

Daily System Generation Summary on Sunday

Sunday, June 21, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,389 MW
Distillate	0 MW
Total TNB	2,389 MW
Total IPP	16,789 MW
Total Co-Gen	0 MW
Total System	22,001 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,531	4.39 %
Gas	36,225	11.75 %
Total TNB	49,756	16.14 %
ST-Coal	199,080	64.59 %
LSS	2,352	0.76 %
Gas	55,944	18.15 %
Total IPP	257,376	83.51 %
Co-Gen	365	0.12 %
Total Co-Gen	365	0.12 %
Total Generation	307,497	99.77 %
PLTG	-105	-0.03 %
HVDC	-599	-0.19 %
Interconnection	-704	-0.23 %
Net Energy	308,201	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:	20:30:00 Hour
Total Set On Bus	16,032 MW
TNB Generation	3,304 MW
IPP Generation	11,237 MW
Spinning Reserve	1,444 MW
Maximum Demand	14,607 MW
Net Energy	308,201 MWH
Load Factor	87.91 %

Fuel Cost

Total Cost:	48,280,760.53 RM
Cost per Unit	15.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	689
Hydro	428
Syncon	533
Thermal	278
Total	1,928

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	202
Total TNB	251
CBPS	54
KLPP	54
NPRI	77
PGLA	16
PLPS	82
SKSP	53
Total IPP	336
Total Gas	588
Total Gas Required	588

Alternate Fuel Usage

Station	(mmscfd)
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	13593	13070	12631	12272	12033	11867	11818	11592	10999	11629	12109	12657	12785	12739	13038	13199	13197	13133	12812	13060	14560	14512	14347	14203

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 2:14:22 PM

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

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																									
JMAH	U001	693	691	673	693	692	692	694	693	692	691	693	692	692	693	694	694	693	692	692	691	692	688	692	693	692	695	690	693	692	693	693																		
JMAH	U002	693	694	692	691	694	694	694	694	695	686	695	693	693	694	692	695	694	693	694	695	693	693	694	691	694	693	693	700	694	694	694																		
JMHE	U001	930	929	925	930	930	932	778	777	779	780	783	775	780	780	786	778	781	782	779	782	850	849	849	847	850	852	842	853	852	850	852	848	851	849	850	850	847	851	856	926	923	924	921	917	918	921	921	924	
JMJG	U001	672	672	674	672	673	673	672	678	671	674	672	668	671	666	672	672	671	672	675	672	673	672	670	673	676	670	672	672	678	670	674	672	672	676	668	669	672	673	669	673	672	672	671	670	676	670	673		
JMJG	U002	673	673	678	674	672	677	673	675	676	677	674	672	673	673	673	676	677	668	674	674	671	671	675	687	672	670	669	667	674	678	674	678	672	670	677	673	673	671	677	667	674	674	668	678	681	672	672	676	
JMJG	U003	665	666	663	666	665	663	662	666	662	666	664	664	666	663	669	664	662	663	666	665	665	666	666	666	664	663	663	667	668	664	662	663	666	662	666	666	664	664	596	590	595	571	574	577	587	679	677	678	
PKLG	U003	282	281	283	281	281	285	282	280	283	282	283	285	282	283	282	281	284	281	282	282	283	282	282	281	283	282	282	282	281	285	281	282	282	282	283	285	282	282	282	283	285	282	282	284	284	281	283	284	
PKLG	U004	289	279	280	287	282	279	278	278	279	292	284	280	280	282	278	281	280	281	281	279	279	277	277	279	281	281	287	282	280	280	280	280	280	280	279	280	277	280	276	279	280	284	281	275	282	281	278	279	280
PKLG	U005	468	467	466	464	464	467	466	464	468	466	464	467	468	477	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U006	447	447	447	445	445	446	447	449	447	451	448	446	449	447	452	448	447	452	450	449	446	449	447	445	449	449	449	449	451	449	446	445	449	449	451	447	447	451	444	451	448	449	449	447	448	447	447	449	
TBIN	U001	689	691	688	690	688	690	689	684	687	689	687	689	688	689	689	689	690	688	690	689	689	689	688	689	687	686	689	689	689	684	689	689	690	689	689	689	686	684	689	687	685	691	687	688	691	689	688		
TBIN	U002	692	692	694	691	692	692	690	693	695	691	695	691	692	692	694	690	691	692	693	691	692	692	691	686	691	693	691	692	693	692	693	694	694	691	691	692	691	691	691	692	693	691	691	694	690	691	692	692	
TBIN	U003	690	691	694	691	690	690	691	690	689	689	690	690	692	690	690	691	688	689	689	686	688	690	690	690	691	691	688	687	687	686	693	692	689	687	691	692	693	687	686	691	691	687	689	690	690	692	690	691	
TBIN	U004	918	829	782	782	782	782	782	780	783	781	782	781	782	783	785	783	783	782	780	782	823	853	853	853	851	854	852	853	852	854	854	854	851	854	853	853	853	852	860	922	922	922	923	923	922	922	922	923	
Total ST-Coal		8801	8702	8639	8657	8650	8662	8498	8501	8505	8524	8507	8496	8507	8511	8056	8037	8042	8038	8045	8045	8145	8178	8173	8176	8177	8194	8160	8182	8189	8190	8184	8182	8179	8170	8194	8175	8172	8168	8109	8246	8259	8224	8223	8233	8252	8336	8329	8345	
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			
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			
CBPS	BLK2	361	367	368	366	363	366	366	366	364	369	365	362	368	370	373	259	221	302	365	365	359	361	368	370	365	366	363	365	366	362	359	362	357	362	363	362	362	362	349	370	362	363	357	357	364	365	362	363	
GLGR	GT01	100	103	104	90	90	90	90	67	68	69	70	68	69	69	69	68	70	67	68	70	68	67	69	69	70	67	69	67	87	87	95	94	96	95	94	95	93	90	78	103	101	101	86	67	82	102	102	101	
GLGR	GT02	99	104	104	89	89	89	89	68	69	68	68	68	69	69	69	69	68	69	69	69	69	69	69	69	69	69	88	87	95	94	95	95	95	95	95	95	89	79	102	101	101	87	69	82	102	102	102		
GLGR	ST1C	83	88	89	80	79	79	70	70	70	71	71	70	70	71	70	70	70	70	70	70	70	70	69	69	70	69	69	75	78	81	82	82	82	82	82	82	71	88	88	88	82	70	73	88	88	87			
KLPP	GT13	137	136	136	136	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	134	134	134	136	137	133	117	136	136	136	136		
KLPP	GT14	157	157	157	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT15	156	160	159	160	160	153	153	128	128	132	133	133	134	134	135	132	132	131	131	131	132	133	133	134	131	132	131	131	151	151	151	151	151	151	134	134	132	136	140	156	156	156	156	129	137	156	156	158	
KLPP	ST17	197	200	200	194	133	85	56	52	51	51	56	53	51	54	51	51	51	50	50	51	51	51	51	52	52	50	50	51	56	56	56	55	55	53	51	53	51	131	127	131	131	129	129	121	129	131	131	129	
NPRI	BLK1	522	525	526	526	527	527	527	509	445	529	525	510	528	530	501	452	404	493	483	517	524	523	520	517	515	518	517	515	515	514	511	514	510	513	514	507	517	517	509	518	520	523	519	518	518	525	524	524	
PCGP	PGRG	351	352	401	402	401	403	404	402	399	352	361	354	358	359	340	301	302	302	303	300	303	345	354	402	403	372	334	334	330	303	303	300	302	303	253	251	253	253	251	313	383	384	382	381	384	352	353	352	
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	141	142	142	143	248	251	252	253	255	255	255	254	256	257	
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	106	108	111	111	111	111	111	111	112	112	111		
PLPS	GT11	116	127	128	128	129	128	129	129	129	129	129	129	128	129	128	129	126	126	142	145	135	135	130	131	130	127	130	135	135	134	135	137	137	137	137	137	135	137	133	141	137	136	132	133	133	137	136	133	
PLPS	GT12	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	140	140	133	134	135	131	133	139	138	138	138	142	141	141	141	137	142	137	145	141	141	136	137	136	142	141	137		
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	59	141	142	131	132	127	126	127	123	126	131	131	131	129	132	133	133	134	131	134	127	137	134	133	128	129	130	134	134	129
PLPS	ST18	161	59	60	60	59	5																																											

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	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	62	62	-1
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	22	22	21	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	23	23	23	
KNRG	HY03	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	22	22	22	21	
KNYR	HY01	97	99	91	63	64	66	74	62	62	65	96	87	101	89	91	64	64	64	67	63	63	65	69	66	64
KNYR	HY02	97	97	96	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	97	97	59	59	58	-1	
KNYR	HY03	98	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	61	60	60	58	61	59	
KNYR	HY04	99	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	59	59	100	100	100	99	99	
LPIA	HY01	17	17	17	17	17	17	16	16	16	16	16	16	17	17	17	17	15	14	14	14	14	15	15	15	
LPIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	15	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	110	150	149	
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	111	144	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	19	147	146	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	21	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	51	51	51	51	51	51	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	30	50	50	
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	-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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	34	34	32	
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	32	33	33	33	33	33	33	32	33	33	33	33	33	33	32	33	33	32	33	33	28	33	33	32	
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		509	512	305	242	181	183	191	178	177	181	212	204	217	206	335	181	181	200	205	201	307	311	374	371	610
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	2	4	7	10	14	16	19	21	25	22	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	6	19	23	38	32	42	46	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	22	26	30	31	24	33	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	15	18	21	23	26	28	29	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	15	21	22	28	34	37	38	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	16	25	31	36	41	35	35	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	15	21	25	27	32	36	39	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	23	25	32	38	41	38	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	9	12	19	22	30	39	14	30	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	18	24	28	31	35	34	38	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	38	73	119	175	222	269	323	311	339	
PCUF	CUFG	4	2	4	3	3	4	3	2	3	4	5	3	3	2	3	5	3	2	5	3	5	4	3	4	3
PCUF	CUFK	3	2	2	4	6	5	3	3	5	3	4	5	4	3	3	5	1	2	3	4	2	3	4	4	5
Total Co-Gen		7	4	6	7	9	9	6	5	8	7	9	8	7	7	6	8	3	5	12	8	4	9	7	7	7
Total Gen		13539	13311	13089	12790	12551	12446	12235	12117	11989	11949	11770	11723	11768	11735	11528	11086	10973	11355	11596	11712	12110	12422	12594	12781	

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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