

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,230 MW
Distillate	0 MW
Total TNB	2,230 MW
Total IPP	19,366 MW
Total Co-Gen	0 MW
Total System	25,598 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,323	4.10 %
Gas	42,825	10.76 %
Total TNB	59,148	14.86 %
ST-Coal	254,011	63.81 %
LSS	5,450	1.37 %
Gas	78,456	19.71 %
Total IPP	337,917	84.89 %
Co-Gen	184	0.05 %
Total Co-Gen	184	0.05 %
Total Generation	397,249	99.79 %
PLTG	-136	-0.03 %
EGAT	6	0.00 %
HVDC	-695	-0.17 %
Interconnection	-825	-0.21 %
Net Energy	398,074	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:	16:00:00 Hour
Total Set On Bus	19,960 MW
TNB Generation	2,794 MW
IPP Generation	15,457 MW
Spinning Reserve	1,715 MW
Maximum Demand	18,303 MW
Net Energy	398,074 MWH
Load Factor	90.62 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	770
Hydro	264
Syncon	720
Thermal	366
Total	2,120

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	41
Total TNB	94
CBPS	42
EMPP	253
NPRI	132
PCGP	82
SPGP	192
Total IPP	701
Total Gas	795
Total Gas Required	795

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Time Weather Temperature

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	16976	16149	15556	15107	14627	14362	14511	14396	14643	16206	17059	17572	17342	16958	17815	18187	18303	18034	16806	16826	17903	18012	17417	17155

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, August 9, 2023 8:33:40 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	555	484	403	406	403	405	404	509	556	552	556	555	555	556	609	605	606	604	695	695	696	694	696	697	695	694	696	697	696	696	697	697	698	476	349	353	356	460	652	656	656	602	505	402	351	225		
JMAH	U002	554	477	399	404	405	406	404	495	554	556	554	555	554	554	606	604	603	605	694	696	687	693	694	697	694	694	694	695	692	694	695	696	695	698	493	352	353	355	455	655	654	655	603	505	400	330	256	
JMHE	U001	970	970	975	967	968	969	912	915	916	923	920	915	920	919	924	921	925	921	921	965	974	971	970	970	974	967	970	974	981	970	973	975	973	969	972	972	975	976	976	974	973	977	975	975	971	976	973	977
JMHE	U002	977	974	980	975	979	977	918	918	921	922	916	920	920	924	923	922	920	924	954	978	976	976	975	975	976	977	980	975	975	979	976	975	977	974	978	976	980	977	975	978	974	976	975	977	974	975		
JMJG	U001	681	681	682	682	672	672	689	689	679	679	678	678	671	671	678	678	676	679	671	671	673	678	676	679	679	671	671	677	677	682	676	681	675	672	672	673	673	678	678	680	680	683	683	675	675	686	686	
JMJG	U002	676	676	673	673	677	677	678	678	678	678	676	676	677	677	673	673	675	674	673	673	678	674	673	677	675	675	673	673	677	677	678	676	673	673	674	674	674	673	673	677	677	674	674	675	675	677	677	
JMJG	U003	667	667	673	673	671	671	667	667	672	672	673	673	681	681	673	673	669	667	671	671	666	667	673	667	668	668	668	668	670	670	675	667	671	667	673	673	668	668	663	663	667	667	671	671	667	667	670	670
JMJG	U004	977	970	975	972	971	977	952	920	918	921	914	922	921	920	918	921	918	919	926	963	977	978	974	976	976	980	978	974	976	975	978	975	978	976	973	974	982	977	977	976	974	976	977	977	973	971		
JMJG	U005	978	978	979	980	983	979	981	981	977	983	980	921	923	921	923	922	925	921	915	982	980	983	983	983	978	979	978	981	985	979	982	982	987	980	979	980	981	980	983	986	983	982	979	978	977	982	980	981
PKLG	U003	148	149	151	151	151	151	150	151	150	152	150	152	150	150	151	150	150	150	150	150	150	150	150	149	150	150	150	151	150	151	150	149	151	150	150	150	150	149	149	150	150	150	150	150	150	150	150	
PKLG	U004	148	150	150	150	151	152	143	148	148	152	151	149	150	150	150	149	150	149	150	143	145	151	149	151	151	148	154	147	151	148	144	149	150	152	151	148	150	147	152	150	149	151	158	156	154	153	153	
PKLG	U005	269	269	270	269	269	270	269	269	268	270	269	268	270	269	269	269	268	269	268	269	267	268	269	271	269	269	269	269	268	270	268	268	269	269	270	271	269	268	267	270	267	271	272	270	269	268	270	
TBIN	U001	689	685	689	689	689	691	688	689	689	688	691	687	689	689	691	689	689	689	691	689	690	691	691	679	686	685	690	692	688	688	689	691	691	689	688	688	642	550	557	692	691	690	690	690	689	690	690	693
TBIN	U002	691	691	692	692	693	692	690	691	688	692	690	691	691	690	691	694	691	691	691	692	691	691	692	691	690	688	691	691	692	690	690	691	691	691	692	691	636	551	556	694	694	690	689	688	692	687	690	691
TBIN	U003	691	686	687	687	686	685	689	690	687	687	685	689	687	688	688	689	688	689	685	690	688	685	685	686	685	689	688	686	686	687	685	688	688	687	689	683	637	580	556	678	687	690	687	685	690	689	686	689
TBIN	U004	984	982	983	983	985	980	957	923	922	925	920	924	926	924	922	922	924	924	923	984	983	984	982	982	985	985	984	981	983	982	984	984	984	984	980	979	983	983	983	984	982	984	982	984	981	984	981	981
Total ST-Coal		10655104891036110353103531035410191103331042410450104241037710384103761038610488104801047110464108921093110923109311092310937109291092010931109541092810951109381095210928109361050010099 9863 9858 104591085910866108611076510555103541023210045																																															
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	262	221	220	222	220	221	221	221	220	220	222	222	221	222	221	222	221	221	221	221	221	221	221	221	222	222	222	222	222	231	356	360	295	222	221	268	355	359	360	359	358	245	359	326	360			
EMPP	BLK1	686	707	511	572	410	375	375	371	375	377	365	370	375	374	374	354	380	380	474	430	528	663	566	570	410	405	393	549	713	699	696	687	710	709	683	669	671	703	718	709	706	710	709	712	709	710	689	710
EMPP	BLK2	685	711	510	574	411	374	373	369	375	375	363	369	374	373	373	353	379	379	482	427	534	666	578	568	409	404	393	548	715	708	696	686	710	707	684	670	671	706	715	710	710	708	713	707	711	689	710	
EMPP	BLK3	704	709	709	374	374	374	369	375	376	363	369	374	373	373	353	379	379	375	376	374	372	710	710	711	367	358	374	378	707	710	705	710	709	704	692	694	709	715	710	710	710	709	712	708	711	705	710	
GLGR	GT01	65	66	68	67	66	67	67	66	66	67	65	66	66	68	66	65	67	67	67	95	107	108	107	106	106	107	105	107	107	106	106	107	107	105	106	106	107	107	106	108	108	105	106	107	105	65		
GLGR	GT02	67	67	67	67	67	67	66	67	67	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	66	66	66	66	66		
GLGR	ST1C	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	71	70	84	97	97	96	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	96	97							

Daily MW Generation on Thursday

[illegible]

Daily MW Generation on Thursday

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 Co-Gen		41	7	11	10	9	11	9	15	21	17	20	18	7	4	10	11	6	-4	-1	-6	2	-1	-7	-9	-8	-7	-7	-1	-4	-5	-6	-13	-6	-3	-4	-24	-1	12	18	23	19	22	24	27	28	22	26	36
Total Gen		16979	16615	16094	15878	15510	15372	15075	14796	14595	14457	14352	14341	14465	14542	14365	14351	14614	15598	16165	16631	17024	17277	17547	17612	17349	17086	16946	17302	17766	18031	18143	18110	18245	18151	18008	17308	16769	16442	16773	17525	17857	17871	17962	17769	17361	17385	17109	16808
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	0
TIE-HVDC		-28	-28	-28	-28	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-30	-29	-28	-31	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-31	-31	-28	-28	-30	-30	-30	-30	-30	-30	
TIE-PLTG		31	19	-27	-19	-17	4	-4	14	-4	4	18	23	-18	7	-2	23	-1	13	-12	-12	-6	-27	6	33	37	19	16	-20	-21	-41	-15	-23	-29	-18	3	4	-9	-25	-25	5	-15	-21	-22	-20	-27	-36	-16	-21
Interconnection		3	-9	-55	-47	-46	-24	-32	-14	-32	-25	-10	-5	-46	-20	-31	-6	-29	-15	-41	-42	-35	-55	-25	3	7	-10	-12	-49	-49	-70	-44	-52	-58	-47	-26	-24	-37	-53	-53	-24	-46	-51	-50	-48	-56	-66	-46	-52
System Total		16976	16624	16149	15925	15556	15396	15107	14810	14627	14482	14362	14346	14511	14562	14396	14357	14643	15613	16206	16673	17059	17332	17572	17609	17342	17096	16958	17351	17815	18101	18187	18162	18303	18198	18034	17332	16806	16495	16826	17549	17903	17922	18012	17817	17417	17451	17155	16860
SRev ST-Coal		444	465	439	448	450	448	603	662	677	656	681	726	719	726	721	719	723	732	738	362	317	323	323	329	319	324	331	325	296	324	301	308	299	326	321	466	595	630	621	447	394	384	395	444	456	447	446	432
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 CCGT-Gas		754	923	1317	1523	1892	2035	2184	2586	2831	2833	2907	2866	2776	2756	2858	2961	2789	1932	1700	1747	1486	1217	1068	1078	1403	1783	1900	1465	976	508	473	520	372	244	360	553	619	680	346	200	289	263	176	281	475	248	401	360
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 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	1	0	1	-1	-1	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	-1	0	0	-1	0	1	0	-1
Syncon		764	764	764	764	764	676	676	676	676	764	676	764	676	613	764	676	764	676	613	764	676	764	764	764	613	613	676	764	764	613	764	764	764	764	764	764	676	764	525	676	676	676	525	676	676	676	676	676
Hydro		132	127	217	218	129	128	111	136	189	346	355	357	471	252	343	373	328	461	125	128	128	128	126	129	270	367	215	124	128	323	197	193	192	194	204	212	165	148	283	164	186	179	325	179	175	180	83	
S.Reserve Total		2181	2366	2737	2954	3322	3462	3747	4233	4547	4686	4793	4800	4665	4584	4772	4904	4689	3824	3414	3087	2782	2519	2370	2384	2702	3077	3211	2768	2247	1811	1797	1876	1715	1613	1726	2075	2278	2325	1966	1629	1609	1596	1513	1661	1873	1634	1790	1724