

Availability at Daily Maximum Demand Hour

ST-Coal	10,300 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,276 MW
Distillate	0 MW
Others	0 MW
Gas	8,772 MW
Co-Gen	0 MW
Total System	23,528 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:	16:30:00 Hour
Total Set On Bus	20,595 MW
Spinning Reserve	1,017 MW
Maximum Demand	19,520 MW
Net Energy	407,882 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	178
CBPS	47
EMPP	283
KLPP	65
NPRI	70
PCGP	83
SGRI	94
SPGP	104
Total Gas	954

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	243,742	59.76 %
LSS	9,620	2.36 %
Hydro	14,326	3.51 %
Gas	142,166	34.85 %
Co-Gen	-659	-0.16 %
Total Generation	409,195	100.32 %
PLTG	-6	0.00 %
HVDC	1,319	0.32 %
Interconnection	1,313	0.32 %
Net Energy	407,882	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	559
Hydro	280
Syncon	658
Thermal	173
Total	1,670

Total Gas Required 954

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	25

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	16270	15678	14988	14540	14112	13841	14181	14180	14795	16543	17244	17790	17904	17713	18573	19272	19443	19180	17959	18000	19038	19066	18582	18086

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 3:06:12 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	3	4	18	12	12	13	8	16	14	12	10	12	14	18	20	18	12	17	16	0	5	13	18	24	19	17	10	9	9	10	8	14	9	5	16	10	12	10	7	13	13	8	8	16	16	12	15	17
PCUF	CUFG	23	17	14	14	14	15	15	16	16	17	16	17	15	16	15	17	17	15	24	24	25	24	24	24	25	25	24	24	23	16	18	17	14	16	16	16	16	16	16	15	24	24	16	17	16	15		
PCUF	CUFK	2	3	2	4	3	3	3	4	5	2	4	2	5	2	4	3	5	3	3	1	3	3	2	2	3	5	3	2	3	2	3	3	4	1	2	4	3	2	3	5	2	2	5	4	3	5		
Total NEDA Co-Gen		28	24	34	30	29	31	26	36	35	30	31	30	36	35	41	36	33	35	36	18	23	40	44	51	46	46	37	36	37	36	35	39	28	26	37	25	30	30	26	31	32	28	34	42	37	33	34	37
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		16275	15996	15694	15443	15096	14842	14684	14404	14226	14137	13952	14031	14231	14440	14272	14341	14884	15969	16608	17006	17349	17723	17942	18238	18155	17898	17765	18233	18664	19307	19547	19573	19643	19648	19292	18606	18168	17888	18134	18992	19140	19193	19172	18970	18652	18445	18180	17874
KHTC	BLK1	-52	-51	-50	-49	-47	-47	-47	-48	-46	-51	-47	-46	-45	-47	-50	-49	-53	-55	-62	-63	-69	-65	-69	-70	-73	-71	-68	-67	-73	-74	-76	-75	-75	-73	-75	-76	-74	-68	-71	-66	-66	-66	-66	-63	-62	-59	-58	-57
Total Franchise Area		-52	-51	-50	-49	-47	-47	-47	-48	-46	-51	-47	-46	-45	-47	-50	-49	-53	-55	-62	-63	-69	-65	-69	-70	-73	-71	-68	-67	-73	-74	-76	-75	-75	-73	-75	-76	-74	-68	-71	-66	-66	-66	-66	-63	-62	-59	-58	-57
Singapore		-15	36	-1	-41	2	25	40	-11	11	45	6	-23	-52	-27	-15	-36	-20	29	-53	-52	-21	-58	26	60	120	14	-75	-96	-40	140	141	65	68	-4	-22	-16	78	-6	5	6	-20	-54	-16	-16	-51	-30	-21	-37
Thailand		-29	-29	-29	59	61	61	60	60	61	62	61	61	60	62	59	62	60	59	60	62	60	62	60	60	60	60	61	60	61	61	61	61	60	62	61	61	60	62	61	62	59	61	58	60	62	59	60	61
Interconnection		-44	6	-31	18	64	86	100	49	71	106	67	38	8	34	45	25	39	91	6	8	39	4	86	119	181	74	-13	-36	21	201	202	126	128	58	40	45	138	56	66	68	39	7	43	44	11	30	39	24
Total Demand		16270	15942	15678	15379	14988	14712	14540	14310	14112	13983	13841	13950	14181	14362	14180	14270	14795	15826	16543	16938	17244	17657	17790	18052	17904	17756	17713	18205	18573	19035	19272	19375	19443	19520	19180	18488	17959	17767	18000	18861	19038	19123	19066	18866	18582	18359	18086	17796
SRev ST-Coal		185	186	200	193	256	253	379	587	624	603	611	612	614	561	481	482	456	241	160	185	188	173	176	198	161	161	150	159	148	160	157	153	206	159	191	197	169	152	188	147	175	155	153	194	195	190	204	193
SRev CCGT-Gas		1045	1286	1394	1663	1929	2188	2223	2107	2191	2281	2327	2130	2128	2103	2316	2318	2131	1877	1457	1299	1226	988	795	577	746	880	940	529	428	222	504	331	236	216	251	271	369	579	426	205	281	183	239	267	377	776	996	1099
SRev Co-Gen		0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	-1	0	0	0	0	0	0	0	1	0	1	0	0	-1	0	1	0	-1	0	0	0	0	-1	0	-1	0	
Syncon		978	978	1079	928	1079	1079	1079	1079	1079	1079	1079	928	1079	1079	1079	1079	827	978	978	978	978	978	978	827	978	978	1079	978	428	365	604	277	277	277	739	978	1079	1079	516	428	516	365	516	791	791	640	791	
Hydro		176	209	148	284	150	150	112	113	114	151	168	254	125	129	167	176	121	207	93	94	95	78	108	118	256	141	145	246	134	296	262	289	491	365	567	316	168	178	172	425	516	339	463	402	364	173	356	282
S.Reserve Total		2384	2659	2823	3068	3414	3670	3793	3886	4008	4114	4185	3924	3946	3873	4043	4055	3787	3152	2688	2557	2487	2216	2057	1871	1990	2160	2213	2013	1688	1106	1289	1377	1211	1017	1286	1522	1684	1989	1865	1292	1400	1193	1220	1379	1726	1930	2195	2365