

Availability at Daily Maximum Demand Hour

ST-Coal	9,956 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	9,767 MW
Co-Gen	0 MW
Total System	23,940 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:	21:00:00 Hour
Total Set On Bus	20,292 MW
Spinning Reserve	1,076 MW
Maximum Demand	19,175 MW
Net Energy	412,648 MWH
Load Factor	90 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	230,986	55.98 %
LSS	8,375	2.03 %
Hydro	13,317	3.23 %
Gas	160,007	38.78 %
Co-Gen	469	0.11 %
Total Generation	413,154	100.12 %
PLTG	-225	-0.05 %
HVDC	731	0.18 %
Interconnection	506	0.12 %
Net Energy	412,648	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	675
Hydro	272
Syncon	776
Thermal	181
Total	1,904

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	24

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	17598	16692	16066	15546	15113	15076	15066	14876	15064	16597	17134	17456	17252	17198	18208	18760	18886	18501	17901	17799	18776	19175	18772	18429

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:47:38 PM

(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																											
Total Hydro		612	417	417	480	454	474	466	381	382	381	365	368	353	378	334	344	379	382	402	363	373	370	367	377	381	381	405	366	580	597	578	733	757	694	575	536	520	632	998	1268	1339	1270	1017	829	646	584					
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		
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	77	190	317	451	623	729	816	1070	1011	1104	1128	1162	1203	1178	1055	1075	889	827	679	553	365	182	50	2	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	26	24	16	22	24	25	18	24	25	25	26	26	16	16	28	35	19	29	21	26	18	21	19	19	19	30	28	32	32	31	30	27	18	28	26	26	30	28	29	30	28	21	30	14	25	25	27	26			
PCUF	CUFG	20	23	21	21	21	22	22	23	22	22	22	23	22	22	22	21	23	21	21	20	20	18	19	19	19	18	19	18	18	18	18	17	16	19	19	21	22	21	21	22	22	21	21	21	21	21	21	21	21		
PCUF	CUFK	15	15	16	16	18	15	18	16	15	17	17	19	17	16	18	17	18	15	17	19	20	19	18	19	17	17	17	18	18	20	30	29	27	26	29	29	28	31	31	31	29	29	30	30	30	30	30	29	29		
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	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 NEDA Co-Gen		61	62	53	59	63	62	58	63	62	64	65	67	56	54	68	74	58	67	59	72	58	60	55	57	55	66	63	69	68	69	78	74	62	70	74	74	79	81	81	82	79	72	82	65	76	76	78	76			
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
Total Generation		17650	17188	16768	16458	16120	15871	15617	15367	15190	15128	15115	15119	15107	15205	14931	14773	15083	16118	16624	16888	17154	17425	17494	17550	17298	17378	17306	17805	18302	18711	18865	18946	18983	18961	18655	18258	17986	17885	17879	18269	18818	19198	19266	19109	18841	18777	18487	18250			
KHTC	BLK1	-39	-37	-38	-38	-37	-36	-34	-35	-32	-35	-32	-34	-28	-30	-31	-31	-33	-36	-41	-42	-43	-51	-52	-52	-57	-57	-57	-63	-64	-59	-63	-63	-66	-67	-68	-66	-61	-62	-55	-56	-55	-55	-53	-52	-48	-51	-47	-45			
Total Franchise Area		-39	-37	-38	-38	-37	-36	-34	-35	-32	-35	-32	-34	-28	-30	-31	-31	-33	-36	-41	-42	-43	-51	-52	-52	-57	-57	-57	-63	-64	-59	-63	-63	-66	-67	-68	-66	-61	-62	-55	-56	-55	-55	-53	-52	-48	-51	-47	-45			
Singapore		-14	5	11	-21	-11	15	9	-6	18	-16	-20	-19	-15	11	-4	-39	-40	-16	-41	-45	-50	-52	-41	-43	-36	5	25	-5	3	14	15	2	4	10	60	-25	-3	-25	-2	3	-41	-4	11	-6	-6	-16	-16	11			
Thailand		30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30		
Interconnection		16	35	41	9	20	45	40	25	48	15	10	11	16	42	27	-8	-10	15	-10	-14	-19	-21	-10	-12	-7	35	55	25	34	45	46	32	35	41	91	6	28	6	28	33	-10	26	41	24	24	14	14	41			
Total Demand		17598	17119	16692	16414	16066	15793	15546	15310	15113	15081	15076	15077	15066	15136	14876	14753	15064	16071	16597	16864	17134	17399	17456	17514	17252	17290	17198	17721	18208	18611	18760	18855	18886	18857	18501	18190	17901	17821	17799	18183	18776	19120	19175	19036	18772	18715	18429	18167			
SRev ST-Coal		298	198	182	176	159	169	158	195	219	236	226	212	209	227	209	188	314	231	197	236	193	191	173	171	196	180	169	182	185	202	196	200	160	157	146	145	218	142	150	168	168	167	171	180	166	155	185	177			
SRev CCGT-Gas		612	856	1130	944	1201	1459	1712	1845	1998	2044	2052	2067	2056	1963	2225	2426	2280	1503	1170	975	920	906	984	1196	1362	1406	1663	1215	931	769	524	448	351	346	491	619	739	862	876	533	345	229	238	300	340	227	331	512			
SRev Co-Gen		0	0	2	1	0	0	1	1	0	1	1	-1	0	0	-1	0	2	0	0	0	1	0	0	0	0	-2	-1	0	0	-2	0	0	0	1	0	0	0	0	0	-2	0	0	0	1	0	-2	0	-1	-1		
Syncon		701	852	852	852	852	852	852	852	852	852	978	978	978	978	978	978	978	978	827	978	978	978	978	978	978	978	978	827	978	827	978	978	791	791	791	978	978	978	978	428	428	277	277	516	890	978	978				
Hydro		428	211	211	148	174	154	162	247	246	247	263	259	274	249	293	283	248	245	376	264	254	257	260	250	250	246	246	373	261	298	130	149	181	157	220	152	191	207	207	245	245	309	389	458	472	286	256	193			
S.Reserve Total		2039	2117	2377	2121	2386	2634	2885	3140	3315	3380	3394	3515	3517	3417	3704	3875	3822	2957	2570	2453	2346	2332	2395	2595	2786	2808	3055	2597	2355	2094	1828	1775	1483	1452	1648	1894	2126	2189	2209	1924	1186	1133	1076	1215	1492	1558	1749	1859			