

Daily System Generation Summary on Friday

Friday, October 17, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,256 MW
Hydro	1,657 MW
Distillate	0 MW
Total TNB	7,983 MW
Total IPP	9,539 MW
Total Co-Gen	0 MW
Total System	17,522 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,159	14.65 %
Gas	73,476	22.35 %
Hydro	15,296	4.65 %
Total TNB	136,931	41.66 %
ST-Coal	90,351	27.49 %
ST-Gas	4,684	1.42 %
ST-Oil	13,333	4.06 %
Gas	79,922	24.31 %
Distillate	398	0.12 %
Total IPP	188,688	57.40 %
Co-Gen	1,803	0.55 %
Total Co-Gen	1,803	0.55 %
Total Generation	327,422	99.61 %
PLTG	-582	-0.18 %
HVDC	-698	-0.21 %
Interconnection	-1,280	-0.39 %
Net Energy	328,702	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	16,666 MW
TNB Generation	6,973 MW
IPP Generation	8,507 MW
Spinning Reserve	1,113 MW
Maximum Demand	15,625 MW
Net Energy	328,702 MWH
Load Factor	87.65 %

Fuel Cost

Total Cost:	52,878,471.67 RM
Cost per Unit	16.93 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	438
Hydro	267
Syncon	200
Thermal	40
Total	945

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	19
CBPS	58
GLGR	58
PAKA	122
PGGS	16
PGPS	51
SRDG	41
TJGS	212
Total TNB	576
KLPP	97
MPSS	57
PDPS	16
PLPS	102
PTEK	17
SGB3	22
SGRI	207
SKSP	58
YPKA	68
Total IPP	645
Total Gas	1,221

Total Gas Required 1,351

Alternate Fuel Usage

Station	(mmscfd)
KLPP	1
PLPS	1
SGRI	1
PKLG	126
Total	130

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	13200	12610	12241	11915	11555	11422	11474	11467	11970	13833	14768	15492	15504	14992	15167	15626	15578	15087	14242	14392	14795	14383	13748	13415

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Printed on: Saturday, October 18, 2014 9:10:36 AM

(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Friday

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
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	117	114	114	114	114	114	114	112	104
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	111	112	110	104	113	112	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	111	112	111	104	112	112	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	49	49	49	49	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	50	50	49	49	49	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	25	25	25	25	25	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	28	34	33	38	34	36	38	33	33	33	30	31	33	34	33	33	35	38	32	35	34	81	80	81
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	30	32	32	62	81	79	79	28
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		224	242	240	252	244	283	287	285	275	281	229	233	251	296	247	256	191	353	807	786	926	1011	1055	
KLPP	GT14	90	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	134	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		378	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUEG	36	37	37	35	36	37	36	38	36	37	37	37	38	38	36	38	37	34	35	35	34	34	35	34
PCUF	CUEK	39	39	40	39	40	40	39	39	39	40	41	40	39	40	39	40	39	40	40	40	40	39	39	38
Total Co-Gen		75	76	77	74	76	77	76	77	75	76	77	78	77	78	75	78	77	72	74	73	74	74	73	
Total Gen		13246	12820	12572	12273	12173	11776	11811	11625	11519	11495	11410	11413	11458	11681	11461	11403	11974	12887	13820	14269	14716	15042	15467	
TIE-BGAT		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	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-30	-28	-28	-29	-29	-29	-29
TIE-PLTG		76	-51	-9	-62	-38	-116	-76	6	-7	8	18	-4	12	-11	23	-12	34	-19	16	20	-24	-19	4	
Interconnection		46	-80	-38	-92	-68	-145	-104	-23	-36	-21	-12	-33	-16	-40	-6	-41	4	-48	-13	-8	-52	-49	-25	
System Total		13200	12990	12610	12365	12241	11921	11915	11648	11555	11516	11422	11446	11474	11721	11467	11444	11970	12935	13833	14277	14768	15091	15492	
SRev ST-Coal		90	1	29	66	40	34	43	34	20	35	32	29	39	34	47	38	39	47	75	0	44	44	52	
SRev ST-Oil		6	5	5	6	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
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		226	185	394	391	511	954	913	1108	1216	1231	1269	1273	1235	1062	1221	1403	1042	656	205	352	297	243	153	
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
SRev Distillate		48	130	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		1	0	-1	2	0	-1	0	-1	1	0	-1	-2	-1	-1	-2	1	-2	-1	4	2	3	2	2	1
Syncon		727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727
Hydro		124	106	108	96	104	65	61	163	224	218	119	115	97	203	101	92	119	157	363	422	382	347	303	
S.Reserve Total		1222	1154	1262	1288	1388	1785	1750	2036	2042	2066	2151	2148	2103	1880	2100	2191	1931	1592	940	1045	913	913	963	