

## Daily System Generation Summary on Friday

Friday, February 26, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,292 MW
Hydro	1,851 MW
Distillate	0 MW
<b>Total TNB</b>	<b>9,213 MW</b>
<b>Total IPP</b>	<b>10,151 MW</b>
<b>Total Co-Gen</b>	<b>11 MW</b>
<b>Total System</b>	<b>19,939 MW</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	47,723	14.13 %
Gas	71,103	21.06 %
Hydro	9,962	2.95 %
<b>Total TNB</b>	<b>128,788</b>	<b>38.14 %</b>
ST-Coal	135,041	39.99 %
Gas	72,545	21.48 %
<b>Total IPP</b>	<b>207,586</b>	<b>61.48 %</b>
Co-Gen	597	0.18 %
<b>Total Co-Gen</b>	<b>597</b>	<b>0.18 %</b>
<b>Total Generation</b>	<b>336,971</b>	<b>99.79 %</b>
PLTG	27	0.01 %
HVDC	-720	-0.21 %
<b>Interconnection</b>	<b>-693</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>337,664</b>	<b>100.00 %</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:	16:00:00 Hour
Total Set On Bus	17,031 MW
TNB Generation	6,674 MW
IPP Generation	9,233 MW
Spinning Reserve	1,101 MW
Maximum Demand	15,962 MW
Net Energy	337,664 MWH
Load Factor	88.14 %

### Fuel Cost

Total Cost:	44,442,663.25 RM
Cost per Unit	13.59 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	476
Hydro	386
Syncon	373
Thermal	79
<b>Total</b>	<b>1,314</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
CBPS	25
GLGR	53
NPRI	153
PAKA	15
PGPS	46
SRDG	9
TJGS	204
<b>Total TNB</b>	<b>505</b>
KLPP	91
MPSS	50
PGLA	109
PKLG	3
PLPS	91
SGRI	175
SKSP	47
<b>Total IPP</b>	<b>567</b>
<b>Total Gas</b>	<b>1,072</b>
<b>Total Gas Required</b>	<b>1,072</b>

### 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	14049	13296	12685	12308	12093	11923	11977	11878	12132	13755	14694	15369	15274	14862	15195	15892	15962	15543	14671	14187	15379	15203	14769	14470

Prepared By: Mohd Yusof bin Ismail

Checked By: Kannathason a/l Karupiah

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(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi





### Daily MW Generation on Friday

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																											
UPIA	HY01	5	5	5	5	5	2	2	2	2	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5																											
Total Hydro		161	165	160	160	166	167	175	164	168	155	155	181	159	190	165	167	158	161	183	184	228	384	611	961	852	452	529	587	671	932	1146	1124	1085	1086	895	316	252	207	211	474	460	462	501	502	405	407	296	316			
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	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
PCUF	CUFG	7	7	7	7	8	8	7	7	7	7	6	7	8	7	6	6	5	6	6	5	6	5	5	6	6	6	6	7	5	6	6	6	6	6	6	6	6	7	7	6	7	7	6	7	7	6	8	8	8	8	8
PCUF	CUFK	18	18	18	19	17	19	18	18	17	18	17	18	18	18	19	18	18	18	18	18	18	18	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	18	19	18	19	19	19
Total Co-Gen		25	25	25	26	25	27	26	25	24	26	24	25	26	24	25	26	24	23	25	24	23	24	22	23	24	22	23	24	24	24	25	23	24	24	26	25	24	25	25	24	26	26	24	26	26	24	27	26	27	27	27
Total Gen		14096	13635	13272	12844	12694	12485	12283	12068	12061	11905	11893	11925	11959	11931	11930	11752	12043	12996	13766	14218	14673	15021	15263	15480	15237	15110	14908	14950	15119	15444	15694	15859	15930	15930	15627	15030	14660	14253	14120	14858	15375	15256	15165	14984	14706	14679	14382	14373			
TIE-BGAT		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	0
TIE-HVDC		-31	-29	-29	-29	-29	-30	-31	-30	-29	-32	-29	-29	-31	-31	-30	-30	-31	-32	-31	-31	-30	-31	-32	-31	-31	-30	-30	-29	-29	-30	-30	-31	-31	-29	-29	-30	-32	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	
TIE-PLTG		-11	-16	5	-25	38	-40	6	53	-1	52	-1	12	11	37	82	6	-59	58	41	9	8	-18	-76	-37	-6	33	76	-27	-46	-151	-169	-70	-2	80	115	-53	18	57	-38	134	26	2	-8	50	-33	20	-58	-32			
Interconnection		-43	-45	-24	-54	9	-69	-25	22	-32	21	-30	-20	-18	8	52	-26	-89	28	11	-22	-21	-47	-106	-67	-37	1	46	-57	-76	-180	-198	-99	-32	50	84	-84	-11	28	-67	101	-4	-28	-38	20	-63	-10	-88	-62			
System Total		14049	13680	13296	12898	12685	12554	12308	12046	12093	11884	11923	11945	11977	11923	11878	11778	12132	12968	13755	14240	14694	15068	15369	15547	15274	15109	14862	15007	15195	15624	15892	15958	15962	15880	15543	15114	14671	14225	14187	14757	15379	15284	15203	14964	14769	14689	14470	14435			
S.Rev ST-Coal		107	53	125	111	218	276	275	324	312	233	193	202	175	194	34	59	82	60	16	-3	-160	156	257	121	146	105	170	129	37	-27	92	123	117	20	-61	-133	21	48	46	29	39	29	203	208	203	210	213	196			
S.Rev 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	0
S.Rev CCGT-Gas		540	764	894	1208	1316	1458	1439	1483	1512	1814	1932	2033	2185	2053	2139	2190	1880	1248	846	589	494	385	321	189	303	539	682	390	288	254	279	270	397	496	590	704	1005	1339	1479	1021	479	612	568	840	491	507	403	105			
S.Rev 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	0
S.Rev Co-Gen		-14	-14	-14	-15	-14	-16	-15	-14	-13	-15	-13	-14	-15	-13	-14	-15	-15	-14	-15	-13	-12	-14	-13	-12	-13	-11	-12	-13	-13	-13	-14	-12	-13	-13	-15	-14	-13	-14	-14	-13	-15	-15	-13	-16	-15	-16	-16	-16			
Syncon		953	802	802	802	802	802	802	802	802	802	802	651	802	802	802	802	802	802	802	701	428	277	277	615	575	424	403	403	151	151	151	151	151	529	716	802	802	328	227	227	328	328	328	328	414	414	414				
Hydro		142	139	144	144	138	137	129	140	136	149	149	123	145	265	139	137	146	143	171	170	176	371	417	318	427	389	352	445	382	269	307	329	368	367	558	459	336	295	267	454	569	567	527	526	523	521	546	526			
S.Reserve Total		1728	1744	1951	2250	2460	2657	2630	2735	2749	2983	3063	3146	3292	3150	3100	3173	2895	2238	1821	1543	1299	1601	1409	892	1141	1635	1768	1376	1097	899	823	863	1101	1025	1378	1544	2064	2471	2580	1818	1301	1420	1611	1892	1624	1551	1560	1225			