

## Daily System Generation Summary on Saturday

Saturday, November 14, 2015

### Availability at Daily Maximum Demand Hour

ST-Coal	2,300 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,717 MW
Hydro	1,734 MW
Distillate	0 MW
<b>Total TNB</b>	<b>7,751 MW</b>
<b>Total IPP</b>	<b>8,942 MW</b>
<b>Total Co-Gen</b>	<b>20 MW</b>
<b>Total System</b>	<b>17,283 MW</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:	19:30:00 Hour
Total Set On Bus	15,369 MW
TNB Generation	6,046 MW
IPP Generation	8,337 MW
Spinning Reserve	970 MW
Maximum Demand	14,481 MW
Net Energy	310,477 MWH
Load Factor	89.33 %

### Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	6
GLGR	31
NPRI	16
PAKA	196
PGGS	4
SRDG	29
TJGS	219
<b>Total TNB</b>	<b>505</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	51,703	16.65 %
Gas	64,865	20.89 %
Hydro	10,161	3.27 %
<b>Total TNB</b>	<b>126,729</b>	<b>40.82 %</b>
ST-Coal	100,320	32.31 %
Gas	82,079	26.44 %
<b>Total IPP</b>	<b>182,399</b>	<b>58.75 %</b>
Co-Gen	370	0.12 %
<b>Total Co-Gen</b>	<b>370</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>309,498</b>	<b>99.68 %</b>
PLTG	-166	-0.05 %
HVDC	-813	-0.26 %
<b>Interconnection</b>	<b>-979</b>	<b>-0.32 %</b>
<b>Net Energy</b>	<b>310,477</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	42,752,730.10 RM
Cost per Unit	14.28 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	302
Hydro	216
Syncon	691
Thermal	104
<b>Total</b>	<b>1,313</b>

KLPP	117
MPSS	49
PDPS	31
PGLA	12
PKLG	15
PLPS	113
PTEK	20
SGB3	85
SGRI	174
SKSP	51
<b>Total IPP</b>	<b>668</b>

**Total Gas 1,173**

**Total Gas Required 1,173**

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Cloudy	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	13069	12441	11978	11564	11267	11043	11194	10980	10995	12254	13143	13881	13877	13633	13935	14086	14087	13777	13290	13904	14423	14151	13769	13408

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi



Daily MW Generation on Saturday

Table with columns for Station, Unit, and hourly generation (0000-2300). Rows include coal, oil, and gas stations, ending with a Total row.



**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
MINOR	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
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	37	29	36	37	36	36	33	35	34	28	37	33	33	25	36	39	37	41	37	36	44	39	37	82
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	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
UPIA	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
<b>Total Hydro</b>		<b>334</b>	<b>286</b>	<b>337</b>	<b>324</b>	<b>319</b>	<b>331</b>	<b>327</b>	<b>300</b>	<b>328</b>	<b>332</b>	<b>283</b>	<b>301</b>	<b>323</b>	<b>321</b>	<b>285</b>	<b>295</b>	<b>304</b>	<b>311</b>	<b>293</b>	<b>258</b>	<b>277</b>	<b>440</b>	<b>527</b>	
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	6	6	6	6	5	5	5	5	6	6	6	6	6	6	5	4	4	3	4	3	3	5	5	4
PCUF	CUFK	10	11	10	10	11	10	11	9	11	9	10	9	11	11	11	11	10	11	10	11	10	11	11	11
<b>Total Co-Gen</b>		<b>16</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>17</b>	<b>15</b>	<b>16</b>	<b>14</b>	<b>16</b>	<b>15</b>	<b>16</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>17</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>16</b>	<b>16</b>	<b>15</b>	<b>16</b>	<b>18</b>	
<b>Total Gen</b>		<b>13017</b>	<b>12575</b>	<b>12359</b>	<b>12147</b>	<b>11893</b>	<b>11594</b>	<b>11488</b>	<b>11397</b>	<b>11202</b>	<b>11166</b>	<b>11086</b>	<b>11058</b>	<b>11126</b>	<b>11134</b>	<b>10980</b>	<b>10740</b>	<b>10918</b>	<b>11572</b>	<b>12231</b>	<b>12770</b>	<b>13162</b>	<b>13513</b>	<b>13752</b>	
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		-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-22	-25	-52	4	-56	-33	-46	4	-35	10	72	14	-39	-36	28	-25	-48	-9	7	13	48	-19	-100	
Interconnection		-52	-55	-82	-26	-85	-61	-76	-25	-65	-19	43	-15	-68	-65	0	-53	-77	-39	-23	-17	19	-48	-129	
<b>System Total</b>		<b>13069</b>	<b>12630</b>	<b>12441</b>	<b>12173</b>	<b>11978</b>	<b>11655</b>	<b>11564</b>	<b>11422</b>	<b>11267</b>	<b>11185</b>	<b>11043</b>	<b>11073</b>	<b>11194</b>	<b>11199</b>	<b>10980</b>	<b>10793</b>	<b>10995</b>	<b>11611</b>	<b>12254</b>	<b>12787</b>	<b>13143</b>	<b>13561</b>	<b>13881</b>	
SRev ST-Coal		10	112	115	121	105	115	108	104	136	164	176	169	151	136	134	117	126	108	108	114	103	122	98	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	79	18	25	30	74	
SRev CCGT-Gas		536	760	556	377	644	903	753	818	1012	992	1019	1089	1066	1073	1195	1459	1384	1021	706	516	303	202	191	
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	
SRev Co-Gen		4	3	4	4	3	5	4	6	4	5	4	3	3	4	3	2	4	4	5	4	6	5	6	
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		88	136	85	98	103	91	95	122	94	241	139	121	99	101	137	127	118	111	230	114	120	142	189	
<b>S.Reserve Total</b>		<b>1465</b>	<b>1838</b>	<b>1585</b>	<b>1427</b>	<b>1682</b>	<b>1941</b>	<b>1787</b>	<b>1877</b>	<b>2073</b>	<b>2078</b>	<b>2165</b>	<b>2211</b>	<b>2147</b>	<b>2140</b>	<b>2296</b>	<b>2534</b>	<b>2543</b>	<b>2154</b>	<b>1724</b>	<b>1699</b>	<b>1437</b>	<b>1164</b>	<b>1181</b>	