

Availability at Daily Maximum Demand Hour

ST-Coal	9,292 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,224 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	22,938 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	18,971 MW
Spinning Reserve	1,061 MW
Maximum Demand	17,875 MW
Net Energy	374,167 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	148
CBPS	45
EMPP	270
KLPP	57
NPRI	68
PCGP	82
SKSP	4
SPGP	194
Total Gas	898

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	217,487	58.13 %
LSS	7,853	2.10 %
Hydro	13,998	3.74 %
Gas	136,405	36.46 %
Co-Gen	-888	-0.24 %
Total Generation	374,855	100.18 %
PLTG	-40	-0.01 %
HVDC	728	0.19 %
Interconnection	688	0.18 %
Net Energy	374,167	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,147
Hydro	343
Syncon	690
Thermal	275
Total	2,455

Total Gas Required 898

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	17044	16479	15786	15273	14779	14468	14333	13894	13122	13518	14087	14665	14760	14903	15509	15982	16202	16046	15864	16298	17677	17860	17709	17459

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:13:10 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																									
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	4	8	0	0	0	0	0	0	0	0	0	0														
PCUF	CUFG	22	20	21	20	20	21	21	22	22	21	21	21	22	21	20	21	21	19	19	18	18	18	19	19	20	19	20	20	20	20	20	20	19	20	22	20	19	20											
PCUF	CUFK	2	4	3	3	4	4	2	4	4	3	4	5	3	4	3	4	2	4	3	3	8	16	29	29	27	30	28	27	27	28	28	27	16	15	15	11	3	3	3	2	4	3	3	5	2	3			
Total NEDA Co-Gen		24	24	24	23	24	25	23	26	26	25	25	26	24	26	24	27	23	22	25	24	22	27	35	48	47	45	48	47	46	47	47	48	46	35	35	35	34	24	25	23	27	30	23	23	25	25	21	23	
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		17158	16881	16560	16197	15890	15631	15359	15151	14878	14775	14555	14517	14418	14393	14000	13323	13170	13397	13605	13834	14162	14446	14750	14827	14850	14866	14971	15385	15643	15997	16162	16288	16349	16319	16142	16083	15996	15980	16389	17380	17740	17915	17932	17953	17797	17659	17552	17343	
ESTL	ESTL	-32	-17	-20	-28	-17	-14	-19	-19	-31	-36	-33	-34	-22	-37	-32	-28	-14	-22	-16	-21	-17	-14	-16	-34	-15	-28	-2	-3	-5	-5	-21	-28	-9	-17	-16	-10	0	-2	-1	0	0	0	0	0	0	0	0	-28	
KHTC	BLK1	-49	-48	-45	-47	-48	-49	-45	-46	-45	-46	-45	-44	-43	-45	-39	-44	-44	-46	-55	-55	-57	-56	-59	-58	-61	-62	-62	-80	-73	-74	-75	-65	-59	-58	-52	-46	-46	-45	-41	-47	-45	-45	-46	-43	-48	-44	-46		
Total Franchise Area		-81	-65	-65	-75	-65	-63	-64	-65	-76	-82	-78	-77	-66	-80	-77	-67	-58	-66	-62	-76	-72	-71	-72	-93	-73	-89	-64	-65	-85	-78	-95	-103	-74	-76	-74	-62	-46	-48	-46	-41	-47	-45	-45	-46	-43	-48	-44	-74	
Singapore		6	-24	-11	4	11	8	-6	-14	-4	-12	-19	-14	-8	-12	2	-46	-36	-29	-1	-10	-24	-24	-15	-30	-9	-57	-24	-2	21	54	59	66	45	-47	-4	41	58	5	16	-10	-13	2	0	5	19	-8	21	-8	
Thailand		31	30	30	31	31	31	30	30	31	31	30	30	31	31	29	29	31	29	30	30	32	32	29	31	31	31	31	29	29	32	31	29	29	29	32	32	32	29	32	31	29	29	29	29	29	31	31		
Interconnection		36	5	19	34	42	39	25	16	26	19	12	15	22	18	32	-17	-7	3	28	20	6	6	16	2	20	-26	7	29	52	83	88	97	76	-18	25	71	89	37	48	19	19	33	30	35	48	22	52	22	
Total Demand		17044	16814	16479	16091	15786	15532	15273	15073	14779	14677	14468	14428	14333	14298	13894	13276	13122	13331	13518	13741	14087	14372	14665	14735	14760	14806	14903	15294	15509	15839	15982	16091	16202	16264	16046	15953	15864	15898	16298	17323	17677	17840	17860	17875	17709	17592	17459	17250	
SRev ST-Coal		173	183	210	205	175	175	158	176	158	174	186	191	231	236	278	402	287	303	281	438	394	404	370	346	318	343	324	319	319	366	376	228	204	225	157	165	223	177	168	166	192	163	191	184	164	157	137	142	
SRev CCGT-Gas		468	591	533	873	1082	770	998	1172	1458	1550	1755	1785	1863	1853	1995	2397	2685	2644	2703	2598	2426	2227	2170	2167	2380	2310	2185	1709	1453	984	833	716	606	330	539	907	858	1008	699	234	181	170	160	164	166	163	279	211	
Syncon		703	791	791	791	791	791	640	791	791	791	791	640	791	892	892	892	892	892	741	892	892	892	892	892	892	741	892	892	892	892	892	892	892	892	892	892	892	892	742	552	428	277	277	277	277	277	464		
Hydro		404	283	286	289	331	325	407	275	280	274	277	281	411	284	332	279	281	270	271	394	267	271	268	269	284	401	270	270	266	266	246	429	227	251	316	315	436	312	268	554	428	467	405	437	563	711	718	388	
S.Reserve Total		1748	1848	1820	2158	2379	2061	2203	2414	2687	2789	3008	3047	3166	3163	3497	3970	4145	4108	4146	4171	3979	3796	3700	3676	3874	3795	3671	3187	2930	2507	2350	2115	1929	1698	1904	2280	2407	2517	1878	1506	1229	1076	1033	1061	1169	1308	1411	1205	