

Daily System Generation Summary on Sunday

Sunday, May 31, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	16,931 MW
Total Co-Gen	0 MW
Total System	22,276 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,399	2.74 %
Gas	25,347	8.28 %
Total TNB	33,746	11.03 %
ST-Coal	205,400	67.11 %
LSS	2,230	0.73 %
Gas	65,229	21.31 %
Total IPP	272,859	89.15 %
Co-Gen	172	0.06 %
Total Co-Gen	172	0.06 %
Total Generation	306,777	100.23 %
PLTG	-10	0.00 %
HVDC	724	0.24 %
Interconnection	714	0.23 %
Net Energy	306,063	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,120 MW
TNB Generation	2,306 MW
IPP Generation	11,973 MW
Spinning Reserve	1,835 MW
Maximum Demand	14,303 MW
Net Energy	306,063 MWH
Load Factor	89.16 %

Fuel Cost

Total Cost:	47,413,188.66 RM
Cost per Unit	15.45 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	376
Hydro	291
Syncon	1,214
Thermal	329
Total	2,210

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	153
Total TNB	181
CBPS	49
KLPP	46
NPRI	152
PGLA	48
PLPS	36
SKSP	2
YPKA	26
Total IPP	358
Total Gas	539
Total Gas Required	539

Alternate Fuel Usage

Station	(mmcsfd)
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	13855	13301	12823	12411	11962	11780	11678	11266	10775	11347	11999	12541	12724	12882	13195	13309	13087	12863	12674	13073	14303	14198	13992	13969

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 1:34:43 PM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

		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																									
JMAH	U001		693	693	692	692	689	693	693	693	693	692	692	694	692	694	692	691	692	694	694	693	692	693	691	692	693	694	694	692	693	692	691	692	694																
JMAH	U002		698	695	689	696	695	693	698	694	692	697	693	695	694	697	689	601	605	600	696	692	693	694	691	695	696	694	692	695	695	699	692	694	694	695	694	696	693	687	698	693	693	689	694	694					
JMHE	U002		949	901	900	893	784	780	781	779	779	779	780	781	780	780	784	781	779	779	781	777	779	782	781	776	779	789	781	851	849	850	849	850	849	850	846	851	849	849	891	889	889	888	890	891	884	889	890		
JMJG	U001		649	640	643	642	634	643	640	639	641	645	645	640	643	641	642	640	637	640	643	640	645	643	640	642	641	636	641	636	642	637	638	634	642	642	637	644	637	640	640	637	643	643	635						
JMJG	U002		673	672	669	675	676	670	675	673	676	675	673	673	673	668	671	673	678	669	673	675	672	672	681	671	674	673	676	673	676	673	673	671	676	672	672	673	671	674	671	662	676	675	678						
JMJG	U003		668	668	668	667	666	666	668	668	668	667	669	667	667	666	666	667	662	669	662	665	670	666	664	666	668	662	666	669	670	662	671	664	667	666	668	667	669	668	667	671	667	662	669	670	666	668	670	671	
JMJG	U004		904	906	906	905	816	783	785	785	783	783	783	783	782	783	783	785	785	785	782	785	785	783	783	782	782	782	826	855	853	855	855	856	855	854	854	855	855	855	895	895	894	895	895	896	895	896	895	896	895
PKLG	U003		281	280	280	283	281	282	280	283	280	283	219	212	250	253	242	157	148	151	151	210	279	283	282	208	216	204	202	206	227	233	281	281	284	283	282	282	283	281	284	283	281	283	281	283	281	283	282	287	
PKLG	U004		263	261	264	262	261	259	260	257	259	262	211	202	253	254	244	147	144	145	147	205	257	263	261	260	260	259	259	263	264	261	263	263	263	261	262	260	260	254	261	262	263	261	260	258	257	264	263	260	
PKLG	U005		467	466	466	467	465	466	466	467	468	466	391	359	358	357	333	259	270	269	270	350	409	466	466	468	468	467	467	466	467	467	467	466	468	468	450	468	468	466	467	466	466	466	468	466	468	466	468		
PKLG	U006		450	449	446	449	445	442	451	450	448	450	447	449	450	445	447	447	445	446	447	450	448	446	446	446	449	448	448	452	446	446	449	449	449	449	449	446	451	447	448	449	449	448	449	448	446	446			
TBIN	U001		595	597	599	600	599	601	600	600	599	597	596	599	599	616	690	687	691	689	690	691	687	690	690	690	688	685	690	689	689	689	687	691	688	689	689	686	689	690	688	689	688	690	690	687	689	689	687	688	
TBIN	U002		605	603	602	603	604	605	604	602	602	603	603	603	603	604	602	602	603	601	603	603	602	693	689	691	693	693	694	690	690	692	689	691	690	692	691	694	695	692	691	692	693	692	691	691	692	690	690	691	
TBIN	U003		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	
TBIN	U004		952	904	902	900	809	782	782	783	784	783	782	781	783	781	784	784	781	781	781	782	783	782	782	782	783	782	783	830	852	854	853	853	852	854	855	852	853	852	854	893	893	894	892	893	893	893	894	893	
Total ST-Coal			8847	8735	8728	8734	8424	8365	8383	8375	8369	8384	8182	8136	8226	8248	8283	7882	7833	7832	7988	8135	8338	8510	8539	8469	8492	8474	8480	8650	8707	8715	8759	8767	8764	8770	8755	8761	8773	8753	8768	8871	8886	8875	8888	8879	8865	8959	9095	9158	
Total 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total 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	
CBPS	BLK2		354	361	354	346	361	354	354	352	274	223	222	223	223	222	215	222	224	224	229	222	225	229	317	362	363	363	362	362	363	362	362	360	364	364	364	302	302	303	354	361	361	361	361	362	362	361	361	362	
GLGR	GT02		96	95	109	96	107	109	96	96	95	95	95	96	96	95	96	95	96	95	96	95	96	95	95	95	96	96	96	96	95	96	95	95	96	96	95	95	95	95	95	96	95	96	95	96	95	95	96		
GLGR	ST1C		39	39	45	41	41	45	40	39	39	38	37	38	39	38	38	38	38	38	39	38	38	38	39	38	38	39	38	39	38	39	38	38	38	38	39	39	38	39	39	38	39	38	39	38	38	38	39		
KLPP	GT13		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	29	129	135	135	137	137	137	143	142	112			
KLPP	GT15		153	152	153	153	155	155	129	129	128	128	129	128	128	129	133	133	129	130	134	151	150	154	153	149	153	153	150	150	130	129	129	130	135	134	158	157	157	157	157	157	158	162	163	159					
KLPP	ST17		59	59	58	58	58	51	55	53	53	53	53	54	54	55	55	56	51	51	51	56	56	59	59	59	61	55	58	58	57	57	59	55	54	54	55	55	131	135	135	135	135	135	135	135	138	131			
NPRI	BLK1		500	508	497	490	509	502	499	506	507	496	527	522	431	328	346	322	325	433	451	529	451	524	528	469	508	509	524	512	518	531	526	513	529	529	490	488	495	501	476	488	500	493	488	502	495	520	530	521	
NPRI	BLK2		502	510	499	491	511	505	500	509	508	511	512	511	512	492	346	323	324	431	472	528	468	525	525	466	494	516	521	518	517	524	526	514	527	526	490	485	497	500	476	489	499	493	487	505	496	520	532	531	
PCGP	PGRG		590	599	584	576	603	593	586	599	598	602	601	604	602	601	388	391	392	388	381	409	602	607	616	598	603	602	606	603	602	602	600	602	603	600	601	602	603	603	594	602	604	600	600	602	604	600	603	603	
PGLA	GT11		217	219	214	212	218	216	214	150	150	151	151	150	150	149	150	146	148	149	150	150	151	153	218	214	215	215	215	215	215	216	215	149	149	151	151	151	215	215	218	218	218	218	0	0	0				
PGLA	ST10		112	111	110	109	110	110	110	139	86	87	87	88	88	88	88	86	86	88	88	88	88	89	105	112	112	112	113	113	113	112	112	91	89	89	89	89	112	113	113	114	112	113	113	0	0	0			
PLPS	GT13		139	142	138	135	141	139	139	125	125	125	124	124	125	125	124	124	124	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	124	125	129	129	129		
PLPS	ST18		59	59	60	59	60	60	59	58	58	58	58	58	58	58	58	58	58	58	59	59	58	58	59	59	59	59	59	59	58	59	58	59	58	59	58	58	59	58	59	59	59	59	59	58	59	59			
SKSP	BLK1		218	228	66	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			
TJGS	GT1A		197	225	193	179	229	197	195	154	132	124	138	138	129	125	128	129	125	12																															

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
HTRG	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

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																									
System Total		13855	13622	13301	13070	12823	12569	12411	12146	11962	11893	11780	11748	11678	11568	11266	10810	10775	11068	11347	11736	11999	12387	12541	12746	12724	12768	12882	13037	13195	13262	13309	13131	13087	13050	12863	12762	12674	12684	13073	13860	14303	14255	14198	14097	13992	14053	13969	13722	
SRev ST-Coal		134	246	253	240	350	354	336	341	348	331	447	443	426	399	434	560	578	582	483	456	403	396	378	360	421	367	356	328	311	370	325	317	318	313	327	323	310	329	314	294	278	289	273	286	300	297	279	306	
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			
SRev CCGT-Gas		442	339	620	468	443	276	421	705	853	941	878	882	995	1126	1469	1524	1513	1300	1244	1020	1030	835	755	474	477	457	396	475	296	289	266	440	434	446	583	616	720	799	701	267	243	261	275	232	257	248	285	403	
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			
SRev LSS		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		0	6	6	1	2	2	2	2	3	4	3	0	4	4	4	2	4	3	3	3	0	3	12	12	17	14	13	10	16	13	13	12	12	14	13	13	10	14	11	13	14	15	14	16	14	17	14	13	
Syncon		1103	1355	1355	1305	1456	1305	1305	1305	1456	1305	1456	1305	1154	1305	1305	1456	1305	1305	1456	1305	1456	1305	1118	1154	1456	1305	1305	1355	1355	1355	1305	1456	1456	1305	1456	1305	1456	1305	1305	1254	1067	1067	829	829	980	1254	427	801	865
Hydro		243	181	191	283	127	275	278	277	272	142	255	120	274	406	271	282	147	273	270	147	280	148	274	372	387	140	239	320	225	215	235	339	206	208	340	209	354	342	263	348	238	425	501	358	190	475	373	403	
S.Reserve Total		1922	2127	2425	2297	2378	2212	2342	2630	2781	2874	2888	2901	3004	3089	3483	3673	3698	3463	3305	3082	3018	2838	2724	2336	2456	2434	2309	2438	2203	2242	2194	2413	2426	2437	2568	2617	2699	2789	2543	1989	1840	1819	1892	1872	2015	1464	1752	2015	