

Availability at Daily Maximum Demand Hour

ST-Coal	8,762 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	10,142 MW
Co-Gen	0 MW
Total System	23,371 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
Total Gas	0

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,695 MW
Spinning Reserve	1,098 MW
Maximum Demand	18,586 MW
Net Energy	398,897 MWH
Load Factor	89 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	216,773	54.34 %
LSS	8,876	2.23 %
Hydro	21,170	5.31 %
Gas	151,744	38.04 %
Co-Gen	494	0.12 %
Total Generation	399,057	100.04 %
PLTG	-224	-0.06 %
EGAT	5	0.00 %
HVDC	379	0.10 %
Interconnection	160	0.04 %
Net Energy	398,897	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	631
Hydro	349
Syncon	727
Thermal	145
Total	1,852

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	17009	16224	15790	15167	14721	14395	14466	14531	14693	15940	16715	17116	17036	16741	17191	18027	18526	18348	17414	17077	18235	18154	17477	17439

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:44:37 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	1	60	209	397	527	678	822	977	1056	1154	1170	1192	1211	1191	1161	1132	1108	984	855	728	548	370	177	56	4	0	0	0	0	0	0	0	0	0		
ESTL	ESTL	14	25	28	31	30	28	28	27	23	31	22	31	31	29	30	24	26	25	29	20	18	17	24	28	25	19	19	18	23	23	30	30	25	25	26	21	21	21	18	17	32	23	32	32	24	24	24	22	
PCUF	CUFG	3	2	4	2	2	3	2	2	3	2	4	2	3	1	3	2	3	3	4	4	20	22	21	22	22	22	22	22	22	21	22	22	22	22	21	21	21	22	22	21	23	21	22	21	21	21	22	21	
PCUF	CUFK	29	4	6	5	5	4	1	1	4	3	2	2	3	3	2	4	4	2	4	5	5	12	29	29	30	31	30	29	29	30	30	30	31	29	27	30	30	31	28	29	28	30	30	30	28	29	30	31	
PFTZ	PFTZ	0	0	0	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total NEDA Co-Gen		46	31	38	39	38	36	32	31	29	38	27	38	36	34	32	32	30	36	29	27	49	75	78	77	72	71	69	74	74	82	82	78	77	75	73	73	75	69	68	84	75	85	84	74	75	77	75		
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
Total Generation		17024	16672	16196	15888	15747	15584	15200	15034	14763	14698	14434	14459	14486	14590	14565	14541	14692	15472	15900	16321	16673	16861	17104	17096	17036	17024	16785	17089	17246	17686	18067	18358	18580	18651	18439	17889	17526	17164	17178	17852	18320	18318	18248	18112	17573	17454	17537	17330	
KHTC	BLK1	-28	-30	-29	-26	-26	-26	-24	-23	-22	-21	-24	-25	-24	-23	-22	-22	-22	-25	-30	-30	-32	-33	-36	-36	-37	-44	-46	-47	-47	-48	-48	-51	-50	-51	-57	-59	-59	-56	-51	-47	-42	-42	-38	-40	-36	-36	-35	-32	-30
Total Franchise Area		-28	-30	-29	-26	-26	-26	-24	-23	-22	-21	-24	-25	-24	-23	-22	-22	-25	-30	-30	-32	-33	-36	-36	-37	-44	-46	-47	-47	-48	-48	-51	-50	-51	-57	-59	-59	-56	-51	-47	-42	-42	-38	-40	-36	-36	-35	-32	-30	
Singapore		-10	-35	-54	-53	-66	-4	12	30	23	19	18	17	-2	33	15	39	-23	-39	-66	-74	-72	-52	-44	-66	-40	14	1	27	11	-6	-7	5	7	12	36	-2	0	-5	-3	-19	-15	-5	-4	1	2	6	9	-20	
Thailand		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	60	60	61	60	62	62	62	63	62	60	60	60	
Interconnection		-10	-34	-54	-53	-66	-4	12	30	23	19	18	17	-1	33	15	40	-23	-39	-66	-74	-71	-52	-44	-66	-40	15	1	27	11	-6	-7	6	7	12	36	28	60	56	58	40	46	57	57	64	63	67	69	40	
Total Demand		17009	16679	16224	15918	15790	15565	15167	14984	14721	14661	14395	14420	14466	14537	14531	14482	14693	15485	15940	16367	16715	16881	17116	17129	17036	16967	16741	17019	17191	17648	18027	18306	18526	18586	18348	17806	17414	17061	17077	17773	18235	18226	18154	18015	17477	17355	17439	17263	
SRev ST-Coal		117	132	129	134	141	139	148	195	215	240	307	294	299	294	322	321	333	134	152	139	153	172	122	156	127	123	132	130	137	140	143	149	129	171	211	163	175	192	185	167	147	144	129	128	123	122	182	109	
SRev CCGT-Gas		982	978	1245	1313	1230	1393	1744	1862	2110	2158	2344	2343	2311	2211	2205	2230	2125	1693	1441	1156	940	913	901	952	1138	1165	1416	1131	972	479	275	360	248	222	241	364	720	897	754	246	253	249	336	300	630	756	645	677	
SRev Co-Gen		0	1	0	-1	0	-1	1	4	0	0	0	3	0	0	-1	0	3	-3	0	0	0	0	1	-1	0	0	1	0	0	1	-1	0	0	0	-3	0	-1	1	0	0	1	0	0	1	0	-2	2		
Syncon		978	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	1129	942	667	516	365	365	365	552	401	552	365	126	126	126	214	214	214	552	978	
Hydro		263	129	131	131	131	131	131	131	132	133	131	133	131	131	131	132	133	131	131	131	131	131	131	131	131	131	131	131	131	131	217	249	388	340	344	637	708	836	704	840	724	724	732	816	933	944	576	266	
S.Reserve Total		2340	2369	2634	2706	2631	2791	3153	3321	3586	3660	3911	3902	3870	3765	3786	3812	3723	3084	2853	2555	2352	2345	2284	2367	2525	2548	2809	2521	2369	1879	1578	1424	1281	1098	1161	1526	2155	2325	2196	1618	1250	1244	1323	1458	1901	2036	1953	2032	