

Availability at Daily Maximum Demand Hour

ST-Coal	9,860 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,297 MW
Distillate	0 MW
Others	0 MW
Gas	8,715 MW
Co-Gen	0 MW
Total System	23,052 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	20,153 MW
Spinning Reserve	1,761 MW
Maximum Demand	18,319 MW
Net Energy	399,657 MWH
Load Factor	91 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	172
CBPS	45
EMPP	194
KLPP	61
NPRI	138
PCGP	84
SGRI	39
SPGP	200
Total Gas	961

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	232,606	58.20 %
LSS	9,523	2.38 %
Hydro	14,513	3.63 %
Gas	144,764	36.22 %
Co-Gen	-1,470	-0.37 %
Total Generation	399,936	100.07 %
PLTG	-437	-0.11 %
EGAT	5	0.00 %
HVDC	711	0.18 %
Interconnection	279	0.07 %
Net Energy	399,657	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	724
Hydro	286
Syncon	895
Thermal	185
Total	2,090

Total Gas Required 961

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	17193	16514	15813	15411	14884	14603	14665	14670	14821	16216	16891	17196	17230	16988	17502	18155	18187	17815	16975	17111	18060	17961	17416	17073

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 2, 2024 11:22:50 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	38	177	335	400	565	751	995	1169	1192	1238	1335	1277	1337	1302	1237	1238	1109	970	811	587	492	341	135	28	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	29	30	28	29	29	29	27	26	26	27	27	25	26	29	24	23	23	23	26	25	23	23	24	27	26	23	25	26	24	26	26	25	24	23	24	24	25	24	25	25	25	22	25	23	25			
PCUF	CUFK	11	12	11	11	11	11	12	12	11	12	12	11	12	13	13	14	12	12	10	9	8	6	7	5	7	6	6	6	7	6	7	6	7	7	7	7	5	7	7	7	9	10	12	12				
PFTZ	PFTZ	11	11	10	10	10	10	10	10	10	11	10	10	10	11	14	13	13	13	13	13	13	13	13	13	14	14	14	13	13	14	14	13	13	14	14	14	14	14	14	13	13	13	12	6	6	6		
Total NEDA Co-Gen		51	53	49	50	50	49	48	47	50	49	46	48	53	51	50	48	48	49	47	44	42	44	45	46	43	45	46	43	42	47	46	43	45	47	45	44	43	45	43	44	44	45	45	43	41	41	43	
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		17290	16833	16620	16392	16060	15801	15580	15361	15074	14779	14732	14746	14858	14880	14762	14555	14872	15721	16276	16705	16987	17230	17322	17458	17366	17278	17146	17249	17680	18137	18273	18489	18236	18130	17908	17567	17104	16916	17216	17900	18146	18129	18034	17882	17479	17321	17166	16947
ESTL	ESTL	-14	-14	-16	-18	-15	0	-4	0	-8	-8	-5	-7	0	0	0	0	0	0	0	0	0	0	0	0	-6	-12	-6	-18	-11	-16	-12	-15	-20	-8	-9	-22	0	-12	-1	-1	-8	-16	-9	-15	0	-10	0	
KHTC	BLK1	-104	-103	-239	-246	-245	-176	-139	-135	-135	-101	-105	-124	-124	-121	-116	-114	-117	-120	-124	-122	-98	-107	-104	-78	-91	-97	-95	-92	-98	-98	-85	-88	-90	-88	-78	-62	-56	-53	-51	-51	-51	-47	-47	-46	-44	-41	-41	-38
Total Franchise Area		-118	-117	-255	-264	-260	-176	-143	-135	-135	-109	-113	-129	-131	-121	-116	-114	-117	-120	-124	-122	-98	-107	-104	-78	-91	-103	-107	-98	-116	-109	-101	-100	-105	-108	-86	-71	-78	-53	-63	-52	-52	-55	-63	-55	-59	-41	-51	-38
Singapore		-49	-126	-175	-53	-42	-24	0	6	27	66	-10	41	37	-75	-49	2	-91	-22	-89	-42	-28	-18	-4	-43	19	83	25	-56	36	21	-12	41	-83	-153	-21	27	23	-18	17	-17	7	11	-16	-20	-23	-51	15	33
Thailand		31	29	29	31	31	29	29	31	31	29	29	31	28	29	29	28	28	31	28	31	29	30	30	31	29	29	29	29	30	32	32	30	30	31	29	31	31	29	29	30	30	30	30	31	31	31	29	29
Interconnection		-18	-97	-146	-22	-10	5	29	37	58	94	19	72	65	-46	-21	31	-63	9	-61	-11	1	12	25	-12	48	112	54	-26	65	51	20	73	-53	-124	10	56	54	13	45	12	37	40	13	10	7	-20	45	62
Total Demand		17193	16816	16514	16153	15813	15623	15411	15192	14884	14579	14603	14548	14665	14808	14670	14413	14821	15595	16216	16597	16891	17114	17196	17395	17230	17066	16988	17180	17502	17980	18155	18319	18187	18149	17815	17443	16975	16853	17111	17839	18060	18037	17961	17820	17416	17303	17073	16850
SRev ST-Coal		237	198	190	188	181	194	186	182	180	246	351	364	340	359	352	339	375	204	196	189	203	216	180	194	197	191	184	193	188	194	175	183	177	198	189	178	191	233	195	179	161	193	168	166	165	170	157	156
SRev CCGT-Gas		747	814	1086	1083	1323	1480	1621	1837	2147	2349	2302	2271	2184	2148	2254	2649	2513	2007	1522	1263	1159	1156	1254	1148	1220	1282	1343	1252	1012	676	457	343	390	403	527	585	727	992	562	194	191	213	251	210	376	277	410	369
SRev Co-Gen		-2	2	0	-1	0	-1	-1	3	0	0	0	0	2	0	-1	0	-2	1	0	0	-3	-1	0	-2	0	1	0	0	1	2	0	0	0	0	0	0	2	0	0	-1	1	1	0	1	0	2	3	0
Syncon		1129	978	978	1129	1129	1230	1230	1079	1230	1230	1230	1230	1079	827	1041	1129	1129	1129	1129	1129	1129	1129	978	1129	978	1129	1079	1230	978	1129	1041	854	942	755	1129	1079	1129	978	616	428	277	428	428	766	766	766	766	
Hydro		134	272	145	153	252	240	227	233	362	241	229	230	231	231	364	423	122	117	121	121	112	101	123	254	122	399	270	360	210	269	271	194	451	278	353	176	382	274	514	339	495	609	491	526	250	281	228	296
S.Reserve Total		2245	2264	2399	2552	2885	3143	3263	3485	3768	4066	4112	4095	3987	3968	4048	4238	4136	3458	2968	2702	2600	2601	2686	2572	2668	2851	2926	2884	2640	2118	2034	1761	1872	1821	1824	2068	2431	2628	2249	1327	1276	1293	1338	1331	1644	1583	1651	1674