

Daily System Generation Summary on Sunday

Sunday, May 17, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,445 MW
Distillate	0 MW
Total TNB	2,445 MW
Total IPP	16,560 MW
Total Co-Gen	0 MW
Total System	21,828 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,751	3.47 %
Gas	33,863	10.94 %
Total TNB	44,614	14.41 %
ST-Coal	202,686	65.46 %
LSS	1,634	0.53 %
Gas	60,296	19.47 %
Total IPP	264,616	85.46 %
Co-Gen	199	0.06 %
Total Co-Gen	199	0.06 %
Total Generation	309,429	99.93 %
PLTG	483	0.16 %
HVDC	-688	-0.22 %
Interconnection	-205	-0.07 %
Net Energy	309,634	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:	00:00:00 Hour
Total Set On Bus	16,576 MW
TNB Generation	2,146 MW
IPP Generation	12,217 MW
Spinning Reserve	2,206 MW
Maximum Demand	14,350 MW
Net Energy	309,634 MWH
Load Factor	89.91 %

Fuel Cost

Total Cost:	47,967,121.93 RM
Cost per Unit	15.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	534
Hydro	367
Syncon	971
Thermal	360
Total	2,232

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	43
TJGS	197
Total TNB	241
CBPS	53
KLPP	41
NPRI	74
PGLA	106
PLPS	35
SKSP	2
YPKA	21
Total IPP	332
Total Gas	572
Total Gas Required	572

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	14350	13750	13187	12726	12429	12396	12165	11597	11057	11463	12083	12423	12543	12623	12950	13164	13131	12984	13041	13375	14016	14254	14102	13938

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 05, 2020 11:31:53 AM

(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	U002		694	697	694	694	695	698	691	697	692	695	694	692	691	695	650	599	554	611	696	678	691	694	695	698	694	694	695	697	694	689	694	694	699	693	695	688	692	692	694	695	694	694	693	695						
JMHE	U001		551	550	550	551	551	549	551	548	547	551	550	550	549	550	548	548	550	550	552	548	551	551	551	662	751	751	748	750	787	779	781	782	779	778	781	779	778	780	778	781	781	778	782	778	777	779	782	780		
JMHE	U002		948	952	906	779	783	780	779	779	777	779	782	778	780	781	780	777	779	777	783	780	779	780	780	778	778	781	780	779	829	830	829	832	828	830	830	831	829	831	829	829	881	879	881	877	878	881	881	879		
JMJG	U001		668	666	667	671	671	673	668	669	674	669	668	672	669	676	674	672	673	673	671	672	672	673	669	674	673	674	670	671	676	668	673	678	673	672	672	670	667	671	667	667	670	671	667	667	669	668	669			
JMJG	U002		675	678	669	677	677	677	678	677	677	677	678	674	679	677	673	676	679	681	673	673	677	678	677	679	681	676	678	672	679	675	677	679	675	677	678	672	679	668	673	673	671	672	675	674	673	674				
JMJG	U003		671	667	667	676	666	668	670	668	665	667	668	667	671	668	660	674	668	666	668	668	660	666	662	662	662	665	666	663	668	666	666	666	662	663	667	664	667	667	662	669	666	664	660	661	668	665	660	668	665	663
JMJG	U004		899	899	895	808	782	782	783	782	781	782	782	782	785	783	782	782	782	783	782	782	783	785	785	782	782	783	782	782	829	833	831	831	831	832	831	830	831	832	830	833	831	863	879	881	878	877	881	880	881	
PKLG	U003		281	282	283	283	283	283	281	283	280	282	282	283	206	149	147	148	148	148	146	269	285	283	286	282	280	280	280	280	281	281	283	283	279	279	282	281	280	281	281	281	282	283	281	281	283	281	282	280		
PKLG	U004		279	280	281	280	280	280	287	282	279	280	282	281	201	156	148	151	151	152	150	259	279	279	281	278	280	279	280	277	282	276	281	282	281	282	281	280	281	281	281	276	280	280	281	279	280	280	278			
PKLG	U005		469	466	466	468	467	468	466	468	466	468	466	470	469	381	299	265	269	269	268	330	390	474	466	465	467	466	465	465	465	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469		
TBIN	U001		689	658	692	689	689	694	689	691	690	689	689	689	690	690	651	601	550	636	691	690	689	689	689	691	689	691	689	690	690	690	689	691	690	689	691	692	689	691	690	691	692	687	691	690	689	689	691			
TBIN	U002		694	697	695	691	693	693	689	693	696	692	691	691	699	691	651	603	548	642	694	691	692	691	693	694	695	693	693	692	693	694	692	695	693	694	693	694	693	695	694	695	694	692	696	695	694	705	695	694		
TBIN	U003		690	691	690	690	670	683	699	687	690	690	691	689	687	687	652	602	557	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	150	189	217	307	328	329	326	326	327		
TBIN	U004		952	952	952	852	778	779	779	780	779	779	775	782	785	783	783	782	782	783	782	784	783	782	784	782	781	784	783	781	832	833	834	831	834	832	833	832	833	832	833	832	873	885	884	883	883	885	882	883		
Total ST-Coal			9160	9135	9117	8809	8685	8707	8710	8704	8695	8699	8698	8704	8471	8281	8067	7887	7692	7365	7558	7827	7933	8023	8024	8118	8216	8214	8218	8199	8392	8396	8395	8399	8398	8393	8393	8395	8393	8388	8389	8531	8690	8745	8850	8861	8851	8878	8863	8861		
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	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		366	354	362	369	366	366	368	362	361	368	368	340	223	223	222	216	223	251	361	362	362	363	363	362	362	360	360	362	362	362	362	362	362	362	362	362	362	362	361	365	365	354	361	362	362	360				
GLGR	GT01		68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	85	68	68	68	68	68	68					
GLGR	GT02		68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	87	68	68	68	68	68	68					
GLGR	ST1C		70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70					
KLPP	GT13		138	140	140	140	139	135	124	124	123	123	120	124	124	124	123	124	120	123	125	124	124	124	124	124	124	124	124	123	123	129	136	136	134	136	140	141	141	141	141	140	138	141	140	140	141	140				
KLPP	GT15		158	157	157	157	153	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
KLPP	ST17		136	132	133	133	133	79	53	53	55	55	54	54	53	53	53	57	53	53	53	53	55	55	54	54	53	53	53	53	53	55	57	57	53	54	61	57	57	58	58	58	61	63	63	64	64	63	62			
NPRI	BLK2		513	505	521	519	515	518	517	511	507	522	517	495	475	524	517	318	326	452	346	353	445	510	515	513	508	511	510	511	511	509	514	511	514	511	512	511	520	513	512	512	515	514	514	502	506	511	516	513		
PCGP	PGRG		451	437	398	406	407	403	402	399	399	401	404	401	403	402	401	404	402	399	602	603	602	604	603	603	600	603	602	602	603	603	611	606	604	603	602	602	604	606	604	603	611	603	603	592	596	604	602	602		
PGLA	GT11		220	214	218	215	176	184	174	166	163	165	166	159	166	167	166	162	165	163	164	164	164	165	164	167	164	165	166	201	167	197	214	213	210	208	178	214	213	212	213	201	213	212	210	210	205	213	211	218		
PGLA	GT12		243	239	241	239	199	207	197	188	186	191	190	183	191	190	186	189	186	189	190	189	189	189	191	188	190	188	226	190	228	238	238	234	232	200	238	239	238	239	226	239	238	236	233	231	239	237	241			
PGLA	ST10		240	236	238	235	212	222	202	200	200	200	200	197	202	200	200	200	202	197	201	202	202	202	203	202	203	202	218	203	237	235	235	235	215	232	232	234	235	228	232	234	230	229	227	231	231	231	226			
PLPS	GT11		129	128	128	129	128	128	129	128	129	129	128	129	129	128	129	129	129	128	128	128	128	128	128	128	128	128	128	129	128	128	128	128	128	128	133	133	133	133	133	133	133	133	133	133	133	133	133			
PLPS	ST18		60	58	58	58	58	58	57	58	57	58	57	57	57	58	57	57	59	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	57	57	58	58	58	58	58	58	58	58	57				
SKSP	BLK1		222	217	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</														

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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	37	37	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	24	22	23	24	24	24	23	23	24	24	39	39	39	39	39	39	38	38	37	37	37	37	37	37
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36
KNYR	HY01	101	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	100	99	100
KNYR	HY02	99	56	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	99
KNYR	HY03	79	60	60	93	87	67	67	65	65	65	68	62	71	66	65	65	64	59	63	65	64	64	68	65
LPIA	HY01	18	22	24	9	10	10	10	8	7	7	7	7	7	7	7	7	7	7	7	8	14	14	14	14
LPIA	HY02	22	22	24	12	12	10	10	9	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	9
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	19	-1	-1	-1	19	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	21	-1	-1	-1	20
PGAU	HY02	-1	20	-1	-1	-1	19	-1	-1	-1	23	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	19	-1	-1	22
PGAU	HY03	20	21	22	23	23	23	23	23	23	23	18	23	23	23	22	23	23	23	23	22	23	23	23	23
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	30	29	-1	-1	-1	-1	-1	-1
SIHY	HY02	0	0	30	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	45	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	23	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	25	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	25	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	33	31	33	81	33	33	33	33	32	33	33	29	33	33	33	33	33	33	33	33	33	33	33	33
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
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	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
UPIA	HY01	6	6	6	6	6	6	6	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	5	5	4	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		552	291	251	329	295	223	203	195	210	192	219	194	213	226	238	215	217	304	277	301	289	353	478	468
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	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 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
PCUF	CUF	3	3	3	4	3	5	3	4	3	3	4	3	3	4	3	3	4	4	4	4	4	3	2	4
PCUF	CUF	4	7	5	7	5	7	4	4	4	4	6	5	5	4	4	4	5	5	6	5	4	6	6	5
Total Co-Gen		7	10	8	11	8	12	7	8	7	7	10	8	10	5	6	6	7	8	10	8	7	10	8	6
Total Gen		14370	13981	13759	13444	13170	12875	12727	12596	12473	12484	12393	12229	12174	12008	11606	11175	11038	10972	11460	11791	12068	12329	12437	12576
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

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																									
TIE-HVDC		-28	-28	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-30																						
TIE-PLTG		49	38	37	26	12	18	29	71	73	59	26	83	37	45	37	65	10	58	26	59	13	26	43	27	0	-27	21	54	43	19	42	41	29	38	5	13	29	22	52	-28	-53	-31	-61	-57	-57	-49	-37	-8	
Interconnection		20	9	9	-2	-17	-11	1	43	44	31	-3	54	9	17	9	36	-19	30	-3	31	-15	-3	14	-2	-28	-57	-7	25	13	-10	13	11	0	9	-23	-16	0	-7	23	-58	-82	-59	-89	-85	-85	-77	-66	-37	
System Total		14350	13972	13750	13446	13187	12886	12726	12553	12429	12453	12396	12175	12165	11991	11597	11139	11057	10942	11463	11760	12083	12332	12423	12578	12543	12654	12623	12840	12950	13134	13164	13182	13131	13080	12984	13034	13041	13140	13375	13567	14016	14282	14254	14195	14102	14054	13938	13765	
SRev ST-Coal		195	220	238	376	404	379	375	382	387	386	385	384	479	482	650	719	720	640	466	472	426	367	368	379	372	375	372	388	325	322	321	350	349	354	355	353	354	360	408	425	359	404	300	384	395	302	365	367	
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		
SRev CCGT-Gas		649	755	917	664	777	1026	999	1117	1245	1220	1123	1266	1109	1093	1294	1534	1513	1377	1083	1083	957	854	879	848	930	803	806	522	571	456	370	375	369	371	522	414	415	360	361	418	263	266	330	385	381	312	388	279	
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		
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	0		
SRev Co-Gen		11	8	10	7	10	6	11	10	11	11	8	10	8	13	12	12	11	10	8	10	11	8	9	10	10	12	7	10	9	8	8	8	8	10	11	8	10	12	10	12	6	9	9	9	11	10	12	10	9
Syncon		1102	1052	1304	1304	1153	1153	1304	1304	1153	1304	1153	1304	1304	1153	1153	1304	1304	1117	1304	1066	1248	1248	910	1061	1097	1248	1248	1248	1248	1097	1248	1097	1248	1217	915	1217	1217	1116	929	778	742	490	521	370	672	915	915	1102	
Hydro		249	435	263	205	390	402	271	279	415	282	406	257	238	376	364	229	227	327	237	365	235	271	484	353	398	263	269	258	265	390	259	390	262	274	531	265	216	256	310	437	359	404	472	632	418	299	315	230	
S.Reserve Total		2206	2470	2732	2556	2734	2966	2960	3092	3211	3203	3075	3221	3138	3117	3473	3798	3775	3471	3098	2996	2877	2748	2650	2651	2807	2701	2702	2426	2418	2273	2206	2220	2238	2227	2331	2259	2214	2102	2020	2064	1732	1573	1632	1782	1876	1840	1993	1987	