

Daily System Generation Summary on Sunday

Sunday, March 21, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	17,689 MW
Total Co-Gen	0 MW
Total System	23,576 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,394	3.65 %
Gas	24,412	7.20 %
Total TNB	36,806	10.85 %
ST-Coal	236,150	69.61 %
LSS	3,594	1.06 %
Gas	61,345	18.08 %
Total IPP	301,089	88.75 %
Co-Gen	166	0.05 %
Total Co-Gen	166	0.05 %
Total Generation	338,061	99.65 %
PLTG	-500	-0.15 %
HVDC	-701	-0.21 %
Interconnection	-1,201	-0.35 %
Net Energy	339,262	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:	21:00:00 Hour
Total Set On Bus	17,316 MW
TNB Generation	2,488 MW
IPP Generation	13,686 MW
Spinning Reserve	1,134 MW
Maximum Demand	16,240 MW
Net Energy	339,262 MWH
Load Factor	87.04 %

Fuel Cost

Total Cost:	41,536,619.15 RM
Cost per Unit	12.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	403
Hydro	318
Syncon	756
Thermal	405
Total	1,882

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	32
TJGS	44
Total TNB	76
CBPS	43
NPRI	100
PLPS	60
YPKA	24
Total IPP	227
Total Gas	303
Total Gas Required	303

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	15173	14507	13997	13636	13132	12974	12804	12645	12029	12501	13198	13729	13818	13867	14368	14704	14691	14447	14075	14402	16052	16240	16024	15770

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 6, 2021 11:50:53 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	692	692	692	692	693	691	690	693	693	691	693	687	693	693	690	599	551	601	603	604	693	692	692	694	690	691	692	692	691	692	692	691	691	692	693	691	692
JMAH	U002	695	695	696	695	697	695	693	696	695	696	694	697	695	697	694	601	554	603	605	603	698	695	696	695	696	695	694	693	697	695	694	694	693	695	696	695	696
JMHE	U001	753	746	753	750	748	749	750	752	748	748	752	749	750	752	747	745	750	747	748	748	753	746	752	754	743	750	749	752	748	754	750	752	753	749	752	751	751
JMHE	U002	983	978	982	897	897	896	781	780	777	776	780	779	779	780	777	777	780	780	781	778	783	776	784	888	874	880	879	881	923	923	920	922	919	920	924	921	919
JMJG	U001	643	645	643	593	597	600	599	596	597	599	596	598	603	598	600	552	560	645	668	642	672	667	674	666	675	669	662	667	657	649	644	654	671	678	667	669	
JMJG	U002	647	654	644	654	651	642	656	643	671	672	677	668	669	669	668	612	600	656	640	646	672	675	674	673	673	681	673	625	664	645	645	642	670	670	672	673	
JMJG	U003	637	647	638	645	647	646	634	645	645	645	640	645	643	643	648	589	596	641	639	634	668	671	667	670	667	668	667	670	660	645	645	639	672	671	669	671	
JMJG	U004	971	969	971	919	905	895	835	787	788	787	788	786	788	788	787	788	789	788	790	788	788	789	825	883	884	884	883	892	923	921	925	920	924	922	922	920	
JMJG	U005	825	828	826	828	825	803	780	780	780	781	783	782	782	782	778	778	780	777	778	781	785	783	783	782	779	782	778	782	783	785	785	781	815	856	892	897	
PKLG	U003	278	278	280	279	279	280	278	278	279	280	277	280	279	280	280	209	152	154	154	154	153	154	154	153	180	264	280	280	279	280	280	280	279	280	280	235	
PKLG	U004	281	277	277	278	277	272	276	279	276	277	277	277	280	279	278	230	160	151	154	153	155	155	155	154	158	181	260	275	278	275	278	277	278	287	282		
PKLG	U006	446	450	448	450	441	445	442	443	445	446	443	447	443	442	447	446	449	448	450	449	450	451	449	446	440	444	446	442	440	446	447	444	444	448	450		
TBIN	U001	687	689	687	690	684	687	691	686	687	686	690	688	688	687	687	691	602	601	601	693	691	690	692	692	691	690	691	688	691	690	694	693	688	689	689	691	
TBIN	U002	689	691	693	691	692	692	691	692	692	690	690	692	693	691	684	601	603	603	693	689	691	694	694	691	694	694	690	691	692	692	692	691	690	691	690	691	
TBIN	U004	982	984	984	954	904	904	822	784	783	780	783	783	782	783	782	783	783	783	783	821	884	884	883	883	907	923	924	923	924	923	922	921	923	924	923	925	
Total ST-Coal		10209	10223	10214	10015	9937	9897	9618	9534	9556	9556	9563	9556	9566	9566	9555	9083	8706	8979	8995	9150	9434	9416	9438	9608	9697	9773	9916	9903	10003	10016	10007	10013	10114	10168	10200		
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	
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	
CBPS	BLK2	210	225	218	219	219	220	356	223	214	213	221	225	218	224	208	215	222	222	222	230	222	220	220	220	219	225	225	223	357	366	361	321	217	225	221		
EMPP	BLK2	733	742	733	742	733	735	720	735	734	739	734	732	735	736	734	734	734	737	731	740	738	737	735	733	733	732	735	730	734	733	728	732	728	725	727		
GLGR	GT01	108	94	95	110	108	108	109	109	107	108	109	108	109	107	108	109	108	109	108	110	108	109	110	108	109	109	109	107	108	108	108	108	108	108	108	107	
GLGR	GT02	106	71	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	ST1C	97	84	42	44	45	44	44	45	44	44	44	45	44	45	44	44	44	44	45	45	45	45	45	46	46	46	46	46	46	46	46	47	46	45	47		
NPRI	BLK1	499	514	514	515	511	509	514	516	504	503	514	515	512	518	483	470	502	526	530	526	524	523	522	520	520	515	514	514	512	508	512	508	503	506	508		
NPRI	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	122	118			
PCGP	PGRG	262	553	567	605	598	497	601	349	261	263	263	263	262	270	262	268	267	264	269	268	266	399	602	600	587	403	264	603	588	613	602	593	597	604	599	592	
PLPS	GT11	134	140	141	141	115	111	112	127	124	124	129	128	128	128	121	124	126	126	131	132	128	129	130	129	124	129	129	128	125	133	127	124	111	116	135		
PLPS	GT12	136	141	140	143	119	119	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	132	140	140	138	112	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	109	109	113			
PLPS	ST18	209	211	211	213	197	186	132	121	57	58	56	57	58	57	55	56	57	59	58	57	58	57	58	58	57	58	57	58	58	60	122	132	133	142			
SPGP	BLK1	649	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPGP	BLK2	719	716	717	718	719	719	718	719	720	698	501	361	361	359	361	361	359	362	360	448	549	646	646	545	500	500	599	716	718	716	715	717	716	648	498		
TJGS	GT1A	134	135	131	128	133	130	130	128	126	131	131	129	132	115	118	131	130	131	129	133	130	130	132	130	128	128	132	130	229	231	191	131	134	132			
TJGS	ST1C	73	73	73	77	77	77	77	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	77	77	115	118			
YPKA	GT21	119	124	123	124	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
YPKA	ST20	58	60	59	60	40	39	39	39	39	39	39	39	38	39	39	39	39	38	39	39	39	40	40	40	40	40	40	41	40	60	59	59	59	59	59		
Total CCGT-Gas		4378	4023	3917	3977	3792	3616	3737	3294	3072	3055	2881	2744	2734	2758	2669	2677	2729	2755	2766	2862	2952	3173	3376	3272	3204	3024	2987	3439	3555	3803	3812	3976	3778	3729	3617		
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	
BSIA	HY01	11	0	0	0	0	0	0	0	0	0	0	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	12	12	12	12	24	24	23	24	24	24	23	23	23	23	23	23	24	23	24	23	23	11	11	12	12	12	12	12	12	12	12	12	12	12	12	
BSIA	HY03	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11		
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9																																		

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
KNRG	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	23	25	24	25	24	24	25	24	25	25	24	37	37	37	36	36	36	36	36	36	36	35	35	35
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	69	89	100	-1	-1	0
KNYR	HY02	60	-1	-1	-1	-1	-1	96	99	99	99	100	100	101	95	97	99	98	101	102	98	101	96	98	100
KNYR	HY03	73	64	58	58	58	58	94	97	97	98	98	99	93	95	97	0	0	0	0	0	0	0	0	63
KNYR	HY04	55	104	-1	-1	-1	-1	96	100	99	100	100	100	101	95	97	100	99	102	102	99	102	102	99	99
LPJA	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
LPJA	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
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	31	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
SYPS	HY01	17	17	17	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	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	42	91	49	92	72	70	80	46	43	45	92	90	47	89	39	41	45	50	73	91	49	79	66	45
TMGR	HY03	29	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	29	33	33	33	-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	92	-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	4	4	5	5	4	5	5	5	5	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		551	433	246	256	234	211	222	416	446	444	474	472	430	475	420	483	497	395	423	446	397	433	419	401
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
BKLS	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
BSLS	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
KRLS	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
STLS	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	CUFK	3	3	4	3	3	2	4	4	2	3	4	5	3	4	4	5	3	4	3	4	3	5	4	3
PCUF	CUFK	3	5	4	3	4	4	2	4	3	3	3	2	2	3	2	3	4	3	3	3	5	2	3	2
Total Co-Gen		6	8	8	6	7	6	6	8	5	6	7	7	5	7	5	6	9	6	7	7	10	5	8	6
Total Gen		15144	14687	14385	14254	13970	13730	13583	13252	13079	13061	12925	12779	12735	12806	12649	12251	11982	12249	12380	12739	13117	13412	13672	13760

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