

Daily System Generation Summary on Sunday

Sunday, September 19, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,904 MW
Distillate	0 MW
Total TNB	1,904 MW
Total IPP	17,224 MW
Total Co-Gen	0 MW
Total System	22,331 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,539	4.93 %
Gas	36,153	11.47 %
Total TNB	51,692	16.41 %
ST-Coal	202,626	64.31 %
LSS	2,831	0.90 %
Gas	57,269	18.18 %
Total IPP	262,726	83.38 %
Co-Gen	1,237	0.39 %
Total Co-Gen	1,237	0.39 %
Total Generation	315,655	100.18 %
PLTG	-155	-0.05 %
HVDC	720	0.23 %
Interconnection	565	0.18 %
Net Energy	315,090	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	16,169 MW
TNB Generation	2,455 MW
IPP Generation	12,139 MW
Spinning Reserve	1,525 MW
Maximum Demand	14,606 MW
Net Energy	315,090 MWH
Load Factor	89.89 %

Fuel Cost

Total Cost:	50,045,437.13 RM
Cost per Unit	15.85 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	665
Hydro	147
Syncon	343
Thermal	754
Total	1,909

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	115
Total TNB	144
CBPS	52
NPRI	161
PGLA	46
PLPS	37
Total IPP	296
Total Gas	440
Total Gas Required	440

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	14153	13640	13152	12752	12521	12178	12092	11809	11493	12115	12676	13098	13218	13120	13381	13459	13470	13278	13101	13669	14606	14378	14065	13695

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 10:54:33 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	652	603	498	502	448	401	402	401	351	351	352	352	350	353	299	301	302	301	302	418	431	451	452	452	453	506	502	500	501	502	500	501	423	401	401	449	507	688	693	693	648	652	652	601	601	550					
JMAH	U002	654	603	503	506	453	403	405	404	370	353	355	355	354	355	351	304	301	302	304	300	397	404	406	404	455	457	456	509	506	505	504	505	502	504	473	439	404	456	506	696	695	693	655	654	655	605	603	554			
JMHE	U001	898	897	853	852	851	849	848	800	801	781	778	782	780	779	776	781	781	781	780	779	780	782	807	840	840	844	841	839	842	839	859	856	863	858	863	857	861	858	861	925	917	920	921	918	917	852	851	851			
JMHE	U002	900	896	852	849	851	850	848	799	801	781	780	785	779	780	777	779	782	781	781	779	783	778	807	845	842	840	840	841	842	842	864	858	863	860	867	860	860	858	862	928	917	917	919	918	914	852	848	852			
JMJG	U001	673	660	667	672	646	646	656	648	646	647	645	647	645	640	590	598	649	669	671	674	673	667	672	668	668	670	666	670	666	670	668	671	672	669	672	673	673	672	676	667	669	663	668	672	672						
JMJG	U002	674	673	675	672	649	651	647	650	651	647	649	652	648	649	649	573	596	601	645	669	667	670	668	669	668	671	667	669	669	668	667	666	667	668	667	668	667	666	667	666	667	666	667	668	667	668	668				
JMJG	U003	668	670	671	670	643	645	642	643	645	646	645	644	644	645	562	590	595	644	671	673	657	658	661	666	666	667	667	667	672	664	666	673	671	671	671	668	670	671	671	670	674	668	671	663	668	671	669				
JMJG	U004	876	873	854	854	853	854	853	806	805	786	785	789	787	785	789	788	786	787	787	788	787	790	796	845	846	847	844	848	847	846	857	865	865	862	866	867	864	864	864	863	912	922	920	920	922	920	874	854	854		
PKLG	U003	153	153	154	154	154	153	154	154	155	153	153	155	154	154	154	154	153	155	153	154	154	153	154	155	153	154	153	153	154	153	154	153	154	154	154	154	154	154	154	153	154	151	151	151	151	151	151				
PKLG	U006	448	448	448	446	446	450	448	450	449	448	449	448	448	449	446	446	449	446	446	449	448	449	446	445	445	445	446	449	448	448	449	448	448	449	451	451	448	448	448	448	448	449	449	446	444	446	449				
TBIN	U001	647	619	600	552	550	549	500	484	450	449	449	398	401	399	377	303	355	351	347	400	399	503	499	499	499	505	442	499	551	551	550	549	549	549	549	548	522	518	481	506	644	688	686	686	648	649	648	647	648		
TBIN	U002	651	622	602	555	553	553	504	486	442	452	452	399	402	402	388	309	333	352	352	410	402	501	500	468	451	483	501	543	546	501	534	554	552	553	525	522	480	510	638	685	690	692	691	653	652	651	652	651			
TBIN	U003	648	620	601	549	551	550	502	483	451	451	452	401	401	400	395	310	357	351	351	363	400	469	505	450	451	454	502	501	502	502	556	552	551	551	526	520	485	494	628	693	694	692	690	659	654	654	654	652			
TBIN	U004	904	904	867	855	855	853	852	803	802	802	803	802	803	803	800	803	803	802	803	802	802	812	842	842	843	843	844	841	841	854	866	861	863	862	863	863	863	865	918	920	922	923	923	922	854	853	851				
Total ST-Coal		9446	9241	8845	8688	8503	8407	8253	8019	7821	7746	7748	7609	7597	7597	7549	6968	7175	7206	7344	7532	7782	8063	8184	8242	8283	8328	8379	8587	8580	8538	8679	8711	8721	8712	8542	8463	8310	8472	8988	9745	9743	9749	9654	9554	9526	9189	9171	9072			
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				
CBPS	BLK2	347	335	365	358	318	346	329	301	374	375	319	370	364	342	292	368	302	366	332	366	365	365	363	316	365	341	318	303	254	366	362	365	368	364	366	357	369	367	350	361	361	367	360	333	219	233	218	223			
GLGR	GT01	95	94	95	94	97	95	95	95	95	96	96	96	96	95	95	96	96	95	96	96	94	95	98	97	94	95	96	94	96	95	96	95	96	96	95	96	95	95	97	95	95	95	96	95	97	95	95				
GLGR	ST1C	40	40	41	40	41	41	40	40	41	41	41	41	40	40	41	41	40	41	41	41	41	40	40	40	42	41	40	41	40	41	40	40	40	41	41	40	42	41	41	41	42	41	41	42	41	41	41	41			
NPRI	BLK1	515	506	515	512	515	514	510	513	521	519	515	520	515	514	502	516	515	513	518	515	516	509	514	515	515	510	505	501	515	516	513	510	520	514	514	498	515	514	515	512	506	511	505	515	509	515	511	335			
NPRI	BLK2	517	509	515	511	514	517	514	517	526	521	518	520	518	518	490	517	501	512	518	518	517	509	514	514	515	501	490	485	520	518	515	513	524	515	494	481	518	518	517	493	509	504	493	520	440	526	442	470			
PCGP	PGRG	602	591	603	598	602	602	598	599	608	608	605	607	603	602	589	604	601	603	608	605	604	595	599	601	603	594	595	598	601	603	591	612	603	604	603	599	612	603	582	605	602	603	599	592	599	592	601	596	604	597	604
PGLA	GT11	159	156	159	158	159	160	158	160	162	159	160	162	160	159	156	160	158	159	160	158	159	156	158	161	159	160	159	156	159	159	161	159	164	159	161	153	162	159	160	158	155	158	156	159	158	158					
PGLA	ST10	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	87	88	87	88	88	88	89	88	88			
PLPS	GT11	128	128	128	128	129	129	129	129	129	129	129	129	129	129	130	128	128	129	128	129	128	129	128	128	128	127	129	128	129	129	128	129	128	128	129	129	128	129	128	129	128	127	128	129	129	129	128				
PLPS	ST18	57	58	57	57	58	57	57	57	57	57	57	57	56	58	57	56	57	58	57	58	57	58	57	57	57	57	57	57	58	57	58	58	57	58	57	58	56	57	57	57	58	57	58	57	58	56	57	57			
SPGP	BLK2	723	724	723	724	724	722	722	725	724	726	723	726	724	725	724	724	723	722	723	724	725	727	725	725	725	725	725	723	723	725	725	723	724	725	724	726	726	725	725	724	725	723	723	725	726	726	725	724			
TJGS	GT1A	149	146	145	147	150	141	148	141	150	154	141	162	142	152	145	160	151	143	154	149	148	143	146	139	144	147	145	145	145	148	149	151	149	185	147	143	168	173	150	151	146	146	146	140	146	155	144	141			
TJGS	ST1C	83	83	83	83	83	83	83	83	83	83	83	86	83	83	84	84	85	85	85	89	84	84	84	84	84	84	84	84	84	84	84	84	83	85	81	84	85	85	81	81	84	84	84	84	84	87	83	83			
TJGS	GT2A	107	107	107	107	107	107	107	107	107	107	107	107	108	108	108	108	108	108	108	108	108	108	108	108	107	107	107	107	107	107	108	108	108	108	108	107	110	108	108	124	170	128	128	130	129	129	128	128			
TJGS	GT2B	102	102	102	101	101	101	101	101	104	103	103	103	103</																																						

Daily MW Generation on Sunday

[illegible]

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0