

## Daily System Generation Summary on Saturday

Saturday, November 19, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,998 MW
Hydro	2,509 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,507 MW</b>
<b>Total IPP</b>	<b>14,865 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>20,956 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	38,756	12.08 %
Hydro	11,500	3.58 %
<b>Total TNB</b>	<b>50,256</b>	<b>15.66 %</b>
ST-Coal	188,376	58.71 %
Gas	82,647	25.76 %
<b>Total IPP</b>	<b>271,023</b>	<b>84.47 %</b>
Co-Gen	436	0.14 %
<b>Total Co-Gen</b>	<b>436</b>	<b>0.14 %</b>
<b>Total Generation</b>	<b>321,715</b>	<b>100.27 %</b>
PLTG	156	0.05 %
EGAT	-5	0.00 %
HVDC	720	0.22 %
<b>Interconnection</b>	<b>871</b>	<b>0.27 %</b>
<b>Net Energy</b>	<b>320,844</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	16,644 MW
TNB Generation	2,491 MW
IPP Generation	12,310 MW
Spinning Reserve	1,824 MW
Maximum Demand	14,810 MW
Net Energy	320,844 MWH
Load Factor	90.27 %

### Fuel Cost

Total Cost:	42,590,091.60 RM
Cost per Unit	13.73 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	263
Syncon	990
Thermal	95
<b>Total</b>	<b>1,855</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	29
PGPS	25
SRDG	21
TJGS	209
<b>Total TNB</b>	<b>285</b>
CBPS	1
KLPP	72
NPRI	151
PGLA	107
PLPS	92
PTEK	30
SGRI	124
SKSP	48
<b>Total IPP</b>	<b>624</b>
<b>Total Gas</b>	<b>909</b>

**Total Gas Required 909**

### 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	13575	12943	12541	12089	11907	11704	11597	11285	11342	12613	13616	14201	14329	14048	14402	14405	14343	14028	13672	14309	14747	14599	14231	13824

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Jabatan Sistem Operasi



Daily MW Generation on Saturday

Table with columns for Station, Unit, and 24-hour time slots (0000 to 2300). Rows include power plants like JMAH, JMJC, PKLG, and various gas turbines (GLGR, KLPP, etc.). Summary rows are at the bottom.



**Daily MW Generation on Saturday**

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																										
System Total		13575	13240	12943	12771	12541	12326	12089	12074	11907	11657	11704	11375	11597	11622	11285	11196	11342	12013	12613	13100	13616	13877	14201	14313	14320	14054	14048	14196	14402	14558	14405	14516	14343	14378	14028	13756	13672	13758	14309	14789	14747	14810	14599	14466	14231	14236	13824	13689		
SRev ST-Coal		387	513	171	310	353	361	355	368	362	369	351	350	355	363	356	352	338	346	347	111	53	48	42	57	48	44	55	24	50	20	64	48	145	154	166	140	155	165	149	148	154	155	153	150	145	140	140	199		
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		455	438	600	664	868	1049	1301	1284	1498	1653	1655	1811	1778	1704	2055	2195	2023	1412	996	1002	629	588	573	436	580	609	531	407	318	292	315	319	329	282	360	555	618	673	322	214	374	283	322	400	386	443	535	649		
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		2	2	3	0	4	3	1	2	1	3	3	2	2	3	2	2	3	1	1	0	1	2	2	1	2	1	2	2	2	2	2	1	4	1	2	1	2	2	1	3	2	1	1	1	2	1	2	2		
Syzcon		1162	1162	1162	1162	1162	1011	1011	1162	1162	1162	1162	1011	1162	1162	1162	1162	1162	1162	1162	1011	1011	885	885	860	820	1097	1072	1072	971	971	971	1072	1072	1072	1349	1349	1198	1349	1349	694	946	946	946	946	1097	1097	1097	1097		
Hydro		166	101	134	138	126	268	268	136	132	141	137	143	266	136	144	148	140	134	97	286	229	120	264	155	446	272	231	276	311	279	307	357	327	246	193	201	292	147	122	434	368	308	249	252	129	133	96	95		
S.Reserve Total		2172	2216	2070	2274	2513	2692	2934	2952	3155	3328	3308	3468	3412	3368	3720	3859	3686	3855	2603	2410	1923	1723	1741	1486	1871	2000	1868	1759	1632	1546	1636	1773	1868	1866	2179	2508	2469	2531	2129	1535	1986	1824	1887	1884	1759	1814	1870	2042		