

### Availability at Daily Maximum Demand Hour

ST-Coal	10,540 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,151 MW
Distillate	0 MW
Others	0 MW
Gas	8,646 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,517 MW</b>

### 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	18,820 MW
Spinning Reserve	1,339 MW
Maximum Demand	17,500 MW
Net Energy	364,741 MWH
Load Factor	87 %

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	138
CBPS	42
EMPP	240
KLPP	33
NPRI	66
PCGP	80
SGRI	33
SPGP	104
<b>Total Gas</b>	<b>763</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
ST-Coal	232,875	63.85 %
LSS	9,418	2.58 %
Hydro	9,227	2.53 %
Gas	113,055	31.00 %
Co-Gen	-582	-0.16 %
<b>Total Generation</b>	<b>363,993</b>	<b>99.79 %</b>
PLTG	-51	-0.01 %
HVDC	-697	-0.19 %
<b>Interconnection</b>	<b>-748</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>364,741</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,325
Hydro	236
Syncon	872
Thermal	420
<b>Total</b>	<b>2,853</b>

**Total Gas Required 763**

#### Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	0

### 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	16376	15996	15331	14739	14365	14033	14031	13633	12825	13146	13715	14220	14331	14544	15131	15468	15803	15850	15458	15894	17357	17500	17319	17107

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 3:04:03 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																											
ESTL	ESTL	14	13	12	11	15	16	14	14	14	13	10	12	14	19	17	18	19	12	7	8	2	11	14	16	6	13	11	12	12	12	12	16	10	10	12	10	10	10	13	17	13	0	0	0	0	0	0	0			
PCUF	CUFG	23	23	14	14	14	15	23	23	24	24	24	24	25	24	23	23	22	22	23	22	22	23	22	22	19	19	19	18	17	14	14	14	14	13	14	14	14	14	14	13	21	20	20	20	21	23	22	21			
PCUF	CUFK	4	4	4	1	2	3	2	4	1	5	1	3	2	5	4	0	3	4	3	2	3	3	3	3	3	3	4	4	4	4	2	1	5	4	6	5	1	4	3	3	3	3	4	2	2	3	4				
Total NEDA Co-Gen		41	40	30	26	31	34	39	41	39	42	35	39	40	49	45	41	45	39	33	34	28	35	39	41	28	35	33	34	33	29	30	32	25	28	30	30	29	25	31	33	37	23	23	24	23	25	25				
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		16375	16030	15970	15633	15337	15112	14798	14607	14395	14186	14081	14099	14025	14008	13618	13011	12840	13075	13117	13335	13707	14006	14149	14337	14364	14480	14622	15040	15247	15527	15504	15678	15884	15997	15935	15557	15488	15613	15977	16960	17373	17443	17555	17472	17389	17282	17159	16907			
ESTL	ESTL	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	-24	-26	-22	-16	-16	-2
KHTC	BLK1	-51	-52	-51	-51	-54	-47	-50	-49	-45	-45	-48	-46	-47	-46	-47	-40	-41	-46	-49	-52	-53	-56	-55	-58	-60	-58	-64	-64	-61	-66	-69	-63	-67	-67	-74	-73	-69	-70	-63	-61	-55	-55	-53	-52	-52	-53	-53				
Total Franchise Area		-51	-52	-51	-51	-54	-47	-50	-49	-45	-45	-48	-46	-47	-46	-47	-40	-41	-46	-49	-52	-53	-56	-55	-58	-60	-58	-64	-64	-61	-66	-69	-63	-67	-67	-74	-73	-69	-70	-63	-61	-55	-55	-77	-78	-74	-69	-69	-55			
Singapore		-20	-49	-46	-27	-16	12	41	20	18	-11	32	-29	-21	-25	-30	-16	6	-17	-46	-30	-29	1	-95	-108	5	-5	46	49	87	108	-1	-48	46	31	43	-78	-7	1	52	20	-8	-46	11	-39	28	17	14	59			
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
Interconnection		-49	-78	-74	-56	-45	-17	12	-9	-12	-40	3	-58	-50	-55	-59	-45	-23	-45	-75	-59	-58	-28	-123	-137	-24	-34	17	20	58	78	-30	-77	17	3	14	-106	-36	-30	23	-10	-36	-77	-19	-68	-1	-12	-14	30			
Total Demand		16376	16059	15996	15641	15331	15085	14739	14570	14365	14184	14033	14114	14031	14020	13633	13019	12825	13077	13146	13345	13715	13981	14220	14419	14331	14459	14544	14959	15131	15386	15468	15695	15803	15930	15850	15593	15458	15576	15894	16912	17357	17468	17500	17465	17319	17228	17107	16825			
SRev ST-Coal		203	174	179	190	185	196	281	302	356	477	558	539	607	597	657	821	836	843	847	879	849	642	666	671	689	715	727	416	402	442	355	332	351	202	220	214	220	229	237	230	228	189	174	190	179	181	198	199			
SRev CCGT-Gas		558	943	1044	1367	1386	1612	1827	1909	1973	2041	1995	2008	1884	1910	1997	1909	2035	2070	2152	2081	2002	2156	2124	2047	2109	2063	2006	1862	1784	1395	1335	1490	1584	1403	1239	1591	1630	1345	954	476	284	275	268	253	324	395	492	467			
SRev Co-Gen		-2	0	0	0	0	-2	0	1	0	0	0	-1	1	2	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		
Syncon		1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079			
Hydro		162	175	159	158	167	158	151	166	299	131	128	129	261	131	187	171	191	190	199	198	146	327	194	192	190	315	182	189	189	173	175	176	173	175	173	228	239	174	308	107	261	247	433	341	351	347	205	281			
S.Reserve Total		2000	2371	2461	2794	2817	3043	3338	3457	3556	3728	3760	3754	3681	3719	3920	3979	4141	4182	4277	4237	4076	3927	3936	3862	3941	3895	3868	3420	3456	3089	2944	3077	3187	2859	2711	2986	3042	2827	2427	1705	1389	1326	1339	1435	1504	1572	1697	1749			