

Daily System Generation Summary on Saturday

Saturday, May 28, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,258 MW
Hydro	1,758 MW
Distillate	0 MW
Total TNB	5,016 MW
Total IPP	11,689 MW
Total Co-Gen	0 MW
Total System	16,705 MW

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:	20:00:00 Hour
Total Set On Bus	15,946 MW
TNB Generation	4,428 MW
IPP Generation	10,462 MW
Spinning Reserve	1,043 MW
Maximum Demand	14,948 MW
Net Energy	326,104 MWH
Load Factor	90.90 %

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	54
PAKA	164
PGGS	2
PGPS	39
SRDG	28
TJGS	162
Total TNB	495

Alternate Fuel Usage

Station	(mmscfd)
PKLG	90
Total	90

Generation Mix

Type	MWh	Percentage
Gas	62,190	19.07 %
Hydro	16,696	5.12 %
Total TNB	78,886	24.19 %
ST-Coal	161,426	49.50 %
ST-Oil	8,899	2.73 %
Gas	75,814	23.25 %
Total IPP	246,139	75.48 %
Co-Gen	372	0.11 %
Total Co-Gen	372	0.11 %
Total Generation	325,397	99.78 %
PLTG	120	0.04 %
HVDC	-827	-0.25 %
Interconnection	-707	-0.22 %
Net Energy	326,104	100.00 %

Fuel Cost

Total Cost:	44,081,922.10 RM
Cost per Unit	14.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	529
Hydro	371
Syncon	211
Thermal	145
Total	1,256

CBPS	38
KLPP	76
MPSS	60
PDPS	3
PGLA	107
PKLG	17
PLPS	93
PTEK	10
SGB3	75
SGRI	74
SKSP	51
Total IPP	605
Total Gas	1,100
Total Gas Required	1,190

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	14322	13692	13088	12727	12382	12105	12000	11844	11673	12709	13631	14234	14135	13829	14194	14401	14423	14174	13804	13812	14948	14843	14571	14335

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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	
MINOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY02	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	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	34	36	32	37	29	35	36	28	28	33	30	37	38	41	36	29	76	77	34	36	38	40	61	60	54
TMGR	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	0
TMGR	HY03	-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	-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	HY02	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		429	310	235	148	154	166	168	150	150	186	155	168	167	171	163	170	901	865	369	417	516	652	786	835	
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	4	7	5	5	7	6	5	4	3	4	3	4	4	2	2	1	1	0	0	0	0	0	0	0	
PCUF	CUFK	13	14	14	14	14	14	14	15	14	13	13	14	13	14	14	14	13	13	14	12	14	14	14	14	
Total Co-Gen		17	21	19	19	21	20	19	19	17	16	18	17	16	18	16	17	13	15	14	13	13	14	12	14	
Total Gen		14345	14010	13643	13482	13107	12850	12712	12551	12359	12215	12112	11971	11982	12009	11861	11536	11441	12184	12668	13104	13547	13898	14141	14248	
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		-28	-29	-29	-29	-29	-29	-29	-30	-30	-30	-27	-31	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-29	
TIE-PLTG		51	13	-20	36	48	64	15	40	6	19	38	6	15	6	48	37	53	0	-12	-52	-55	22	-64	-21	
Interconnection		23	-16	-49	7	19	35	-15	11	-23	-11	7	-25	-18	-22	17	9	-232	-30	-41	-81	-84	-7	-93		
System Total		14322	14026	13692	13475	13088	12815	12727	12540	12382	12226	12105	11996	12000	12031	11844	11527	11673	12214	12709	13185	13631	13905	14234	14298	
SRev ST-Coal		139	127	172	174	230	217	224	210	203	208	226	208	220	271	184	217	217	113	126	146	303	134	126	125	
SRev ST-Oil		74	71	72	73	73	72	73	73	72	72	72	72	38	38	38	40	44	3	-3	-2	-3	34	34	34	
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		887	731	717	710	692	968	935	1012	1197	1377	1429	1601	1576	1500	1662	2032	1973	1615	1074	664	414	331	244	287	
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 Co-Gen		10	6	8	8	6	7	8	8	10	10	11	9	10	11	9	8	11	9	9	11	10	14	12	13	
Syncon		598	699	548	800	800	800	800	800	674	523	674	674	674	674	674	0	0	302	302	302	302	302	302	302	
Hydro		70	49	275	110	142	130	128	146	147	262	129	130	126	134	167	72	258	452	404	467	481	371	361	490	
S.Reserve Total		1778	1683	1792	1875	1943	2194	2168	2249	2303	2452	2564	2693	2682	2654	2701	3136	2311	2035	2007	1530	1293	1290	1082	1179	