

### Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,779 MW
Distillate	0 MW
Others	0 MW
Gas	9,821 MW
Co-Gen	0 MW
<b>Total System</b>	<b>24,102 MW</b>
<b>Total System w/o solar</b>	<b>22,512 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	151
EMPP	240
KLPP	35
NPRI	64
PCGP	73
PGLA	90
SGRI	1
SKSP	46
SPGP	172
<b>Total Gas</b>	<b>902</b>

### Alternate Fuel Usage

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

### Set On Bus And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	20,117 MW
Spinning Reserve	1,408 MW
Maximum Demand	18,695 MW
Net Energy	393,930 MWH
Load Factor	88 %
Operating Reserve	4,743 MW

### Generation Mix

Type	MWh	Percentage
ST-Coal	235,670	59.83 %
LSS	9,882	2.51 %
Hydro	12,608	3.20 %
Gas	134,326	34.10 %
Co-Gen	330	0.08 %
<b>Total Generation</b>	<b>392,816</b>	<b>99.72 %</b>
PLTG	-420	-0.11 %
HVDC	-694	-0.18 %
<b>Interconnection</b>	<b>-1,114</b>	<b>-0.28 %</b>
<b>Net Energy</b>	<b>393,930</b>	<b>100.00 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,721
Hydro	301
Syncon	446
Thermal	202
<b>Total</b>	<b>2,670</b>

**Total Gas Required 902**

#### Time Weather Temperature

Afternoon	Hot	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	16169	15464	14815	14423	14000	13917	14199	14317	14487	15735	16116	16759	16673	16511	17058	17902	18433	18521	17575	17636	18586	18343	17779	17386

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 2, 2024 12:58:05 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	0	1	37	152	331	508	776	989	1125	1233	1219	1385	1227	1296	1458	1435	1192	1115	1108	1166	926	515	394	145	50	3	0	0	0	0	0	0	0	0	0				
ESTL	ESTL	8	0	8	19	18	13	26	24	20	5	15	18	6	14	24	19	22	23	24	18	18	23	22	20	21	21	22	12	8	19	23	7	9	10	4	4	21	14	18	26	23	19	18	19	14	21	14	22	
KHTC	BLK1	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	4	2	6	3	2	3	2	1	4	0	0	0	0	0	0	0				
PCUF	CUFG	15	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	15	14	14	13	12	12	13	13	13	12	13	13	12				
PCUF	CUFK	16	17	18	16	16	17	17	16	17	17	18	18	17	18	18	19	18	17	15	13	14	12	12	14	10	11	9	9	8	10	10	9	9	8	9	9	8	7	7	9	6	7	7	12	11	12	13		
Total NEDA Co-Gen		39	17	26	35	34	30	43	40	37	22	33	36	24	31	42	37	41	41	41	33	31	37	34	32	35	31	33	21	17	27	33	17	18	19	12	17	32	28	43	49	49	40	38	42	39	45	39	47	
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		16132	15745	15408	15085	14785	14683	14390	14236	13970	13907	13853	14024	14112	14452	14254	14134	14404	15218	15685	15943	16050	16522	16659	16972	16679	16563	16510	16795	16983	17539	17914	18124	18457	18717	18605	18086	17592	17317	17596	18570	18586	18519	18350	18139	17764	17701	17371	17190	
KHTC	BLK1	-10	-10	-10	-7	-6	-11	-7	-7	-6	-5	-7	-7	-11	-9	-12	-9	-19	-21	-22	-26	-30	-36	-32	-33	-35	-36	-40	-29	-33	-8	-37	-10	-10	0	0	0	0	0	0	0	0	0	0	0	-16	-13	-15	-13	
PCUF	CUFG	0	0	-9	-10	-9	-10	-9	-9	-8	-9	-9	-8	-8	-8	-9	-10	-10	-11	-11	-11	-11	-11	-8	-7	-8	-8	-6	-6	-2	-2	-1	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Franchise Area		-10	-10	-19	-20	-16	-20	-16	-15	-15	-14	-16	-15	-19	-17	-20	-18	-29	-31	-33	-37	-41	-47	-43	-44	-43	-43	-48	-37	-39	-14	-39	-12	-11	-2	-2	-2	0	0	0	0	0	0	0	0	0	-16	-13	-15	-13
Singapore		-15	-20	-43	-103	-14	16	-22	-22	-13	-28	-46	-10	-71	-21	-49	-32	-70	-125	-50	-98	-71	-91	-115	-17	-6	-38	-10	-1	-80	-25	32	76	45	44	115	53	48	-12	-6	20	33	-12	37	-34	2	-20	1	31	
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-31	-29	-29	-29	-31	-28	-30	-30	-30	-28	-30	-27	-31	-28	-31	-28	-28	-30	-30	-28	-28	-28	
Interconnection		-44	-50	-72	-132	-43	-13	-50	-51	-42	-56	-75	-39	-99	-50	-77	-61	-98	-154	-78	-127	-100	-121	-144	-46	-35	-67	-41	-30	-109	-53	1	47	15	14	85	25	18	-39	-37	-8	3	-39	10	-64	-28	-48	-27	3	
Total Demand		16169	15788	15464	15200	14815	14683	14423	14274	14000	13951	13917	14050	14199	14486	14317	14178	14487	15346	15735	16040	16116	16605	16759	16978	16673	16590	16511	16780	17058	17556	17902	18041	18433	18695	18521	18062	17575	17359	17636	18581	18586	18561	18343	18206	17779	17739	17386	17177	
SRev ST-Coal		208	196	208	464	482	465	532	553	634	634	805	798	799	744	736	742	606	594	389	242	261	186	190	186	199	253	256	180	187	174	179	188	172	179	199	202	186	183	184	177	174	190	195	173	181	186	192	185	
SRev CCGT-Gas		2562	2920	2899	2851	3073	3116	3118	3133	3095	3160	3076	3105	3036	2724	2892	2871	2865	2466	2389	2733	2815	2711	2704	2406	2818	2785	2829	2793	2588	1798	1358	1144	1154	627	372	774	1020	1368	1310	581	748	862	1039	1100	1343	1393	1838	1847	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	1	1	0	-1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		516	516	516	516	516	365	516	516	617	466	617	516	516	516	516	516	704	704	704	704	704	554	704	704	704	704	704	704	704	704	704	515	364	213	213	364	364	364	364	364	364	238	238	238	364	364	238	238	
Hydro		167	99	88	137	148	275	174	174	210	343	217	126	92	138	283	326	324	330	205	224	227	219	215	188	225	134	209	212	195	209	198	145	66	238	372	425	434	355	301	266	186	240	240	241	236	250	254	441	
S.Reserve Total		3453	3731	3711	3968	4219	4221	4340	4376	4556	4603	4715	4545	4443	4122	4427	4455	4310	3906	3687	3903	4008	3821	3663	3483	3946	3877	3998	3890	3674	2885	2439	2181	1907	1408	1156	1614	2004	2270	2159	1388	1472	1530	1712	1752	2124	2194	2522	2711	