

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,175 MW
Distillate	0 MW
Total TNB	2,175 MW
Total IPP	16,359 MW
Total Co-Gen	0 MW
Total System	21,690 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,705	3.77 %
Gas	39,424	11.69 %
Total TNB	52,129	15.46 %
ST-Coal	207,185	61.43 %
LSS	6,048	1.79 %
Gas	72,611	21.53 %
Total IPP	285,844	84.75 %
Co-Gen	-504	-0.15 %
Total Co-Gen	-504	-0.15 %
Total Generation	337,469	100.05 %
PLTG	183	0.05 %
Interconnection	183	0.05 %
Net Energy	337,286	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,533 MW
TNB Generation	3,519 MW
IPP Generation	12,868 MW
Spinning Reserve	1,163 MW
Maximum Demand	16,271 MW
Net Energy	337,286 MWH
Load Factor	86.37 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	972
Hydro	343
Syncon	546
Thermal	384
Total	2,245

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	145
Total TNB	181
CBPS	42
EMPP	172
NPRI	137
PCGP	79
PLPS	54
SPGP	92
Total IPP	575
Total Gas	756
Total Gas Required	756

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	15322	14623	14088	13575	13174	12916	12814	12496	11917	12348	13006	13422	13521	13672	14065	14343	14633	14599	14218	14636	16012	16271	15972	15635

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 4, 2023 4:54:51 PM

(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	706	708	707	705	707	707	706	706	705	707	707	705	705	708	655	654	655	654	655	705	706	707	703	705	706	707	705	705	706	706	706	706	706	707	707	707																
JMAH	U002	706	706	706	703	706	703	706	704	707	706	709	702	705	700	706	669	655	655	654	655	706	709	703	709	706	700	707	706	704	708	704	708	704	706	703	706	709	700	703	704	705	705	706	706	705							
JMHE	U001	973	975	976	897	899	900	901	901	850	793	701	700	701	699	700	699	698	699	702	702	848	849	851	850	854	853	850	874	898	903	902	926	928	931	927	933	927	929	929	928	976	975	974	975	975	974	973	976				
JMHE	U002	498	502	499	498	500	500	500	498	500	500	501	502	496	500	496	498	498	500	500	503	499	500	502	500	500	503	499	498	498	500	499	501	497	502	500	501	500	493	499	498	498	497	498	501	495	494	499	499				
JMIG	U002	675	682	679	685	672	675	672	677	683	680	679	680	679	674	679	678	681	680	678	679	677	679	683	682	678	681	678	680	680	685	679	675	682	678	679	680	679	678	679	681	679	678	680	677	678	680	680	679				
JMIG	U003	670	669	671	665	668	673	668	667	668	667	668	671	671	668	666	674	654	669	665	600	601	605	611	676	673	672	673	683	666	673	681	673	672	672	671	669	672	672	672	665	678	673	675	668	673	673	672	670				
JMIG	U004	975	976	977	950	900	901	900	901	854	851	851	853	854	852	857	849	852	858	853	853	854	854	854	854	853	853	852	870	902	899	899	933	932	928	928	929	932	926	925	927	973	981	977	976	976	981	977	977	977			
JMIG	U005	981	983	985	908	902	900	899	900	852	848	848	851	851	850	850	849	848	848	849	849	851	850	851	849	853	848	851	871	899	905	903	932	933	930	933	930	931	933	929	931	976	978	979	978	976	980	977	976				
PKLG	U003	280	277	279	277	278	279	278	278	278	275	277	277	279	279	279	277	278	278	276	277	277	276	275	276	277	278	278	271	273	273	269	258	249	248	249	249	251	251	250	250	250	250	251	256								
PKLG	U005	464	470	466	468	466	467	460	467	468	466	468	464	469	468	474	468	467	466	468	468	466	468	467	462	464	466	462	467	470	466	466	468	468	465	468	466	466	468	467	468	467	466	467	467	466	467	466	467				
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TBIN	U001	698	699	701	698	689	700	696	698	696	693	700	649	650	650	600	546	550	500	500	498	562	705	655	465	325	289	193	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBIN	U003	694	698	698	695	696	697	694	693	694	698	697	693	687	598	602	550	549	503	500	498	554	687	695	690	695	699	695	695	702	695	699	692	703	695	698	698	693	704	693	694	696	697	687	697	694	691	693	691	691			
TBIN	U004	980	980	980	934	906	903	904	902	851	851	856	853	855	852	853	852	854	853	853	853	855	853	851	854	852	855	851	880	903	900	904	933	930	934	934	931	936	932	934	933	981	981	979	980	980	981	981	980	981			
Total ST-Coal		9300	9325	9324	9083	8987	9005	8985	8992	8807	8733	8662	8606	8597	8496	8464	8270	8239	8164	8151	8091	8458	8741	8706	8577	8437	8396	8296	8303	8295	8312	8325	8418	8508	8515	8514	8519	8545	8533	8560	8554	8764	8773	8815	8857	8852	8856	8850	8819				
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	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	0	0	0
CBPS	BLK2	360	255	221	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	222	221	252	296	296	296	296	221	221	222	222	307	359	359	359	360	359	359	358	361	361					
EMPP	BLK2	698	644	547	608	529	410	410	411	409	410	411	410	408	409	400	405	385	411	407	410	410	401	411	420	537	658	712	656	559	610	728	700	694	694	696	695	682	711	710	709	689	714	713	690	690	696	696	702	702			
EMPP	BLK3	702	658	547	607	532	411	410	412	409	406	411	410	409	410	402	404	385	411	408	409	409	400	411	420	536	657	713	657	549	609	726	699	694	695	692	695	682	709	709	710	689	714	713	690	689	696	703	703	703			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT02	94	94	93	94	94	94	94	94	94	94	94	94	94	94	94	94	95	95	95	95	95	95	95	95	95	95	95	95	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94		
GLGR	ST1C	42	41	41	41	41	41	40	41	42	41	42	41	42	41	42	41	42	41	42	42	42	41	42	42	42	42	41	42	42	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	
NPRI	BLK1	520	526	527	526	527	440	390	333	332	332	331	330	325	354	321	326	310	329	328	332	395	322	332	370	338	338	434	496	524	526	526	524	522	509	510	334	448	329	453	506	490	510	511	500	488	494	503	502	502			
NPRI	BLK2	509	515	525	524	526	439	385	328	322	324	328	322	319	349	315	320	302	323	321	328	383	317	328	348	340	338	427	489	525	524	528	515	512	514	516	327	315	324	438	508	488	521	519	491	491	491	488	491	491			
PCCP	PGRG	595	602	604	603	602	603	533	525	397	398	393	389	403	380	390	359	395	388	402	402	381	401	403	409	409	408	571	606	608	628	596	595	599	594	603	580	596	606	604	587	614	614	590	594	595	597	600	600				
PLPS	GT11	113	131	130	130	130	130	131	131	130	131	130	127	127	130	126	128	124	130	127	129	131	126	130	131	131	131	131	128	133	131	135	130	131	130	126	130	126	128	128	133	129	136	135	129	131	115	111	110				
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST18	56	61	60	58	58	59	58	58	58	59	58	58	59	56	56	57	58	57	57	58	58	58	57	58	59	58	59	58	58	58	58	57	59	133	140	185	209	206	209	209	208	208	208	198	133	131	131	131				
SPGP	BLK1	716	716	720	716	716	716	718	717	712	710	714	711	710	718	558	355	362	360	360	404	362	362	362	362	362	363	362	564	700	722	699	696	695	693	693	699	690	701	711	709	697	710	710	704	706	706	710	710	710			
TJGS	GT1A	225	127	126	0	0	0	0																																													

