

Daily System Generation Summary on Sunday

Sunday, January 17, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,357 MW
Hydro	2,124 MW
Distillate	0 MW
Total TNB	8,561 MW
Total IPP	8,895 MW
Total Co-Gen	28 MW
Total System	17,484 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	65,252	22.14 %
Gas	47,289	16.05 %
Hydro	7,154	2.43 %
Total TNB	119,695	40.62 %
ST-Coal	86,958	29.51 %
ST-Gas	8,877	3.01 %
Gas	76,868	26.08 %
Total IPP	172,703	58.61 %
Co-Gen	627	0.21 %
Total Co-Gen	627	0.21 %
Total Generation	293,025	99.44 %
PLTG	-958	-0.33 %
HVDC	-706	-0.24 %
Interconnection	-1,664	-0.56 %
Net Energy	294,689	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:	21:30:00 Hour
Total Set On Bus	14,813 MW
TNB Generation	5,746 MW
IPP Generation	7,968 MW
Spinning Reserve	1,072 MW
Maximum Demand	13,860 MW
Net Energy	294,689 MWH
Load Factor	88.59 %

Fuel Cost

Total Cost:	39,929,911.45 RM
Cost per Unit	13.96 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	319
Hydro	148
Syncon	820
Thermal	168
Total	1,455

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	37

Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	52
NPRI	4
PAKA	119
PGPS	26
TJGS	107
Total TNB	358
KLPP	79
MPSS	56
PGLA	111
PLPS	86
SGB3	34
SGRI	184
SKSP	51
PKLG	90
Total IPP	690
Total Gas	1,049

Total Gas Required 1,049

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	13227	12731	12254	11802	11470	11192	11185	10977	10459	10915	11709	12210	12377	12356	12624	12627	12611	12470	12177	12443	13744	13819	13607	13394

Prepared By: Ibrahim bin Said

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(Gurcharan Singh)
Printed on: Monday, January 18, 2016 8:02:37 AM
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 Gen		13121	12805	12657	12374	12183	11943	11696	11432	11347	11105	11080	11094	11121	11282	11093	10682	10548	10713	10965	11169	11514	11947	12239	12401	12409	12303	12262	12374	12484	12577	12519	12488	12525	12563	12430	12075	12082	11973	12432	13467	13623	13789	13790	13741	13587	13459	13273	12991			
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	0	0	0	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	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-29	-32	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-29		
TIE-PLTG		-77	-37	-45	-40	-42	-41	-77	-142	-94	-115	-84	-48	-34	8	146	83	119	-109	79	-139	-166	-29	59	-20	60	-42	-64	-32	-110	-71	-79	-49	-47	-65	-12	-88	-62	-38	19	26	-91	3	1	-89	11	-5	-91	-157			
Interconnection		-106	-66	-74	-69	-71	-70	-106	-171	-123	-143	-112	-78	-64	-22	116	53	89	-138	50	-168	-195	-58	29	-48	32	-71	-94	-61	-140	-100	-108	-78	-76	-93	-40	-118	-95	-68	-11	-4	-121	-28	-29	-119	-20	-35	-121	-187			
System Total		13227	12871	12731	12443	12254	12013	11802	11603	11470	11248	11192	11172	11185	11304	10977	10629	10489	10851	10915	11337	11709	12005	12210	12449	12377	12374	12356	12435	12624	12677	12637	12566	12611	12656	12470	12193	12177	12041	12443	13471	13744	13817	13819	13860	13607	13494	13394	13178			
SRev ST-Coal		217	171	174	175	177	194	386	151	72	84	84	81	77	79	84	68	186	143	152	162	144	155	145	142	140	136	136	129	148	129	147	108	102	128	129	139	136	138	122	131	144	126	123	138	142	146	165	115			
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	0	0	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		420	165	228	512	700	913	970	1109	1133	1184	1207	1197	1157	1009	1179	1639	1676	1454	1291	1040	639	537	366	387	408	459	498	387	366	323	341	409	415	448	585	1008	1033	1296	1132	290	127	124	125	163	213	92	250	168			
SRev ST-Gas		74	74	74	74	75	74	74	75	74	74	74	75	75	75	74	74	74	74	74	75	75	74	75	81	81	74	74	75	81	3	4	4	4	54	54	55	55	52	55	-2	5	-1	-1	-2	-2	-2	-2	-2	-2		
SRev Co-Gen		4	6	5	4	4	6	6	4	4	3	4	4	4	5	3	3	3	4	3	4	11	4	-2	-1	-1	-1	-1	-2	-1	-2	-1	-1	0	-1	-3	0	-3	-1	0	-2	-1	-1	1	1	4	6	5				
Syncon		802	802	953	953	953	953	953	651	802	802	802	953	953	953	802	953	953	953	953	953	953	802	802	802	802	953	953	953	802	953	953	953	953	953	953	953	953	802	953	953	852	852	575	575	575	676	953	953	953		
Hydro		251	199	131	128	130	140	137	138	240	270	270	271	135	121	136	256	142	99	129	100	103	133	127	186	241	101	101	104	106	236	107	110	111	141	147	142	260	109	106	96	132	162	163	197	196	162	170	169			
S.Reserve Total		1768	1417	1565	1846	2039	2280	2826	2430	2174	2417	2441	2430	2401	2242	2430	2842	3034	2727	2602	2334	1925	1705	1513	1597	1671	1722	1761	1647	1652	1492	1850	1583	1584	1724	1867	2294	2286	2545	2367	1367	1258	985	984	1072	1226	1355	1542	1408			