

Availability at Daily Maximum Demand Hour

ST-Coal	9,166 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,287 MW
Distillate	0 MW
Others	0 MW
Gas	9,766 MW
Co-Gen	0 MW
Total System	23,149 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:	20:30:00 Hour
Total Set On Bus	19,152 MW
Spinning Reserve	1,062 MW
Maximum Demand	18,051 MW
Net Energy	386,264 MWH
Load Factor	89 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	213,076	55.16 %
LSS	9,780	2.53 %
Hydro	14,197	3.68 %
Gas	149,850	38.79 %
Co-Gen	271	0.07 %
Total Generation	387,174	100.24 %
PLTG	181	0.05 %
HVDC	729	0.19 %
Interconnection	910	0.24 %
Net Energy	386,264	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,519
Hydro	265
Syncon	808
Thermal	206
Total	2,798

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	17743	16973	16339	15721	15289	15030	14827	14378	13468	14084	14715	15079	15152	15296	16117	16655	17021	17076	16866	16933	17734	18043	17856	17745

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:51:32 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	22	19	24	28	23	24	26	26	30	25	27	29	30	28	32	34	32	32	28	31	21	18	21	25	29	17	31	26	29	26	18	25	15	30	22	32	30	21	21	29	19	21	22	17	22	33	31	31	
PCUF	CUFG	22	21	22	21	20	21	21	22	22	21	22	22	22	21	20	19	21	20	20	17	18	15	18	18	18	18	18	18	18	20	19	20	20	20	20	20	20	20	21	21	20	20	20	20	21	20	20	21	
PCUF	CUFK	30	28	30	30	29	31	27	27	29	30	27	4	3	5	4	3	3	2	5	3	2	4	4	2	4	3	3	4	2	0	3	4	3	4	5	4	3	31	31	29	30	30	30	31	29	31	31		
PFTZ	PFTZ	2	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	0	1	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total NEDA Co-Gen		76	69	76	79	72	76	74	74	81	77	75	55	55	54	58	59	57	56	50	55	45	40	45	46	49	36	52	47	52	47	39	48	41	54	46	57	54	44	72	81	69	71	72	67	74	82	82	83	
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		17825	17548	17080	16733	16422	16142	15824	15574	15376	15215	15120	14999	14894	14667	14424	13765	13515	13879	14126	14398	14733	14965	15114	15253	15224	15246	15375	15787	16235	16610	16757	16947	17197	17345	17196	17102	16999	16906	17029	17311	17816	18141	18123	18048	17955	17908	17827	17659	
KHTC	BLK1	-51	-49	-50	-52	-51	-47	-43	-43	-39	-40	-38	-37	-36	-33	-36	-35	-40	-39	-40	-46	-49	-53	-53	-54	-55	-58	-59	-67	-65	-66	-58	-60	-59	-61	-62	-58	-58	-56	-54	-54	-54	-52	-53	-48	-49	-46			
Total Franchise Area		-51	-49	-50	-52	-51	-47	-43	-43	-39	-40	-38	-37	-36	-33	-36	-35	-40	-39	-40	-46	-49	-53	-53	-54	-55	-58	-59	-67	-65	-66	-58	-60	-59	-61	-62	-58	-58	-56	-54	-54	-54	-52	-53	-48	-49	-46			
Singapore		5	31	31	10	7	5	32	26	22	25	26	12	2	6	-16	2	-16	-30	-24	-30	-49	-28	-41	-41	-7	-20	-3	-16	32	16	11	31	91	64	34	48	44	31	10	0	2	8	-1	-19	18	-6	7	20	
Thailand		29	29	29	29	28	31	31	29	29	31	29	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	29	31	31	31	31	29	31	29	31	32	29	31	30	30	31	32	29	29		
Interconnection		34	60	60	39	35	36	63	55	51	56	55	44	33	37	16	34	15	1	6	1	-18	2	-10	-10	23	11	28	15	63	47	41	59	122	95	65	77	75	60	41	32	31	39	29	11	49	26	36	49	
Total Demand		17743	17442	16973	16645	16339	16062	15721	15479	15289	15122	15030	14920	14827	14597	14378	13699	13468	13847	14084	14362	14715	14921	15079	15214	15152	15185	15296	15718	16117	16500	16655	16826	17021	17194	17076	16968	16866	16792	16933	17226	17734	18051	18043	17988	17856	17837	17745	17567	
S.Rev ST-Coal		187	185	117	173	177	321	269	305	282	241	301	274	339	423	424	462	525	419	409	403	413	195	211	206	325	199	211	130	139	141	151	152	143	132	132	167	137	126	129	160	139	151	127	135	140	152	137	191	
S.Rev CCGT-Gas		525	534	650	738	785	844	1188	1184	991	1067	1229	1349	1560	1584	1730	2318	2808	2695	2655	2605	2434	2403	2280	2276	2290	2363	2464	2018	1579	1197	1009	836	751	557	560	749	775	748	582	533	353	184	234	181	270	189	228	334	
S.Rev Co-Gen		0	1	1	-1	0	0	1	2	0	-1	-3	0	0	0	-1	0	0	1	0	0	1	1	0	0	0	0	0	0	-2	1	0	0	1	0	0	0	0	-1	0	2	0	-1	0	0	-2	0	0	-1	-1
Syncon		464	464	651	890	890	890	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978
Hydro		337	346	304	266	174	184	120	122	123	140	121	129	123	139	166	211	215	209	209	208	172	209	221	223	229	228	228	223	223	222	146	75	135	262	263	125	320	361	435	258	279	450	568	496	502	404	406	380	
S.Reserve Total		1513	1530	1723	2066	2026	2239	2556	2591	2374	2425	2626	2730	3000	3224	3297	3969	4526	4302	4251	4194	3998	3786	3690	3683	3822	3768	3881	3349	2917	2539	2284	1953	1892	1662	1606	1843	2033	2037	1950	1753	1234	1062	1206	1088	1376	1396	1421	1555	