

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	556 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,433 MW
Distillate	0 MW
Others	0 MW
Gas	8,159 MW
Co-Gen	0 MW
Total System	23,060 MW

Maximum Demand Record

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

Set On Bus And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	19,625 MW
Spinning Reserve	1,208 MW
Maximum Demand	18,381 MW
Net Energy	379,527 MWH
Load Factor	86 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	24		
TJGS	127		
EMPP	201		
KLPP	59		
NPRI	127		
PCGP	76		
SGRI	75		
SPGP	177		
PKLG	41		
Total Gas	935		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	228,350	60.17 %
ST-Gas	4,045	1.07 %
LSS	8,280	2.18 %
Hydro	10,316	2.72 %
Gas	129,767	34.19 %
Co-Gen	-337	-0.09 %
Total Generation	380,421	100.24 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,746
Hydro	235
Syncon	637
Thermal	391
Total	3,009

Total Gas Required 935

PLTG	167	0.04 %
EGAT	6	0.00 %
HVDC	721	0.19 %
Interconnection	894	0.24 %
Net Energy	379,527	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	17843	17078	16431	15893	15312	14876	14760	14322	13392	13725	14256	14643	14711	14663	15211	15635	16041	16103	15776	16234	17991	18381	18191	17923

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 1, 2024 8:35:09 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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 Hydro		688	569	501	335	304	245	248	247	249	251	249	235	246	275	226	216	228	235	235	226	268	268	266	225	218	240	252	262	279	279	243	248	276	277	257	322	322	258	317	602	987	1109	1342	1310	1009	1001	954	792					
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	0	0	0	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	131	280	407	624	764	841	958	996	1044	1145	1123	1077	1053	1048	1047	992	849	700	600	424	267	140	39	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	0	0	11	9	0	13	14	11	4	5	6	8	0	7	6	12	10	6	12	5	11	0	3	14	0	0	0	0	0	0	8	10	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	13	14	13	14	13	13	13	13	13	13	12	13	14	12	14	14	13	15	14	14	13	14	13	12	12	13	12	12	14	13	12	12	13	13	14	16	21	21	23	22	23	12	13	12	13	12	13	12	12	12			
PCUF	CUFK	29	30	29	31	29	28	28	30	30	28	27	29	29	28	29	29	30	32	30	29	29	28	31	29	29	28	31	31	28	29	29	30	29	29	29	29	31	30	30	30	30	31	30	31	30	31	28	29	29	29			
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	4	4	4	4	4	4	4	12	12	12	12	12	12	13	10	7	6	5	4	4	5	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	
Total NEDA Co-Gen		44	46	55	56	44	56	57	56	49	48	47	52	45	49	51	59	54	55	60	55	58	47	49	66	55	54	53	52	57	56	53	59	59	53	51	47	49	55	56	57	56	58	47	49	47	49	45	45	45	45			
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	0	0	0	0	0
Total Generation		17913	17536	17183	16956	16512	16171	15993	15576	15385	15176	15006	14920	14798	14721	14436	13780	13464	13573	13725	13914	14249	14488	14632	14826	14783	14720	14790	15172	15318	15618	15784	15967	16194	16308	16285	16093	15925	15969	16374	17460	18158	18362	18497	18485	18320	18243	18045	17829					
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-56	-51	-50	-51	-49	-45	-48	-46	-45	-44	-43	-41	-41	-41	-42	-39	-41	-45	-46	-49	-50	-56	-63	-61	-68	-70	-73	-71	-74	-82	-78	-78	-77	-77	-76	-81	-78	-75	-78	-76	-72	-50	-47	-46	-43	-43	-44	-40	-40				
Total Franchise Area		-56	-51	-50	-51	-49	-45	-48	-46	-45	-44	-43	-41	-41	-41	-42	-39	-41	-45	-46	-49	-50	-56	-63	-61	-68	-70	-73	-71	-74	-82	-78	-78	-77	-77	-76	-119	-112	-99	-108	-111	-102	-77	-83	-84	-84	-80	-94	-73	-73	-73			
Singapore		-13	65	28	-5	4	0	24	-16	3	-40	59	12	-31	22	46	39	4	-16	-73	-65	-85	-53	-101	-30	-23	-2	28	48	7	37	43	43	47	34	80	81	10	21	4	13	37	20	7	23	17	-27	0	10	10				
Thailand		31	28	30	30	31	29	31	32	29	31	31	31	32	32	29	29	31	31	30	31	31	31	30	30	29	29	29	29	29	31	31	29	29	29	30	29	31	31	31	31	29	29	29	29	31	31	31	31	31	31			
Interconnection		17	94	58	24	35	29	55	15	31	-9	90	43	0	55	75	69	34	15	-43	-35	-54	-22	-71	1	7	28	57	77	36	67	74	74	79	63	109	110	40	50	35	43	68	51	36	52	48	3	31	41	41				
Total Demand		17843	17394	17078	16884	16431	16100	15893	15518	15312	15144	14876	14839	14760	14628	14322	13675	13392	13516	13725	13903	14256	14457	14643	14767	14711	14625	14663	15027	15211	15472	15635	15818	16041	16171	16103	15867	15776	15823	16234	17309	17991	18237	18381	18352	18191	18163	17923	17718					
SRev ST-Coal		164	162	159	160	167	152	163	162	151	196	436	628	443	465	433	762	773	765	764	758	755	742	648	454	519	625	589	547	407	394	269	247	167	190	166	194	181	191	187	198	173	200	193	220	181	173	190	207	207				
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	2	2	8	-8	8	8	8	8	8	2	3	3	-3	2	1	67	3	102	2	3	50	8	6	15	12	39	0	0	0	0	0	0	0		
SRev CCGT-Gas		365	485	333	338	494	802	973	1449	1856	2122	2153	2301	2445	2600	2911	3133	2923	2896	2850	2833	2421	2462	2640	2514	2506	2538	2499	2223	2358	2175	2290	2209	1959	1669	1528	1581	1751	1635	1493	599	390	452	389	380	307	313	227	264	264				
SRev ST-Gas		-1	-2	-1	-1	-2	-1	-1	-1	-1	-2	-1	-1	-2	-2	-2	-2	-1	-1	0	52	15	27	-6	7	7	24	28	33	15	38	36	35	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	35	35	35	35		
SRev Co-Gen		-1	0	0	-2	0	0	0	1	0	1	0	0	0	-1	0	0	1	0	1	1	0	0	1	-1	-2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		739	978	978	1079	1079	1079	1079	991	1079	1079	1079	1079	928	840	1079	1079	1079	1079	1079	617	705	705	705	705	705	554	617	555	554	617	892	893	1079	1079	1079	953	953	1079	928	978	465	464	277	464	651	802	802	802	802				
Hydro		595	312	280	195	226	185	182	183	182	179	181	195	335	307	204	214	202	195	195	207	164	164	166	207	214	343	181	170	304	241	188	182	204	203	223	284	284	222	314	179	207	236	301	210	324	181	228	290	290				
S.Reserve Total		1948	1935	1749	1769	1964	2217	2396	2873	3266	3575	3848	4202	4149	4296	4625	5188	4980	4937	4892	4557	4062	4108	4146	3894	3957	4092	4009	3537	3640	3468	3678	3563	3447	3178	3099	3051	3307	3165	2960	2039	1277	1393	1208	1323	1533	1472	1448	1564	1564				