

### Availability at Daily Maximum Demand Hour

ST-Coal	10,929 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,540 MW
Hydro	2,082 MW
Distillate	0 MW
Others	0 MW
Gas	7,926 MW
Co-Gen	0 MW
<b>Total System</b>	<b>23,067 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:	16:30:00 Hour
Total Set On Bus	20,432 MW
Spinning Reserve	1,069 MW
Maximum Demand	19,437 MW
Net Energy	415,453 MWH
Load Factor	89 %

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	191
CBPS	50
EMPP	294
KLPP	72
NPRI	75
PCGP	86
SGRI	107
SKSP	31
SPGP	4
<b>Total Gas</b>	<b>939</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	257,203	61.91 %
LSS	6,193	1.49 %
Hydro	13,912	3.35 %
Gas	138,468	33.33 %
Co-Gen	-842	-0.20 %
<b>Total Generation</b>	<b>414,934</b>	<b>99.88 %</b>
PLTG	183	0.04 %
HVDC	-702	-0.17 %
<b>Interconnection</b>	<b>-519</b>	<b>-0.12 %</b>
<b>Net Energy</b>	<b>415,453</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	403
Hydro	349
Syncon	529
Thermal	205
<b>Total</b>	<b>1,486</b>

**Total Gas Required 939**

#### Time Weather Temperature

Afternoon	Hot	36
Morning	Cloudy	25

### 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	17762	16922	16288	15795	15280	14953	15060	14968	15108	16548	17377	17824	17858	17527	18088	18979	19304	19102	17833	17836	18951	18936	18472	18289

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 17, 2024 2:48:58 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Friday

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	19	126	263	398	526	625	711	819	848	976	891	863	852
ESTL	ESTL	12	12	2	12	16	19	17	18	16	14	10	0	19	22	22	23	21	14	12	12	10	14	16	
PCUF	CUFG	16	17	6	3	3	3	5	3	4	4	3	3	3	3	4	4	3	4	4	5	4	4	3	
PCUF	CUFK	2	2	4	3	4	1	3	0	4	3	2	4	3	4	4	6	2	3	3	4	3	3	1	
Total NEDA Co-Gen		30	31	12	18	19	20	27	20	26	23	19	17	6	26	29	30	33	26	21	19	21	17	21	
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		17862	17376	16968	16601	16351	16100	15811	15586	15322	15111	15026	15030	15103	15236	14990	14743	15081	15948	16519	16910	17379	17654	17778	
KHTC	BLK1	-54	-54	-51	-50	-53	-52	-49	-47	-47	-46	-45	-46	-48	-50	-47	-49	-49	-52	-56	-64	-65	-67	-67	
Total Franchise Area		-54	-54	-51	-50	-53	-52	-49	-47	-47	-46	-45	-46	-48	-50	-47	-49	-49	-52	-56	-64	-65	-67	-67	
Singapore		76	84	27	49	42	78	-1	19	27	45	61	21	27	46	7	-39	-43	-25	-52	-24	-30	-1	-81	
Thailand		-28	-31	-29	-30	-29	-28	-29	-28	-29	-30	-30	-29	-29	-30	-30	-31	-28	-28	-29	-29	-29	-31	-30	
Interconnection		49	53	-2	19	13	50	-30	-10	-2	17	31	-9	-2	18	-22	-68	-73	-56	-82	-52	-60	-31	-110	
Total Demand		17762	17272	16922	16535	16288	16001	15795	15552	15280	15051	14953	14996	15060	15171	14968	14765	15108	15955	16548	16901	17377	17621	17824	
SRev ST-Coal		187	177	187	196	209	215	190	196	210	172	203	199	218	187	191	211	234	221	154	185	180	186	199	
SRev CCGT-Gas		634	443	595	931	789	997	1312	1543	1945	2145	2316	2311	2229	2105	2350	2217	2098	1391	1016	678	453	319	303	
SRev Co-Gen		-1	0	0	0	1	0	-1	0	0	1	-1	-2	-1	2	-1	0	0	0	-1	1	0	0	0	
Syncon		703	703	791	791	791	741	892	741	892	892	892	892	892	892	892	892	892	892	892	892	892	892	892	
Hydro		332	407	334	362	392	255	121	253	156	202	179	182	161	203	214	219	205	188	340	231	456	240	231	
S.Reserve Total		1855	1730	1907	2280	2182	2208	2514	2733	3203	3412	3589	3582	3499	3389	3646	3539	3429	2692	2250	1987	1643	1450	1438	