

## Daily System Generation Summary on Friday

Friday, February 16, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,794 MW
Hydro	2,368 MW
Distillate	0 MW
Total TNB	<u>5,162 MW</u>
Total IPP	<u>15,885 MW</u>
Total Co-Gen	<u>57 MW</u>
Total System	<u>21,676 MW</u>

### Generation Mix

Type	MWh	Percentage
Gas	39,776	13.68 %
Hydro	10,323	3.55 %
<b>Total TNB</b>	<b>50,099</b>	<b>17.23 %</b>
ST-Coal	152,848	52.57 %
Gas	88,533	30.45 %
<b>Total IPP</b>	<b>241,381</b>	<b>83.01 %</b>
Co-Gen	219	0.08 %
<b>Total Co-Gen</b>	<b>219</b>	<b>0.08 %</b>
<b>Total Generation</b>	<b>291,699</b>	<b>100.32 %</b>
PLTG	202	0.07 %
HVDC	724	0.25 %
Interconnection	926	0.32 %
<b>Net Energy</b>	<b>290,773</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:	00:00:00 Hour
Total Set On Bus	15,501 MW
TNB Generation	2,149 MW
IPP Generation	11,684 MW
Spinning Reserve	1,611 MW
Maximum Demand	13,831 MW
Net Energy	290,773 MWH
Load Factor	87.60 %

### Fuel Cost

Total Cost:	52,633,061.82 RM
Cost per Unit	18.71 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	326
Hydro	185
Syncon	1,002
Thermal	167
<b>Total</b>	<b>1,680</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	57
SRDG	3
TJGS	218
<b>Total TNB</b>	<b>279</b>
CBPS	56
KLPP	112
NPRI	83
PGLA	113
PLPS	89
PTEK	6
SGB3	11
SKSP	27
YPKA	75
<b>Total IPP</b>	<b>573</b>
<b>Total Gas</b>	<b>852</b>

**Total Gas Required 852**

### 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	13831	13251	12868	12333	12065	11683	11559	11321	10400	10636	10988	11346	11472	11606	11604	11828	11997	12147	12052	12238	13606	13682	13450	13303

Prepared By: Abu Bakar bin K.K. Ibrahim

Checked By: -Select Name-

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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																										
TIE-PLTG		28	21	-3	27	1	-18	9	33	-51	-26	-18	24	15	21	44	15	-8	-4	3	9	-7	-11	7	6	-23	9	-10	15	29	22	3	32	32	49	15	41	23	62	21	17	-43	-26	22	9	14	1	1	14		
Interconnection		59	51	27	57	31	11	39	64	-21	4	12	54	45	51	74	45	23	26	33	39	23	20	38	36	7	39	19	45	60	53	34	62	62	81	47	71	53	92	51	48	-13	4	8	39	45	31	30	43		
System Total		13831	13474	13251	13004	12860	12479	12333	12134	12065	11820	11683	11548	11559	11480	11321	10796	10400	10520	10636	10683	10988	11249	11346	11340	11472	11490	11604	11511	11604	11684	11828	11931	11997	12095	12147	12032	12052	11989	12238	12966	13606	13629	13682	13504	13450	13420	13303	13214		
SRev ST-Coal		195	188	165	195	241	362	432	385	379	370	383	317	291	285	284	307	302	274	163	124	167	337	220	335	157	209	81	176	171	168	172	146	155	154	163	149	163	182	183	205	118	93	93	103	144	256	251	245		
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		458	526	588	584	524	352	315	386	201	271	337	354	201	272	374	760	1069	1013	867	783	499	244	206	200	507	463	426	370	234	207	357	385	319	201	196	302	286	286	184	263	174	233	145	107	105	112	227	168		
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	
SRev Co-Gen		0	48	49	49	50	48	49	49	49	50	49	49	49	50	49	48	48	49	48	48	48	48	48	51	48	48	49	49	49	50	48	48	49	49	49	50	50	48	49	49	49	49	49	49	49	49	47	51	48	49
Syncon		590	878	878	878	777	777	1029	1029	1029	842	842	741	842	842	1029	1180	1180	1180	993	1081	1081	1081	1081	1081	1081	1081	1081	1268	1268	1268	1268	1081	1081	1081	1081	930	1081	930	1081	1117	1167	1079	1029	691	540	439	313	313	313	
Hydro		388	382	377	390	352	441	231	263	209	226	230	237	209	220	255	190	182	142	155	139	138	156	164	169	95	34	49	149	131	90	79	110	151	113	256	154	307	181	308	114	33	189	341	481	528	455	505	524		
S.Reserve Total		1611	2022	2057	1894	1744	1980	2054	2112	1867	1759	1841	1698	1592	1669	1989	2485	2781	2658	2226	2175	1933	1866	1722	1833	1888	1836	1873	2012	1854	1781	1737	1771	1755	1598	1605	1736	1734	1779	1791	1818	1464	1597	1321	1458	1302	1187	1242	1299		