

Daily System Generation Summary on Sunday

Sunday, November 20, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,999 MW
Hydro	2,500 MW
Distillate	0 MW
Total TNB	5,499 MW
Total IPP	15,561 MW
Total Co-Gen	20 MW
Total System	21,644 MW

Generation Mix

Type	MWh	Percentage
Gas	38,009	12.53 %
Hydro	8,847	2.92 %
Total TNB	46,856	15.45 %
ST-Coal	177,323	58.46 %
Gas	79,668	26.26 %
Total IPP	256,991	84.72 %
Co-Gen	438	0.14 %
Total Co-Gen	438	0.14 %
Total Generation	304,285	100.31 %
PLTG	227	0.07 %
EGAT	-5	0.00 %
HVDC	721	0.24 %
Interconnection	943	0.31 %
Net Energy	303,342	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:	20:30:00 Hour
Total Set On Bus	16,118 MW
TNB Generation	2,290 MW
IPP Generation	11,988 MW
Spinning Reserve	1,821 MW
Maximum Demand	14,245 MW
Net Energy	303,342 MWH
Load Factor	88.73 %

Fuel Cost

Total Cost:	40,306,927.15 RM
Cost per Unit	13.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	418
Hydro	209
Syncon	1,023
Thermal	97
Total	1,747

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
PGPS	24
TJGS	216
Total TNB	269
CBPS	24
KLPP	80
NPRI	149
PGLA	81
PLPS	90
SGRI	162
SKSP	1
Total IPP	588
Total Gas	857
Total Gas Required	857

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	13327	12831	12458	11996	11666	11454	11475	11184	10906	11578	12199	12657	12597	12739	12994	13063	13061	12773	12653	13390	14182	14235	13941	13628

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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 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		489	566	366	279	290	478	714	894	1060	1053	1211	1241	1154	754	1227	1422	1392	1078	789	970	704	459	425	303	521	398	377	187	177	245	233	309	278	527	841	1064	1250	1485	887	564	689	570	632	574	771	656	450	520		
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	0
SRev Co-Gen		3	2	0	3	1	1	3	2	3	3	2	0	2	2	1	2	1	3	2	0	1	1	1	3	3	2	1	2	1	2	3	1	1	2	2	1	2	3	2	1	1	1	2	2	3	3	0	0		
Syncon		1097	1097	1097	1097	1097	1097	1097	1097	946	1097	946	1097	591	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	1036	
Hydro		94	97	98	133	134	102	132	130	136	264	134	271	137	223	134	135	141	117	97	116	139	120	107	121	123	124	190	135	145	148	180	183	182	185	323	165	167	39	253	356	332	334	328	327	313	299	160	165		
S.Reserve Total		1817	1877	1785	1751	1755	1853	2083	2282	2427	2502	2686	2694	2650	1850	2443	2687	2674	2329	2008	2171	2001	1740	1688	1587	1911	1676	1717	1606	1597	1680	1682	1760	1734	1074	2271	2477	2717	2740	2283	1796	1928	1821	1869	1829	2018	1873	1929	1998		