

### Availability at Daily Maximum Demand Hour

ST-Coal	8,771 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	8,736 MW
Co-Gen	0 MW
<b>Total System</b>	<b>21,749 MW</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,036 MW
Spinning Reserve	1,037 MW
Maximum Demand	18,002 MW
Net Energy	377,277 MWH
Load Factor	87 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	45	PKLG	1
TJGS	161	<b>Total</b>	<b>1</b>
CBPS	42		
EMPP	258		
KLPP	46		
PCGP	80		
PLPS	37		
SGRI	31		
SKSP	44		
SPGP	184		
PKLG	6		
<b>Total Gas</b>	<b>935</b>		

### Alternate Fuel Usage

### Generation Mix

Type	MWh	Percentage
ST-Coal	201,892	53.51 %
ST-Gas	577	0.15 %
ST-Oil	71	0.02 %
LSS	5,354	1.42 %
Hydro	32,446	8.60 %
Gas	136,303	36.13 %
Co-Gen	51	0.01 %
<b>Total Generation</b>	<b>376,694</b>	<b>99.85 %</b>

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	967
Hydro	367
Syncon	378
Thermal	142
<b>Total</b>	<b>1,854</b>

**Total Gas Required 936**

PLTG	103	0.03 %
HVDC	-686	-0.18 %
<b>Interconnection</b>	<b>-583</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>377,277</b>	<b>100.00 %</b>

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Sunny	24

### 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	15108	14388	13961	13569	13286	13144	13470	13777	14291	15641	16304	16884	16653	16376	17094	17814	17947	17671	16574	16410	17136	16881	16339	15968

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, February 12, 2024 11:50:51 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
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	
ESTL	ESTL	0	0	0	10	21	12	21	8	5	0	0	0	6	0	0	0	8	19	18	17	18	16	16	29
PCUF	CUFG	3	4	3	5	4	4	3	4	4	4	4	4	3	3	4	5	3	4	5	4	3	4	3	4
PCUF	CUFK	12	5	3	4	4	4	2	3	4	4	4	3	3	5	3	4	4	5	1	4	4	3	5	4
PFTZ	PFTZ	14	14	14	14	14	14	14	14	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Total NEDA Co-Gen		29	23	20	33	43	34	40	29	27	20	21	21	27	23	20	21	30	43	36	39	41	37	39	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
Total Generation		15143	14738	14420	14161	13955	13769	13589	13356	13297	13208	13142	13268	13465	13858	13768	13836	14282	15137	15666	15994	16307	16670	16903	17121
ESTL	ESTL	-4	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	-32	-30	-31	-32	-30	-31	-31	-28	-29	-30	-33	-30	-31	-30	-28	-31	-37	-36	-36	-39	-41	-48	-48	-49
Total Franchise Area		-36	-30	-31	-32	-30	-31	-31	-28	-29	-30	-33	-30	-31	-30	-28	-31	-37	-36	-36	-39	-41	-48	-48	-49
Singapore		31	-2	33	-13	-5	29	21	-9	14	5	0	32	-4	28	-8	-1	-8	7	22	-20	-3	-14	4	67
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
Interconnection		2	-31	4	-42	-33	1	-8	-37	-14	-23	-29	3	-32	0	-36	-30	-36	-22	-7	-48	-32	-43	-25	39
Total Demand		15108	14742	14388	14174	13961	13741	13569	13365	13286	13205	13144	13235	13470	13830	13777	13841	14291	15126	15641	16010	16304	16676	16884	17038
SRev ST-Coal		211	194	299	286	335	293	276	436	445	409	313	311	314	252	205	176	200	183	129	131	130	122	150	128
SRev CCGT-Gas		1614	2014	2273	2615	2819	3027	3026	2995	2992	2966	2991	3030	2928	2915	3011	2991	2671	2079	1655	1449	1420	1357	1098	1009
SRev ST-Oil		39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev ST-Gas		0	38	38	38	39	39	38	37	36	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	2	2	0	0	0	0	0	-2	0	0	2	1	0	0	0	1	0	0	0	0	1	1	0
Syncon		489	338	676	525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	489	302	489	489
Hydro		395	576	341	435	347	358	562	535	560	554	561	467	451	335	524	506	395	307	291	292	383	262	269	429
S.Reserve Total		2748	3162	3629	3899	4216	4393	4578	4679	4707	4637	4541	4486	4370	4178	4265	4198	3943	3245	2751	2548	2422	2231	2006	1868