

Availability at Daily Maximum Demand Hour

ST-Coal	8,984 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,352 MW
Distillate	0 MW
Others	0 MW
Gas	9,434 MW
Co-Gen	0 MW
Total System	22,700 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 3/26/2024	420,162 MWH

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	94
CBPS	49
EMPP	283
KLPP	73
NPRI	77
PCGP	87
PLPS	69
SGRI	75
SKSP	50
SPGP	208
Total Gas	1,097

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	20,248 MW
Spinning Reserve	1,073 MW
Maximum Demand	19,131 MW
Net Energy	405,514 MWH
Load Factor	88 %

Generation Mix

Type	MWh	Percentage
ST-Coal	213,503	52.65 %
LSS	8,909	2.20 %
Hydro	20,634	5.09 %
Gas	163,193	40.24 %
Co-Gen	155	0.04 %
Total Generation	406,394	100.22 %
PLTG	146	0.04 %
EGAT	5	0.00 %
HVDC	729	0.18 %
Interconnection	880	0.22 %
Net Energy	405,514	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	478
Hydro	347
Syncon	388
Thermal	140
Total	1,353

Total Gas Required 1,097

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	16599	15758	15175	14757	14423	14147	14203	14554	14832	16271	16939	17469	17414	17377	18286	18861	19131	18953	17847	17617	18803	18808	18362	18159

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 2, 2024 5:15:44 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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 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																									
Total Solar		0	0	0	0	0	0	0	0	0	0	35	115	280	464	581	747	860	917	1059	1104	1177	1183	1090	1106	1069	1020	1037	966	818	751	590	431	256	118	11	0	0	0	0	0	0	0	0	0						
ESTL	ESTL	0	0	6	12	10	0	8	0	1	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						
PCUF	CUFG	17	17	17	16	16	17	17	17	17	15	16	17	17	17	17	16	18	17	16	16	16	16	17	17	16	16	17	17	18	16	22	20	22	16	17	17	17	15	19	16	16	16	16							
PCUF	CUFK	29	30	29	29	30	31	31	29	32	29	28	29	30	31	29	28	30	29	30	29	30	27	28	31	29	29	30	27	30	29	30	31	29	30	30	28	28	30	29	30	30	30	30	29	30	29	31			
PFTZ	PFTZ	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
Total NEDA Co-Gen		51	51	56	61	60	52	60	50	54	48	48	50	51	53	51	49	53	51	51	50	51	48	50	53	50	51	51	49	51	50	52	53	51	53	51	55	53	57	50	52	52	50	54	50	51	50	52			
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		16655	16106	15799	15522	15236	15036	14831	14697	14480	14360	14214	14236	14269	14535	14576	14742	14856	15763	16325	16663	16972	17360	17524	17735	17518	17538	17516	18044	18395	18917	19092	19280	19231	19172	19008	18380	17913	17528	17709	18464	18867	18972	18903	18686	18451	18396	18275	17901		
ESTL	ESTL	0	0	0	0	0	0	0	0	-1	0	0	0	-1	-24	-8	-11	-14	-12	-17	-14	-7	-12	-10	-12	-18	-12	-6	-6	-4	-6	0	-2	-6	-6	-2	-7	-7	-4	-2	-18	-13	-16	-10	-22	-28	-32				
KHTC	BLK1	-23	-26	-23	-22	-21	-19	-22	-22	-20	-19	-18	-20	-18	-21	-21	-23	-27	-33	-32	-36	-40	-43	-47	-45	-44	-45	-47	-55	-54	-56	-58	-61	-59	-61	-59	-57	-51	-51	-49	-48	-46	-43	-42	-39	-38	-38	-37	-36		
Total Franchise Area		-23	-26	-23	-22	-21	-19	-22	-22	-20	-19	-19	-20	-18	-21	-22	-47	-35	-44	-46	-48	-57	-57	-54	-57	-54	-57	-65	-67	-60	-62	-62	-67	-59	-63	-65	-63	-53	-58	-56	-52	-48	-61	-55	-55	-48	-60	-65	-68		
Singapore		7	-2	-9	-4	14	-3	24	18	9	44	19	31	20	18	-27	25	-36	-23	-17	-52	-52	-37	-26	2	24	43	46	46	22	100	142	73	14	-35	-34	-52	-11	-23	9	-34	-12	16	13	-15	14	-14	23	-5		
Thailand		29	29	30	30	29	29	30	30	31	31	31	31	31	31	31	30	30	31	31	31	31	32	32	30	30	30	30	31	31	30	30	31	31	30	31	31	31	32	32	31	31	31	31	31	30	30	31	31		
Interconnection		36	27	21	25	43	26	55	48	40	74	51	63	51	49	3	55	-6	8	14	-21	-20	-6	5	32	54	73	78	77	53	131	173	104	44	-5	-3	-21	20	8	40	-3	19	47	43	16	44	16	54	25		
Total Demand		16599	16056	15758	15478	15175	14994	14757	14630	14423	14270	14147	14156	14203	14468	14554	14643	14832	15717	16271	16642	16939	17313	17469	17650	17414	17412	17377	17904	18286	18728	18861	19113	19131	19118	18953	18345	17847	17469	17617	18418	18803	18867	18808	18618	18362	18323	18159	17811		
SRev ST-Coal		164	159	167	148	166	151	146	444	443	448	452	443	454	441	457	457	448	461	225	165	209	176	153	152	149	191	158	144	125	132	161	104	109	104	99	158	123	121	161	137	116	136	119	121	108	107	114	111		
SRev CCGT-Gas		567	718	976	1277	1480	1688	1905	1725	1953	2053	2200	2189	1918	1840	1706	1684	922	790	628	542	372	270	304	619	589	761	548	587	356	581	396	330	319	403	622	788	988	722	255	369	402	453	567	687	633	721	732			
SRev OCGT-Gas		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	
SRev Co-Gen		0	0	0	0	-1	0	0	0	0	0	0	0	-2	-1	-3	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	
Syncon		613	701	701	701	701	701	701	701	701	701	701	701	701	852	852	852	852	852	852	852	852	852	676	676	489	676	676	676	676	489	302	302	302	302	302	302	302	338	338	525	338	0	0	0	0	0	0	151	151	338
Hydro		396	389	360	360	324	323	324	324	324	325	325	325	325	325	323	324	324	324	320	320	216	219	219	307	220	320	320	219	310	330	333	335	332	386	409	413	366	271	358	562	464	427	429	514	512	383	408	353		
S.Reserve Total		1740	1967	2204	2486	2670	2863	3076	3194	3421	3526	3678	3658	3627	3384	3469	3339	3308	2559	2187	1965	1819	1443	1320	1252	1664	1776	1915	1587	1511	1120	1377	1137	1073	1111	1213	1531	1615	1905	1579	954	949	966	1037	1238	1344	1274	1394	1534		