

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	546 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,433 MW
Distillate	140 MW
Others	0 MW
Gas	8,370 MW
Co-Gen	0 MW
Total System	23,401 MW

Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	SGRI	8
TJGS	183	Total	8
EMPP	193		
KLPP	90		
NPRI	145		
PCGP	84		
SGRI	90		
SPGP	197		
PKLG	42		
Total Gas	1,053		

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	20,801 MW
Spinning Reserve	1,228 MW
Maximum Demand	19,514 MW
Net Energy	418,745 MWH
Load Factor	89 %

Generation Mix

Type	MWh	Percentage
ST-Coal	241,672	57.71 %
ST-Gas	4,123	0.98 %
LSS	9,106	2.17 %
Hydro	14,967	3.57 %
Distillate	641	0.15 %
Gas	150,974	36.05 %
Co-Gen	-1,682	-0.40 %
Total Generation	419,801	100.25 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	559
Hydro	520
Syncon	353
Thermal	218
Total	1,650

Total Gas Required 1,061

PLTG	329	0.08 %
EGAT	6	0.00 %
HVDC	721	0.17 %
Interconnection	1,056	0.25 %
Net Energy	418,745	100.00 %

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	17714	17006	16244	15701	15220	14922	15009	14913	15143	16729	17370	17898	17859	17743	18627	19184	19443	19181	18007	17966	19259	19514	18981	18555

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 1, 2024 8:46:53 AM
 (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	696	695	697	696	695	696	695	697	695	697	695	697	695	697	695	697	695	697	695	697	695	697	695	697
JMAH	U002	691	699	694	693	695	699	694	696	694	695	696	694	696	694	695	696	694	696	694	695	696	694	696	694
JMHE	U001	935	935	939	934	935	936	935	934	934	935	936	935	934	934	933	935	934	936	933	932	934	936	935	934
JMHE	U002	976	976	978	973	973	972	973	970	971	973	903	900	899	900	902	919	957	973	979	977	957	868	806	801
JMJG	U001	665	668	667	672	668	671	668	668	667	661	670	675	662	677	656	665	671	669	662	668	663	662	669	667
JMJG	U002	680	677	662	685	673	672	683	673	667	680	680	678	670	686	661	662	682	666	666	678	660	678	672	662
JMJG	U003	677	585	501	442	450	453	453	457	500	600	678	672	670	677	668	672	680	666	672	668	678	671	676	672
JMJG	U005	977	975	976	978	977	985	978	978	974	975	977	986	976	976	978	981	976	977	978	973	977	979	977	977
PKLG	U003	273	276	277	277	277	277	277	276	276	276	275	277	277	277	278	278	278	277	277	276	276	277	276	274
PKLG	U004	280	272	276	272	273	277	278	276	276	276	276	277	276	277	274	274	275	276	274	277	275	275	274	277
PKLG	U005	468	470	468	470	470	469	466	470	466	461	470	469	470	468	466	468	470	468	468	469	467	466	468	469
PKLG	U006	469	466	465	467	468	467	464	467	466	466	467	465	467	472	466	466	465	464	467	467	467	467	467	465
TBIN	U001	686	687	687	686	687	685	689	688	687	688	687	690	689	687	689	686	689	686	686	688	687	687	687	687
TBIN	U002	688	688	689	689	689	690	688	688	688	687	688	688	686	687	689	688	688	693	687	688	689	689	691	689
TBIN	U004	984	983	982	981	983	983	984	983	983	982	984	982	983	983	983	982	983	983	982	983	982	981	980	985
Total ST-Coal		10145	10052	9958	9915	9913	9932	9925	9921	9945	10059	10071	10082	10064	10081	10064	10057	10138	10108	10134	10125	10112	10009	9961	
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
PKLG	U002	250	223	168	142	143	143	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
Total ST-Gas		250	223	168	142	143	143	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
EMPP	BLK2	706	703	719	734	729	662	578	472	408	417	408	410	411	411	401	388	401	502	693	731	729	730	732	
EMPP	BLK3	704	705	718	732	729	682	577	476	408	415	408	410	410	423	400	388	401	503	691	732	729	730	732	
GLGR	BLK1	134	134	135	134	135	134	135	133	134	136	133	137	133	134	134	135	135	134	135	134	135	134	135	133
KLPP	BLK1	547	369	369	369	369	364	365	365	364	373	363	365	362	363	360	344	352	356	357	357	357	354	364	
NPRI	BLK1	508	507	517	517	431	321	323	322	317	325	315	322	320	317	311	302	311	321	320	397	400	518	525	
NPRI	BLK2	509	506	517	515	479	328	330	330	323	333	323	330	328	326	317	307	317	330	331	400	347	526	500	
PCGP	BLK1	583	581	599	603	602	601	603	603	490	408	390	401	400	394	379	366	379	601	602	597	601	599	614	
SGRI	BLK1	202	169	166	170	170	171	170	171	169	176	170	171	166	164	162	170	168	169	170	169	178	160	166	
SGRI	BLK2	163	165	166	168	166	166	167	167	167	166	165	166	165	163	166	167	167	168	168	174	158	163	171	
SPGP	BLK1	705	706	706	706	704	707	703	706	707	548	548	549	598	599	498	500	551	642	698	701	704	702	697	
SPGP	BLK2	695	697	699	699	697	700	697	698	703	597	497	501	550	651	597	499	550	701	698	694	694	685	685	
TJGS	BLK1	685	685	685	582	403	403	405	407	406	405	405	407	408	405	405	403	403	406	405	403	407	607	686	
TJGS	BLK2	681	681	598	447	446	447	447	446	445	447	447	448	447	446	447	447	447	448	447	447	446	447	448	
Total CCGT-Gas		6822	6608	6594	6376	6060	5686	5500	5296	5041	4751	4573	4617	4701	4807	4578	4403	4571	5278	5713	5931	5883	6178	6391	
Total 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
BSIA	HYDR	32	32	12	12	12	12	12	12	12	12	12	12	12	11	11	11	12	12	12	12	12	24	23	
CEND	HYDR	18	18	18	18	18	18	18	19	18	18	18	18	18	18	18	18	18	23	23	22	23	24	24	
HTRG	PUAH	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	68	-1	65	69	-1	64	69	69	69	
KNRG	HYDR	43	43	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
KNYR	HYDR	259	203	210	123	121	121	122	123	123	125	123	121	124	122	116	111	116	124	125	123	123	144	168	
MHDY	MHDY	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	18	18	18	19	19	19	20	20	
PGAU	HYDR	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	17	-1	-1	
SIHY	HYDR	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HYDR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HYDR	116	114	35	36	35	36	35	35	34	35	35	35	35	35	33	29	33	34	34	66	67	67	34	
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	
Total Hydro		585	527	314	228	225	226	226	228	226	231	227	246	228	226	216	274	214	295	300	260	327	354	357	
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	

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																									
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	114	114	115	116	116	116	117	116	117	62	0																			
Total Solar		0	0	0	0	0	0	0	0	0	0	26	142	316	481	672	966	1060	1075	1302	1293	1191	1148	1192	1179	1213	1131	1063	903	587	472	361	274	147	36	0	0	0	0	0	0	0								
PCUF	CUFG	8	4	7	5	6	6	6	4	6	5	5	7	5	5	5	5	6	5	5	6	5	5	3	4	4	4	5	3	4	4	4	4	4	4	4	4	4	5	6	5	6	5	6						
PCUF	CUFK	3	2	3	4	3	3	1	2	2	3	2	5	2	2	3	1	3	3	2	3	3	2	2	1	3	2	3	3	3	1	3	2	4	3	2	3	2	2	1	1	3	0	0						
PFTZ	PFTZ	4	4	4	4	2	4	4	4	2	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	2	4	4	4	2	4					
Total NEDA Co-Gen		15	10	14	13	11	13	11	10	10	12	11	14	11	11	12	9	14	13	11	12	12	12	11	10	13	11	10	11	11	9	10	12	10	11	9	11	10	14	11	11	11	11	11	10	10	11	13	7	10
Total NEDA Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Generation		17817	17420	17048	16674	16352	16000	15804	15597	15364	15195	15024	15101	15147	15267	15012	14911	15221	16152	16781	17142	17442	17755	17937	18105	17977	17861	17892	18350	18756	19121	19321	19449	19643	19688	19475	18890	18223	17933	18123	19010	19439	19628	19650	19487	19110	18991	18661	18265	
ESTL	ESTL	-24	-25	-27	-31	-34	-30	-24	-25	-26	-24	-29	-30	-32	-33	-34	-21	-21	-26	-31	-40	-31	-25	-32	-29	-31	-33	-25	-28	-31	-16	-23	-20	-27	-29	-30	-40	-31	-25	-22	-15	-26	-23	-26	-27	-26	-30	-29	-28	
KHTC	BLK1	-48	-45	-47	-46	-45	-44	-44	-41	-41	-39	-38	-41	-45	-44	-44	-50	-51	-55	-56	-58	-64	-63	-65	-68	-65	-73	-55	-53	-61	-61	-65	-69	-73	-73	-70	-64	-62	-60	-54	-55	-51	-54	-49	-48	-46	-48	-47		
Total Franchise Area		-72	-70	-74	-77	-79	-74	-68	-66	-67	-65	-68	-68	-73	-78	-78	-65	-71	-77	-86	-96	-89	-89	-95	-94	-99	-98	-98	-83	-84	-77	-84	-85	-96	-102	-103	-110	-95	-87	-82	-69	-81	-74	-80	-76	-74	-76	-77	-75	
Singapore		5	18	-57	1	2	12	7	52	51	-18	6	-35	37	31	-6	36	-19	-62	-61	-80	-44	-60	-84	32	-8	-17	24	44	19	-26	25	57	76	78	164	101	93	48	47	41	71	44	28	49	27	-23	1	-67	
Thailand		29	29	28	31	31	31	31	29	31	31	31	31	31	30	30	29	29	30	30	30	30	30	30	31	31	30	30	30	31	31	31	29	30	31	31	29	31	28	31	29	31	31	31	31	31	31	29		
Interconnection		34	47	-29	32	32	43	38	83	80	12	37	-3	68	63	24	66	10	-33	-31	-50	-14	-30	-53	63	22	13	54	74	48	4	56	88	107	107	194	132	124	76	78	69	102	73	59	80	58	8	32	-38	
Total Demand		17714	17306	17006	16568	16244	15886	15701	15451	15220	15121	14922	15039	15009	15129	14913	14783	15143	16111	16729	17099	17370	17699	17898	17951	17859	17753	17743	18196	18627	19043	19184	19279	19443	19482	19181	18651	18007	17773	17966	18875	19259	19484	19514	19334	18981	18910	18555	18231	
SRev ST-Coal		177	230	254	167	169	150	157	161	237	253	241	240	258	241	258	265	184	214	188	197	170	203	251	263	263	174	287	250	190	181	169	160	161	145	204	181	183	178	164	183	173	189	208	162	191	175	204	173	
SRev CCGT-Gas		635	477	419	657	973	1347	1533	1737	1992	2302	2480	2436	2352	2246	2475	2650	2482	1775	1340	1122	1150	855	662	694	757	779	897	573	348	248	293	383	316	333	400	430	654	1036	868	393	334	325	324	349	283	235	242	340	
SRev ST-Gas		0	27	36	34	34	34	35	35	34	34	35	35	34	34	35	35	35	34	34	34	34	34	34	34	35	35	35	34	34	35	34	34	38	38	38	38	38	37	37	3	0	1	1	-8	3	0	38		
SRev 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	0	0	0	0	0	0	0	0	0	0	0	0	77	26	26	25	24	24	24	24	23	24	23	78	0
SRev Co-Gen		0	0	0	-1	-2	0	0	0	0	1	-1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	2	0	0	0	0	0	0	0	1	-1
Syncon		739	840	840	752	752	840	840	840	840	689	840	752	840	714	840	714	714	752	626	626	714	462	714	714	840	714	613	552	214	239	88	0	0	401	553	739	739	338	0	0	0	0	401	739	739	739	739		
Hydro		323	280	218	205	208	207	206	204	206	201	205	337	204	207	216	284	218	263	258	260	319	292	201	447	254	203	174	375	217	324	492	529	616	504	563	529	595	548	546	551	726	673	671	816	858	545	405	431	
S.Reserve Total		1874	1854	1854	1988	2308	2664	2858	3064	3396	3718	3887	3824	3775	3654	3912	4035	3846	3088	2621	2452	2386	2097	1949	1987	2113	1992	2320	2034	1489	1426	1290	1345	1215	1016	1205	1655	2049	2565	2381	1526	1260	1211	1228	1351	1749	1720	1669	1720	