

## Daily System Generation Summary on Tuesday

Tuesday, February 06, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,834 MW
Hydro	2,397 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,231 MW</b>
<b>Total IPP</b>	<b>15,741 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,972 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	29,354	8.52 %
Hydro	33,186	9.63 %
<b>Total TNB</b>	<b>62,540</b>	<b>18.15 %</b>
ST-Coal	179,679	52.14 %
ST-Gas	727	0.21 %
ST-Oil	6,038	1.75 %
Gas	92,769	26.92 %
<b>Total IPP</b>	<b>279,213</b>	<b>81.03 %</b>
Co-Gen	1,499	0.44 %
<b>Total Co-Gen</b>	<b>1,499</b>	<b>0.44 %</b>
<b>Total Generation</b>	<b>343,252</b>	<b>99.61 %</b>
PLTG	86	0.02 %
HVDC	-1,421	-0.41 %
<b>Interconnection</b>	<b>-1,335</b>	<b>-0.39 %</b>
<b>Net Energy</b>	<b>344,587</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,138 MW
TNB Generation	3,061 MW
IPP Generation	12,895 MW
Spinning Reserve	1,119 MW
Maximum Demand	16,128 MW
Net Energy	344,587 MWH
Load Factor	89.02 %

### Fuel Cost

Total Cost:	59,038,210.73 RM
Cost per Unit	19.04 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	397
Hydro	422
Syncon	437
Thermal	123
<b>Total</b>	<b>1,379</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	38
SRDG	2
TJGS	127
<b>Total TNB</b>	<b>219</b>
CBPS	52
KLPP	93
NPRI	80
PGLA	107
PLPS	91
PTEK	5
SGB3	55
SKSP	35
YPKA	75
PKLG	7
<b>Total IPP</b>	<b>602</b>
<b>Total Gas</b>	<b>820</b>
<b>Total Gas Required</b>	<b>878</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	58
<b>Total</b>	<b>58</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	14030	13206	12823	12454	12101	11992	12383	12422	12690	14313	15132	15744	15690	15302	15806	16128	16114	15764	14696	14582	15660	15594	15062	14594

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Checked By: -Select Name-

Printed on: Wednesday, February 07, 2018 1:01:48  
AM  
(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	
JMAH	U001	690	695	693	693	691	692	692	689	691	693	694	693	694	691	691	691	692	692	692	693	692	692	692	692	691
JMAH	U002	694	696	694	692	693	694	693	693	694	694	692	694	692	694	694	693	693	694	695	697	695	694	695	695	694
JMIG	U001	645	645	647	640	652	645	658	646	648	645	642	640	645	647	656	643	645	644	643	643	645	645	645	643	645
JMIG	U002	656	652	657	634	656	662	651	643	629	640	652	656	647	640	642	678	673	673	681	674	675	675	678	676	677
JMIG	U003	673	671	670	664	673	669	668	668	665	668	676	658	662	667	664	665	665	667	668	670	667	663	672	665	667
JMIG	U004	955	898	875	867	823	825	782	783	782	782	783	782	785	782	785	782	782	843	887	904	977	981	979	981	
JMIG	U005	950	869	870	859	823	816	781	779	779	778	779	783	782	780	783	778	781	782	883	879	963	979	982	985	
PKLG	U005	470	470	470	464	468	467	464	468	468	469	469	470	470	469	469	472	472	467	468	466	468	470	470	469	
PKLG	U006	468	470	470	470	470	470	472	469	470	470	468	470	470	469	468	472	468	471	471	470	472	469	470	469	
TBIN	U002	691	692	695	690	691	691	693	691	690	691	691	693	689	693	691	691	692	691	675	688	692	689	689	691	
TBIN	U003	692	690	695	690	692	690	690	691	691	689	689	693	692	690	692	691	691	687	691	691	687	692	689	690	
Total ST-Coal		7584	7446	7414	7363	7332	7321	7224	7220	7210	7216	7227	7248	7237	7216	7240	7256	7250	7313	7467	7471	7615	7651	7660	7660	
PKLG	U002	284	286	284	284	284	286	284	283	286	289	282	281	283	283	281	281	281	279	281	283	282	282	283	282	
Total ST-Oil		284	286	284	284	284	286	284	283	286	289	282	281	283	283	281	281	281	279	281	283	282	282	283	282	
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total 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	
CBPS	BLK2	372	377	376	377	377	373	373	300	300	303	302	354	353	348	350	354	340	344	342	348	348	353	347	347	
GLGR	GT01	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	86	84	68	69	87	101	98	98	100	
GLGR	GT02	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
GLGR	ST1C	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	
KLPP	GT13	65	64	66	64	64	65	64	64	64	64	64	65	64	65	64	65	64	65	64	65	64	65	64	65	
KLPP	GT14	75	76	76	75	75	76	79	75	76	80	76	79	79	80	78	75	105	152	157	158	160	159	158	158	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	64	151	149	153	153	150	150	151	
KLPP	ST17	85	85	83	81	85	81	81	81	81	81	85	85	77	85	101	170	202	206	202	202	202	202	202	202	
NPRI	BLK2	529	525	527	521	528	520	526	528	527	526	488	488	521	523	521	520	522	525	512	511	512	511	512	512	
PCGP	PGRG	398	400	399	351	348	266	264	265	265	267	265	265	263	400	399	400	401	392	670	686	694	710	708	704	
PGLA	GT11	216	216	213	203	198	218	196	179	170	173	169	177	184	214	175	175	186	207	164	201	214	216	216	215	
PGLA	GT12	221	218	218	207	202	221	200	183	173	179	172	181	189	218	179	180	190	214	168	206	217	220	219	220	
PGLA	ST10	238	238	228	221	231	227	232	209	207	207	214	213	235	214	204	207	236	238	235	233	240	240	240	240	
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	74	82	87	87	88	87	87	88	
PGPS	GT3B	70	70	70	70	70	70	70	70	70	70	70	70	70	70	71	70	70	70	70	70	70	70	70	70	
PGPS	ST3C	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	
PLPS	GT11	68	67	67	67	66	66	67	66	67	67	67	67	66	66	66	74	148	106	111	127	138	139	133	130	
PLPS	GT12	64	64	64	65	64	65	64	65	65	65	65	63	65	64	64	65	120	147	115	117	131	142	145	137	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	108	123	134	135	131	129	126		
PLPS	ST18	91	91	91	90	91	90	90	91	90	91	91	90	92	91	91	110	144	127	195	202	208	209	207	207	
SGB3	GT31	110	110	110	109	112	110	109	110	110	110	110	111	109	109	108	106	106	106	108	107	120	129	108	102	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	72	128	136	116	111	116	114	121	
SGB3	ST34	57	57	57	57	58	58	57	57	57	58	57	57	56	56	57	57	54	54	56	58	57	57	137	140	
SKSP	BLK1	219	154	0	0	0	0	0	0	0	0	0	0	0	0	0	15	272	245	263	264	253	346	345		
TJGS	GT1A	175	207	228	204	227	230	231	234	191	147	143	156	234	228	195	168	192	225	153	233	228	229	223	226	
TJGS	GT1B	170	200	219	221	198	197	215	219	187	140	137	149	220	221	187	157	189	217	146	218	220	220	218	220	
TJGS	ST1C	210	236	248	238	234	238	248	240	230	181	181	190	235	248	240	204	209	246	209	237	250	252	252	252	
TJGS	GT2A	183	125	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	0	0	0	0	0	58	76	76	71	96	97	97	98	137	97	138	138	138	138	138	137	138	0	0	
YPKA	GT11	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



### 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
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	27	27	25	25	26	26	27	27	28	27	29	29	29	34	32	30	30	31	31	31	30	30	30	31
PCUF	CUFK	53	33	33	33	33	32	35	32	32	33	33	32	33	35	34	34	33	35	32	34	32	33	33	34
Total Co-Gen		60	60	60	58	58	58	61	59	59	61	60	61	62	64	63	61	66	66	64	63	66	63	64	64
Total Gen		13925	13514	13159	12887	12768	12575	12386	12330	12116	12002	11966	12054	12339	12576	12404	12385	12662	13594	14296	14700	15023	15396	15629	15791
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		-97	-97	-98	-31	-28	-28	-28	-29	-29	-29	-28	-29	-29	-30	-31	-29	-98	-98	-98	-99	-99	-99	-99	-97
TIE-PLTG		-7	-8	41	12	-27	35	40	22	45	-12	3	0	-15	46	11	12	1	-19	12	25	-11	-5	-16	-8
Interconnection		-105	-105	-56	-18	-55	7	-68	-6	15	-41	-26	-27	-44	18	-18	-17	-28	-50	-17	-73	-109	-103	-115	-107
System Total		14090	13619	13206	12985	12823	12568	12454	12336	12101	12043	11992	12081	12383	12560	12422	12402	12690	13644	14313	14773	15132	15499	15744	15898
SRev ST-Coal		50	128	160	91	122	133	190	194	204	198	187	166	177	198	174	158	268	272	258	269	149	113	104	104
SRev ST-Oil		-2	-4	-2	-2	-4	-2	-1	-4	-7	0	1	-1	-1	1	1	3	1	-1	0	0	-1	0	0	0
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
SRev CCGT-Gas		1141	1038	893	1007	1007	1056	1059	1103	1302	1431	1486	1424	1133	871	1065	1161	1045	879	826	611	612	439	343	258
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	33	32	34	1	-2	-7	0	0	0
SRev Co-Gen		-3	-3	-3	-1	-1	-4	-2	-2	-4	-3	-4	-5	-7	-6	-4	-9	-9	-7	-6	-9	-6	-8	-6	-6
Syncon		374	374	374	374	374	525	676	676	676	676	676	676	676	676	525	525	525	525	525	525	374	374	374	374
Hydro		310	363	273	279	567	201	200	205	233	229	233	228	226	230	257	238	230	385	483	473	471	479	328	429
S.Reserve Total		1870	1896	1695	1748	1867	1910	2119	2175	2409	2523	2579	2491	2206	1967	2197	2260	2244	2087	2120	1872	1746	1543	1291	1159