

Availability at Daily Maximum Demand Hour

ST-Coal	7,846 MW
ST-Gas	0 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,263 MW
Distillate	0 MW
Others	0 MW
Gas	9,767 MW
Co-Gen	0 MW
Total System	21,216 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	20,301 MW
Spinning Reserve	1,358 MW
Maximum Demand	18,984 MW
Net Energy	406,692 MWH
Load Factor	89 %

Total Gas Required	0
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Generation Mix

Type	MWh	Percentage
ST-Coal	190,015	46.72 %
ST-Gas	1,993	0.49 %
LSS	8,996	2.21 %
Hydro	23,335	5.74 %
Gas	175,838	43.24 %
Co-Gen	1,272	0.31 %
Total Generation	401,449	98.71 %
PLTG	189	0.05 %
HVDC	-5,432	-1.34 %
Interconnection	-5,243	-1.29 %
Net Energy	406,692	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	955
Hydro	388
Syncon	522
Thermal	141
Total	2,006

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	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	17334	16512	15745	15134	14771	14680	14697	14495	14699	16150	16798	17114	17028	16904	18060	18605	18760	18502	17764	17816	18566	18984	18682	18351

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:33:51 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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 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																									
Total Solar		0	0	0	0	0	0	0	0	0	0	5	109	303	493	699	858	978	1098	1134	1092	1086	1189	1070	1168	1146	1174	1007	826	787	610	529	396	170	53	4	0	0	0	0	0	0	0	0	0					
ESTL	ESTL	21	16	21	26	22	24	22	26	22	24	22	25	20	26	22	29	24	26	25	16	22	26	16	24	19	22	16	18	14	16	22	23	18	13	18	19	15	19	18	14	20	18	14	11	14	13	14	15	
PCUF	CUFG	23	22	23	23	23	23	25	25	25	24	23	22	22	24	25	23	22	22	21	20	21	20	21	21	22	21	21	21	20	21	21	20	20	22	22	21	24	22	23	22	22	23	23	22	22	23	23		
PCUF	CUFK	30	31	32	30	31	31	29	30	31	30	30	31	30	30	31	30	30	30	30	30	30	30	30	29	32	30	29	30	29	30	29	32	31	29	30	29	29	30	30	29	30	30	30	30	29	30			
PFTZ	PFTZ	7	7	7	7	7	7	7	7	6	6	7	7	7	8	8	8	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	8	8	7	7	7	8	7	7		
Total NEDA Co-Gen		81	76	83	86	83	85	83	88	85	85	82	86	79	85	84	93	85	86	81	74	80	85	75	83	78	82	75	77	72	76	81	81	76	70	80	80	73	80	76	74	80	77	73	71	74	72	73	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	
Total Generation		17094	16514	16249	15827	15518	15199	14907	14761	14523	14541	14459	14514	14462	14588	14252	14203	14476	15376	15874	16179	16541	16729	16868	16950	16795	16717	16703	17328	17864	18216	18395	18579	18529	18617	18319	17948	17589	17576	17627	18126	18506	18890	18953	18818	18662	18469	18232	17803	
KHTC	BLK1	-24	-22	-20	-21	-20	-19	-17	-18	-18	-17	-18	-15	-16	-14	-12	-11	-14	-24	-23	-25	-29	-30	-35	-36	-37	-40	-41	-40	-40	0	0	0	-1	-8	-13	-30	-22	-31	-27	-38	-35	-22	-13	-50	-51	-91	-90	-56	
Total Franchise Area		-24	-22	-20	-21	-20	-19	-17	-18	-18	-17	-18	-15	-16	-14	-12	-11	-14	-24	-23	-25	-29	-30	-35	-36	-37	-40	-41	-40	-40	0	0	0	-1	-8	-13	-30	-22	-31	-27	-38	-35	-22	-13	-50	-51	-91	-90	-56	
Singapore		-16	-9	-33	-6	2	6	2	3	-19	2	9	8	-3	-25	-7	22	11	-27	-50	-39	-39	-36	-32	-40	-23	0	7	44	12	22	37	84	16	36	53	38	52	28	32	30	7	36	56	13	29	15	41	30	
Thailand		-245	-245	-247	-245	-245	-244	-243	-246	-244	-244	-245	-244	-245	-247	-244	-246	-244	-245	-245	-243	-243	-246	-245	-244	-243	-245	-245	-244	-243	-243	-246	-244	-245	-245	-245	-245	-245	-243	-97	-99	-97	-97	-97	-97	-97	-246	-247	-244	
Interconnection		-261	-254	-280	-251	-244	-238	-241	-244	-263	-242	-236	-248	-273	-252	-225	-233	-272	-295	-282	-282	-283	-277	-284	-266	-245	-238	-202	-232	-221	-206	-162	-228	-209	-192	-207	-193	-216	-212	-67	-92	-61	-41	-84	-68	-231	-206	-214		
Total Demand		17334	16749	16512	16060	15745	15421	15134	14990	14771	14769	14680	14738	14697	14850	14495	14420	14699	15628	16150	16440	16798	16986	17114	17202	17028	16926	16904	17494	18060	18441	18605	18745	18760	18822	18502	18129	17764	17765	17816	18158	18566	18932	18984	18855	18682	18612	18351	17964	
SRev ST-Coal		112	113	107	102	116	99	132	192	196	203	204	184	204	198	201	179	193	91	114	121	116	146	126	104	119	103	125	112	109	127	195	128	162	122	162	189	195	169	266	130	98	110	172	173	88	132	126	98	
SRev CCGT-Gas		682	854	907	1337	1629	1967	2224	2267	2519	2563	2649	2555	2541	2427	2780	2889	2747	2267	1954	1850	1618	1586	1576	1536	1598	1658	1728	999	856	694	530	454	489	574	650	1086	1305	1108	989	665	477	332	370	434	573	518	719	731	
SRev ST-Gas		0	0	0	0	0	0	0	0	9	8	0	5	3	13	13	-5	60	37	14	5	5	5	6	30	26	58	3	3	4	3	3	3	45	26	-1	-5	5	5	5	5	5	5	5	5	5	5	5	5	
SRev Co-Gen		0	0	0	0	0	1	0	0	3	0	0	-2	0	0	-1	0	0	0	1	0	0	0	1	-1	0	0	1	-1	0	3	0	0	1	0	0	0	3	0	1	0	0	2	0	0	0	0	0	-3	0
Syncon		651	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	
Hydro		373	276	230	230	230	230	278	278	275	275	278	329	329	459	459	278	178	178	178	178	178	308	308	308	308	308	178	178	176	248	248	306	246	419	466	440	438	435	435	532	524	682	685	753	858	582	625	415	
S.Reserve Total		1818	1894	2046	2471	2777	3099	3388	3539	3807	3851	3930	3822	3879	3769	4103	4173	4080	3375	3063	2956	2719	2696	2668	2628	2702	2778	2837	2093	1947	1726	1627	1416	1552	1473	1804	2214	2436	2217	2196	1645	1417	1257	1358	1491	1650	1550	1785	1900	