

## Daily System Generation Summary on Tuesday

Tuesday, March 27, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,589 MW
Hydro	2,427 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,016 MW</b>
<b>Total IPP</b>	<b>14,799 MW</b>
<b>Total Co-Gen</b>	<b>56 MW</b>
<b>Total System</b>	<b>20,157 MW</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:	15:30:00 Hour
Total Set On Bus	18,008 MW
TNB Generation	2,975 MW
IPP Generation	13,491 MW
Spinning Reserve	1,486 MW
Maximum Demand	16,579 MW
Net Energy	357,380 MWH
Load Factor	89.82 %

### Gas Usage

Station	(mmscfd)
CBPS	9
GLGR	34
PAKA	44
PGPS	33
TJGS	216
<b>Total TNB</b>	<b>337</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	46,727	13.07 %
Hydro	10,082	2.82 %
<b>Total TNB</b>	<b>56,809</b>	<b>15.90 %</b>
ST-Coal	180,054	50.38 %
Gas	119,100	33.33 %
<b>Total IPP</b>	<b>299,154</b>	<b>83.71 %</b>
Co-Gen	1,362	0.38 %
<b>Total Co-Gen</b>	<b>1,362</b>	<b>0.38 %</b>
<b>Total Generation</b>	<b>357,325</b>	<b>99.98 %</b>
PLTG	-781	-0.22 %
HVDC	726	0.20 %
Interconnection	-55	-0.02 %
<b>Net Energy</b>	<b>357,380</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	66,303,180.12 RM
Cost per Unit	19.09 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	386
Hydro	530
Syncon	702
Thermal	84
<b>Total</b>	<b>1,702</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

CBPS	53
KLPP	107
MPSS	41
NPRI	160
PGLA	108
SGB3	35
SGRI	176
SKSP	53
YPKA	81
<b>Total IPP</b>	<b>812</b>

**Total Gas 1,148**

**Total Gas Required 1,148**

### 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	14666	13913	13409	13046	12677	12392	12824	13017	13265	15038	15727	16282	15974	15680	16154	16531	16579	16266	15218	15158	16232	16087	15616	15137

Prepared By: Kannathason a/l Karuppiah

Checked By: -Select Name-

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





### Daily MW Generation on Tuesday

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	CUFG	31	31	32	33	31	32	31	31	31	31	30	32	31	31	30	30	30	29	28	28	28	27	29	30	29	30	29	30	28	29	28	28	27	28	29	30	29	29	30	30	30	30	31	30	31	30	32	31		
PCUF	CUFK	26	25	28	27	26	29	27	28	28	27	26	28	27	29	28	27	27	28	27	26	26	27	26	27	26	27	28	27	27	26	27	26	27	27	27	27	27	27	27	26	27	28	28	26	27	26				
Total Co-Gen		57	56	60	60	57	61	58	59	59	58	56	60	58	58	59	58	57	56	56	55	54	53	55	56	56	55	56	56	55	55	55	56	54	55	55	57	55	56	57	57	57	56	58	58	59	56	59	57		
Total Gen		14707	14397	13908	13647	13436	13134	13043	12901	12652	12708	12444	12672	12838	13076	12983	12844	13315	14338	14963	15377	15719	16092	16283	16271	15928	15781	15661	15826	16128	16327	16479	16532	16571	16521	16292	15865	15269	15016	15159	15987	16232	16338	16060	15995	15577	15286	15132	14688		
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		31	31	31	31	30	30	30	30	31	31	31	31	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	31	31	30			
TIE-PLTG		11	-27	-36	-68	-3	-48	-33	-10	-56	-28	21	-20	-16	19	-66	-19	19	-65	-105	-26	-38	-15	-29	-62	-76	-29	-49	-53	-55	-42	-82	-87	-38	3	4	22	21	-9	-30	0	-29	-7	-58	-49	-70	-68	-36	-38		
Interconnection		41	3	-5	-38	27	-18	-3	20	-25	2	52	10	14	50	-34	12	50	-35	-75	5	-8	15	1	-32	-46	1	-19	-22	-26	-12	-52	-57	-8	33	26	52	51	21	1	30	0	23	-27	-19	-39	-37	-5	-8		
System Total		14666	14394	13913	13685	13409	13152	13046	12881	12677	12706	12392	12662	12824	13026	13017	12832	13265	14373	15038	15372	15727	16077	16283	16303	15974	15780	15680	15848	16154	16339	16531	16579	16579	16488	16266	15813	15218	14995	15159	15927	16232	16315	16087	16014	15616	15323	15137	14696		
SRev ST-Coal		220	223	241	131	60	61	68	235	52	105	93	69	37	75	78	75	48	56	23	56	30	106	93	87	104	96	84	100	88	123	81	71	84	89	97	39	94	95	83	95	101	92	87	88	100	103	147	154		
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		1019	911	1048	1205	1351	1677	1740	1701	2038	2000	2058	1568	1529	1323	1413	1569	1126	372	395	552	467	233	368	498	648	483	541	587	384	322	284	280	242	296	425	678	1277	1441	1199	510	368	423	375	354	434	697	807	884		
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
SRev Co-Gen		-1	0	-4	-4	-1	-5	-2	-3	-3	-2	0	-4	-2	-2	-3	-2	-1	0	0	1	2	3	1	0	0	1	0	0	1	1	1	0	2	1	1	-1	1	0	-1	-1	-1	0	-2	-2	-3	0	-3	-1		
Syncon		1350	1350	1350	1350	1350	1199	1199	1199	1199	972	1350	1350	1350	1350	1350	1199	936	1123	1249	1098	483	483	609	897	897	670	670	500	500	626	626	626	626	374	1013	1013	1013	1054	777	313	439	626	1029	1180	1180	1180				
Hydro		142	124	137	129	145	275	258	273	268	266	209	141	139	129	131	131	129	297	290	265	279	374	738	667	747	555	550	648	672	691	629	509	490	526	591	695	157	156	157	175	425	506	721	619	318	1186	189	191		
S.Reserve Total		2730	2608	2772	2809	2905	3207	3263	3405	3554	3568	3332	3124	3053	2875	2969	3123	2652	1924	1644	2022	2027	1814	1683	1735	2108	2032	2072	2005	1815	1637	1495	1486	1444	1538	1740	1785	2542	2705	2451	1523	1670	1334	1620	1685	1878	2166	2320	2408		