

Daily System Generation Summary on Monday

Monday, March 27, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,576 MW
Distillate	0 MW
Total TNB	1,576 MW
Total IPP	17,889 MW
Total Co-Gen	0 MW
Total System	23,173 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,007	3.69 %
Gas	65,366	17.20 %
Total TNB	79,373	20.89 %
ST-Coal	197,266	51.91 %
LSS	5,926	1.56 %
Gas	96,189	25.31 %
Total IPP	299,381	78.78 %
Co-Gen	836	0.22 %
Total Co-Gen	836	0.22 %
Total Generation	379,590	99.89 %
PLTG	-384	-0.10 %
HVDC	-34	-0.01 %
Interconnection	-418	-0.11 %
Net Energy	380,008	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:	15:30:00 Hour
Total Set On Bus	19,081 MW
TNB Generation	4,012 MW
IPP Generation	13,896 MW
Spinning Reserve	1,139 MW
Maximum Demand	18,026 MW
Net Energy	380,008 MWH
Load Factor	87.84 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	344
Hydro	363
Syncon	417
Thermal	339
Total	1,463

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	23

Gas Usage

Station	(mmscfd)
GLGR	32
TJGS	194
Total TNB	226
CBPS	45
EMPP	301
KLPP	82
NPRI	77
PCGP	89
SKSP	33
SPGP	205
Total IPP	832
Total Gas	1,057
Total Gas Required	1,057

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	15298	14516	13928	13440	13210	13250	13442	13296	14010	15719	16484	16894	16777	16660	17533	18005	18005	17397	16597	16674	17243	17460	17074	16679

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 4, 2023 10:51:16 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																									
JMHE	U001	978	929	854	852	850	850	850	851	851	850	849	853	850	851	852	973	981	981	983	980	981	978	981	979	980	979	981	979	977	979	981	977	980	980	982	979	983	974	979	979	975	980	977	981					
JMHE	U002	974	931	853	854	848	849	850	850	849	848	850	851	851	854	850	852	853	975	975	980	984	978	979	974	978	979	979	974	976	977	975	978	974	974	977	974	977	974	979	973	978	974	974	972	971	977	973	973	
JMJG	U001	676	672	679	670	680	672	673	674	677	677	671	672	672	669	671	671	671	677	671	670	672	671	674	674	667	674	669	673	673	675	669	673	671	669	672	674	673	672	671	669	672	666	671	676	673	672	672	671	
JMJG	U002	675	673	679	675	669	677	674	672	681	673	674	675	674	674	678	676	677	671	676	673	675	675	674	670	673	672	672	674	673	675	676	672	678	669	679	677	673	675	673	676	673	679	674	669	678	672	673	673	
JMJG	U003	668	673	666	669	671	671	673	670	668	668	672	662	672	669	669	666	673	671	668	675	663	670	666	671	666	666	668	669	666	669	668	663	668	667	670	671	670	670	671	671	665	668	674	667	668	669	671	670	
JMJG	U004	972	963	900	843	838	840	841	839	841	841	837	842	842	839	841	837	837	861	922	972	975	975	970	973	973	975	971	973	973	972	975	974	972	973	971	973	977	972	972	970	972	972	972	974	973	973	973		
JMJG	U005	977	948	848	855	850	848	850	850	850	849	847	853	848	851	849	854	848	981	983	980	977	975	980	978	981	977	978	978	976	980	974	978	976	979	975	979	976	983	980	972	976	974	973	977	977	974	970	977	
PKLG	U003	277	277	278	275	182	150	147	149	150	150	151	148	149	149	149	149	149	242	284	286	281	277	276	276	278	277	277	279	277	278	278	203	205	206	234	268	277	279	272	271	272	271	272	272	274	274	274		
PKLG	U004	273	273	268	269	203	144	148	149	145	151	148	147	151	147	146	148	221	261	272	275	277	276	273	275	269	272	274	267	264	272	273	271	272	270	268	270	270	268	266	266	271	272	272	272	272	272			
PKLG	U006	449	447	449	447	449	447	447	450	450	450	448	449	447	447	447	447	447	447	447	447	447	449	449	449	447	448	449	447	449	448	449	449	447	449	447	449	450	450	449	450	446	449	449	448	447				
TBIN	U001	209	211	211	210	210	210	210	211	210	210	211	209	211	209	210	211	208	211	210	211	211	210	210	211	210	211	226	315	436	610	687	702	699	698	698	696	698	700	698	700	694	699	697	697	699	618	380		
TBIN	U002	212	211	212	212	210	210	211	211	211	210	211	210	213	211	211	212	211	209	210	211	212	212	211	210	212	210	212	211	211	211	212	211	211	212	211	211	211	211	211	211	212	209	212	209	212	209	212		
TBIN	U004	982	968	879	853	854	853	852	853	851	853	851	853	853	853	853	853	941	980	983	982	983	982	982	982	982	982	982	982	983	983	983	983	982	981	981	985	985	983	981	983	981	984	981	982	982	982	983	983	
Total ST-Coal		8322	8176	7776	7684	7514	7421	7426	7427	7434	7431	7421	7423	7430	7430	7426	7424	7430	8077	8269	8340	8340	8332	8326	8319	8324	8321	8317	8342	8420	8550	8717	8716	8728	8728	8774	8808	8812	8812	8811	8790	8807	8783	8799	8787	8791	8805	8713	8486	
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	0	20	31	86	113	111	200	201	203	199	200	201	201	201	204	206	362	362	361	366	361	356	361	359	359	360	361	361	361	358	361	362	360	357	356	361	360	364	358	362	360	357	358	353	359	345	360		
EMPP	BLK1	712	691	710	713	710	704	446	412	410	403	411	411	416	502	411	412	716	700	709	712	717	710	694	702	653	701	710	708	713	714	712	710	710	710	709	709	710	720	708	710	711	704	704	683	698	671	709		
EMPP	BLK2	712	691	713	714	710	702	705	654	597	585	614	645	703	696	640	656	716	695	709	712	717	709	689	706	663	700	709	709	713	714	711	710	709	709	709	706	709	710	719	708	710	710	700	707	685	698	670	711	
EMPP	BLK3	711	690	714	713	710	701	706	650	597	585	615	646	704	696	641	655	717	701	709	711	717	710	690	706	696	700	711	709	713	715	711	710	709	710	709	708	709	710	718	708	710	710	701	709	686	698	669	712	
GLGR	GT01	95	97	96	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT02	95	95	95	94	94	93	92	92	92	93	92	93	92	93	92	92	91	93	92	92	92	93	92	91	92	92	92	92	106	107	107	106	107	107	94	93	93	93	93	93	93	93	93	93	93	93	93		
GLGR	ST1C	89	89	89	83	40	41	41	41	40	41	41	41	41	41	41	41	41	40	41	41	40	41	41	41	41	40	41	41	47	47	47	47	47	47	42	42	42	42	41	41	41	41	41	41	42	41	41		
KLPP	GT13	106	66	66	70	67	66	66	66	66	67	66	67	67	67	66	67	72	66	67	109	140	142	143	142	94	72	72	74	139	139	140	140	140	140	139	139	139	138	139	139	140	140	140	139	139	140	141		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	62	153	154	156	156	157	156	133	135	135	140	157	157	157	158	152	158	159	159	76
KLPP	GT15	115	67	68	73	71	67	67	67	67	67	66	67	70	70	67	67	74	66	72	119	149	149	149	149	116	71	72	76	147	147	148	148	148	147	147	126	126	131	146	146	146	147	145	147	148	147	147		
KLPP	ST17	145	96	94	96	96	95	94	94	94	94	94	94	95	96	94	94	98	94	95	130	145	144	144	144	127	99	99	101	148	213	213	213	213	213	206	207	207	209	213	212	212	212	212	212	212	213	213	195	
NPRI	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK2	527	442	472	378	488	394	332	332	328	322	332	333	331	331	331	331	397	518	523	520	525	518	514	518	517	518	520	521	520	517	518	520	521	519	516	514	521	521	524	510	521	520	512	506	500	505	485	505	
PCGP	PGRG	600	592	598	607	606	598	603	604	595	588	600	605	601	600	602	603	615	601	603	604	614	602	593	598	599	601	601	607	602	616	595	604	609	601	591	597	605	604	618	594	601	601	595	563	585	598	564	602	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	33	78	124	158	337	337	337	222	221	334	338	336	336	336	335	337	333	334	337	335	336	335	340	337	336	336	334	336	334	223		
SPGP	BLK1	720	715	717	721	719	713	717	719	716	712	720	718																																					

Daily MW Generation on Monday

[illegible]

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	5	70	201	384	503	609	671	795	848	893	904	948	894	847	592	655	572	500	293	253	204	143	66	15	1	0	0	0	0	0	0	0			
ESTL	ESTL	15	17	18	22	24	21	19	24	23	24	21	17	5	16	16	19	15	20	16	19	14	19	14	16	15	16	17	18	19	14	13	19	17	14	16	18	12	16	12	17	16	17	15	15	15	14		
PCUF	CUFG	4	4	4	4	3	3	4	4	5	3	3	3	3	4	4	3	4	5	5	4	1	3	3	4	4	4	3	4	4	3	3	3	3	2	4	3	4	4	2	3	2	4	4	3				
PCUF	CUFK	7	8	9	8	7	7	7	7	7	8	7	8	7	8	7	8	11	12	13	12	11	10	11	10	11	11	11	11	11	12	10	11	12	8	10	10	11	10	11	12	11	9	11	10	11	11		
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	6	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	4	4	4	0	1		
Total Co-Gen		31	34	36	39	39	36	35	40	40	40	36	33	20	33	32	36	34	41	39	41	34	35	33	34	35	36	37	35	37	38	38	34	32	39	37	30	34	35	32	34	32	38	34	33	32	33	30	29
Total Gen		15289	14855	14492	14080	13886	13647	13430	13307	13205	13118	13226	13276	13400	13479	13274	13364	14014	15137	15721	16204	16593	16766	16888	16908	16724	16551	16596	17060	17513	17795	17954	17942	17930	17802	17362	16883	16615	16533	16724	16861	17218	17516	17480	17389	17083	16952	16687	16315
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		
TIE-HVDC		31	31	31	-30	-29	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-40	-30	-54	-59	-13	5	-10	-15	-5	-1	-24	-23	-42	-32	-22	-47	4	-44	2	60	109	-20	-6	26	-29	-52	-41	-99	-20	-86	-51	-84	-75	-27	-35	12	18	32	50	61	-25	-36	20	-26	8	7	8	-17
Interconnection		-9	1	-24	-89	-42	3	-10	-15	-5	-1	-24	-23	-42	-32	-22	-47	4	-44	2	60	109	-20	-6	-4	-53	-75	-64	-99	-20	-86	-51	-84	-75	-27	-35	12	18	32	50	61	-25	-36	20	-26	9	7	8	-17
System Total		15298	14854	14516	14169	13928	13644	13440	13322	13210	13119	13250	13299	13442	13511	13296	13411	14010	15181	15719	16144	16484	16786	16894	16912	16777	16626	16660	17159	17533	17881	18005	18026	18005	17829	17397	16871	16597	16501	16674	16800	17243	17552	17460	17415	17074	16945	16679	16332
SRev ST-Coal		335	481	701	721	747	744	744	747	736	745	751	755	747	751	747	753	741	475	387	315	317	326	330	337	332	337	339	330	341	526	360	306	362	362	303	269	264	264	265	285	270	362	346	290	283	272	349	341
SRev CCGT-Gas		647	907	787	1084	970	1113	1465	1595	1723	1783	1665	1613	1600	1536	1736	1692	1161	1127	920	566	388	425	319	259	459	666	666	550	321	195	234	220	217	230	263	617	819	837	605	469	243	232	276	302	475	395	571	1024
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	
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
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	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		554	554	741	591	741	741	741	741	590	741	741	741	741	741	439	741	842	842	842	655	554	554	741	741	464	615	428	277	277	302	302	277	126	277	615	741	741	741	615	428	151	151	151	277	615	464	615	
Hydro		276	285	183	259	262	262	261	260	392	265	261	262	260	258	258	521	169	164	160	223	298	331	431	236	271	398	243	389	449	241	248	311	289	355	615	380	267	255	241	333	403	360	364	416	476	276	421	247
S.Reserve Total		1899	2314	2499	2742	2807	2947	3298	3430	3528	3621	3505	3458	3435	3373	3569	3492	2899	2695	2396	2033	1745	1636	1634	1660	1890	1952	1950	1697	1388	1239	1144	1139	1145	1073	1458	1881	2091	2097	1852	1702	1344	1105	1137	1159	1511	1558	1805	2227