

Availability at Daily Maximum Demand Hour

ST-Coal	8,894 MW
ST-Gas	0 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,300 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	22,276 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	20,976 MW
Spinning Reserve	1,411 MW
Maximum Demand	19,466 MW
Net Energy	411,185 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	10
TJGS	194
CBPS	51
EMPP	314
KLPP	64
NPRI	77
PCGP	80
SGRI	103
SKSP	49
SPGP	187
Total Gas	1,130

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	212,504	51.68 %
LSS	9,084	2.21 %
Hydro	21,388	5.20 %
Gas	170,512	41.47 %
Co-Gen	-1,893	-0.46 %
Total Generation	411,595	100.10 %
PLTG	135	0.03 %
HVDC	275	0.07 %
Interconnection	410	0.10 %
Net Energy	411,185	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	588
Hydro	279
Syncon	520
Thermal	190
Total	1,577

Total Gas Required 1,130

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	32

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	16988	16221	15571	15115	14690	14432	14641	14594	15054	16719	17447	17862	17720	17595	18476	19045	19435	18991	17927	17857	18940	18913	18280	17908

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 24, 2024 9:49:04 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	27	27	27	26	27	28	27	27	27	25	26	28	29	28	28	28	29	28	28	29	29	29	29	28	29	29																								
PCUF	CUFK	4	5	3	2	4	2	4	3	4	3	2	3	3	2	4	3	3	2	4	4	4	7	24	23	23	23	25	24	24	25	23	24	25	24	22															
Total NEDA Co-Gen		31	32	30	28	31	30	31	30	31	28	28	31	32	33	31	30	33	30	30	28	27	32	33	34	31	31	30	32	32	31	30	32	34	32	35	53	51	51	52	55	53	53	54	52	52	54	53	50		
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		17028	16691	16393	16144	15725	15514	15291	15169	14863	14761	14571	14610	14769	14899	14741	14589	15158	16288	16784	17317	17599	17817	17970	18053	17905	17727	17737	18133	18644	19058	19225	19467	19724	19696	19190	18546	18118	17892	17984	18684	19000	19042	18926	18724	18360	18266	17955	17667		
ESTL	ESTL	-55	-57	-58	-57	-60	-60	-62	-59	-59	-62	-60	-61	-59	-58	-55	-57	-55	-60	-59	-60	-68	-61	-61	-61	-63	-63	-63	-61	-70	-69	-69	-66	-62	-62	-62	-62	-65	-66	-68	-54	-56	-66	-70	-70	-67	-68	-62	-64		
KHTC	BLK1	-47	-45	-47	-45	-45	-47	-44	-45	-45	-43	-39	-38	-37	-35	-39	-38	-40	-44	-45	-48	-49	-49	-52	-58	-58	-65	-62	-64	-67	-69	-70	-68	-73	-72	-71	-72	-71	-72	-71	-68	-66	-63	-62	-60	-55	-53	-53	-53	-52	-50
Total Franchise Area		-102	-102	-105	-102	-105	-107	-106	-104	-104	-105	-99	-99	-96	-93	-94	-95	-95	-104	-104	-108	-117	-110	-113	-119	-121	-128	-125	-125	-137	-138	-139	-134	-135	-134	-133	-134	-136	-134	-134	-117	-118	-126	-125	-123	-120	-121	-114	-114		
Singapore		-118	6	11	4	-7	28	14	21	12	54	-17	5	-25	-35	-4	-34	-48	-108	-97	-22	8	-61	-34	17	96	41	50	-69	62	84	73	54	187	128	99	16	86	20	24	-67	-26	-1	-80	-7	-7	-49	-34	19		
Thailand		59	59	59	59	60	58	59	60	60	60	60	61	60	60	60	60	58	61	58	30	29	31	-29	-29	-30	-30	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-30	-30	-31	-31	-29	
Interconnection		-59	66	70	63	52	87	73	81	72	114	43	65	35	26	56	26	12	-50	-36	36	38	-32	-2	-12	67	11	20	-99	34	55	44	25	157	99	69	-13	58	-8	-4	-96	-55	-31	-109	-37	-37	-79	-64	-10		
Total Demand		16988	16526	16221	15982	15571	15323	15115	14987	14690	14545	14432	14449	14641	14783	14594	14471	15054	16237	16719	17176	17447	17742	17862	17949	17720	17591	17595	18110	18476	18868	19045	19311	19435	19466	18991	18428	17927	17769	17857	18666	18940	18950	18913	18641	18280	18227	17908	17666		
SRev ST-Coal		178	170	188	185	205	182	180	171	210	201	332	343	312	249	245	229	164	145	197	174	175	161	168	158	185	151	165	208	195	265	215	155	223	221	167	151	235	210	187	234	183	162	198	185	227	169	155	160		
SRev CCGT-Gas		712	884	667	760	939	1179	1405	1546	1782	1949	2194	2138	2021	2100	2243	2479	2015	1099	845	648	663	547	527	648	777	853	960	626	590	463	456	580	688	436	602	778	865	946	855	403	326	327	462	724	869	557	731	718		
Syncon		588	739	978	978	978	978	978	978	978	978	978	978	978	978	802	802	823	802	615	615	802	651	802	464	277	428	126	126	277	277	616	802	802	802	615	428	428	428	428	428	428	428	428	428	428	428	428	428	428	
Hydro		501	281	148	112	110	103	103	52	84	125	79	88	78	220	88	217	125	59	42	117	117	100	81	166	195	227	344	84	362	397	304	286	410	478	577	356	208	257	315	404	398	376	388	339	178	153	150	321		
S.Reserve Total		1978	2072	1981	2035	2232	2443	2665	2747	3054	3253	3583	3547	3391	3396	3555	3752	3282	2281	2062	1741	1758	1631	1577	1587	1772	2033	2120	1720	1611	1402	1403	1147	1447	1411	1623	1901	2110	2215	2159	1655	1336	1293	1476	1677	2040	1344	1651	1664		