

Daily System Generation Summary on Sunday

Sunday, March 19, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,653 MW
Distillate	0 MW
Total TNB	1,653 MW
Total IPP	16,712 MW
Total Co-Gen	0 MW
Total System	22,073 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,329	3.33 %
Gas	62,637	18.43 %
Total TNB	73,966	21.76 %
ST-Coal	187,666	55.22 %
LSS	7,252	2.13 %
Gas	70,157	20.64 %
Total IPP	265,075	78.00 %
Co-Gen	864	0.25 %
Total Co-Gen	864	0.25 %
Total Generation	339,905	100.01 %
PLTG	927	0.27 %
HVDC	-882	-0.26 %
Interconnection	45	0.01 %
Net Energy	339,860	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,427 MW
TNB Generation	4,696 MW
IPP Generation	11,949 MW
Spinning Reserve	741 MW
Maximum Demand	16,605 MW
Net Energy	339,860 MWH
Load Factor	85.28 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,149
Hydro	328
Syncon	486
Thermal	377
Total	2,340

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	36
SRDG	8
TJGS	177
Total TNB	221
EMPP	274
NPRI	68
PCGP	60
PLPS	49
SKSP	11
SPGP	199
Total IPP	661
Total Gas	882

Total Gas Required 882

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	15418	14779	14212	13616	13210	12899	12920	12592	11899	12247	12950	13295	13305	13394	14054	14394	14727	14730	14456	14803	16367	16605	16510	16244

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 4, 2023 9:44:54 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																									
JMHE	U001	975	979	983	974	975	899	900	896	896	848	847	851	848	850	849	848	853	849	852	849	851	849	850	850	845	852	873	923	916	921	923	916	921	920	921	921	925	976	973	972	975	971	973	970	974	972			
JMHE	U002	979	981	983	972	973	898	900	899	898	849	846	853	849	849	852	846	810	849	851	852	849	849	848	852	850	850	848	852	851	848	850	854	846	851	848	849	848	853	851	849	850	851	848	850	847	847	849		
JMJG	U001	444	442	436	442	446	444	442	442	443	444	442	442	444	442	441	451	442	444	444	445	442	442	443	443	439	439	446	443	443	444	441	441	446	442	444	447	443	447	445	447	452	444	442	442	445	444	444	444	
JMJG	U002	679	681	682	679	678	679	678	689	674	683	676	682	681	676	682	679	677	616	585	606	682	677	680	679	679	678	683	682	679	677	679	686	682	675	682	678	681	679	679	678	678	679	682	683	678	683	678	683	679
JMJG	U003	679	674	675	679	681	678	677	681	681	681	681	678	683	679	675	682	673	680	667	679	682	679	676	672	668	669	671	671	668	668	672	671	671	671	667	668	677	666	671	670	632	598	629	677	668	675	671		
JMJG	U004	972	970	971	965	911	911	912	911	913	882	864	866	858	862	862	862	862	859	865	863	865	864	863	862	862	863	864	864	883	930	926	925	926	926	929	924	929	922	923	977	983	983	983	983	985	976	981	977	
JMJG	U005	741	792	903	928	931	900	903	900	900	851	852	852	850	848	848	851	850	848	846	849	849	848	854	849	848	852	848	854	900	717	749	752	751	798	801	801	800	790	796	794	795	793	796	794	910	977	980	976	
PKLG	U003	276	276	278	277	277	278	277	278	275	279	277	279	278	277	277	278	277	278	277	276	277	276	276	276	277	277	277	275	276	277	277	277	278	276	277	277	276	278	278	277	276	278	276	276	276	276	279		
PKLG	U004	276	273	272	275	277	278	274	276	276	274	274	272	270	269	273	275	277	278	271	269	271	273	275	275	271	274	275	271	262	268	273	264	271	271	272	272	277	273	269	270	270	269	270	272	272	274	273		
PKLG	U006	447	446	445	446	440	447	447	450	449	450	449	449	451	445	450	452	453	447	449	450	449	447	447	450	447	447	447	448	448	447	451	449	447	446	451	443	446	446	448	449	450	453	449	447	449	450	450	446	
TBIN	U001	697	699	699	697	698	699	697	699	696	697	698	699	700	696	699	698	662	699	691	699	697	694	696	699	634	294	208	210	210	209	211	335	350	501	499	499	500	500	502	694	699	694	695	697	697	696	694	696	
TBIN	U004	983	982	983	979	902	902	903	903	903	861	853	853	854	853	852	852	851	853	853	853	853	852	852	853	852	853	852	891	924	921	923	922	923	923	922	922	923	922	924	981	982	984	982	982	983	983	981	982	
Total ST-Coal		8148	8195	8310	8313	8189	8013	8010	8024	8004	7799	7759	7776	7766	7746	7760	7774	7642	7700	7652	7690	7768	7751	7761	7758	7678	7345	7265	7274	7385	7335	7365	7495	7519	7692	7721	7698	7716	7701	7708	8065	8078	8030	7996	8023	8202	8237	8259	8244	
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	0	
EMPP	BLK1	694	702	639	709	707	682	632	601	571	468	406	420	419	410	439	440	441	410	411	415	410	401	410	410	410	407	621	708	713	706	702	711	698	711	708	709	712	730	702	710	709	698	688	696	692	709	687		
EMPP	BLK2	693	700	647	709	709	709	697	645	572	602	533	505	490	499	440	440	441	411	411	414	409	401	410	410	409	504	544	649	710	712	703	703	709	694	711	708	709	712	730	704	709	709	697	689	696	692	708	685	
EMPP	BLK3	693	699	696	708	708	709	706	695	670	710	678	629	710	669	439	440	441	410	410	414	410	401	505	575	409	531	543	652	709	710	706	704	711	695	711	708	710	712	731	690	710	710	698	687	697	692	710	684	
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	62	93	108	106	108	106	106	107	106	106	102		
GLGR	GT02	109	101	93	92	93	93	92	92	92	93	92	92	92	92	92	93	93	93	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	93	92	93	92	92	106	105	106	106	105	106	105	106	99		
GLGR	ST1C	48	45	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	41	41	41	41	41	41	41	41	40	40	41	41	41	41	41	41	40	40	41	41	75	97	97	96	97	97	97	96	96			
NPRI	BLK1	512	511	485	503	520	395	333	332	313	334	324	330	334	334	341	319	324	334	333	335	334	325	329	333	334	333	326	333	331	503	500	505	511	501	507	505	507	508	511	500	506	507	505	494	494	500	505	487	
PCGP	PGRG	298	300	302	300	298	301	303	297	292	301	297	299	303	303	302	293	301	301	309	300	303	299	298	301	299	304	292	304	301	306	295	301	321	296	301	297	303	601	642	602	603	604	597	586	595	591	602	590	
PLPS	GT12	153	123	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	76	124	145	146	147	148	145	149	150	150	145		
PLPS	GT13	122	122	122	123	124	125	125	125	125	125	125	125	124	125	124	125	124	125	124	125	124	125	124	124	124	125	125	124	124	125	125	124	124	125	125	123	123	127	137	137	137	137	134	138	137	137	134		
PLPS	ST18	144	140	132	61	59	58	57	57	57	57	58	57	58	57	56	57	57	57	57	57	57	58	58	58	58	57	57	56	57	57	57	57	57	57	57	59	114	138	145	145	144	144	142	145	143	144	142		
SKSP	BLK1	333	295	222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	75	329	345	344	344	341	329			
SPGP	BLK1	717	716	715	720	721	718	720	718	717	718	717	718	720	719	711	511	403	444	403	467	576	660	514	521	596	717	719	719	714	712	715	717	717	717	719	718	718	719	718	717	720	717	716	716	717	718	717	718	
SPGP	BLK2	717	718	716	720	718	719	717	718	715	718	716	719	719	717	712	597	438	446	401	488	588	680	621	522	669	721	712	705	701	700	698	714	703	715	718	719	718	713	718	717	717	718	717	716	718	719	719	716	
TJGS	GT1A	226	229	145	125	124	127	126	127	115	128	124	128	126	128	128	118	125	126	128	127	128	123	129	127	125	128	127	128	127	143	184	218	224	225	196	196	199	124	135	228	225	224	227	225	225	222	224	224	
TJGS	GT1B	210	211	134	117	115	113	114	113	103	118	113	117	116	116	117	105	110	114	113	119	114	112	117	116	114	114	114	115	115	135	170	208	212	213	181	186	185	111	127	210	211	215	212	213					

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	HY03	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4	3	3	4	4	3	3	3	3	3	3
HTRG	HY04	3	3	3	3	4	4	4	4	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	33	23
KNRG	HY02	21	21	21	22	22	22	22	21	22	22	22	21	21	22	22	22	22	21	22	22	23	22	35	35	22
KNRG	HY03	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	35	35	35	22	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	59	60	59	60	60	60	59	106	102	102
KNYR	HY02	62	64	94	100	100	101	100	96	91	100	96	101	99	99	91	60	59	98	88	100	100	62	99	100	67
KNYR	HY03	54	54	54	55	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	55	55	55	55	98	98
LPIA	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
LPIA	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	0
MNOR	HY01	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
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30
SIHY	HY02	30	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	HY03	30	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	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
TMGR	HY02	90	39	39	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	88	89
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	
TMGR	HY04	43	43	43	83	86	86	86	84	38	84	83	85	86	85	70	38	39	82	71	84	86	39	86	85	50
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	-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	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	4
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		623	299	329	378	342	287	286	280	226	282	277	284	283	260	197	187	271	249	274	275	255	334	336	267	338
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	10	10	16	20	22	23	25	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	12	16	21	24	26	29	32	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	17	21	26	29	32	38	30	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	15	23	14	29	32	34	41	42
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	11	33	27	33	29	43	20
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	16	18	23	29	22	30	25	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	17	23	29	35	39	39	39	42	49
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	18	23	27	29	30	30	28	31
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	17	26	28	34	41	36	50	40
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	18	33	45	57	59	79	78	91	74	71
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	17	22	29	34	36	41	43	43	49
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	20	23	22	24	30	26	25
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	16	41	44	60	80	96	91	100	100	51
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	11	19	22	25	29	30	24	30
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	11	26	29	25	22	22	29	29	20
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	10	6	41	36	32	51	47
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	16	43	16	86	84	84	93	93
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	24	44	65	70	86	35	105	105	110	110
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	20	30	35	34	44	48	49	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	18	25	31	37	37	42	44	46
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	4	9	18	6	6	6	8	13

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		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	17	26	30	30	29	30	30	30	30	30	30	30	30	29	24	18	11	5	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	8	84	208	370	522	609	817	832	899	1002	962	989	878	924	895	925	787	754	629	574	404	276	122	45	0	0	0	0	0	0	0	0	0
ESTL	ESTL	14	12	9	10	11	12	12	22	22	24	24	18	26	26	25	17	16	18	24	16	16	17	24	25	25	18	17	15	24	10	9	23	18	21	19	20	18	19	6	21	21	22	25	24	23	21	24	24	
KHTC	BLK1	2	3	2	1	2	3	2	3	3	2	2	1	4	5	5	4	1	4	4	1	0	0	0	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	CUFG	3	3	4	4	1	5	5	3	3	2	2	4	4	4	4	4	3	4	4	5	4	3	5	3	3	2	3	4	2	4	3	4	3	6	4	3	4	6	4	5	4	4	3	4	2	4	4		
PCUF	CUFK	8	7	8	7	7	8	10	7	6	7	8	6	5	8	6	5	8	8	8	6	8	7	6	8	8	6	6	7	8	7	8	7	8	9	7	11	9	8	8	7	7	7	7	7	8				
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Co-Gen		32	30	28	27	26	33	34	40	39	40	41	34	44	48	45	37	34	38	45	32	34	33	38	43	41	32	30	29	40	25	25	38	35	36	38	38	33	39	26	38	39	38	41	39	39	35	40	41	
Total Gen		15388	15049	14701	14384	14205	13834	13603	13515	13260	13144	12910	12884	12956	12896	12617	12201	11888	12141	12162	12522	12884	13182	13224	13279	13282	13366	13326	13670	14031	14334	14482	14664	14757	14798	14728	14504	14484	14504	14779	15797	16414	16560	16686	16648	16520	16373	16268	15838	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-31	-31	-29	-30	-30	-31	-30	-30	-30	-31	-31	-31	-28	-28	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-28	-48	-48	-48	-48	-50	-48	-48	-48	-48	-50	-48	-48	-49	-48	-50	-48	-48	-29			
TIE-PLTG		1	2	-50	-18	24	25	17	39	80	26	42	-17	64	33	54	76	19	-16	-56	14	-37	42	-42	-24	6	53	-39	-52	5	100	136	115	78	134	46	64	76	68	26	82	96	88	129	103	60	76	71	36	
Interconnection		-30	-29	-78	-49	-7	-5	-13	8	50	-5	11	-48	36	5	25	46	-11	-46	-85	-15	-66	13	-71	-53	-23	23	-68	-83	-23	51	108	68	134	-4	-2	16	28	20	-24	34	47	39	81	52	10	28	24	7	
System Total		15418	15078	14779	14433	14212	13839	13616	13507	13210	13149	12899	12932	12920	12891	12592	12155	11899	12187	12247	12537	12950	13169	13295	13332	13305	13343	13394	13753	14054	14283	14394	14597	14727	14714	14730	14488	14456	14484	14803	15763	16367	16521	16605	16596	16510	16345	16244	15831	
SRev ST-Coal		157	260	145	242	366	539	545	530	544	543	544	545	540	564	548	529	580	604	662	618	547	557	552	554	532	534	518	521	536	399	371	365	357	384	353	376	359	374	369	140	127	175	159	182	153	168	146	161	
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	48	97	4	-1	-2	74	75	0	0		
SRev CCGT-Gas		581	641	1132	934	952	1099	1327	1429	1609	1577	1767	1810	1738	1781	2048	2415	2659	2676	2754	2596	2402	2274	2341	2357	2306	1911	1891	1449	1254	912	813	621	543	608	631	644	839	663	487	244	522	467	263	311	263	279	209	350	
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	0	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		601	727	727	727	727	828	828	828	828	828	828	828	828	828	828	828	828	828	828	828	828	727	727	727	727	727	727	727	727	727	626	626	626	626	439	626	626	626	626	187	0	0	0	0	187	500	500	626	
Hydro		354	239	209	160	109	63	64	70	124	68	73	66	66	67	90	153	163	79	101	76	75	196	117	115	184	113	118	113	115	161	172	187	160	290	126	144	103	172	86	327	315	268	320	363	482	330	355	354	
S.Reserve Total		1780	1954	2300	2150	2328	2703	2938	3031	3279	3190	3386	3423	3346	3414	3688	4099	4404	4361	4519	4292	4026	3928	3911	3927	3923	3459	3428	2984	2806	2272	2156	1973	1860	1895	1910	1964	2101	2009	1742	1120	1068	914	741	881	1159	1352	1210	1491	