

Daily System Generation Summary on Monday

Monday, June 01, 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	17,271 MW
Total Co-Gen	0 MW
Total System	22,616 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,373	2.71 %
Gas	32,660	9.46 %
Total TNB	42,033	12.17 %
ST-Coal	225,324	65.24 %
LSS	2,273	0.66 %
Gas	75,567	21.88 %
Total IPP	303,164	87.77 %
Co-Gen	350	0.10 %
Total Co-Gen	350	0.10 %
Total Generation	345,547	100.05 %
PLTG	-566	-0.16 %
HVDC	722	0.21 %
Interconnection	156	0.05 %
Net Energy	345,391	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:	16:00:00 Hour
Total Set On Bus	18,585 MW
TNB Generation	2,276 MW
IPP Generation	14,254 MW
Spinning Reserve	1,999 MW
Maximum Demand	16,669 MW
Net Energy	345,391 MWH
Load Factor	86.34 %

Fuel Cost

Total Cost:	53,984,208.16 RM
Cost per Unit	15.62 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	664
Hydro	255
Syncon	1,216
Thermal	174
Total	2,309

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	39
TJGS	192
Total TNB	230
CBPS	50
KLPP	84
NPRI	147
PGLA	37
PLPS	67
SKSP	34
YPKA	41
Total IPP	460
Total Gas	690
Total Gas Required	690

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	13373	12907	12343	12022	11706	11559	11653	11765	12482	14404	15297	15832	15801	15738	16251	16590	16669	16192	15019	14824	15884	15779	15396	15303

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 07, 2020 12:46:47 PM

(Ir. Shanmugam Thoppalan)
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																											
JMAH	U001	691	691	693	693	691	693	693	666	600	604	601	603	604	652	692	615	693	693	693	697	692	694	693	693	694	693	693	693	693	693	694	694	692	695	694	695	694														
JMAH	U002	694	693	692	693	692	696	691	652	605	605	605	604	603	653	697	627	694	696	695	695	698	694	694	693	695	695	695	695	694	695	696	694	693	694	697	693	695	694	692	694	696	692	695	695	694						
JMHE	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	13	55	131	150	139	146	146	143	145	150	0	0	0	0	0	0	0	0	0	0	14							
JMHE	U002	888	888	894	893	781	783	782	782	779	779	781	780	781	779	782	781	782	954	979	976	978	977	978	978	977	978	975	977	981	976	978	978	979	972	976	980	978	987	980	976	978	978	980	977	979	976					
JMJG	U001	641	641	640	640	641	638	640	641	642	642	640	636	637	634	636	639	637	635	637	637	634	636	639	639	640	634	632	637	638	640	632	643	641	633	641	633	640	635	640	638	640	636	637	637	647	635	637				
JMJG	U002	672	673	673	672	670	676	669	668	671	671	673	673	672	679	677	671	675	671	672	677	667	674	671	673	676	672	678	672	673	672	668	671	672	672	672	672	677	668	666	640	652	673	672	676	674	674	671	676			
JMJG	U003	667	671	668	666	663	672	668	668	665	666	668	666	668	668	667	668	667	667	667	667	665	667	666	667	669	665	669	668	671	662	671	670	671	666	671	666	670	672	669	663	666	666	662	667	673	671	666	667			
JMJG	U004	892	895	895	892	804	790	786	788	789	787	789	786	786	786	787	787	786	787	876	904	903	904	906	905	906	904	906	904	904	905	905	905	906	906	907	904	903	906	903	907	907	905	906	900	903	903	904				
PKLG	U003	280	283	282	284	283	284	283	250	147	149	151	150	150	150	150	150	150	199	280	284	283	282	282	281	282	280	282	281	282	283	284	283	284	282	282	282	282	282	282	282	283	282	280	283	282	280	281	280	283	282	283
PKLG	U004	261	260	261	261	265	263	262	222	150	153	153	153	154	156	154	154	200	257	262	262	260	258	259	258	259	262	260	259	260	260	259	264	257	260	261	262	261	259	260	261	261	258	260	262	261	258	260	260	260		
PKLG	U005	466	463	466	467	466	466	467	426	337	264	265	269	269	270	269	267	304	399	466	483	460	468	468	466	466	467	466	467	469	466	468	468	469	470	468	467	466	467	468	467	467	469	467	469	467	469	467	468			
PKLG	U006	449	451	446	443	446	447	447	449	448	446	449	446	449	448	446	446	449	448	344	315	331	428	446	449	450	448	449	450	451	451	448	443	449	450	453	450	447	448	446	449	448	448	448	452	448	447	450	445			
TBIN	U001	688	688	643	599	603	600	602	603	600	600	600	599	598	600	630	628	630	631	628	629	649	682	691	687	690	689	690	689	690	689	691	688	690	692	691	687	689	690	689	690	691	688	689	690	674	647	649	648			
TBIN	U002	692	690	654	603	603	603	603	615	603	602	602	603	603	602	631	632	633	632	629	632	656	651	689	691	690	691	690	692	687	690	686	692	693	689	688	695	692	691	687	689	691	692	693	688	691	650	651	652			
TBIN	U003	359	432	522	606	631	634	629	675	599	600	601	600	601	601	633	629	631	631	632	630	646	651	651	686	690	688	687	687	691	686	689	689	689	689	686	687	690	688	692	689	690	689	687	687	689	646	652	653			
TBIN	U004	892	894	893	886	798	783	782	783	782	781	782	782	782	784	783	783	782	784	873	961	983	983	983	982	983	983	983	981	981	983	983	982	984	982	983	982	983	982	983	983	983	983	982	982	982	981					
Total ST-Coal		9232	9313	9322	9298	9037	9028	9004	8888	8417	8349	8360	8350	8357	8462	8634	8477	8761	8993	9310	9451	9502	9650	9717	9753	9779	9806	9889	9905	9897	9902	9894	9905	9909	9911	9766	9748	9762	9754	9754	9728	9746	9749	9748	9765	9743	9643	9634	9653			
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	0		
CBPS	BLK2	362	354	346	339	339	282	224	217	224	223	225	221	221	281	223	266	336	358	364	364	362	365	362	364	357	357	357	358	356	356	356	357	359	352	363	356	356	356	356	361	356	358	355	361	358	361	361	363			
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	38	60	71	88	104	88	86	86	86	85	68	67	67	66	66	67	67	69	86	86	67	66	67	67	68	67	66				
GLGR	GT02	96	96	96	96	95	96	96	95	96	96	95	96	96	95	96	95	96	96	96	96	96	96	88	89	108	88	85	87	86	67	67	67	67	67	68	68	68	86	67	66	67	67	68	67	66						
GLGR	ST1C	39	37	38	39	39	39	38	39	38	38	39	38	39	38	38	39	38	37	37	37	38	37	41	39	76	91	81	80	80	80	80	72	71	71	71	72	72	72	72	72	79	77	72	72	72	71	72				
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	136	138	138	138	133	133	133	122	111	119	132	134	132	137	137	137	129	137	122	109	108	137	135	133	134	133	134	134	133	135				
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	151	153	154	156	156	132	124	128	144	145	142	151	157	153	140	157	131	121	120	156	156	156	155	155	156	157	101						
KLPP	GT15	155	131	132	128	132	128	128	128	128	129	128	131	131	129	131	133	143	143	142	154	159	158	158	158	134	127	129	144	149	145	152	153	152	144	152	137	125	123	156	153	153	154	156	156	156	156	156				
KLPP	ST17	77	53	58	53	54	53	55	55	55	53	53	57	53	51	51	59	61	61	93	125	125	203	211	211	211	207	196	194	193	202	202	202	197	205	195	187	187	206	201	205	204	204	200	203	195						
NPRI	BLK1	516	504	442	346	377	386	353	325	485	458	418	451	479	486	364	397	386	523	474	529	493	526	529	508	509	509	507	510	505	504	505	505	504	499	505	502	507	499	514	506	510	502	506	502	510	510	509				
NPRI	BLK2	520	508	441	341	374	388	352	327	486	488	416	495	493	499	361	398	412	523	492	470	530	489	526	526	509	512	502	509	511	506	505	506	506	504	502	505	502	510	499	517	509	512	504	509	505	512	512	513			
PCGP	PGRG	602	494	409	398	396	393	392	394	396	392	398	393	397	395	400	405	409	395	396	393	393	393	393	393	392	396	388	494	495	495	492	437	401	399	400	399	460	424	432	423	399	395	391	396	394						
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	29	143	143	182	250	255	257	258	254	254	254	255	246	253	252	242	242	242	241	243	241	174	172	172	173	172	243	242	240	241	241	241	243	242				
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	106	111	111	113	111	110	110	111	111	112	112	107	107	107																				

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 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	
BSIA	HY02	11	11	12	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	11	12	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	11	11	11	11	11	12	12	12	11
CEND	HY01	8	7	8	8	8	7	8	8	8	7	7	7	8	8	8	7	8	7	8	7	8	8	8	8	8	7	8	7	8	7	8	8	8	7	8	7	7	7	8	7	8	8	8	8	7	7	8
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	8	7	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	7	7	7	7	7	7	7	8	7	8	7	7	8	7	8	7	7	8	8	8	8	
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	-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	-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	36	37	37	37	37	36	37	26	26	26	26	26	26	26	37	37	36	36	37
KNRG	HY03	25	25	26	25	25	25	25	25	25	25	25	26	25	26	37	37	37	37	37	37	37	37	37	37	37	36	37	36	36	36	36	37	36	36	37	24	24	24	25	24	25	24	36	36	36	36	
KNYR	HY01	66	64	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	55	55	97	97	97	97	97	97	98	59	-1	-1	56	59	98	98	98	98	98	100	100	99
KNYR	HY02	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	56	98	98	98	98	98	99	-1	-1	-1	100	98	98	98	98	98	100	100	98		
KNYR	HY03	60	60	60	64	70	64	65	62	64	64	64	75	66	65	69	67	72	76	67	72	60	60	60	60	60	57	55	61	62	62	97	57	57	58	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	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	0	0	0	59	98	98	98	98	98	59	59	58	56	60	98	98	98	98	98	100	100	99	
LPIA	HY01	16	16	16	16	16	16	16	16	16	15	15	15	15	15	16	16	16	16	16	16	16	17	17	17	17	17	17	17	15	15	16	17	17	17	17	17	17	17	17	17	18	18	18	18	17		
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	17	17	17	17	17	17	17	17	15	15	15	16	16	16	16	16	16	18	18	18	18	18	18	19	20	20	20	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	6	6	6	6	6	2	2	2	2	2	2	5	5	4	4	4	4	4	4	4	4	5	5	5	5	5	5	
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	50	50	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	50	50	50	50
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	25	25	25	25		
TMGR	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		
TMGR	HY03	32	32	32	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	31	31	31	32	32	32	31	32	32	32	32	32	32	31	32	32	32	32	32	32	32	32	31	31	29	31	32	31	30	31	31	31	29	32	31	31	29	32	31	32	31	31	32	32	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	-1	-1	-1	-1	-1	-1	-1	92	91	73	-1	-1	-1	-1	-1	87	96	90	-1	-1	-1	97	-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	-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	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7		
UPIA	HY02	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	4	4	4	3		
Total Hydro		345	279	217	187	194	185	188	203	187	206	186	199	189	189	203	203	230	231	203	211	319	295	295	295	291	307	459	441	581	637	660	716	714	694	411	328	325	359	474	708	645	636	644	627	633	731	646
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	10	12	16	20	21	22	24	27	27	25	25	25	19	22	22	20	14	5	3	2	1	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	2	8	11	17	18	16	6	4	10	11	22	38	36	43	41	31	37	25	28	14	18	7	6	1	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	2	5	11	16	22	27	31	34	38	35	9	17	37	36	24	14	16	2	4	3	2	2	1	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	2	5	9	12	16	20	4	26	14	8	6	28	21	22	14	26	24	2	2	0	1	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	2	4	7	18	22	27	35	37	40	44	45	34	31	17	31	32	21	23	22	24	13	7	5	2	0	0	0	0	0	0	0	0	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	4	16	20	11	13	38	6	4	2	7	15	30	43	43	32	33	27	25	13	6	3	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	1	3	5	15	20	21	31	34	32	39	39	43	30	44	38	36	1																

Daily MW Generation on Monday

[illegible]