



Daily System Generation Summary on Sunday

Sunday, January 01, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,194 MW
Hydro	2,313 MW
Distillate	0 MW
Total TNB	5,507 MW
Total IPP	14,373 MW
Total Co-Gen	25 MW
Total System	19,905 MW

Generation Mix

Type	MWh	Percentage
Gas	34,661	12.54 %
Hydro	6,430	2.33 %
Total TNB	41,091	14.87 %
ST-Coal	150,764	54.54 %
Gas	82,907	29.99 %
Total IPP	233,671	84.54 %
Co-Gen	814	0.29 %
Total Co-Gen	814	0.29 %
Total Generation	275,576	99.70 %
PLTG	-137	-0.05 %
HVDC	-699	-0.25 %
Interconnection	-836	-0.30 %
Net Energy	276,412	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:	20:00:00 Hour
Total Set On Bus	14,699 MW
TNB Generation	2,154 MW
IPP Generation	10,745 MW
Spinning Reserve	1,765 MW
Maximum Demand	13,005 MW
Net Energy	276,412 MWH
Load Factor	88.56 %

Fuel Cost

Total Cost:	37,292,945.50 RM
Cost per Unit	13.86 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	380
Hydro	221
Syncon	962
Thermal	236
Total	1,799

Time Weather Temperature

Afternoon	Hot	32
Morning	Rainy	27

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	12134	11725	11488	11080	10760	10645	10745	10457	9967	10384	10948	11611	11608	11590	11600	11699	11692	11616	11467	12065	13005	12869	12559	12260

Gas Usage

Station	(mmscfd)
GLGR	56
PGPS	33
SRDG	2
TJGS	162
Total TNB	253
CBPS	55
KLPP	83
NPRI	150
PGLA	103
PLPS	46
PTEK	1
SGRI	171
Total IPP	609
Total Gas	862
Total Gas Required	862

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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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																								
SRev Co-Gen		5	-9	-11	-9	-11	-11	-11	-10	-11	-9	-12	-11	-12	-10	-10	-11	-9	-10	-10	-8	-8	-7	-9	-8	-6	-9	-9	-9	-9	-10	-9	-10	-8	-7	-9	-7	-9	-10	-8	-10	-7	-8	-13	-12	-14	-12	-12	
Syncon		1142	1142	1142	1142	1142	1142	1142	1142	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991
Hydro		118	142	118	111	125	129	117	114	113	244	112	111	110	109	110	111	72	72	104	233	107	107	281	195	198	68	152	151	245	245	326	198	198	239	238	99	99	96	97	274	317	313	196	208	249	243	115	115
S.Reserve Total		2640	2523	2462	2373	2400	2487	2620	2640	2835	2524	2406	2357	2337	2339	2590	2888	3096	2785	2745	2427	2152	1797	1803	1719	1767	1642	1668	1621	2015	1909	1739	1865	1776	1850	1925	1957	1985	2080	1726	1542	1765	1786	1774	1774	2040	1905	1757	1732