

Daily System Generation Summary on Sunday

Sunday, September 25, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,395 MW
Hydro	2,214 MW
Distillate	0 MW
Total TNB	5,609 MW
Total IPP	12,924 MW
Total Co-Gen	20 MW
Total System	19,117 MW

Generation Mix

Type	MWh	Percentage
Gas	48,550	15.63 %
Hydro	7,778	2.50 %
Total TNB	56,328	18.13 %
ST-Coal	174,725	56.24 %
Gas	80,141	25.80 %
Total IPP	254,866	82.04 %
Co-Gen	309	0.10 %
Total Co-Gen	309	0.10 %
Total Generation	311,503	100.27 %
PLTG	113	0.04 %
HVDC	738	0.24 %
Interconnection	851	0.27 %
Net Energy	310,652	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	15,977 MW
TNB Generation	3,263 MW
IPP Generation	11,279 MW
Spinning Reserve	1,422 MW
Maximum Demand	14,565 MW
Net Energy	310,652 MWH
Load Factor	88.87 %

Fuel Cost

Total Cost:	39,205,312.35 RM
Cost per Unit	12.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	429
Hydro	278
Syncon	972
Thermal	278
Total	1,957

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	50
PAKA	64
PGPS	26
SRDG	0
TJGS	218
Total TNB	359
CBPS	53
MPSS	33
NPRI	78
PGLA	107
PLPS	93
PTEK	1
SGB3	82
SGRI	101
SKSP	51
Total IPP	598
Total Gas	956

Total Gas Required 956

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	14161	13674	13039	12573	12294	11996	11870	11558	11012	11647	12338	12707	12794	12769	13121	13157	13323	12941	12648	13075	14401	14525	14445	14202

Prepared By: Ibrahim bin Said

Checked By: Kannathason a/l Karuppiah

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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		31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
TIE-PLTG		9	28	23	5	14	-43	52	15	-31	7	19	1	-22	9	71	5	-9	-21	-14	10	-52	-32	19	
Interconnection		40	59	54	36	45	-12	83	46	0	38	50	32	9	40	102	36	22	10	17	41	-21	-1		
System Total		14161	13806	13674	13314	13039	12859	12573	12386	12294	12161	11996	11977	11870	11914	11558	11145	11012	11446	11647	11924	12338	12577	12707	
SRev ST-Coal		282	280	277	278	279	303	278	291	251	194	286	287	283	279	283	297	294	287	289	282	286	281	278	
SRev OCGT-Gas		157	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		237	129	176	208	215	424	416	554	706	847	996	1033	1169	1092	1413	1862	1993	1584	1380	1091	720	620	495	
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	
SRev Co-Gen		9	6	6	9	6	6	6	6	8	9	7	9	9	7	9	6	6	8	9	9	9	7	9	
Syncon		936	1037	1037	1037	1037	1037	886	1037	1037	1037	1037	1037	1037	1037	886	886	1037	1037	1037	1037	1037	911	911	
Hydro		171	104	111	114	115	124	130	253	135	135	135	135	139	135	265	273	148	141	133	125	137	115	137	
S.Reserve Total		1792	1556	1707	1746	1752	1994	1967	2090	2235	2321	2563	2599	2737	2652	2954	3427	3578	3155	2947	2644	2289	2160	2056	