

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,163 MW
Distillate	0 MW
Total TNB	2,163 MW
Total IPP	18,616 MW
Total Co-Gen	0 MW
Total System	24,781 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,131	5.55 %
Gas	46,277	12.16 %
Total TNB	67,408	17.71 %
ST-Coal	241,656	63.50 %
LSS	5,981	1.57 %
Gas	64,495	16.95 %
Total IPP	312,132	82.01 %
Co-Gen	540	0.14 %
Total Co-Gen	540	0.14 %
Total Generation	380,080	99.87 %
PLTG	198	0.05 %
HVDC	-699	-0.18 %
Interconnection	-501	-0.13 %
Net Energy	380,581	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	19,603 MW
TNB Generation	3,712 MW
IPP Generation	14,033 MW
Spinning Reserve	1,847 MW
Maximum Demand	17,770 MW
Net Energy	380,581 MWH
Load Factor	89.24 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,376
Hydro	376
Syncon	360
Thermal	230
Total	2,342

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	86
Total TNB	133
CBPS	0
EMPP	232
KLPP	0
NPRI	119
PCGP	74
SPGP	184
Total IPP	609
Total Gas	742
Total Gas Required	742

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	15438	14846	14210	13857	13428	13409	13758	13840	14073	15536	16333	16825	16671	16281	17009	17586	17741	17415	16391	16414	17631	17539	17142	16733

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 29, 2023 12:01:33 PM
(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	697	697	696	695	695	695	697	694	542	507	406	406	406	453	685	697	695	694	686	695	696	696	694	694	695	693	695	700	697	695	695	695	695	694	695	695	694	694	696	695	694	604										
JMAH	U002	696	697	696	694	695	698	696	695	695	697	694	696	695	696	694	696	695	695	695	695	695	695	694	694	694	694	696	694	696	696	695	696	696	696	694	695	696	695	696	697	694	695	602									
JMHE	U001	977	977	977	844	850	850	848	848	848	851	851	851	850	848	844	852	853	905	975	972	977	977	974	975	970	978	973	974	977	973	972	976	977	977	972	976	974	976	973	974	975	972	972	974	974	970	971	975				
JMHE	U002	974	976	976	846	852	850	849	849	851	850	851	851	849	849	857	852	849	871	957	976	978	980	978	977	974	978	977	976	980	975	974	975	978	973	976	979	975	975	975	973	976	976	967	978	972	971	970	972				
JMJG	U001	600	598	593	585	590	598	607	612	602	610	590	573	592	612	649	671	672	685	672	678	673	657	688	675	678	690	683	683	679	679	679	679	679	679	679	679	679	679	679	677	677	678	673	675	674							
JMJG	U002	596	599	604	597	596	598	602	600	601	601	600	596	595	598	642	677	672	677	672	677	678	680	672	675	690	670	678	671	673	673	673	673	673	673	673	673	673	673	673	673	673	673	673	673	675	675						
JMJG	U003	623	614	617	618	621	615	624	612	616	612	618	623	611	616	666	672	672	673	666	673	676	672	671	670	667	677	672	672	671	671	671	671	671	671	671	671	671	671	671	671	671	667	667	671	668	662						
JMJG	U004	979	985	985	957	903	907	906	903	906	903	906	903	905	903	907	907	906	916	973	976	978	981	979	981	981	982	985	985	980	980	980	980	980	980	980	980	980	980	980	980	980	980	982	978	978	981	979					
PKLG	U003	279	278	280	278	278	275	202	148	157	153	155	156	155	152	256	226	256	280	280	278	277	278	277	277	278	278	277	279	276	278	276	272	276	272	272	271	272	272	272	272	272	271	277	277	280	278	277	278	203	151		
PKLG	U004	274	276	278	274	274	267	217	157	148	150	156	154	154	151	211	228	272	274	274	276	274	276	270	276	276	270	276	275	277	273	264	253	251	258	278	277	278	277	278	274	276	278	272	278	222	154						
PKLG	U005	465	465	465	465	465	434	378	282	249	257	277	251	256	263	312	303	387	439	411	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455				
TBIN	U001	694	691	690	691	688	689	689	690	689	688	691	689	689	691	688	692	691	689	687	692	692	688	690	689	688	687	689	688	688	689	690	688	689	689	691	689	689	688	689	691	685	688	691	690	690	691	689	688	689	693	688	691
TBIN	U002	688	689	681	688	688	688	688	690	689	686	693	690	686	690	688	688	688	686	689	687	688	690	690	688	688	690	688	687	686	686	689	689	689	691	689	689	688	689	690	688	689	692	690	689	687	687	689	688				
TBIN	U003	685	688	684	687	688	686	687	688	689	687	689	686	688	682	684	688	688	686	686	684	687	688	687	688	686	688	688	687	689	685	687	689	687	686	691	687	686	689	687	687	687	689	688	687	689	689	687	688				
TBIN	U004	983	981	984	943	855	852	855	853	854	852	852	852	854	852	852	851	853	870	962	984	982	984	982	982	982	984	983	983	982	982	982	982	982	983	979	981	981	985	984	982	984	979	983	982	984	982	984	983	983			
Total ST-Coal		102101021110206 9862 9738 9702 9545 9321 9136 9104 9029 8977 8985 9056 9673 9678 9725 9983 1032110353104121038710413104111038210428104081040610401103861039010380103771036910380104021039010400103971039010401104061039310407103871039410256 9953																																																			
Total ST-Oil		0 0																																																			

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	
HTRG	HY04	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
KNRG	HY01	22	22	22	0	0	0	0	0	0	0	0	0	38	38	38	37	37	37	37	37	37	37	37	37	
KNRG	HY02	23	23	22	0	0	0	0	0	0	0	0	0	23	23	24	37	38	38	38	38	38	38	38	38	
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	38	38	38	38	38	38	37	37	37	37	37	37	
KNYR	HY01	97	96	96	97	97	98	97	97	98	96	97	97	97	96	96	97	97	97	97	97	97	97	97	96	
KNYR	HY02	97	0	0	0	0	0	0	0	96	97	98	98	98	98	98	98	98	98	98	98	98	98	98	96	
KNYR	HY04	98	96	96	99	99	99	99	98	98	98	95	97	98	98	98	98	98	98	98	98	98	98	97	96	
LPIA	HY01	21	21	21	21	20	20	20	20	20	20	20	20	22	22	22	22	22	22	22	23	23	23	23	23	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	-1	-1	14	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	82	83	83	83	82	82	82	112	112	112	-1	
PGAU	HY02	0	0	0	0	0	0	19	-1	-1	-1	-1	-1	84	23	114	114	113	23	84	84	115	114	113	-1	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	83	83	82	82	109	109	109	109	109	108	109	108	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	81	81	81	33	33	80	80	79	80	79
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	83	82	82	82	82	83	83	83	83	83	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	41	39	37	43	47	41	41	39	39	40	39	41	82	82	82	81	40	67	43	82	66	82	82	81	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	52	94	93	92	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	95	94	94	-1	
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Total Hydro		566	464	476	409	411	406	407	422	401	402	491	499	516	546	480	394	534	557	549	1043	1033	1127	1368	1369	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	20	14	13	14	15	21	27	22	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	14	9	10	18	20	19	25	30	21	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	9	10	12	15	16	30	32	22	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	7	20	26	29	37	39	42	41	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	13	22	27	21	22	34	27	32	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	9	8	9	9	12	15	22	28	16	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	11	17	13	25	33	49	43	34	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	7	17	15	18	13	20	21	27	30	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	10	3	4	11	34	38	43	38	34	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	17	24	33	33	41	50	88	81	67	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	12	14	16	15	26	22	25	36	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	9	12	9	14	17	18	29	24	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	18	30	36	39	43	49	54	55	52	
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	12	13	9	24	18	18	14	
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	5	7	11	17	23	22	24	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	11	20	14	24	22	23	30	37	
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	18	22	26	24	38	34	49	52	53	
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	12	28	59	63	73	67	72	61	60	45	93	
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	18	15	18	22	26	34	35	27	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	5	14	11	15	23	24	24	30	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	12	19	29	25	23	37	29	23	
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	7	8	9	9	14	24	29	
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	24	23	22	30	12	25	15	24	

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	7	58	144	229	366	425	508	548	664	781	798	755	809	867	853	890	700	635	550	477	443	266	139	57	5	0	0	0	0	0	0	0				
ESTL	ESTL	0	1	1	0	0	2	-2	-3	0	0	4	0	4	0	3	2	0	-4	0	0	0	2	0	2	1	0	-1	0	0	-3	0	0	12	12	10	11	2	0	7	9	7	10	8	1	1	0	0	
KHTC	BLK1	-21	-18	-19	-18	-19	-16	-17	-14	-15	-15	-12	-14	-19	-17	-21	-20	-23	-20	-22	-26	-28	-29	-30	-31	-34	-29	-33	-35	-37	-41	-38	-42	-42	-38	-38	-31	-28	-28	-28	-24	-23	-22	-21	-19	-21	-21	-21	
PCUF	CUFG	24	24	26	25	24	25	24	26	26	24	25	25	26	26	26	22	22	21	22	22	20	18	19	18	19	18	18	19	20	20	18	18	18	18	19	19	20	20	20	19	20	19	19	20				
PCUF	CUFK	2	21	21	20	20	21	22	21	20	23	22	20	21	20	21	20	21	20	21	20	20	21	20	21	20	21	22	20	21	20	22	19	21	21	21	20	20	21	20	20	21	22	20	20	21			
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				
Total Co-Gen		9	32	33	31	29	36	31	34	35	36	43	35	31	37	28	34	27	26	20	21	18	16	16	13	13	10	14	9	9	6	1	4	2	11	17	16	24	18	16	24	29	27	32	31	27	23	22	24
Total Gen		15434	15132	14854	14418	14176	14036	13840	13606	13410	13393	13370	13399	13725	13990	13851	13775	14029	14967	15494	15933	16306	16521	16827	16876	16704	16376	16255	16590	16982	17419	17616	17692	17718	17756	17383	16836	16354	16106	16381	17136	17606	17605	17525	17291	17114	17012	16720	16463
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		-28	-29	-29	-31	-29	-29	-30	-30	-28	-31	-28	-29	-31	-30	-30	-30	-28	-28	-29	-29	-29	-30	-29	-29	-29	-31	-31	-28	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-30	-28	-29	-28	-30	-29	-28	-30	-28	
TIE-PLTG		24	20	37	36	-5	10	13	6	11	-2	-12	8	-2	6	40	8	-16	-4	-13	7	2	-20	32	11	61	26	5	-14	1	42	60	16	5	15	-3	-25	-7	-16	-4	-6	3	17	13	3	1	-5	17	-6
Interconnection		-4	-9	8	6	-34	-19	-17	-24	-18	-32	-39	-22	-33	-24	11	-21	-44	-32	-42	-22	-27	-49	2	-18	33	-3	-26	-45	-27	12	30	-14	-23	-14	-32	-54	-37	-47	-33	-35	-25	-12	-14	-27	-28	-33	-13	-34
System Total		15438	15141	14846	14412	14210	14055	13857	13630	13428	13425	13409	13421	13758	14014	13840	13796	14073	14999	15536	15955	16333	16570	16825	16894	16671	16379	16281	16635	17009	17407	17586	17706	17741	17770	17415	16890	16391	16153	16414	17171	17631	17617	17539	17318	17142	17045	16733	16497
SRev ST-Coal		167	166	171	402	489	524	536	578	644	645	647	676	668	642	671	598	600	544	301	256	210	235	209	211	240	194	214	216	221	236	232	242	209	217	242	220	232	222	225	232	221	216	229	215	235	228	313	511
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		1954	1947	2233	2256	2374	2480	2515	2543	2534	2521	2565	2484	2179	2021	2702	2710	2687	2115	1997	2222	1954	1889	1890	1953	2168	2402	2438	2369	2013	1641	1510	1377	1380	1256	1474	1771	1569	1601	1330	524	176	148	217	415	474	565	670	539
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		0	0	-1	0	0	0	0	-1	0	0	-2	0	1	0	1	2	0	0	1	0	0	-1	0	-1	0	0	0	0	0	-1	0	1	2	0	0	-1	0	-1	-2	1	-1	0	0	0	0	0	1	
Syncon		827	827	676	827	827	827	827	978	978	978	978	978	978	978	978	827	978	978	978	374	374	374	374	374	374	374	374	374	374	374	187	0	0	0	0	187	739	739	739	739	464	464	464	552	739	739	978	978
Hydro		194	196	335	171	169	174	173	308	178	177	188	180	163	133	199	436	145	122	130	320	338	244	240	239	284	438	464	245	262	185	322	369	370	372	371	271	372	465	524	524	688	720	723	534	441	455	264	201
S.Reserve Total		3142	3136	3414	3656	3859	4005	4051	4255	4334	4321	4376	4318	3989	3774	4551	4573	4410	3759	3407	3172	2876	2741	2713	2776	3066	3408	3490	3204	2870	2436	2250	1988	1960	1847	2087	2449	2911	3027	2817	2017	1550	1547	1633	1716	1889	1987	2225	2230