

Daily System Generation Summary on Sunday

Sunday, October 30, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,201 MW
Hydro	2,287 MW
Distillate	0 MW
Total TNB	5,488 MW
Total IPP	12,495 MW
Total Co-Gen	60 MW
Total System	18,607 MW

Generation Mix

Type	MWh	Percentage
Gas	35,295	12.82 %
Hydro	7,648	2.78 %
Total TNB	42,943	15.60 %
ST-Coal	169,021	61.41 %
Gas	62,365	22.66 %
Total IPP	231,386	84.07 %
Co-Gen	1,171	0.43 %
Total Co-Gen	1,171	0.43 %
Total Generation	275,500	100.10 %
PLTG	-434	-0.16 %
HVDC	718	0.26 %
Interconnection	284	0.10 %
Net Energy	275,216	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	14,977 MW
TNB Generation	2,687 MW
IPP Generation	10,448 MW
Spinning Reserve	1,792 MW
Maximum Demand	13,189 MW
Net Energy	275,216 MWH
Load Factor	86.95 %

Fuel Cost

Total Cost:	36,909,391.55 RM
Cost per Unit	13.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	403
Hydro	171
Syncon	875
Thermal	155
Total	1,604

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
PAKA	10
PGPS	25
SRDG	10
TJGS	205
Total TNB	249

KLPP	80
MPSS	37
NPRI	70
PDPS	7
PGLA	25
PKLG	4
PLPS	82
PTEK	7
SGRI	167
SKSP	16
Total IPP	492

Total Gas 741

Total Gas Required 741

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	11812	11268	11023	10531	10277	10256	10259	10006	9876	10459	11210	11617	11706	11599	11843	11817	11742	11579	11591	12470	13158	13122	12904	12610

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Checked By: Ibrahim bin Said

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Sunday

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-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		30	30	29	29	31	31	30	30	30	31	30	29	31	29	30	30	30	30	30	29	31	31	31	31
TIE-PLTG		16	-71	-28	20	3	-77	24	-1	17	-27	-38	7	-31	-10	75	19	-4	-20	-18	25	-53	-26	-54	-6
Interconnection		46	-41	2	49	33	-46	54	29	47	3	-8	39	0	19	106	48	26	10	11	54	-23	4	-24	24
System Total		11812	11658	11268	11058	11023	10894	10531	10379	10277	10252	10256	10315	10259	10369	10006	9798	9876	10176	10459	10713	11210	11420	11617	11632
SRev SI-Coal		240	296	287	307	242	277	494	497	508	502	496	498	492	485	494	623	622	628	461	376	170	172	160	169
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		292	344	408	547	588	864	879	976	1054	1139	1147	1045	1134	1035	1273	1300	1284	993	713	532	558	395	485	318
SRev SI-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 Co-Gen		10	12	10	11	11	7	11	9	10	9	8	11	10	10	11	11	9	11	10	12	12	12	15	11
Syncon		1073	1073	1073	1073	1073	922	1073	1073	1073	1073	922	1073	1073	1199	1199	464	516	516	600	600	827	827	827	827
Hydro		143	127	171	149	142	132	220	141	137	124	131	121	136	265	139	148	142	125	300	233	199	121	169	131
S.Reserve Total		1758	1877	1949	2087	2056	2353	2526	2696	2782	2947	2855	2748	2945	2717	2990	3155	3256	2956	1948	1668	1455	1390	1428	1460