

Availability at Daily Maximum Demand Hour

ST-Coal	9,049 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,490 MW
Hydro	2,230 MW
Distillate	0 MW
Others	0 MW
Gas	9,811 MW
Co-Gen	0 MW
Total System	23,170 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	31	Total	0
TJGS	163		
CBPS	42		
EMPP	274		
KLPP	50		
NPRI	142		
PCGP	86		
SGRI	34		
SKSP	2		
SPGP	204		
Total Gas	1,027		

Alternate Fuel Usage

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	19,033 MW
Spinning Reserve	1,190 MW
Maximum Demand	17,867 MW
Net Energy	390,576 MWH
Load Factor	91 %

Generation Mix

Type	MWh	Percentage
ST-Coal	214,947	55.03 %
LSS	8,338	2.13 %
Hydro	12,039	3.08 %
Gas	155,284	39.76 %
Co-Gen	-511	-0.13 %
Total Generation	390,097	99.88 %
PLTG	210	0.05 %
EGAT	5	0.00 %
HVDC	-694	-0.18 %
Interconnection	-479	-0.12 %
Net Energy	390,576	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,322
Hydro	335
Syncon	770
Thermal	174
Total	2,601

Total Gas Required 1,027

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	17712	16905	16285	15718	15290	14889	14869	14523	13982	14924	15705	16219	16072	16082	16625	17146	17165	16866	16431	16708	17831	17833	17438	17173

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 13, 2024 5:45:46 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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 Hydro		556	455	455	498	428	421	428	428	429	453	428	427	447	427	420	239	242	249	271	249	253	251	368	372	356	361	441	281	283	277	467	370	414	474	403	464	402	475	614	665	932	1007	1002	1147	932	828	958	929				
Total Distillate		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	0	0	
Total 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	0	0	0
ESTL	ESTL	11	1	0	0	0	0	0	0	2	0	0	0	2	6	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	2	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	31	30	30	30	30	30	30	31	30	30	31	29	31	31	29	31	30	31	32	30	30	29	30	30	31	29	30	31	31	31	30	29	31	30	30	29	30	30	31	31	30	31	31	30	31	29	30	31	30			
PCUF	CUFK	10	10	11	10	11	11	11	11	11	10	11	11	11	12	10	10	9	10	10	8	7	7	5	9	7	5	5	4	3	6	5	5	5	5	5	5	6	6	9	8	9	9	10	9	11	11	11	12	11	12		
Total NEDA Co-Gen		52	41	41	40	41	41	41	42	41	42	42	40	42	45	45	41	44	41	42	38	37	36	35	39	38	34	35	35	34	38	35	36	37	36	37	36	35	41	44	40	40	40	40	40	42	40	42	42	42			
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	0	0	
Total Generation		17726	17310	16912	16643	16324	16091	15768	15519	15302	15077	14873	14847	14887	14761	14578	14033	13983	14534	14821	15285	15712	15984	16215	16257	16148	16144	16042	16532	16663	16975	17389	17226	17237	17262	16970	16708	16461	16531	16733	17567	17877	17918	17913	17775	17497	17382	17242	17126				
ESTL	ESTL	0	0	-7	-6	-14	-6	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		
KHTC	BLK1	-55	-54	-54	-56	-54	-54	-51	-53	-52	-51	-51	-49	-47	-49	-49	-48	-52	-57	-59	-60	-61	-63	-62	-65	-63	-69	-64	-68	-67	-65	-64	-69	-67	-66	-69	-68	-65	-62	-65	-62	-64	-64	-61	-61	-59	-58	-58					
Total Franchise Area		-55	-54	-61	-62	-68	-60	-51	-53	-52	-51	-51	-49	-47	-49	-49	-48	-52	-57	-59	-60	-61	-63	-62	-65	-63	-69	-73	-68	-67	-65	-64	-69	-67	-66	-69	-68	-65	-62	-65	-62	-78	-75	-61	-65	-59	-66	-76					
Singapore		-10	15	-21	-33	2	63	31	44	-8	-13	-35	-5	0	17	38	-26	-14	-5	-129	-81	-21	-7	-36	-68	44	44	-77	-48	2	103	209	76	36	64	70	11	-6	27	-5	10	14	4	35	2	25	23	37	25				
Thailand		-28	-29	-29	-28	-28	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-28	-28	-29	-28	-28	-30	-30	-29	-29	-28	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-27	-28	-28	-28	-30	-28				
Interconnection		-38	-14	-51	-61	-26	34	2	15	-37	-43	-64	-33	-28	-13	9	-56	-44	-34	-157	-110	-50	-35	-64	-98	14	15	-106	-76	-27	75	181	46	6	36	41	-18	-35	-2	-34	-18	-13	-24	8	-26	-3	-4	6	-3				
Total Demand		17712	17273	16905	16645	16285	16000	15718	15454	15290	15072	14889	14832	14869	14730	14523	14043	13982	14519	14924	15339	15705	15961	16219	16296	16072	16069	16082	16538	16625	16836	17146	17119	17165	17162	16866	16660	16431	16471	16708	17523	17831	17867	17833	17743	17438	17330	17173	17056				
SRev ST-Coal		205	218	277	270	276	281	277	553	575	560	589	553	590	557	570	508	491	498	502	169	153	156	171	161	204	156	154	160	156	168	177	137	143	126	136	134	138	146	137	124	135	145	149	165	128	151	150	155				
SRev CCGT-Gas		822	908	1231	1054	1184	1388	1744	1677	1766	2037	2188	2233	2148	2273	2408	2819	2938	2632	2518	2438	2093	1903	1822	1993	2023	2012	2219	1435	1388	1111	711	688	595	536	883	954	1038	1109	1060	255	193	217	213	432	440	501	547	629				
SRev Co-Gen		0	0	0	-1	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	1	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		703	890	890	890	890	890	890	890	740	739	890	890	739	890	890	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991	991		
Hydro		170	84	84	41	111	118	111	111	110	237	111	112	243	112	119	199	196	189	167	178	174	176	397	401	266	268	188	161	159	165	50	158	114	155	226	316	219	196	308	293	626	551	556	260	387	317	187	216				
S.Reserve Total		1987	2187	2569	2341	2548	2764	3109	3317	3278	3659	3865	3875	3808	3919	4074	4604	4703	4397	4265	3874	3499	3312	3130	3295	3384	3327	3452	2834	2781	2521	2017	2061	1930	1794	2221	2230	2372	2428	2331	1462	1231	1190	1195	1285	1473	1573	1486	1603				