

## Daily System Generation Summary on Monday

Monday, February 05, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,790 MW
Hydro	2,482 MW
Distillate	0 MW
Total TNB	4,272 MW
Total IPP	16,407 MW
Total Co-Gen	0 MW
Total System	20,679 MW

### Generation Mix

Type	MWh	Percentage
Gas	24,848	7.21 %
Hydro	31,853	9.25 %
<b>Total TNB</b>	<b>56,701</b>	<b>16.46 %</b>
ST-Coal	183,439	53.25 %
ST-Gas	1,649	0.48 %
ST-Oil	2,661	0.77 %
Gas	97,118	28.19 %
<b>Total IPP</b>	<b>284,867</b>	<b>82.69 %</b>
Co-Gen	1,412	0.41 %
<b>Total Co-Gen</b>	<b>1,412</b>	<b>0.41 %</b>
<b>Total Generation</b>	<b>342,980</b>	<b>99.56 %</b>
PLTG	-252	-0.07 %
HVDC	-1,266	-0.37 %
Interconnection	-1,518	-0.44 %
<b>Net Energy</b>	<b>344,498</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:	16:30:00 Hour
Total Set On Bus	17,720 MW
TNB Generation	3,022 MW
IPP Generation	13,313 MW
Spinning Reserve	1,327 MW
Maximum Demand	16,506 MW
Net Energy	344,498 MWH
Load Factor	86.96 %

### Fuel Cost

Total Cost:	58,896,336.82 RM
Cost per Unit	18.92 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	607
Hydro	481
Syncon	265
Thermal	103
<b>Total</b>	<b>1,456</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	47
PGPS	22
SRDG	3
TJGS	117
<b>Total TNB</b>	<b>188</b>
CBPS	51
KLPP	91
NPRI	152
PGLA	89
PLPS	82
PTEK	6
SGB3	44
SKSP	45
YPKA	76
PKLG	16
<b>Total IPP</b>	<b>653</b>
<b>Total Gas</b>	<b>841</b>
<b>Total Gas Required</b>	<b>866</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	25
<b>Total</b>	<b>25</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	13436	12766	12353	11903	11611	11522	11881	12152	12558	14371	15276	15838	15841	15557	16084	16462	16492	16219	15009	14804	15767	15843	15196	14794

Prepared By: Siti Nurhamizatul Aini

Checked By: -Select Name-

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





**Daily MW Generation on Monday**

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	27	28	26	27	28	28	29	28	25	26	25	24	26	25	25	26	24	24	24	24	25	27	26	26	24	24	24	26	26	24	25	25	25	24	25	25	25	25	27	26										
PCUF	CUFK	34	33	34	34	32	33	32	34	34	33	34	34	33	33	34	34	33	33	34	33	33	34	34	34	33	33	34	34	33	33	33	33	33	35	34	33	33	35	32	34	34	33								
Total Co-Gen		61	61	60	61	60	61	60	63	62	58	60	59	57	58	58	60	60	57	58	57	58	59	57	56	56	57	58	58	61	60	59	57	58	59	57	58	60	59	57	58	60	57	59	61	59					
Total Gen		13450	13079	12774	12490	12350	12055	11866	11819	11571	11543	11470	11720	11945	12242	12145	12133	12553	13570	14362	14801	15171	15516	15684	15935	15740	15517	15460	15741	15967	16353	16335	16401	16381	16393	16114	15525	14933	14723	14747	15392	15744	15623	15925	15535	15185	14958	14691	14178		
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				
TIE-HVDC		31	31	31	-28	-29	-29	-30	-30	-29	-29	-29	-30	-30	-30	-29	-29	-29	-98	-98	-98	-97	-97	-98	-98	-98	-98	-99	-99	-98	-98	-99	-99	-98	-98	-99	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-99				
TIE-PLTG		-16	-63	-23	-65	27	-45	-7	-4	-10	-31	-24	8	-6	34	23	12	24	-101	20	23	-7	-4	-57	6	-4	24	10	-4	-18	28	-28	9	-12	-14	-8	17	23	-9	-28	-55	6	-10	11	-22	18	-53	-74	-24		
Interconnection		14	-33	8	-92	-3	-74	-37	-33	-40	-60	-52	-20	-36	3	-7	-18	-5	-130	-9	-75	-105	-102	-154	-91	-101	-74	-89	-103	-117	-71	-127	-90	-111	-113	-105	-81	-76	-38	-57	-84	-23	-39	-18	-52	-11	-82	-103	-122		
System Total		13436	13112	12766	12582	12353	12129	11903	11852	11611	11603	11522	11740	11881	12239	12152	12151	12558	13700	14371	14876	15276	15618	15838	16026	15841	15591	15557	15844	16084	16424	16462	16491	16492	16506	16219	15606	15009	14761	14804	15476	15767	15901	15843	15587	15196	15040	14794	14300		
SRev ST-Coal		148	161	116	123	122	161	125	223	221	277	228	226	229	260	239	214	246	239	214	241	165	102	74	113	104	112	90	98	85	82	68	62	71	78	117	87	129	99	93	70	66	65	20	81	104	111	165	62		
SRev ST-Oil		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 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	
SRev CCGT-Gas		931	970	1530	1201	1249	1660	1743	1768	1985	2000	2056	1913	1840	1490	1611	1637	1224	1147	1025	729	557	626	588	461	624	782	709	563	541	415	497	463	619	613	719	722	1053	1139	991	571	425	373	475	779	693	926	915	1428		
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	30	31	34	37	39	41	41	41	41	-2	-2	-1	-2	-3	-2	-1	-2	-2	-2	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	-4	-3	-4	-3	-4	-3	-6	-5	-1	-3	-2	0	-1	-1	-1	-3	-3	0	-1	0	-1	-2	0	1	1	0	-1	-1	-4	-3	-2	0	-1	-1	-2	-2	0	-1	-3	-2	0	-1	-3	0	-2	-4	-2		
Syncon		777	777	777	777	777	777	777	777	1079	1079	1079	1079	928	1079	1079	777	500	574	374	374	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187		
Hydro		465	456	575	588	570	514	526	577	609	265	342	271	253	383	262	263	529	459	525	581	642	681	581	537	596	712	671	657	583	385	461	469	443	440	467	515	451	548	794	601	388	387	332	320	319	308	302	313		
S.Reserve Total		2317	2360	2795	2685	2715	3108	3168	3339	3587	3620	3732	3518	3435	3097	3229	3233	2814	2383	2179	1922	1736	1594	1426	1295	1510	1793	1842	1689	1393	1110	1236	1182	1392	1327	1545	1544	2081	2236	2287	1642	1290	1237	1279	1551	1490	1717	1749	2172		