

Daily System Generation Summary on Monday

Monday, February 26, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,302 MW
Distillate	0 MW
Total TNB	5,104 MW
Total IPP	15,571 MW
Total Co-Gen	0 MW
Total System	21,247 MW

Generation Mix

Type	MWh	Percentage
Gas	44,407	12.68 %
Hydro	15,506	4.43 %
Total TNB	59,913	17.10 %
ST-Coal	183,800	52.47 %
Gas	104,958	29.96 %
Total IPP	288,758	82.43 %
Co-Gen	1,323	0.38 %
Total Co-Gen	1,323	0.38 %
Total Generation	349,994	99.91 %
PLTG	-81	-0.02 %
HVDC	-218	-0.06 %
Interconnection	-299	-0.09 %
Net Energy	350,293	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:	16:30:00 Hour
Total Set On Bus	18,376 MW
TNB Generation	3,266 MW
IPP Generation	13,460 MW
Spinning Reserve	1,596 MW
Maximum Demand	16,754 MW
Net Energy	350,293 MWH
Load Factor	87.12 %

Fuel Cost

Total Cost:	62,526,508.59 RM
Cost per Unit	18.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	268
Hydro	553
Syncon	460
Thermal	158
Total	1,439

Time	Weather	Temperature
Afternoon	Rainy	31
Morning	Sunny	28

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	13840	13151	12654	12105	11891	11789	12021	12153	12650	14473	15443	16181	16080	15757	16368	16619	16718	16475	15239	14922	16235	16107	15775	15194

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	40
SRDG	19
TJGS	216
Total TNB	328
CBPS	55
KLPP	97
MPSS	9
NPRI	159
PGLA	106
PTEK	17
SGB3	29
SGRI	82
SKSP	53
YPKA	85
Total IPP	693

Total Gas 1,021

Total Gas Required 1,021

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Prepared By: Nur Atiqah Mohd Roszeli

Checked By: Kannathason a/l Karupiah

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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																										
Total Hydro		225	203	228	225	204	203	199	203	203	204	203	226	204	205	206	204	202	227	305	597	796	1189	1665	1595	1500	1265	1130	1355	1331	1407	1199	1126	1073	1078	970	423	271	185	187	626	1139	1035	1065	845	649	439	261	266		
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	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
PCUF	CUFG	28	24	25	24	25	26	24	24	23	26	24	24	25	25	24	25	26	24	25	25	24	24	25	24	25	25	24	24	24	24	25	25	24	24	24	25	25	24	26	24	24	24	24	24	26	25	24			
PCUF	CUFK	30	30	30	30	32	31	31	32	30	31	31	30	32	30	30	31	31	30	30	29	31	31	30	31	31	29	30	31	31	30	30	31	30	29	31	31	30	30	31	30	29	31	31	30	30	31	31	30		
Total Co-Gen		58	54	55	54	57	57	55	56	53	57	55	54	57	55	54	56	56	58	54	56	55	54	55	56	54	55	53	55	56	54	56	56	54	54	55	55	55	55	55	56	53	55	55	54	54	57	56	54		
Total Gen		13799	13412	13111	12773	12590	12321	12080	12060	11905	11785	11727	11748	11983	12288	12190	12230	12649	13656	14440	14961	15363	15786	16148	16214	16077	15865	15751	15907	16347	16659	16619	16663	16715	16780	16511	15923	15299	14887	14919	15659	16239	16265	16134	16011	15773	15483	15169	14681		
TIE-BGAT		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		-30	-30	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	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-PLTG		-12	13	-11	2	-35	-6	4	26	42	-12	-32	21	-9	19	65	24	-1	9	-33	-127	-80	-7	-33	-52	-3	24	-6	-28	-21	-23	0	-7	-3	26	36	-15	60	19	-3	-2	4	19	27	-30	-2	0	-25	12		
Interconnection		-41	-16	-40	-27	-64	-35	-25	-3	14	-41	-62	-9	-38	-9	37	24	-1	9	-33	-127	-80	-7	-33	-52	-3	24	-6	-28	-21	-23	0	-7	-3	26	36	-15	60	19	-3	-2	4	19	27	-30	-2	0	-25	12		
System Total		13840	13428	13151	12800	12654	12356	12105	12063	11891	11826	11789	11757	12021	12297	12153	12206	12650	13647	14473	15088	15443	15793	16181	16266	16080	15841	15757	15935	16368	16682	16619	16670	16718	16754	16475	15938	15239	14868	14922	15661	16235	16246	16107	16041	15775	15483	15194	14869		
SRev ST-Coal		256	239	282	287	332	240	371	374	379	371	381	365	388	378	374	366	319	263	387	164	222	141	139	148	149	191	132	148	105	117	57	109	54	66	48	65	198	345	345	318	225	227	209	217	224	205	141	210		
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		668	582	520	847	649	879	1184	1114	1199	1476	1521	1536	1260	962	1064	984	615	583	146	194	128	178	235	189	287	204	221	207	224	214	204	402	361	291	470	440	564	560	530	287	310	180	359	253	288	390	439	524		
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		-1	3	2	3	0	0	2	1	4	0	2	3	0	2	3	1	1	-1	3	1	2	3	2	1	3	2	4	2	1	3	1	1	3	3	2	2	2	2	2	1	4	2	2	3	3	0	1	3		
Symcon		825	976	825	976	976	976	976	1165	1163	1163	1012	1163	1163	1163	1163	1163	1012	1165	861	760	615	151	151	489	489	489	151	151	428	428	513	513	599	912	912	1164	1164	574	297	338	338	423	711	711	711	711	711			
Hydro		259	130	256	259	129	130	134	130	129	128	129	257	128	127	126	128	130	256	127	287	313	348	486	556	651	548	683	458	820	744	675	748	716	711	633	359	311	145	143	394	508	571	541	601	484	594	522	517		
S.Reserve Total		1987	1930	1885	2221	2086	2225	2667	2595	2874	3138	3196	3173	2939	2632	2730	2642	2228	2113	1826	1507	1425	1285	1103	1050	1253	1478	1609	1453	1313	1240	1378	1702	1661	1596	1765	1925	2269	2216	2184	1574	1344	1318	1449	1497	1710	1900	1814	1965		