

Daily System Generation Summary on Sunday

Sunday, November 06, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,115 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	5,472 MW
Total IPP	13,224 MW
Total Co-Gen	50 MW
Total System	18,746 MW

Generation Mix

Type	MWh	Percentage
Gas	55,743	18.84 %
Hydro	9,415	3.18 %
Total TNB	65,158	22.02 %
ST-Coal	158,729	53.64 %
ST-Gas	3,346	1.13 %
ST-Oil	2,571	0.87 %
Gas	65,690	22.20 %
Total IPP	230,336	77.85 %
Co-Gen	1,103	0.37 %
Total Co-Gen	1,103	0.37 %
Total Generation	296,597	100.24 %
PLTG	-13	0.00 %
HVDC	722	0.24 %
Interconnection	709	0.24 %
Net Energy	295,888	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	15,807 MW
TNB Generation	3,506 MW
IPP Generation	10,609 MW
Spinning Reserve	1,644 MW
Maximum Demand	14,122 MW
Net Energy	295,888 MWH
Load Factor	87.30 %

Fuel Cost

Total Cost:	40,843,160.65 RM
Cost per Unit	14.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	389
Hydro	288
Syncon	867
Thermal	180
Total	1,724

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	28
GLGR	5
PAKA	150
PGPS	25
SRDG	6
TJGS	215
Total TNB	429
KLPP	99
NPRI	134
PGLA	5
PLPS	63
PTEK	8
SGRI	197
PKLG	33
Total IPP	539
Total Gas	968

Total Gas Required 994

Alternate Fuel Usage

Station	(mmscfd)
PKLG	26
Total	26

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	13096	12379	11970	11621	11263	11138	11071	10766	10490	11089	11750	12200	12341	12407	12550	12687	12785	12615	12288	13154	14049	14119	13905	13584

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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
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUPG	29	28	29	28	29	29	29	29	29	29	28	29	27	30	28	28	28	28	27	25	25	25	24	24
PCUF	CURK	18	16	21	18	17	20	18	19	17	19	17	18	18	18	18	18	18	17	17	17	20	18	19	18
Total Co-Gen		47	44	50	46	46	49	47	48	46	48	46	47	45	49	45	47	45	46	48	45	43	43	43	42
Total Gen		13104	12719	12388	12093	11964	11780	11667	11562	11343	11323	11195	11179	11132	11206	10873	10571	10459	10784	11116	11396	11722	12028	12200	12356
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		29	29	29	29	31	29	30	30	30	30	29	29	30	30	31	31	31	31	30	30	31	31	30	30
TIE-PLTG		-21	0	-19	-58	-37	-6	16	-8	50	20	28	2	32	-15	77	29	-21	-79	-4	-19	-58	-54	-31	-15
Interconnection		8	29	10	-29	-6	23	46	21	80	50	57	32	61	14	107	59	9	-48	27	12	-28	-24	0	16
System Total		13096	12590	12379	12122	11970	11757	11621	11541	11263	11275	11138	11147	11071	11194	10766	10512	10490	10832	11089	11394	11750	12052	12200	12340
SRev ST-Coal		110	182	184	190	185	158	203	177	247	219	275	188	200	175	223	206	181	177	182	184	143	184	188	197
SRev ST-Oil		-2	-1	-1	-2	-2	-1	-1	-2	-2	-2	25	38	37	37	37	37	37	37	37	37	38	0	0	0
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		466	234	493	531	455	672	734	768	906	956	1021	1011	950	889	1163	1444	1547	1267	953	655	446	324	420	318
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	-3	-5	4
SRev Co-Gen		3	6	0	4	4	1	3	2	4	2	4	3	4	3	5	1	5	3	5	4	2	5	7	7
Syncon		1248	1097	1248	1248	1248	1248	1248	1248	1349	1349	1349	1349	1349	1349	1198	1198	946	946	946	946	946	946	845	845
Hydro		130	242	110	106	108	104	108	107	116	114	121	107	106	100	111	153	143	144	270	137	190	124	140	158
S.Reserve Total		1955	1760	2034	2077	1998	2182	2295	2300	2519	2537	2687	2683	2647	2553	2888	3190	3252	2977	2845	2215	1784	1620	1738	1684