

### Availability at Daily Maximum Demand Hour

ST-Coal	10,457 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,068 MW
Distillate	0 MW
Others	0 MW
Gas	8,153 MW
Co-Gen	0 MW
<b>Total System</b>	<b>22,908 MW</b>
<b>Total System w/o solar</b>	<b>21,268 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:	19:30:00 Hour
Total Set On Bus	20,526 MW
Spinning Reserve	1,564 MW
Maximum Demand	18,970 MW
Net Energy	405,395 MWH
Load Factor	89 %
Operating Reserve	2,298 MW

### Gas Usage

Station	(mmscfd)
TJGS	71
CBPS	10
EMPP	252
KLPP	37
NPRI	61
PCGP	79
PGLA	90
SGRI	32
SKSP	43
SPGP	183
PKLG	41
<b>Total Gas</b>	<b>899</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
ST-Coal	242,276	59.76 %
ST-Gas	4,045	1.00 %
LSS	8,504	2.10 %
Hydro	17,297	4.27 %
Gas	131,921	32.54 %
Co-Gen	724	0.18 %
<b>Total Generation</b>	<b>404,767</b>	<b>99.85 %</b>

### Fuel Cost

#### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,299
Hydro	334
Syncon	496
Thermal	229
<b>Total</b>	<b>2,358</b>

**Total Gas Required 899**

PLTG	61	0.02 %
HVDC	-689	-0.17 %
<b>Interconnection</b>	<b>-628</b>	<b>-0.15 %</b>
<b>Net Energy</b>	<b>405,395</b>	<b>100.00 %</b>

#### Time Weather Temperature

Afternoon	Rainy	30
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	16801	15992	15326	14852	14421	14362	14570	14488	14824	16286	16957	17580	17584	17444	18343	18685	18927	18514	17696	18155	18793	18663	18147	17676

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 16, 2024 9:28:39 AM

(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																													
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	148	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	101	-2	-2	-2	-2	-2	97	85	83	185	182	187	89	134	91	-2																
Total Hydro		751	420	354	485	357	408	338	356	292	282	437	522	436	582	277	282	359	373	318	319	360	457	495	540	567	464	425	455	586	690	667	659	814	936	1049	1004	974	1103	1360	1452	1571	1722	1679	1540	1185	1239	1301	1037					
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	0	
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	80	229	431	617	792	853	988	1060	1251	1179	1299	1184	1158	1083	1118	983	956	624	461	318	193	114	39	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	20	21	20	18	20	19	23	24	21	22	26	22	23	21	17	17	15	10	24	9	11	7	0	0	0	4	4	0	5	4	6	5	4	4	4	5	6	37	55	50	9	12	10	13	13	6	5	6					
PCUF	CUFG	6	9	6	8	8	7	9	9	10	11	12	12	12	14	13	12	7	13	13	11	12	6	9	9	6	10	8	11	11	6	11	7	10	9	15	11	12	15	14	16	14	13	11	11	15	14	11	10					
PCUF	CUFK	19	19	18	19	20	18	18	19	18	18	17	17	17	19	19	17	17	18	18	16	13	14	11	17	14	14	15	14	12	10	13	12	13	12	15	15	15	14	16	15	17	20	20	19	20	21	22						
Total NEDA Co-Gen		45	49	44	45	48	44	50	52	49	51	55	51	52	52	49	48	39	40	55	38	39	26	23	20	23	28	26	26	30	22	27	25	26	26	31	31	33	67	83	82	38	42	41	44	47	40	37	38					
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		16796	16239	15976	15663	15266	15100	14877	14591	14410	14277	14325	14358	14514	14788	14473	14339	14755	15577	16221	16627	16897	17331	17576	17769	17490	17339	17362	17767	18357	18736	18723	18768	18850	18804	18549	18101	17749	17654	18165	18982	18838	18748	18661	18527	18109	18002	17639	17117					
ESTL	ESTL	0	0	-8	0	0	-12	-15	-11	-8	-7	-11	-2	-10	-2	0	0	0	-15	-10	-8	-19	-8	-16	-20	-16	-18	-20	-16	-5	-10	-12	-22	-12	-15	-14	-13	-29	-25	-23	-8	-13	-14	-14	-12	-14	-3	-9						
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total Franchise Area		0	0	-8	0	0	-12	-15	-11	-8	-7	-11	-2	-10	-2	0	0	0	-15	-10	-8	-19	-8	-16	-20	-16	-18	-20	-16	-5	-10	-12	-22	-12	-15	-14	-13	-29	-25	-23	-8	-13	-14	-14	-12	-14	-3	-9						
Singapore		29	35	10	9	-28	3	43	36	12	21	-16	-47	-34	14	-6	-37	-119	-49	-18	-37	-40	19	84	-87	-105	-69	-47	29	149	60	70	-68	-20	51	57	71	7	17	20	68	-6	16	-8	-19	48	-9	-23						
Thailand		-30	-30	-31	-29	-30	-29	-29	-31	-29	-29	-29	-30	-30	-28	-29	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28				
Interconnection		-2	4	-21	-20	-57	-25	13	5	-16	-7	-45	-76	-63	6	-14	-35	-66	-148	-77	-46	-65	-69	-9	56	-115	-133	-97	-76	1	121	31	42	-96	-49	23	29	43	-22	-12	-8	40	-35	-13	-37	-47	20	-37	-52					
Total Demand		16801	16238	15992	15686	15326	15116	14852	14578	14421	14280	14362	14435	14570	14783	14488	14377	14824	15728	16286	16666	16957	17384	17580	17697	17584	17459	17444	17826	18343	18613	18685	18717	18927	18844	18514	18061	17696	17650	18155	18970	18793	18773	18663	18553	18147	17971	17676	17163					
S.Rev ST-Coal		176	192	190	231	219	265	248	609	629	643	700	690	674	681	475	497	530	357	268	186	183	178	176	189	173	185	180	187	193	171	178	169	191	190	191	179	193	185	173	165	208	188	190	200	191	200	171	225					
S.Rev CCGT-Gas		1873	2158	2351	2524	2677	2742	2903	2806	2839	2917	2723	2770	2554	2571	2873	3063	2839	2573	2126	1961	1797	1587	1451	1478	1751	1942	1868	1510	1064	838	761	838	908	914	1273	1093	1324	1285	870	728	984	1198	1258	1211	1286	1301	1152	1336					
S.Rev ST-Gas		8	7	8	6	7	7	6	45	42	40	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39			
S.Rev Co-Gen		0	0	7	0	-1	0	0	0	1	1	0	-3	-1	0	0	0	0	1	2	2	0	-1	-1	0	-2	-2	1	0	0	1	-1	0	0	1	0	0	-1	-2	0	0	0	0	0	0	0	0	0	0	0	1			
Syncon		700	851	851	851	851	851	952	952	952	851	700	851	664	952	801	952	952	952	952	952	714	714	714	714	714	714	713	462	425	613	612	525	525	525	374	374	374	187	187	187	187	0	0	187	187	187	525						
Hydro		419	124	190	59	187	136	206	87	151	161	107	173	108	149	166	312	84	70	125	124	83	349	311	266	239	342	381	352	322	405	340	349	281	294	181	377	557	455	385	443	324	173	403	542	723	669	607	533					
S.Reserve Total		3176	3332	3597	3671	3940	4001	4214	4499	4614	4714	4419	4369	4225	4104	4505	4712	4444	3992	3512	3264	3054	2866	2690	2686	2914	3220	3183	2801	2080	1879	1930	2007	1944	1963	2209	2062	2486	2336	1654	1564	1745	1786	1890	1991	2425	2395	2156	2659					