

### Availability at Daily Maximum Demand Hour

ST-Coal	9,622 MW
ST-Gas	556 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,436 MW
Distillate	0 MW
Others	0 MW
Gas	8,362 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,566 MW</b>
<b>Total System w/o solar</b>	<b>20,976 MW</b>

### Maximum Demand Record

Date: 7/25/2024	20,066 MW
Date: 7/25/2024	428,610 MWH

### Set On Bus And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	18,217 MW
Spinning Reserve	1,705 MW
Maximum Demand	16,586 MW
Net Energy	350,105 MWH
Load Factor	88 %
Operating Reserve	4,390 MW

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	126
EMPP	238
KLPP	37
NPRI	122
PCGP	72
SGRI	67
SPGP	90
PKLG	20
<b>Total Gas</b>	<b>801</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	220,048	62.85 %
ST-Gas	1,954	0.56 %
LSS	7,321	2.09 %
Hydro	9,947	2.84 %
Gas	113,608	32.45 %
Co-Gen	-2,316	-0.66 %
<b>Total Generation</b>	<b>350,562</b>	<b>100.13 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,771
Hydro	181
Syncon	903
Thermal	490
<b>Total</b>	<b>3,345</b>

**Total Gas Required 801**

PLTG	-263	-0.08 %
HVDC	720	0.21 %
<b>Interconnection</b>	<b>457</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>350,105</b>	<b>100.00 %</b>

#### Time Weather Temperature

Afternoon	Cloudy	33
Morning	Cloudy	23

### 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	16586	15846	15242	14653	14276	13902	13830	13616	12808	13148	13838	14087	13946	13825	14056	14271	14200	14302	14251	14927	16316	16435	16139	15773

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024  
10:40:09 AM

(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
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	1	31	159	355	497	604	766	886	986	953	998	1097	1057	1008
ESTL	ESTL	0	0	0	0	11	4	4	2	1	0	6	5	16	12	8	10	0	2	0	4	6	10	11	
PCUF	CUFG	4	2	4	4	3	3	3	2	4	4	3	3	4	2	3	4	4	4	4	3	3	4	3	
PCUF	CUFK	15	2	2	3	2	5	3	2	2	4	3	3	4	1	4	5	2	3	5	6	4	12	8	
PFTZ	PFTZ	2	2	2	2	2	2	2	2	2	2	4	4	2	2	4	2	3	4	4	4	4	4	4	
Total NEDA Co-Gen		21	6	8	9	7	21	12	11	8	13	9	14	13	28	19	17	21	9	11	12	18	18	30	
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	
Total Generation		16613	16227	15925	15623	15349	14981	14717	14481	14398	14107	13965	13908	13909	13900	13701	13021	12853	13051	13241	13548	13883	14112	14151	
ESTL	ESTL	0	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	-104	-102	-101	-101	-98	-101	-99	-100	-99	-99	-100	-99	-98	-99	-98	-96	-96	-98	-101	-100	-104	-108	-105	
Total Franchise Area		-104	-106	-101	-101	-98	-101	-99	-100	-99	-99	-98	-99	-98	-96	-96	-98	-101	-100	-104	-108	-105	-110	-111	
Singapore		-103	-12	-48	-76	-17	-15	-61	-39	-4	-57	-65	-18	-48	-38	-41	-74	-77	-50	-34	-57	-86	3		
Thailand		29	31	29	29	29	29	31	30	29	31	31	31	29	31	28	29	29	29	28	30	31	30		
Interconnection		-74	19	-19	-46	12	14	-32	-8	26	-28	-34	14	-16	-9	-10	-45	-48	-21	-5	-28	-56	34		
Total Demand		16586	16105	15846	15571	15242	14869	14653	14392	14276	14039	13902	13798	13830	13813	13616	12973	12808	12977	13148	13479	13838	13973	14087	
SRev ST-Coal		139	158	169	171	174	240	328	364	346	430	509	427	429	447	451	679	641	600	527	512	520	475		
SRev CCGT-Gas		452	538	834	814	1090	1421	1534	1740	1803	2017	2079	2092	2070	2038	2130	2251	2307	2235	2363	2248	2092	2192		
SRev ST-Gas		36	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35		
SRev Co-Gen		-1	0	2	0	0	0	0	2	-1	0	0	0	0	0	-1	0	-1	0	0	0	0	0		
Syncon		978	978	978	978	978	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827		
Hydro		101	117	115	82	74	210	217	211	246	244	241	250	343	228	166	179	167	124	167	264	132	133		
S.Reserve Total		1705	1826	2133	2080	2351	2733	2941	3177	3259	3552	3691	3631	3553	3575	3609	4071	4078	3921	4020	3986	3728	3763		