

Availability at Daily Maximum Demand Hour

ST-Coal	9,232 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	8,042 MW
Co-Gen	0 MW
Total System	21,741 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 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:	21:30:00 Hour
Total Set On Bus	19,107 MW
Spinning Reserve	1,667 MW
Maximum Demand	17,414 MW
Net Energy	363,668 MWH
Load Factor	87 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	220,046	60.51 %
LSS	7,472	2.05 %
Hydro	12,793	3.52 %
Gas	123,775	34.04 %
Co-Gen	140	0.04 %
Total Generation	364,226	100.15 %
PLTG	-167	-0.05 %
HVDC	725	0.20 %
Interconnection	558	0.15 %
Net Energy	363,668	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	908
Hydro	355
Syncon	879
Thermal	323
Total	2,465

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	16661	16092	15411	15006	14603	14389	14247	13671	12766	12876	13441	14002	14140	14425	15106	15423	15615	15536	15417	15868	16841	17287	17209	16970

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 6:07:20 PM

(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																								
PCUF	CUFG	23	23	23	24	25	25	25	24	24	24	24	24	24	24	23	24	22	22	23	23	23	24	24	25	24	25	24	25	24	25	25	26	25	24	10	0	25											
PCUF	CUFK	1	2	4	3	2	2	4	3	3	5	3	2	2	4	3	6	6	5	4	2	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	0	1	2	1	3	4	5	5	3			
Total NEDA Co-Gen		41	38	49	42	45	37	47	46	51	51	43	48	51	52	52	57	56	50	48	36	38	38	48	50	46	44	44	30	26	39	43	41	39	45	46	39	33	45	48	52	44	50	51	56	53	36	28	50
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		16701	16435	16134	15893	15449	15288	15056	14808	14663	14531	14450	14420	14295	14197	13723	13097	12782	12873	12876	13157	13463	13832	14049	14225	14219	14479	14496	14759	15192	15447	15460	15708	15698	15605	15601	15624	15532	15769	15943	16502	16907	17294	17340	17471	17305	17263	17018	16805
KHTC	BLK1	-37	-40	-37	-36	-35	-34	-32	-33	-32	-28	-28	-30	-30	-30	-27	-30	-28	-29	-33	-35	-35	-42	-43	-46	-48	-46	-47	-52	-54	-56	-48	-43	-46	-45	-48	-50	-49	-48	-36	-35	-38	-39	-35	-34	-34	-38	-33	-34
PCUF	CUFK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	-2	0	0	-3	0	-3	-2	-3	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Franchise Area		-37	-40	-37	-36	-35	-34	-32	-33	-32	-28	-28	-30	-30	-30	-27	-30	-28	-29	-33	-35	-35	-42	-45	-48	-48	-46	-50	-52	-57	-58	-51	-44	-47	-46	-48	-50	-49	-48	-36	-35	-38	-39	-35	-34	-34	-38	-33	-34
Singapore		-25	18	-21	-12	-23	12	-10	5	2	-7	5	-4	-9	-13	-2	-10	-38	-52	-59	-26	-40	-25	-23	-11	5	47	-5	-40	4	17	-40	-7	10	-18	-8	40	38	28	13	-2	2	-2	-10	-5	35	-20	-13	-33
Thailand		30	29	29	29	29	31	31	29	31	31	30	30	30	30	30	30	30	30	31	31	31	29	30	31	31	30	30	30	30	30	30	30	29	29	32	32	31	29	29	29	30	30	31	31	31	31	31	31
Interconnection		6	47	8	17	6	43	21	35	31	24	36	26	21	17	28	20	-8	-22	-29	5	-9	6	6	19	35	78	25	-10	33	47	-10	23	40	11	21	72	70	58	42	28	31	29	21	26	65	12	18	-1
Total Demand		16661	16351	16092	15843	15411	15214	15006	14743	14603	14482	14389	14367	14247	14153	13671	13051	12766	12870	12876	13121	13441	13788	14002	14162	14140	14359	14425	14721	15106	15346	15423	15645	15615	15552	15536	15506	15417	15667	15868	16442	16841	17229	17287	17414	17209	17216	16970	16775
SRev ST-Coal		185	124	132	123	127	117	119	188	179	256	284	295	292	299	443	470	754	732	737	732	731	766	749	628	611	509	495	501	356	153	129	146	113	196	128	154	128	148	131	127	134	131	207	153	162	252	161	171
SRev CCGT-Gas		397	388	662	462	552	676	917	1096	1254	1280	1283	1303	1434	1516	1839	2300	2435	2421	2417	2046	1847	1663	1529	1279	1369	1334	1328	959	901	761	954	609	672	744	949	984	944	791	723	250	392	636	650	499	666	563	539	670
SRev Co-Gen		1	0	0	-3	-1	0	0	-1	-1	0	0	1	-2	2	-1	-1	0	0	0	0	-5	1	4	5	2	-1	5	0	10	4	6	3	2	1	0	0	0	-1	0	-2	0	0	3	-2	0	0	1	0
Syncon		890	1129	1129	1129	1129	1129	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230
Hydro		433	224	154	160	218	209	208	206	207	236	238	202	202	212	166	238	249	228	187	229	209	145	142	528	541	535	397	391	254	267	267	267	183	257	268	267	267	255	271	270	321	408	373	402	414	277	515	389
S.Reserve Total		1906	1865	2077	1871	2025	2131	2373	2719	2869	3002	3035	3031	3156	3259	3677	4237	4668	4611	4571	4237	4012	3805	3654	3217	3300	3154	3153	2779	2600	2264	2435	2104	2049	2189	2336	2396	2330	2184	2116	1636	1649	1790	1848	1667	1857	1894	2106	2120