

Daily System Generation Summary on Saturday

Saturday, January 06, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,636 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	4,993 MW
Total IPP	13,919 MW
Total Co-Gen	57 MW
Total System	19,533 MW

Generation Mix

Type	MWh	Percentage
Gas	33,337	10.49 %
Hydro	22,072	6.94 %
Total TNB	55,409	17.43 %
ST-Coal	169,013	53.18 %
Gas	93,284	29.35 %
Total IPP	262,297	82.53 %
Co-Gen	347	0.11 %
Total Co-Gen	347	0.11 %
Total Generation	318,053	100.07 %
PLTG	-513	-0.16 %
HVDC	730	0.23 %
Interconnection	217	0.07 %
Net Energy	317,836	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 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	16,089 MW
TNB Generation	3,321 MW
IPP Generation	11,623 MW
Spinning Reserve	1,132 MW
Maximum Demand	14,925 MW
Net Energy	317,836 MWH
Load Factor	88.73 %

Fuel Cost

Total Cost:	55,195,869.56 RM
Cost per Unit	18.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	439
Hydro	330
Syncon	578
Thermal	154
Total	1,501

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	205
Total TNB	237
CBPS	50
KLPP	90
NPRI	151
PGLA	109
PLPS	81
PTEK	14
SGRI	49
SKSP	4
YPKA	76
Total IPP	624
Total Gas	861

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 861

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	13026	12550	12032	11664	11486	11370	11461	11541	11433	12743	13456	14220	14162	13904	14195	14190	14362	14036	13648	13932	14925	14850	14404	13878

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 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																										
PCUF	CUFK	39	9	4	5	5	6	5	5	3	5	5	3	5	6	8	6	6	7	5	3	5	4	5	5	5	4	5	6	6	5	4	3	4	6	5	6	7	6	5	6	6	7	7	5	6	3				
Total Co-Gen		47	18	12	13	12	15	13	14	11	13	13	10	14	15	17	15	14	15	13	12	13	12	14	16	13	14	14	12	13	16	14	13	12	11	12	15	14	14	16	14	13	15	15	17	16	15	15	11		
Total Gen		13047	12792	12578	12273	12069	11947	11649	11576	11491	11441	11397	11327	11456	11545	11521	11252	11412	12106	12697	13106	13466	13962	14248	14260	14213	13883	13901	14038	14196	14371	14222	14285	14385	14243	14102	13773	13718	13593	13972	14855	14957	14855	14822	14626	14419	14255	13871	13719		
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		
TIE-HVDC		30	30	30	30	31	31	31	31	31	29	29	31	31	31	31	31	31	30	30	29	29	30	30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	30	31	31	30	30	31	31	31	31	30
TIE-PLTG		-9	-36	-3	-24	6	-53	-47	-12	-26	-45	-3	16	-36	-30	-51	-73	-52	-68	-77	-19	-19	1	-2	0	21	-49	-33	-36	-29	-52	1	-12	-8	11	36	-15	40	3	9	-39	2	-5	-58	-39	-15	-43	-37	-20		
Interconnection		21	-6	28	7	37	-22	-15	20	5	-14	27	45	-5	1	-20	-42	-21	-37	-46	11	10	31	28	30	51	-20	-3	-6	1	-22	32	19	23	43	66	15	70	33	40	-8	32	26	-28	-9	15	-12	-7	10		
System Total		13026	12798	12550	12266	12032	11969	11664	11556	11486	11455	11370	11282	11461	11544	11541	11294	11433	12143	12743	13095	13456	13931	14220	14230	14162	13903	13904	14044	14195	14393	14190	14266	14362	14200	14036	13758	13648	13560	13932	14863	14925	14829	14850	14635	14404	14267	13878	13709		
SRev ST-Coal		77	270	268	276	278	273	272	327	318	327	349	337	319	275	276	284	281	269	265	282	247	253	132	177	145	148	153	136	165	151	153	154	143	131	156	-5	74	127	58	109	106	71	62	72	66	71	77	93		
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		1039	1042	1044	1263	1439	1361	1646	1662	1674	1535	1412	1491	1231	1045	1100	1344	1186	720	484	281	255	949	689	537	537	379	338	321	302	366	449	381	304	292	432	385	506	408	511	253	353	438	476	498	418	442	573	257		
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	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 Co-Gen		10	39	45	44	45	42	44	43	46	44	44	47	43	42	40	42	43	42	44	45	44	45	43	41	44	43	43	43	45	44	41	43	44	45	46	45	42	43	43	41	43	44	42	42	40	41	42	42	46	
Syncon		711	711	862	1164	1164	1164	1164	1164	1164	1164	1164	1351	1351	1351	1351	1351	1351	1250	948	610	313	626	626	626	626	626	626	626	626	439	439	439	0	0	525	525	525	525	374	374	374	374	500	500	500	626	540			
Hydro		414	484	506	280	294	226	236	221	221	186	240	212	122	139	112	120	130	129	91	168	207	281	262	433	509	495	513	408	391	319	382	385	372	562	722	537	531	677	592	307	256	262	249	255	363	398	347	442		
S.Reserve Total		2251	2546	2725	3027	3220	3066	3362	3442	3448	3256	3209	3251	3066	2852	2879	3141	2991	2511	2134	1724	1363	1841	1752	1814	1861	1691	1673	1536	1528	1503	1466	1403	1303	1031	1355	1484	1679	1780	1726	1111	1132	1184	1212	1408	1384	1448	1682	1378		