

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,176 MW
Distillate	0 MW
Total TNB	2,176 MW
Total IPP	17,104 MW
Total Co-Gen	0 MW
Total System	22,988 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,975	5.04 %
Gas	55,898	14.86 %
Total TNB	74,873	19.90 %
ST-Coal	209,426	55.67 %
LSS	5,720	1.52 %
Gas	86,076	22.88 %
Total IPP	301,222	80.07 %
Co-Gen	-672	-0.18 %
Total Co-Gen	-672	-0.18 %
Total Generation	375,423	99.79 %
PLTG	-83	-0.02 %
EGAT	6	0.00 %
HVDC	-711	-0.19 %
Interconnection	-788	-0.21 %
Net Energy	376,211	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:	20:00:00 Hour
Total Set On Bus	18,482 MW
TNB Generation	4,545 MW
IPP Generation	12,861 MW
Spinning Reserve	1,093 MW
Maximum Demand	17,428 MW
Net Energy	376,211 MWH
Load Factor	89.94 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	807
Hydro	353
Syncon	613
Thermal	194
Total	1,967

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	4
TJGS	132
Total TNB	166
CBPS	45
EMPP	280
KLPP	2
NPRI	136
PCGP	86
SPGP	205
Total IPP	755
Total Gas	921

Total Gas Required 921

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	16663	15910	15362	14834	14456	14057	14078	13650	13252	14320	15150	15809	15619	15471	16099	16427	16634	16478	16181	16800	17428	17335	17093	16765

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 30, 2023 11:45:40 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	697	695	693	695	697	695	696	695	696	696	696	697	695	696	696	695	695	695	695	696	695	694	696	699	695	697	696	694																					
JMAH	U002	695	696	693	693	695	696	694	696	696	693	693	695	695	696	694	696	694	696	694	695	695	697	696	695	697	695	694	694																					
JMHE	U002	977	979	979	978	980	979	976	982	976	984	977	977	966	881	880	882	877	878	908	933	932	976	975	973	981	977	979	976																					
JMJG	U001	667	671	663	673	672	667	670	662	662	672	667	668	666	655	664	679	662	680	667	672	681	662	682	643	682	666	677	667	669																				
JMJG	U002	287	288	230	192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																					
JMJG	U003	672	667	671	669	677	668	671	670	673	672	666	673	669	672	673	668	673	669	673	673	671	672	671	671	669	666	672	667	657																				
JMJG	U005	980	977	978	977	981	978	977	983	978	980	980	978	967	877	878	879	877	878	914	929	939	966	977	974	980	985	977	969	979																				
PKLG	U003	280	280	279	280	278	278	274	276	278	279	276	278	278	277	277	278	279	276	277	276	278	277	277	278	278	278	278	276	279																				
PKLG	U004	277	274	272	273	274	268	266	271	269	275	272	273	275	272	271	273	273	272	274	274	272	272	277	272	276	274	276	273	275																				
PKLG	U005	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470																				
TBIN	U001	688	689	683	689	690	691	691	685	688	692	689	690	689	689	691	688	690	689	688	687	689	689	688	691	689	689	689	689	689																				
TBIN	U002	690	687	689	694	690	689	686	687	689	694	689	689	690	689	691	693	691	685	691	689	689	689	690	687	690	694	693	688	684																				
TBIN	U003	685	687	685	686	688	686	684	687	686	688	687	689	685	686	687	686	688	688	687	688	687	685	687	687	686	683	685	687	684																				
TBIN	U004	984	984	986	982	983	983	984	983	980	985	982	982	981	938	894	885	884	884	897	934	935	980	981	980	982	984	983	982	985																				
Total ST-Coal		9049	9044	8971	8951	8775	8748	8739	8747	8740	8780	8743	8758	8728	8499	8471	8471	8452	8453	8539	8613	8634	8730	8756	8721	8771	8765	8768	8734	8687	8735	8745	8740	8763	8756	8752	8766	8730	8757	8746	8773	8739	8761	8716	8716	8678	8708	8703	8737	
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	358	364	225	211	212	211	203	210	199	215	212	211	215	213	206	208	206	208	208	214	213	211	212	213	212	211	212	211	340	360	355	360	362	365	360	361	362	362	362	361	362	361	363	365	361	360	360	352	
EMPP	BLK1	693	710	715	709	711	706	681	616	584	433	411	411	438	444	407	407	409	410	409	473	586	631	706	710	610	545	599	709	714	696	696	697	710	715	700	710	709	695	702	711	709	710	707	715	710	707	693	680	
EMPP	BLK2	694	710	714	709	709	705	682	611	579	429	409	411	438	444	408	407	409	411	408	477	587	632	710	711	611	553	602	709	714	697	686	702	710	715	712	709	711	696	706	711	707	709	709	715	711	707	692	680	
EMPP	BLK3	690	710	716	709	709	705	682	612	585	432	410	411	443	444	407	408	408	411	408	477	581	628	710	711	610	554	603	709	714	697	687	702	710	714	710	710	711	695	706	711	707	709	709	715	711	706	691	680	
GLGR	GT02	94	94	94	94	94	94	94	95	95	95	95	95	95	95	94	95	95	94	94	94	95	95	94	95	95	94	108	107	94	95	107	107	108	94	95	107	108	107	107	107	107	107	107	107	107	107	107		
GLGR	ST1C	42	42	42	41	42	42	42	42	41	42	41	42	41	42	42	42	42	41	41	41	41	41	41	41	42	42	42	41	41	46	47	42	42	42	47	47	42	41	45	47	47	47	47	47	47	46	46		
KLPP	GT15	110	116	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	63	62	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	BLK1	508	515	402	445	512	512	329	307	295	313	310	309	313	310	300	304	302	304	304	313	307	308	308	310	308	308	307	322	517	512	504	511	514	517	511	514	514	512	512	512	514	512	514	518	511	510	511	500	
NPRI	BLK2	514	521	426	518	467	332	317	331	315	336	331	332	343	332	322	327	322	326	326	337	329	329	348	391	330	331	329	486	524	508	500	517	518	523	515	517	520	519	519	518	519	518	518	524	518	515	517	506	
PCGP	PGRG	594	606	614	602	604	603	581	596	571	564	552	551	463	610	478	392	391	390	593	610	599	602	602	609	604	603	601	599	615	600	585	599	604	610	596	600	605	601	603	604	604	605	604	616	600	596	598	577	
SPGP	BLK1	719	717	717	719	719	720	718	720	718	719	719	719	718	718	719	502	500	720	717	719	716	714	714	708	705	720	702	695	695	701	688	698	697	697	693	696	705	706	708	710	710	709	711	717	717	714	711	703	
SPGP	BLK2	714	712	712	713	714	715	713	711	714	709	710	712	711	712	715	503	502	707	707	708	708	705	705	702	700	713	700	696	693	699	683	692	690	689	693	696	696	698	700	703	706	705	704	711	709	707	704	689	
TJGS	GT1A	225	125	125	125	135	133	133	139	126	137	135	134	138	133	136	139	136	141	134	138	134	137	136	139	141	139	135	140	142	142	198	223	223	223	224	223	223	224	224	221	222	224	224	222	224	223	222	219	
TJGS	GT1B	211	113	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	187	214	211	213	211	213	213	209	211	211	210	209	209	215	210	208	207			
TJGS	ST1C	249	167	90	72	78	79	79	78	77	78	78	79	79	79	77	77	78	79	79	79	79	79	80	80	79	79	80	80	83	83	192	249	250	250	250	250	250	250	250	250	251	251	251	251	250	250	250		
TJGS	GT2A	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2B	128	234	161	161	161	161	162	161	162	162	162	162	162	160	161	162	161	160	161	161	159	162	161	161	162	162	160	161	161	221	221	161	221	221	1277														

Daily MW Generation on Saturday

[illegible]

Daily MW Generation on Saturday

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																									
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	18	23	25	31	20	45	46	53	53	55	52	46	45	45	41	35	29	22	14	7	2	0	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	2	4	9	12	25	30	35	39	42	43	40	41	15	33	13	15	28	7	4	1	2	1	1	0	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	1	3	7	20	25	18	16	10	20	23	12	25	25	22	21	4	0	1	3	1	0	0	0	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	2	7	14	21	19	27	30	28	23	30	30	31	30	18	20	30	30	24	23	17	11	5	1	0	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	44	139	281	426	524	660	775	800	821	884	953	791	674	603	604	610	607	390	334	274	173	63	19	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	-33	-34	-30	-35	-41	-35	-40	-46	-39	-37	-40	-36	-29	-31	-34	-34	-41	-35	-36	-32	-37	-36	-36	-32	-36	-38	-39	-38	-34	-38	-40	-52	-49	-45	-45	-35	-36	-40	-37	-35	-36	-38	-37	-40	-30	-30	-29	-28	
KHTC	BLK1	-28	-26	-26	-25	-25	-24	-23	-26	-23	-21	-22	-23	-21	-20	-20	-20	-21	-24	-26	-29	-34	-33	-37	-37	-38	-38	-39	-38	-39	-36	-39	-36	-32	-31	-30	-32	-33	-31	-33	-28	-26	-25	-26	-26	-27	-26	-27	-27	
PCUF	CUFG	17	17	18	17	18	18	18	18	18	18	19	20	19	20	19	18	17	17	18	16	17	14	15	14	17	15	16	15	14	15	15	20	20	22	22	24	25	26	25	23	26	22	15	21	20	23			
PCUF	CUFK	15	15	16	14	15	15	14	15	14	16	16	16	15	14	15	16	15	14	15	15	14	16	14	13	16	13	15	15	14	15	13	14	16	15	15	13	14	16	16	14	16	13	16	14	16	15	15		
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			
Total Co-Gen		-25	-24	-18	-25	-29	-22	-27	-35	-26	-19	-24	-19	-12	-13	-16	-15	-25	-24	-26	-24	-37	-32	-41	-37	-40	-42	-44	-41	-40	-41	-48	-55	-46	-37	-36	-28	-29	-27	-25	-19	-17	-23	-17	-26	-22	-17	-17	-13	
Total Gen		16667	16385	15873	15605	15318	15146	14814	14640	14450	14151	14012	14019	14035	13945	13616	13149	13211	13823	14261	14694	15132	15489	15781	15845	15542	15445	15426	15747	16033	16361	16424	16511	16597	16683	16479	16289	16164	16089	16772	17382	17389	17422	17308	17296	17075	16926	16750	16497	
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		-30	-28	-30	-28	-31	-31	-31	-29	-29	-29	-29	-28	-31	-30	-31	-28	-28	-30	-30	-31	-29	-31	-29	-31	-29	-30	-31	-31	-28	-31	-30	-28	-30	-31	-31	-29	-29	-28	-28	-28	-30	-29	-31	-30	-31	-30	-31		
TIE-PLTG		34	4	-7	-37	-14	-6	10	5	22	-33	-16	-22	-15	-2	-4	-23	-13	-2	-29	-32	13	-19	4	4	-46	-26	-14	-5	-36	-13	28	13	-6	1	29	19	13	-9	0	0	-12	28	1	-9	10	23	14	11	
Interconnection		4	-24	-37	-65	-44	-37	-20	-23	-6	-62	-45	-51	-43	-32	-34	-54	-41	-30	-59	-62	-18	-47	-28	-24	-77	-54	-45	-34	-66	-44	-3	-15	-37	-29	1	-11	-17	-40	-28	-29	-39	0	-27	-38	-18	-7	-15	-19	
System Total		16663	16409	15910	15670	15362	15183	14834	14663	14456	14213	14057	14070	14078	13977	13650	13203	13252	13853	14320	14756	15150	15536	15809	15869	15619	15499	15471	15781	16099	16405	16427	16526	16634	16712	16478	16300	16181	16129	16800	17411	17428	17422	17335	17334	17093	16933	16765	16516	
SRev ST-Coal		172	177	250	170	146	173	182	174	181	141	178	163	193	380	404	397	408	409	380	308	287	191	165	200	150	156	153	187	148	186	176	181	158	165	169	155	191	164	175	148	182	160	205	165	153	123	148	184	
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	81	3	1	0	1	53	0	0	0	0	
SRev CCGT-Gas		586	555	1039	686	627	776	1078	1266	1431	1832	1918	1916	1896	1758	2022	2521	2533	2091	1905	1652	1359	1220	966	912	1284	1439	1326	841	467	491	483	380	260	212	438	437	487	532	257	231	233	234	229	198	216	250	298	414	
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	0
SRev Co-Gen		0	-1	0	0	0	0	0	0	0	1	0	0	-1	2	0	0	0	0	0	-1	0	1	0	0	0	0	0	0	-1	-2	0	0	0	-2	0	2	0	0	0	0	0	0	0	0	0	0	-1	0	
Syncon		890	890	739	890	890	802	890	651	890	890	890	802	890	739	802	890	890	739	890	890	802	890	890	890	890	890	651	890	802	739	739	739	313	277	277	739	890	890	615	0	0	0	0	187	187	374	374	651	
Hydro		134	107	221	91	114	118	133	271	146	91	102	118	98	247	131	143	135	260	86	80	79	78	81	61	102	105	228	92	84	217	212	213	488	432	569	195	128	143	529	638	675	659	740	606	703	593	441	252	
S.Reserve Total		1869	1815	2336	1924	1864	2043	2370	2536	2735	3042	3175	3173	3163	3213	3533	4038	4053	3586	3347	3017	2703	2465	2189	2150	2513	2677	2532	2096	1673	1633	1697	1600	1304	1173	1542	1613	1783	1816	1576	1098	1093	1054	1174	1157	1312	1340	1260	1588	