

Availability at Daily Maximum Demand Hour

ST-Coal	10,550 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,300 MW
Distillate	0 MW
Others	0 MW
Gas	9,267 MW
Co-Gen	0 MW
Total System	24,297 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:	21:00:00 Hour
Total Set On Bus	19,377 MW
Spinning Reserve	1,113 MW
Maximum Demand	18,215 MW
Net Energy	374,616 MWH
Load Factor	86 %

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	123
CBPS	40
EMPP	246
NPRI	71
PCGP	78
SKSP	6
SPGP	178
Total Gas	791

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	234,465	62.59 %
LSS	9,499	2.54 %
Hydro	13,186	3.52 %
Gas	118,912	31.74 %
Co-Gen	-382	-0.10 %
Total Generation	375,680	100.28 %
PLTG	-373	-0.10 %
EGAT	6	0.00 %
HVDC	1,431	0.38 %
Interconnection	1,064	0.28 %
Net Energy	374,616	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,752
Hydro	226
Syncon	790
Thermal	382
Total	3,150

Total Gas Required 791

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	17191	16489	15922	15264	14866	14539	14379	13814	13024	13468	13970	14405	14530	14729	15302	15729	16095	16192	15937	16364	17973	18215	18061	17656

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, May 21, 2024 5:41:33 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																								
PCUF	CUFG	28	27	28	29	27	28	28	26	27	27	29	28	31	30	28	29	29	27	29	29	31	29	29	29	27	26	25	27	26	26	27	28	27	27	28	27	27	26	27	26								
PCUF	CUFK	5	5	4	4	1	3	4	3	1	4	3	2	2	2	2	5	4	2	3	2	1	4	5	5	2	3	4	2	4	2	2	2	3	2	2	3	2	3	4	3	4	3						
Total NEDA Co-Gen		49	47	44	33	42	48	53	38	46	41	32	42	49	55	55	54	31	40	36	42	37	35	39	35	35	34	36	37	33	32	46	42	40	28	27	29	35	28	36	38	46	30	44	37	31	29	42	32
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	
Total Generation		17285	16915	16544	16214	16005	15751	15355	15274	14994	14812	14680	14522	14434	14409	13916	13364	13089	13390	13499	13685	14065	14382	14500	14655	14612	14601	14707	15212	15380	15686	15866	16058	16255	16340	16344	16101	16016	15988	16475	17733	18085	18273	18317	18254	18160	18045	17800	17549
KHTC	BLK1	-55	-57	-53	-53	-52	-49	-50	-50	-44	-44	-45	-43	-44	-44	-39	-43	-44	-46	-49	-53	-56	-55	-58	-56	-58	-57	-62	-62	-63	-69	-72	-70	-71	-65	-68	-67	-65	-64	-59	-57	-56	-56	-53	-55	-55	-52	-51	
Total Franchise Area		-55	-57	-53	-53	-52	-49	-50	-50	-44	-44	-45	-43	-44	-44	-39	-43	-44	-46	-49	-53	-56	-55	-58	-56	-58	-57	-62	-62	-63	-69	-72	-70	-71	-65	-68	-67	-65	-64	-59	-57	-56	-56	-53	-55	-55	-52	-51	
Singapore		-18	-36	-55	-52	-27	-47	-15	50	28	34	39	-9	-45	-12	2	-15	-35	-6	-71	-80	-16	-57	-17	16	-30	-63	-135	11	-42	-14	12	113	33	-1	30	-22	-45	-59	-9	-43	-2	-13	-12	-14	-14	-23	36	4
Thailand		60	59	60	60	61	60	58	60	59	58	60	60	60	60	60	60	60	60	60	60	60	61	61	60	60	59	59	59	59	61	61	60	60	60	60	60	60	60	59	60	60	60	60	58	62	61	59	61
Interconnection		42	24	5	8	34	14	44	110	87	93	99	51	15	48	61	44	25	54	-12	-20	45	3	43	76	29	-3	-76	70	19	46	71	173	93	59	90	38	15	1	50	17	58	47	49	44	47	38	95	65
Total Demand		17191	16837	16489	16156	15922	15691	15264	15117	14866	14678	14539	14431	14379	14320	13814	13284	13024	13295	13468	13659	13970	14326	14405	14524	14530	14549	14729	15083	15302	15580	15729	15816	16095	16213	16192	15998	15937	15925	16364	17660	17973	18173	18215	18160	18061	17955	17656	17436
S.Rev ST-Coal		224	229	219	254	262	268	309	481	448	441	443	432	433	416	594	798	796	822	824	805	794	744	748	629	622	631	543	433	443	385	236	238	235	198	217	216	246	219	243	234	193	199	202	206	178	219	214	205
S.Rev CCGT-Gas		254	732	1119	1325	1097	1012	1335	1289	1723	1922	1998	2231	2343	2446	2782	2835	2655	2577	2750	2734	2598	2649	2629	2685	2730	2688	2612	2451	2448	2247	2097	1853	1596	1359	1200	1304	1230	1300	916	509	523	437	272	375	401	493	634	681
S.Rev Co-Gen		0	0	0	0	1	2	0	0	-1	0	-1	0	0	-2	1	0	-1	-1	0	-1	0	-2	0	0	0	0	0	-1	-1	0	0	0	-1	-1	1	0	-1	-1	-1	-1	1	2	0	-1	-1	0	1	
Syncon		651	890	978	978	1079	1079	1079	1079	1079	928	1079	1079	1079	1079	928	1079	1079	1079	1079	1079	1079	1079	1079	1079	928	1079	1079	1079	1079	1079	928	1079	1079	1079	978	828	277	277	277	277	277	126	277	277	277			
Hydro		401	207	119	194	147	155	112	110	117	264	161	104	239	133	163	159	117	104	292	162	117	122	119	115	292	125	256	145	125	127	154	292	159	156	157	158	192	301	200	377	227	228	360	309	550	379	501	467
S.Reserve Total		1530	2058	2435	2751	2586	2516	2835	2959	3366	3555	3680	3846	3943	4072	4619	4871	4646	4581	4794	4779	4588	4592	4575	4508	4572	4523	4339	4108	4101	3844	3573	3318	3076	2798	2659	2758	2747	2797	2186	1396	1219	1142	1113	1167	1254	1367	1626	1631