

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,877 MW
Distillate	0 MW
Total TNB	1,877 MW
Total IPP	16,869 MW
Total Co-Gen	0 MW
Total System	22,400 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,056	4.83 %
Gas	56,381	14.29 %
Total TNB	75,437	19.12 %
ST-Coal	213,562	54.13 %
LSS	5,982	1.52 %
Gas	98,310	24.92 %
Total IPP	317,854	80.56 %
Co-Gen	523	0.13 %
Total Co-Gen	523	0.13 %
Total Generation	393,814	99.81 %
PLTG	-36	-0.01 %
EGAT	6	0.00 %
HVDC	-705	-0.18 %
Interconnection	-735	-0.19 %
Net Energy	394,549	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:	16:30:00 Hour
Total Set On Bus	19,499 MW
TNB Generation	4,212 MW
IPP Generation	14,261 MW
Spinning Reserve	1,015 MW
Maximum Demand	18,544 MW
Net Energy	394,549 MWH
Load Factor	88.65 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	641
Hydro	346
Syncon	355
Thermal	156
Total	1,498

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	141
Total TNB	188
CBPS	43
EMPP	272
NPRI	144
PCGP	82
PLPS	62
SGRI	38
SKSP	13
SPGP	193
Total IPP	847
Total Gas	1,034

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,034

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	16184	15355	14831	14299	13954	13721	13985	13895	14469	16022	16850	17405	17239	17130	17840	18229	18544	18148	17129	17354	18276	18169	17729	17364

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 30, 2023 1:13:57 PM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Tuesday

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	694	696	696	695	697	695	695	695	692	699	695	695	697	695	695	693	697	692	692	696	695	694	693	696	696	692	699	695	696	697	697																		
JMAH	U002	693	695	697	693	694	695	695	694	694	695	698	695	694	696	694	694	697	695	695	693	694	694	694	694	698	695	695	699	696	694	673																		
JMHE	U001	897	901	898	899	901	899	899	900	902	900	900	900	901	897	903	900	899	900	901	900	900	902	902	896	900	899	898	899	897	901	899	900	904																
JMHE	U002	972	975	899	898	902	898	902	901	900	901	899	900	902	902	900	901	959	978	976	980	979	975	976	978	979	975	972	975	975	970	969	969	975																
JMJG	U001	671	678	667	676	668	667	672	676	672	673	672	673	671	681	673	677	667	667	672	668	671	672	668	671	675	672	666	662	674	668	677	672	682																
JMJG	U002	677	674	678	677	675	676	674	679	673	671	678	678	673	679	675	673	676	673	678	676	676	676	676	676	671	675	675	678	677	678	679	677	680																
JMJG	U003	670	679	673	672	672	669	673	670	662	673	678	671	673	671	672	667	673	668	673	669	670	673	673	672	668	677	674	671	672	670	675	677	667																
PKLG	U003	278	277	276	278	278	276	276	275	264	175	159	161	157	153	154	154	208	277	273	276	280	280	279	278	284	278	277	277	278	276	264	269	272																
PKLG	U004	271	273	271	275	275	271	270	277	266	203	144	147	147	149	149	191	249	278	277	274	274	275	274	278	271	274	283	280	281	275	276	275	274																
PKLG	U005	350	350	350	350	350	350	350	350	350	250	233	238	224	260	260	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
TBIN	U001	689	692	689	689	688	689	690	690	650	650	689	689	689	685	690	690	690	689	686	689	686	690	689	688	685	689	690	689	683	689	690	689	690																
TBIN	U002	687	685	688	687	689	685	689	689	661	651	692	689	694	688	690	689	689	690	692	688	687	685	696	689	691	692	688	687	689	687	689	689	688																
TBIN	U003	684	686	686	684	686	685	687	687	651	651	689	687	688	689	687	688	688	689	688	687	690	688	687	688	690	689	688	688	689	688	689	685	685																
TBIN	U004	979	984	946	902	903	903	904	903	902	901	904	903	904	904	903	905	944	983	984	981	982	983	982	983	983	984	982	983	983	984	982	982	984																
Total ST-Coal		9212	9245	9114	9075	9078	9058	9076	9086	8941	8791	8747	8718	8725	8715	8747	8741	8841	8796	8885	8876	8886	8891	8892	8882	8891	8894	8896	8883	8881	8888	8894	8897	8892	8895	8897	8872	8867	8865	8873	8871	8875	8879	8863	8860	8873	8862	8875	8871	
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
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	204	210	211	211	210	210	207	211	211	211	210	212	212	211	211	211	213	214	214	217	316	317	218	211	212	309	365	365	365	365	366	366	368	275	205	211	212	361	360	361	365	359	357	355	347	211			
EMPP	BLK1	683	581	512	439	411	410	410	413	411	437	411	412	410	445	414	422	444	499	609	670	684	719	681	683	652	685	664	710	720	710	720	711	711	711	711	709	689	650	709	710	704	708	714	708	691	685	685	418	
EMPP	BLK2	680	581	510	441	411	410	409	411	411	438	412	411	411	444	412	422	438	493	610	674	685	719	685	686	654	684	664	709	720	709	720	711	710	710	711	709	689	651	709	711	710	709	713	710	690	688	684	710	
EMPP	BLK3	683	581	510	443	410	411	409	412	412	440	411	411	410	443	412	425	444	493	612	671	685	719	679	682	655	684	661	711	720	709	720	710	710	712	709	689	650	708	712	710	709	714	709	690	686	680	710		
GLGR	GT01	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	54	90	106	105	106	106	107	106	107	106	107	106	106	106	106	106	105	76	96	105	104	103	104	103	102	103	104	104	
GLGR	GT02	85	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	100	100	106	106	106	106	106	106	106	105	105	106	105	106	106	106	106	106	74	97	103	104	103	103	103	104	103	104	103	
GLGR	ST1C	73	41	41	41	42	41	42	42	42	42	42	42	41	41	41	41	42	41	41	40	46	43	96	96	97	97	96	96	97	97	98	97	98	97	98	97	98	97	82	86	94	93	93	94	94	93	93	94	
NPRI	BLK1	297	307	309	308	307	307	304	310	308	308	307	309	305	309	310	309	309	514	515	518	517	519	511	513	512	513	514	513	522	512	517	514	512	512	510	514	504	514	514	514	512	512	517	510	506	504	502	512	
NPRI	BLK2	518	329	330	329	331	329	325	331	331	330	328	330	326	331	331	329	330	508	530	533	533	535	527	529	528	529	529	532	528	528	529	529	529	529	529	529	521	529	529	530	527	528	533	526	524	520	519	529	
PCGP	PGRG	580	598	602	502	400	399	392	402	401	403	396	402	397	402	400	402	600	603	608	610	619	600	602	601	603	603	602	620	601	619	603	602	600	599	602	585	602	604	608	599	602	614	594	590	585	586	601		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	150	150	149	148	147	147	146	147	146	146	147	147	147	145	147	148	148	148	148	147	146	145	143	148					
PLPS	GT13	123	124	125	124	125	125	124	125	124	124	124	124	124	125	124	124	124	120	123	122	127	122	122	123	122	123	124	127	122	122	123	122	123	122	123	123	123	124	123	123	122	123	122	120	119	119	122		
PLPS	ST18	59	59	58	58	58	58	58	59	58	58	58	58	59	58	58	59	60	81	142	143	142	142	142	142	142	141	140	141	142	141	141	141	141	141	140	141	142	141	141	141	141	141	141	139	140	141			
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	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
SGRI	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
SGRI	ST14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKSP	BLK1	220	220	220	221	221	220	220	220	219	220	220	220	220	199	83	6	0	0	0	0	0	0	0	0	0	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	BLK1	719	719	719	718	719	601	499	362	361	363	360	361	498	501	498	499	649	716	718	716	717	717	713	718	718	717	717	718	729	718	728	719	718	717	713	718	709	717	716	718									

Daily MW Generation on Tuesday

[illegible]

Daily MW Generation on Tuesday

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																									
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	10	24	29	29	30	29	29	29	29	30	29	19	13	19	12	4	2	1	1	1	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	2	8	17	19	15	20	31	41	22	47	50	31	45	48	36	25	21	22	8	15	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	44	63	49	25	84	49	94	89	94	65	91	95	95	73	50	43	40	48	36	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	18	28	54	49	50	102	86	76	41	95	68	74	68	53	63	69	43	27	22	12	4	2	0	0	0	0	0	0	0	0	0	0	0	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	8	16	34	38	28	43	24	21	20	37	43	6	40	41	35	33	39	27	10	12	3	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	1	6	12	18	20	29	40	45	49	35	33	30	48	25	39	25	48	36	15	10	8	5	3	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	1	3	8	10	24	30	35	39	42	44	44	41	41	45	45	35	28	15	8	12	7	7	2	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	11	12	15	16	12	26	17	13	14	15	18	17	12	12	8	4	1	1	0	0	0	0	0	0	0	0	0	0	0			
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	24	26	30	30	30	19	20	23	24	16	6	24	30	30	17	23	11	7	3	1	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	25	111	252	343	490	621	690	852	838	920	730	787	818	702	809	642	657	561	402	337	205	126	54	3	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	-11	-17	-14	-15	-17	-19	-20	-14	-10	0	0	0	0	-8	3	9	7	8	9	1	9	16	13	10	6	10	6	0	0	11	10	7	10	8	13	12	0	0	0	0	0	0	0	0	2	0	11		
KHTC	BLK1	-29	-30	-27	-27	-25	-25	-28	-25	-24	-24	-23	-23	-30	-31	-31	-31	-36	-38	-40	-42	-42	-44	-48	-37	-42	-46	-45	-48	-51	-51	-46	-42	-41	-38	-38	-33	-38	-36	-34	-33	-33	-33	-34						
PCUF	CUFG	27	26	28	28	27	28	28	29	28	29	28	28	28	28	28	28	28	28	29	29	27	27	28	26	27	27	26	27	27	27	27	28	28	29	26	27	28	29	26	27	28	27	25	26	26	24	25		
PCUF	CUFK	16	15	15	14	15	15	15	16	16	16	15	16	15	16	14	15	15	16	15	16	14	15	15	16	15	14	14	16	15	16	14	15	15	13	15	13	15	14	15	13	15	14	14	16					
PFTZ	PFTZ	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13			
Total Co-Gen		16	7	15	13	13	12	11	15	23	33	34	33	33	29	29	20	34	34	32	34	37	19	26	32	28	26	18	17	23	14	8	22	16	11	13	15	25	27	19	14	22	17	19	17	21	22	18	31	
Total Gen		16190	15703	15334	15067	14794	14516	14284	14066	13921	13862	13719	13707	13964	14079	13869	13840	14423	15411	15983	16445	16857	17108	17425	17433	17182	17098	17122	17504	17767	18085	18190	18312	18500	18484	18123	17624	17078	16836	17322	18211	18252	18228	18117	18003	17689	17543	17324	16913	
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		-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-28	-28	-31	-31	-29	-29	-28	-28	-30	-30	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-29	-29	-30	-29	-30	-29	-28	-28	-30	-30	-30	-28				
TIE-PLTG		35	18	9	8	-8	15	14	2	-4	25	27	2	7	-7	4	-14	-16	14	-10	7	35	31	50	17	-28	-6	21	13	-44	-30	-9	-20	-15	-31	5	-27	-21	-22	-4	-9	5	-10	-24	-1	-13	-13	-10	-38	
Interconnection		6	-12	-21	-20	-37	-14	-15	-27	-33	-5	-2	-26	-21	-37	-26	-43	-46	-15	-39	-21	7	1	20	-12	-57	-36	-8	-17	-73	-61	-39	-50	-44	-60	-25	-56	-51	-51	-32	-39	-24	-39	-52	-29	-40	-43	-40	-66	
System Total		16184	15715	15355	15087	14831	14530	14299	14093	13954	13867	13721	13733	13985	14116	13895	13883	14469	15426	16022	16466	16850	17107	17405	17445	17239	17134	17130	17521	17840	18146	18229	18362	18544	18544	18148	17680	17129	16887	17354	18250	18276	18267	18169	18032	17729	17586	17364	16979	
SRev ST-Coal		179	146	276	315	313	331	315	305	450	463	369	377	366	364	343	349	346	237	156	165	155	150	149	159	150	147	145	158	160	153	147	144	149	146	144	169	174	176	168	170	166	162	178	181	168	179	166	170	
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		
SRev CCGT-Gas		1304	1684	1882	2196	2381	2626	2855	3088	3095	3015	3112	3097	2841	2737	2960	2704	2345	1454	1083	1037	878	791	736	731	933	848	907	539	461	629	489	549	402	335	538	707	894	1222	834	446	404	387	526	585	692	777	920	1201	
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 Co-Gen		-2	-1	0	1	0	0	0	0	0	0	-1	0	0	1	-1	-1	0	2	0	0	0	0	0	-1	0	0	0	-1	1	0	-1	0	-1	0	0	0	0	0	0	0	1	-2	1	0	0	0	1		
Syncon		615	615	615	464	615	552	703	703	703	703	703	703	703	552	703	615	703	552	703	615	703	428	428	615	552	464	615	516	428	428	277	305	302	302	428	516	703	428	151	0	0	0	0	151	151	277	277		
Hydro		135	123	171	359	174	249	118	117	118	117	120	117	123	249	117	112	114	112	240	112	113	73	236	250	112	242	251	205	200	186	111	358	259	232	329	323	500	398	413	379	543	583	547	577	650	614	539	463	
S.Reserve Total		2318	2654	3031	3422	3570	3845	4078	4300	4453	4385	4390	4381	4120	3990	4209	3954	3594	2595	2118	2104	1935	1804	1636	1654	1984	1876	1941	1603	1338	1483	1174	1328	1114	1015	1312	1627	2108	2499	1867	1146	1113	1133	1249	1344	1661	1721	1989	2199	