

Availability at Daily Maximum Demand Hour

ST-Coal	10,586 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,450 MW
Distillate	0 MW
Others	0 MW
Gas	8,789 MW
Co-Gen	0 MW
Total System	23,755 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:	16:00:00 Hour
Total Set On Bus	20,486 MW
Spinning Reserve	1,240 MW
Maximum Demand	19,239 MW
Net Energy	404,955 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	89
CBPS	43
EMPP	267
KLPP	66
NPRI	73
PCGP	82
SGRI	90
SPGP	193
Total Gas	937

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	242,407	59.86 %
LSS	8,185	2.02 %
Hydro	14,719	3.63 %
Gas	140,223	34.63 %
Co-Gen	-330	-0.08 %
Total Generation	405,204	100.06 %
PLTG	-484	-0.12 %
EGAT	5	0.00 %
HVDC	728	0.18 %
Interconnection	249	0.06 %
Net Energy	404,955	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	597
Hydro	316
Syncon	789
Thermal	205
Total	1,907

Total Gas Required 937

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	16282	15586	15044	14514	14220	14227	14269	14181	14579	16123	16936	17467	17451	17484	18485	18937	19239	18577	17759	17671	18600	19080	18752	18514

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 5:49:28 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	25	24	28	19	24	26	16	28	28	33	28	29	24	28	23	4	18	27	25	20	22	22	16	10	10	15	22	16	2	9	3	6	0	0	2	2	0	0	0	0	8	2	12	0	8	2	11	0
PCUF	CUFG	26	25	25	27	25	25	25	24	25	26	26	26	25	25	24	26	24	25	26	30	29	28	6	5	5	8	7	8	7	21	11	7	7	7	8	3	5	4	6	5	4	5	4	5	4	14	15	
PCUF	CUFK	5	5	4	5	6	4	6	6	6	6	6	5	5	6	6	8	6	6	6	5	4	5	3	0	0	0	0	0	0	0	1	0	2	0	1	2	3	3	2	3	1	1	2	1	2	3		
Total NEDA Co-Gen		56	54	57	51	55	55	47	58	59	65	60	60	54	59	54	36	50	57	55	50	57	54	44	16	15	20	30	23	10	16	24	17	8	7	11	10	4	7	7	9	15	9	18	5	15	7	27	18
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		16282	15991	15604	15350	15086	14873	14557	14403	14280	14253	14276	14247	14299	14434	14248	14159	14636	15578	16154	16645	16952	17262	17522	17721	17537	17437	17599	18063	18559	18967	18999	19268	19300	19154	18625	18202	17837	17700	17745	18077	18656	19053	19138	19075	18821	18787	18573	18248
KHTC	BLK1	-34	-34	-33	-29	-33	-33	-32	-31	-30	-29	-31	-30	-30	-33	-30	-37	-38	-46	-51	-53	-54	-60	-61	-64	-64	-66	-67	-64	-70	-66	-67	-58	-66	-57	-58	-55	-55	-52	-51	-47	-46	-47	-48	-46	-46	-48	-42	
Total Franchise Area		-34	-34	-33	-29	-33	-33	-32	-31	-30	-29	-31	-30	-30	-33	-30	-37	-38	-46	-51	-53	-54	-60	-61	-64	-64	-66	-67	-64	-70	-66	-67	-58	-66	-57	-58	-55	-55	-52	-51	-47	-46	-47	-48	-46	-46	-48	-42	
Singapore		-62	-27	-41	-62	-18	-32	-17	-1	2	-38	-10	-1	-26	-13	6	-4	-6	-55	-42	-51	-64	-52	-32	-6	-4	2	23	-14	-17	0	-31	-26	-24	-51	-34	-10	-4	-17	-6	-19	-20	2	-14	-30	-6	5	-18	-2
Thailand		32	29	29	30	30	31	31	30	31	31	31	29	29	31	31	31	30	31	31	30	31	31	30	30	30	30	30	31	31	31	31	30	30	29	29	31	31	31	31	31	31	30	29	30	32	30	32	32
Interconnection		-31	3	-12	-32	12	-1	14	30	33	-7	21	28	3	18	37	27	24	-25	-11	-21	-33	-21	-1	24	26	32	53	17	14	31	0	4	7	-22	-5	21	27	14	25	12	12	32	14	0	26	35	14	30
Total Demand		16282	15957	15586	15356	15044	14844	14514	14345	14220	14234	14227	14192	14269	14389	14181	14106	14579	15569	16123	16619	16936	17233	17467	17640	17451	17345	17484	17983	18485	18870	18937	19201	19239	19114	18577	18127	17759	17635	17671	18017	18600	18978	19080	19030	18752	18709	18514	18179
SRev ST-Coal		171	152	156	164	157	401	418	428	419	424	423	421	417	416	425	420	417	194	181	148	184	273	327	322	324	289	230	159	209	176	161	171	147	163	170	183	185	179	209	156	198	172	175	196	200	180	161	168
SRev CCGT-Gas		1196	1218	1444	1621	1721	1780	1950	2226	2335	2416	2472	2572	2523	2431	2637	2771	2726	2273	1949	1603	1411	995	745	705	999	1171	971	477	298	184	316	378	209	192	388	568	990	1037	862	516	179	187	174	173	269	241	324	546
SRev Co-Gen		-1	2	0	2	0	0	2	-2	0	0	-1	2	-1	-3	1	0	0	-2	1	2	-2	-3	0	-2	1	0	0	1	-1	-1	1	-1	-1	0	-1	0	-2	-2	-1	-1	0	-1	1	0	0	1	2	1
Syncon		890	1129	1129	1129	978	978	1129	827	827	827	827	827	928	928	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1079	640	640	489	640	552	739	739	739	739	739	739	651	277	277	277	126	464	802	676	
Hydro		392	73	90	75	254	202	232	462	509	476	502	519	417	417	203	214	197	154	153	191	191	185	189	188	190	185	187	63	236	221	286	340	245	316	485	567	554	555	555	555	364	503	457	497	782	558	320	253
S.Reserve Total		2648	2574	2819	2991	3110	3361	3731	3941	4090	4143	4223	4341	4284	4189	4496	4635	4570	3849	3514	3174	3014	2680	2491	2443	2744	2875	2618	1930	1821	1220	1404	1377	1240	1223	1781	2057	2466	2508	2364	1965	1392	1138	1084	1143	1377	1444	1609	1644