.25 %
<b>Interconnection</b>	<b>921</b>	<b>0.32 %</b>
<b>Net Energy</b>	<b>288,081</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,322 MW
TNB Generation	2,590 MW
IPP Generation	11,446 MW
Spinning Reserve	1,267 MW
Maximum Demand	14,046 MW
Net Energy	288,081 MWH
Load Factor	85.46 %

### Fuel Cost

Total Cost:	38,360,699.05 RM
Cost per Unit	13.62 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	393
Hydro	209
Syncon	833
Thermal	156
<b>Total</b>	<b>1,591</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Cloudy	25

### Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	11
SRDG	6
TJGS	215
<b>Total TNB</b>	<b>283</b>
CBPS	53
KLPP	86
NPRI	145
PGLA	89
PKLG	3
PLPS	52
PTEK	4
SGRI	172
<b>Total IPP</b>	<b>604</b>
<b>Total Gas</b>	<b>887</b>

**Total Gas Required 887**

### 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	11921	11435	11050	10729	10562	10318	10346	10316	10221	11052	11704	12270	12287	12114	12568	12699	12755	12651	12465	13253	13965	13801	13512	13329

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 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																											
SRev ST-Coal		99	95	107	172	168	206	259	255	351	371	373	381	379	312	260	247	266	256	254	251	220	165	155	156	155	152	167	150	161	166	159	157	150	156	165	159	134	115	250	102	89	51	110	161	96	258	254	247			
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	0
SRev CCGT-Gas		457	391	333	286	486	574	686	857	794	969	974	937	1109	992	1195	1484	1336	859	634	697	547	435	519	563	612	751	708	438	239	142	152	189	308	257	451	610	689	654	125	349	425	209	385	330	373	293	277	306			
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		5	5	7	7	4	7	5	5	5	3	6	6	5	7	6	3	6	7	4	2	1	2	2	3	2	1	2	2	3	2	2	1	1	3	2	1	2	2	2	2	3	1	2	1	2	4	2	2	2	2	
Syncon		1116	1303	1303	1303	1303	1303	1303	1303	1303	1303	1152	1303	1303	1303	1303	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929	
Hydro		177	197	192	135	141	134	138	138	119	148	145	116	277	146	149	143	144	126	107	120	257	184	211	211	215	237	237	211	242	214	354	241	110	110	143	147	127	147	113	396	395	271	276	144	145	181	149	107			
S.Reserve Total		1854	1991	1942	1903	2102	2224	2391	2558	2572	2794	2801	2743	2922	2760	2913	3180	3055	2177	1628	1999	1803	1715	1816	1862	1913	2070	2043	1730	1574	1453	1445	1265	1387	1455	1690	1846	1881	1847	1217	1301	1369	1267	1481	1343	1532	1580	1611	1591			