

### Availability at Daily Maximum Demand Hour

ST-Coal	9,332 MW
ST-Gas	296 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,262 MW
Distillate	0 MW
Others	0 MW
Gas	8,925 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,455 MW</b>
<b>Total System w/o solar</b>	<b>20,815 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
TJGS	118	<b>Total</b>	<b>0</b>
CBPS	37		
EMPP	145		
KLPP	37		
NPRI	116		
PCGP	70		
PGLA	54		
SGRI	32		
SPGP	75		
PKLG	57		
<b>Total Gas</b>	<b>741</b>		

### Alternate Fuel Usage

### Set On Bus And MD

Daily Maximum Demand Hour at:	21:30:00 Hour
Total Set On Bus	19,367 MW
Spinning Reserve	1,730 MW
Maximum Demand	17,500 MW
Net Energy	356,563 MWH
Load Factor	85 %
Operating Reserve	3,315 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	214,575	60.18 %
ST-Gas	5,521	1.55 %
LSS	8,114	2.28 %
Hydro	19,741	5.54 %
Gas	107,564	30.17 %
Co-Gen	1,047	0.29 %
<b>Total Generation</b>	<b>356,562</b>	<b>100.00 %</b>

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,940
Hydro	326
Syncon	651
Thermal	587
<b>Total</b>	<b>3,504</b>

**Total Gas Required 741**

PLTG	696	0.20 %
EGAT	6	0.00 %
HVDC	-703	-0.20 %
<b>Interconnection</b>	<b>-1</b>	<b>0.00 %</b>
<b>Net Energy</b>	<b>356,563</b>	<b>100.00 %</b>

### 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	15917	15313	14733	14224	13798	13569	13572	13185	12614	13016	13436	13852	13876	14253	14626	14982	15271	15406	15345	16314	17358	17458	17248	16839

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, November 5, 2024 10:19:47 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																														
TMGR	HYDR	293	290	320	172	145	146	105	89	82	79	79	84	112	69	66	71	70	41	57	85	75	40	53	36	70	236	236	216	307	275	286	285	285	246	246	285	285	285	274	282	247	243	263	242	246	292	327							
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2					
Total Hydro		1011	1004	1059	894	859	864	828	591	577	506	502	459	486	466	380	375	381	378	367	409	371	439	376	413	368	370	642	746	707	790	813	1057	1056	1159	1076	856	936	1030	1090	1186	1329	1346	1340	1391	1323	1385	1701	1466						
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	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	2	64	203	373	635	782	916	1089	1182	1245	1282	1240	1113	1019	971	808	850	618	541	436	375	295	154	45	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	12	18	18	10	18	16	17	17	16	21	18	15	15	12	13	16	9	16	19	14	12	13	0	12	10	14	18	0	10	9	10	0	0	6	2	11	10	9	8	0	16	1	0	10	0	12	10	13						
KHTC	BLK1	9	8	7	9	8	10	8	9	9	9	10	8	8	10	11	4	3	5	7	4	8	4	7	2	6	8	4	5	8	5	7	4	4	2	6	4	4	5	3	5	3	3	5	7	4	4	2							
PCUF	CUFG	19	18	20	20	19	20	19	19	18	18	19	18	19	18	18	19	17	17	19	18	18	16	17	17	16	17	16	18	17	17	17	17	16	17	17	17	16	16	17	16	17	17	16	17	17	17	16							
PCUF	CUFK	16	15	15	16	14	14	15	15	14	14	15	14	14	14	14	14	14	12	8	6	6	5	3	3	1	0	1	2	2	1	4	2	2	4	4	4	4	10	11	12	12	10	12	10	11	12	0	0						
Total NEDA Co-Gen		56	59	60	55	59	60	59	60	57	62	61	57	56	52	56	60	46	50	55	47	40	43	26	39	31	38	42	23	34	36	33	28	23	28	25	38	35	39	40	32	49	31	32	41	35	45	31	31						
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	0	0	0			
Total Generation		15926	15614	15290	15050	14738	14449	14245	14026	13811	13724	13599	13476	13556	13591	13145	12641	12593	12730	12903	13115	13309	13611	13691	13877	13838	13891	14182	14448	14587	14795	14958	15218	15303	15565	15518	15340	15353	15526	16281	17241	17481	17612	17601	17634	17329	17071	16881	16473						
Total Franchise Area		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	0				
Singapore		40	92	9	21	38	8	52	65	45	42	62	52	17	13	-8	-23	12	-39	-80	-57	-95	-32	-130	-73	-5	-67	-40	-5	-7	6	8	25	64	93	144	91	39	16	-2	19	154	153	176	165	114	71	75	72						
Thailand		-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28					
Interconnection		12	63	-20	-9	8	-21	24	36	16	13	33	22	-13	-16	-37	-53	-18	-69	-110	-86	-124	-61	-158	-102	-35	-95	-68	-34	-36	-24	-21	-4	35	65	115	62	11	-13	-30	-10	126	123	146	137	84	41	45	44						
Total Demand		15917	15554	15313	15062	14733	14473	14224	13993	13798	13714	13569	13457	13572	13610	13185	12697	12614	12802	13016	13204	13436	13675	13852	13982	13876	13989	14253	14485	14626	14822	14982	15225	15271	15503	15406	15281	15345	15542	16314	17254	17358	17492	17458	17500	17248	17033	16839	16432						
SRev ST-Coal		173	199	151	218	243	416	345	558	722	720	736	679	684	677	733	830	769	771	780	775	764	765	752	764	765	776	770	738	617	564	551	441	359	325	238	169	165	250	181	161	233	205	257	314	430	418	173	170						
SRev CCGT-Gas		1267	1549	1997	2080	2131	2304	2468	2449	2430	2455	2469	2448	2440	2396	2604	2633	2546	2615	2491	2462	2412	2625	2538	2123	2663	2509	2513	2447	2476	2349	2304	2513	2518	2464	2515	2504	2711	2713	2235	1351	999	795	749	720	835	1176	1401	1592						
SRev ST-Gas		78	78	78	77	77	77	77	76	76	76	76	77	78	78	78	76	76	77	77	77	77	77	77	77	77	77	76	76	78	77	38	38	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	41	56				
SRev Co-Gen		0	0	-1	3	0	1	0	0	1	1	-1	0	-1	0	0	0	-1	2	0	1	-1	0	0	0	-1	1	-3	-1	0	0	0	-1	0	0	5	1	0	1	0	0	0	0	0	0	-1	0	0	0						
Syncon		525	375	374	525	525	525	525	626	713	814	814	814	814	663	814	815	814	814	1053	1052	1153	965	1053	1053	1053	1053	727	878	878	878	727	676	676	489	489	676	676	676	338	374	374	187	187	187	187	374	0	374						
Hydro		364	371	467	481	516	511	547	596	523	493	497	492	485	531	466	470	465	468	310	269	216	311	286	249	294	167	332	202	241	158	310	117	118	202	285	318	238	144	422	390	347	517	523	472	540	291	349	210						
S.Reserve Total		2407	2572	3066	3384	3492	3834	3962	4305	4465	4559	4591	4510	4500	4345	4695	4823	4672	4745	4712	4634	4622	4743	4706	4246	4850	4582	4415	4342	4289	3987	3930	3785	3709	3518	3570	3707	3828	3822	3214	2314	1992	1742	1755	1730	2030	2297	1964	2402						