

Daily System Generation Summary on Monday

Monday, September 05, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,142 MW
Distillate	0 MW
Total TNB	5,690 MW
Total IPP	13,546 MW
Total Co-Gen	40 MW
Total System	19,840 MW

Generation Mix

Type	MWh	Percentage
Gas	69,365	20.21 %
Hydro	9,095	2.65 %
Total TNB	78,460	22.86 %
ST-Coal	162,359	47.31 %
Gas	102,102	29.75 %
Total IPP	264,461	77.06 %
Co-Gen	814	0.24 %
Total Co-Gen	814	0.24 %
Total Generation	343,735	100.15 %
PLTG	-161	-0.05 %
EGAT	-36	-0.01 %
HVDC	724	0.21 %
Interconnection	527	0.15 %
Net Energy	343,208	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:	16:00:00 Hour
Total Set On Bus	18,112 MW
TNB Generation	4,274 MW
IPP Generation	12,261 MW
Spinning Reserve	1,549 MW
Maximum Demand	16,567 MW
Net Energy	343,208 MWH
Load Factor	86.32 %

Fuel Cost

Total Cost:	47,449,274.30 RM
Cost per Unit	14.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	373
Hydro	342
Syncon	943
Thermal	168
Total	1,826

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	34
GLGR	54
PAKA	169
PGPS	43
SRDG	16
TJGS	219
Total TNB	534

CBPS	55
KLPP	99
MPSS	52
NPRI	78
PGLA	111
PLPS	89
PTEK	12
SGB3	87
SGRI	138
SKSP	49
Total IPP	769

Total Gas 1,303

Total Gas Required 1,303

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	13136	12566	12078	11645	11428	11309	11638	11608	12273	14296	15314	16021	16082	15790	16308	16525	16567	16134	15105	14834	15898	15740	15214	14836

Prepared By: Siti Nurhamizatul Aini

Checked By: -Select Name-

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Monday

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
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	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	HY01	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	HY02	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	HY03	25	25	25	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-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	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	HY04	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UPIA	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
Total Hydro		217	330	258	193	167	175	167	167	166	165	165	177	185	187	185	198	208	207	643	787	830	842	824	865
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	CUFG	20	20	19	20	19	20	20	20	20	20	19	19	19	18	17	17	17	15	16	15	42	45	45	43
PCUF	CUFK	13	15	13	14	14	14	12	14	12	14	14	13	13	13	14	13	14	13	13	13	12	14	13	12
Total Co-Gen		33	35	32	34	33	34	34	32	34	32	34	34	32	33	32	33	31	31	32	29	29	30	29	55
Total Gen		13168	12673	12601	12184	12090	11883	11646	11664	11437	11447	11315	11419	11607	11814	11649	11735	12317	13507	14284	15008	15312	15749	16037	
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		30	30	30	30	30	31	31	30	30	31	31	31	32	29	29	31	29	30	29	30	30	30	30	30
TIE-PLTG		1	-74	5	-36	-18	-51	-30	14	-21	3	-25	14	-63	-15	12	0	14	-3	-42	-22	-32	43	-13	
Interconnection		32	-43	35	-6	12	-20	1	44	9	34	6	45	-31	14	41	31	44	27	-12	8	-2	73	16	
System Total		13136	12716	12566	12190	12078	11903	11645	11620	11428	11413	11309	11374	11638	11800	11608	11704	12273	13480	14296	15000	15314	15676	16021	
SRev ST-Coal		9	9	18	-3	2	5	12	11	20	18	-78	8	16	25	11	21	20	19	29	291	262	142	425	
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	
SRev CCGT-Gas		522	512	473	838	981	1194	1416	1397	1617	1696	1880	1880	1696	1486	1668	1669	1357	877	527	328	248	401	294	
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		7	5	8	6	7	6	6	8	8	8	6	6	8	7	8	8	7	9	9	8	11	11	10	
Syncon		1149	998	998	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	1149	
Hydro		132	170	242	156	132	124	132	132	133	134	134	122	114	263	114	101	91	92	384	265	297	286	304	
S.Reserve Total		1819	1694	1739	2146	2271	2478	2715	2697	2924	3004	3091	3177	2989	2782	2947	2961	2635	2143	1806	1833	1604	1663	1870	