

## Daily System Generation Summary on Sunday

Sunday, March 25, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,647 MW
Hydro	2,116 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,763 MW</b>
<b>Total IPP</b>	<b>15,157 MW</b>
<b>Total Co-Gen</b>	<b>60 MW</b>
<b>Total System</b>	<b>20,266 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,373	12.21 %
Hydro	8,176	2.53 %
<b>Total TNB</b>	<b>47,549</b>	<b>14.74 %</b>
ST-Coal	182,818	56.68 %
Gas	91,766	28.45 %
<b>Total IPP</b>	<b>274,584</b>	<b>85.12 %</b>
Co-Gen	1,336	0.41 %
<b>Total Co-Gen</b>	<b>1,336</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>323,469</b>	<b>100.28 %</b>
PLTG	172	0.05 %
HVDC	729	0.23 %
<b>Interconnection</b>	<b>901</b>	<b>0.28 %</b>
<b>Net Energy</b>	<b>322,568</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 3/15/2018	372,493 MWH

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

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	16,610 MW
TNB Generation	2,539 MW
IPP Generation	12,588 MW
Spinning Reserve	1,428 MW
Maximum Demand	15,177 MW
Net Energy	322,568 MWH
Load Factor	88.56 %

### Fuel Cost

Total Cost:	57,988,177.59 RM
Cost per Unit	18.39 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	343
Hydro	352
Syncon	804
Thermal	71
<b>Total</b>	<b>1,570</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	29
PGPS	36
TJGS	214
<b>Total TNB</b>	<b>279</b>
CBPS	53
KLPP	105
NPRI	158
PGLA	107
PTEK	1
SGRI	69
SKSP	16
YPKA	79
<b>Total IPP</b>	<b>588</b>
<b>Total Gas</b>	<b>867</b>
<b>Total Gas Required</b>	<b>867</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	14523	13907	13392	12911	12631	12295	12326	12147	11375	12060	12732	13161	13340	13371	13772	13934	13970	13636	13418	13744	14982	15177	14863	14727

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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																								
SRev CCGT-Gas		502	505	700	745	428	555	680	735	905	935	1019	1046	1030	1109	1210	1736	1862	1347	1027	649	466	555	386	296	374	330	469	352	331	300	369	340	242	237	467	390	363	727	548	382	358	311	230	324	386	424	390	621
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
SRev Co-Gen		-5	4	4	4	5	4	4	6	3	4	5	5	2	4	3	4	2	4	4	6	4	5	5	5	5	4	6	4	5	4	4	6	6	7	5	6	6	5	6	3	4	4	5	4	5	3	6	4
Syncon		952	952	1037	1037	886	886	886	1037	1037	1037	1037	1037	1037	1037	886	1037	886	886	801	716	801	801	886	952	801	801	801	801	801	801	675	826	826	826	766	766	766	766	766	766	766	952	952	801				
Hydro		187	179	132	136	267	265	262	133	136	135	137	139	139	282	130	158	141	139	138	271	139	303	344	401	451	380	408	355	275	380	320	319	381	378	373	377	190	192	268	255	308	276	323	336	386	274	191	325
S.Reserve Total		1882	1789	1950	2006	1727	1785	2027	2151	2296	2256	2357	2382	2352	2429	2521	3027	3176	2656	2324	1928	1708	1802	1658	1515	1566	1534	1706	1681	1655	1580	1589	1558	1521	1521	1729	1561	1502	1872	1766	1468	1532	1496	1428	1561	1647	1841	1739	2050