



Daily System Generation Summary on Tuesday

Tuesday, January 17, 2017

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,077 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	5,586 MW
Total IPP	14,721 MW
Total Co-Gen	30 MW
Total System	20,337 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	53
PAKA	210
PGPS	50
SRDG	22
TJGS	111
Total TNB	495

Alternate Fuel Usage

Station	(mmscfd)
PKLG	1
Total	1

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,965 MW
TNB Generation	3,958 MW
IPP Generation	12,689 MW
Spinning Reserve	1,291 MW
Maximum Demand	16,621 MW
Net Energy	348,542 MWH
Load Factor	87.37 %

CBPS	55
KLPP	106
MPSS	52
NPRI	149
PGLA	111
PKLG	3
PLPS	63
PTEK	19
SGRI	149
SKSP	45
PKLG	49
Total IPP	800
Total Gas	1,296

Generation Mix

Type	MWh	Percentage
Gas	61,507	17.65 %
Hydro	12,740	3.66 %
Total TNB	74,247	21.30 %
ST-Coal	169,790	48.71 %
ST-Gas	4,887	1.40 %
ST-Oil	94	0.03 %
Gas	100,321	28.78 %
Total IPP	275,092	78.93 %
Co-Gen	625	0.18 %
Total Co-Gen	625	0.18 %
Total Generation	349,964	100.41 %
PLTG	692	0.20 %
HVDC	730	0.21 %
Interconnection	1,422	0.41 %
Net Energy	348,542	100.00 %

Fuel Cost

Total Cost:	60,013,575.15 RM
Cost per Unit	17.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	354
Hydro	345
Syncon	821
Thermal	191
Total	1,711

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Total Gas	1,297
Required	

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	14174	13479	12807	12527	12259	12146	12433	12345	12743	14533	15345	16110	16099	15803	16316	16621	16474	15987	15001	14917	15610	15438	14918	14322

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Checked By: -Select Name-

Printed on: Wednesday, January 18, 2017 6:13:14 AM
(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

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
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	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	-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	30	30	31	30	30	30	31	33	32	32	32	33	33	33	32	32	34	34	39	30	41	39	37	31
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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		370	169	172	180	169	168	173	179	175	176	177	177	183	179	173	175	173	241	238	244	449	619	863	977
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	CUPK	4	15	27	28	26	27	27	27	28	27	25	27	28	27	26	27	27	27	26	26	27	29	26	28
Total Co-Gen		4	15	27	28	26	27	27	27	28	27	25	27	28	27	26	27	27	27	26	26	27	29	26	28
Total Gen		14220	13768	13539	13195	12926	12763	12591	12524	12297	12262	12208	12249	12498	12722	12428	12373	12777	13766	14549	15023	15386	15737	16163	16355
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	31	31	30	30	31	31	31	31	30	31	31	30	30	31	31	31	31	31	31	30	31	
TIE-PLTG		16	35	30	70	89	46	33	48	7	25	32	25	34	73	53	6	4	-2	-15	29	11	-26	23	
Interconnection		46	65	60	100	119	75	64	79	38	56	62	56	65	104	83	36	34	29	16	59	41	5	53	
System Total		14174	13703	13479	13095	12807	12688	12527	12445	12259	12206	12146	12193	12433	12616	12345	12337	12743	13737	14533	14964	15345	15732	16110	
SRev ST-Coal		192	181	188	278	286	290	281	284	284	274	278	301	300	269	275	273	275	264	261	163	164	167	182	
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
SRev CCCT-Gas		819	852	928	1079	1326	1490	1572	1645	1867	1911	1961	1854	1619	1461	1744	1804	1396	686	439	139	215	109	173	
SRev ST-Gas		44	39	38	37	37	37	37	37	37	37	37	37	37	37	37	40	11	7	4	-1	-1	-1	-1	
SRev Co-Gen		26	15	3	2	4	3	3	3	2	3	5	3	2	3	4	3	4	3	1	4	2	3	4	
Syncon		1225	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1175	1175	1175	1124	1124	973	696	696	
Hydro		140	140	137	129	140	141	136	130	134	133	132	132	126	130	136	134	136	219	222	216	312	242	149	
S.Reserve Total		2446	2553	2620	2851	3119	3287	3355	3425	3650	3684	3739	3653	3410	3226	3522	3577	3173	2385	2138	1848	1911	1660	1465	