

Availability at Daily Maximum Demand Hour

ST-Coal	8,581 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,606 MW
Co-Gen	0 MW
Total System	22,554 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	18,855 MW
Spinning Reserve	1,067 MW
Maximum Demand	17,761 MW
Net Energy	381,212 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	164
CBPS	45
EMPP	267
KLPP	43
PCGP	81
PLPS	55
SKSP	45
SPGP	189
Total Gas	918

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	204,619	53.68 %
LSS	7,530	1.98 %
Hydro	32,437	8.51 %
Gas	136,693	35.86 %
Co-Gen	-291	-0.08 %
Total Generation	380,988	99.94 %
PLTG	19	0.00 %
HVDC	-243	-0.06 %
Interconnection	-224	-0.06 %
Net Energy	381,212	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	884
Hydro	280
Syncon	372
Thermal	129
Total	1,665

Total Gas Required 918

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	25

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	15651	14783	14255	13756	13413	13311	13660	13776	14088	15524	16245	16762	16647	16380	17125	17642	17757	17479	16841	16839	17745	17575	16965	16522

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:23:43 AM

(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																								
ESTL	ESTL	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
PCUF	CUFG	3	4	4	5	4	4	5	3	5	4	5	3	3	2	4	3	3	3	4	3	4	3	4	4	5	4	4	3	21	21	20	19	19	20	19	20	20	20	21	20	21	21	19	20				
PCUF	CUFK	29	3	4	3	4	3	5	3	5	3	3	3	4	4	2	5	4	2	1	4	5	2	4	4	3	1	4	3	4	29	30	30	30	28	28	30	30	31	30	29	29	29	30	29	31			
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Total NEDA Co-Gen		50	25	14	14	14	13	16	12	16	13	14	12	13	12	14	13	11	11	13	15	10	12	13	13	10	14	13	15	13	14	38	57	57	56	53	53	56	55	57	56	55	56	55	56	57	54	57	
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	
Total Generation		15663	15140	14789	14473	14259	13975	13757	13602	13410	13366	13340	13400	13646	13833	13767	13799	14112	15044	15502	15926	16258	16586	16786	16892	16663	16447	16424	16804	17124	17429	17665	17700	17762	17796	17554	17262	16912	16714	16899	17834	17811	17814	17651	17363	17032	16854	16602	16230
ESTL	ESTL	0	0	-4	-6	-2	0	0	0	-4	0	-6	-7	-3	0	-9	-2	0	0	0	0	0	0	0	0	0	0	0	-2	-1	-2	-6	0	0	0	-5	-6	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-32	-31	-29	-30	-30	-29	-28	-28	-26	-27	-24	-28	-25	-23	-26	-28	-33	-30	-36	-35	-38	-42	-46	-45	-48	-52	-53	-54	-59	-55	-53	-55	-55	-55	-55	-53	-55	-51	-49	-48	-47	-45	-44	-43	-41	-39	-38	
Total Franchise Area		-32	-31	-33	-36	-32	-30	-29	-28	-32	-28	-34	-27	-28	-34	-25	-26	-28	-33	-30	-36	-35	-38	-42	-46	-45	-48	-52	-53	-56	-60	-57	-59	-55	-55	-55	-58	-61	-51	-49	-48	-47	-45	-44	-43	-41	-39	-38	
Singapore		11	1	5	-19	3	0	3	22	-3	6	28	-10	-9	6	-11	-1	29	16	-23	-35	8	25	18	45	1	44	27	11	-22	5	-5	-1	-22	-22	-7	-16	-14	-27	-19	-4	-7	13	5	-1	-2	-25	12	-1
Thailand		-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-29	29	30	30	30	30	30	31	31	29	31	29	29	29	29	32	32	30	
Interconnection		-17	-28	-24	-48	-25	-28	-25	-6	-32	-23	0	-38	-38	-22	-40	-29	1	-12	-52	-63	-20	-3	-11	16	-27	15	-1	-17	-51	-23	-34	-29	-51	7	23	14	16	4	12	27	21	44	34	28	27	6	44	28
Total Demand		15651	15140	14783	14488	14255	13976	13756	13583	13413	13364	13311	13407	13660	13830	13776	13806	14088	15031	15524	15962	16245	16557	16762	16837	16647	16390	16380	16772	17125	17399	17642	17675	17757	17737	17479	17196	16841	16653	16839	17761	17745	17726	17575	17294	16965	16810	16522	16167
SRev ST-Coal		167	156	154	231	264	275	270	268	407	388	410	400	272	269	258	262	271	141	127	124	140	116	135	120	144	142	136	136	137	142	130	119	132	127	146	143	144	137	154	145	120	114	129	131	126	118	131	110
SRev CCGT-Gas		1197	1493	1836	2074	2192	2460	2689	2844	2800	2807	2840	2767	2796	2635	2687	2653	2384	1781	1466	1361	1148	939	763	961	1366	1595	1731	1321	1095	1015	910	824	717	489	737	759	929	1165	900	313	344	344	506	792	1025	866	1004	1014
SRev Co-Gen		0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	-1	0	1	0	0	2	-1	0	0	0	0	0	0	0	-1	0	1	-1	0	0	-1	0	3	0	1	0	0	0	0	
Syncon		802	802	802	802	953	953	953	953	953	953	802	953	953	802	953	953	953	802	953	802	802	428	277	277	277	277	151	151	0	151	277	277	277	277	277	277	277	126	126	126	126	277	277	277	277	277		
Hydro		173	161	160	161	33	35	34	31	30	30	160	30	31	160	30	35	33	163	32	96	97	101	97	278	345	361	321	313	319	337	335	471	356	265	319	231	303	324	287	484	495	497	484	332	70	80	178	347
S.Reserve Total		2339	2612	2952	3268	3442	3724	3946	4096	4190	4179	4212	4150	4052	3866	3928	3903	3641	2887	2579	2382	2187	1959	1797	1787	2134	2374	2465	2047	1828	1645	1526	1414	1355	1158	1479	1411	1652	1903	1618	1067	1085	1084	1245	1533	1498	1341	1590	1748