

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	180 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	7,399 MW
Co-Gen	0 MW
Total System	21,978 MW
Total System w/o solar	20,388 MW

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:	20:30:00 Hour
Total Set On Bus	19,754 MW
Spinning Reserve	1,194 MW
Maximum Demand	18,584 MW
Net Energy	389,024 MWH
Load Factor	87 %
Operating Reserve	1,804 MW

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	SGRI	0
SRDG	3	Total	0
TJGS	179		
EMPP	261		
KLPP	62		
NPRI	121		
PCGP	83		
SGRI	90		
PKLG	38		
Total Gas	867		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	240,052	61.71 %
ST-Gas	3,670	0.94 %
LSS	9,416	2.42 %
Hydro	16,279	4.18 %
Distillate	31	0.01 %
Gas	121,659	31.27 %
Co-Gen	-2,961	-0.76 %
Total Generation	388,146	99.77 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	626
Hydro	420
Syncon	665
Thermal	217
Total	1,928

Total Gas Required 868

PLTG	-185	-0.05 %
HVDC	-693	-0.18 %
Interconnection	-878	-0.23 %
Net Energy	389,024	100.00 %

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	24

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	15685	14974	14361	13967	13697	13544	13971	14116	14321	15618	16125	16645	16517	16257	16885	17826	18132	18071	17116	17378	18561	18509	17985	17440

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
9:20:06 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																														
Total Hydro		543	390	372	320	320	320	318	323	312	327	350	330	418	408	408	368	400	408	406	404	420	355	356	357	347	417	306	301	495	763	879	1006	942	1273	1415	1046	646	536	894	1483	1591	1628	1574	1405	1195	1135	1077	849						
SGRI	GT11	63	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 Distillate		63	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	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
PCUF	CUFG	5	6	6	5	6	6	4	5	5	6	5	6	7	7	7	8	7	5	5	8	7	7	7	6	6	7	7	9	7	10	6	4	5	7	5	8	5	5	4	4	3	3	3	3	3	3	5	4	4	4	4			
PCUF	CUFK	3	3	3	4	3	12	15	17	17	18	17	16	17	19	4	4	4	2	4	2	3	2	2	3	2	2	3	3	3	4	4	3	3	15	20	29	28	28	27	30	28	28	29	28	29	29	29	29	29	29	29	29		
PFTZ	PFTZ	2	4	4	4	4	4	4	4	2	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Total NEDA Co-Gen		10	13	13	13	13	22	23	26	24	28	26	24	28	30	15	16	15	11	13	14	14	13	13	13	12	13	14	16	14	18	14	11	12	26	29	41	37	37	35	38	35	35	34	35	38	37	37	37	37	37	37			
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	0	0	0
Total Generation		15791	15395	15106	14829	14484	14396	14079	13867	13825	13828	13706	13775	14010	14329	14214	14071	14370	15245	15629	16012	16145	16716	16768	16819	16611	16263	16307	16767	17083	17786	17994	18156	18206	18445	18255	17796	17273	17167	17598	18568	18711	18707	18661	18446	18108	17877	17521	17203						
ESTL	ESTL	-28	-32	-33	-44	-41	-44	-42	-41	-44	-45	-34	-47	-31	-29	-28	-27	-28	-32	-36	-33	-34	-30	-27	-29	-32	-33	-33	-36	-35	-31	-27	-28	-35	-35	-38	-39	-40	-31	-25	-34	-34	-35	-39	-38	-36	-27	-28	-38						
KHTC	BLK1	-106	-106	-106	-102	-105	-102	-103	-102	-104	-114	-112	-111	-113	-113	-115	-112	-113	-119	-119	-115	-116	-117	-119	-121	-123	-124	-124	-128	-127	-125	-122	-125	-124	-95	-75	-74	-73	-119	-123	-117	-115	-116	-110	-112	-114	-112	-114							
Total Franchise Area		-134	-138	-139	-146	-146	-145	-143	-148	-149	-148	-159	-142	-142	-141	-142	-140	-145	-155	-152	-149	-146	-144	-148	-153	-156	-157	-160	-163	-158	-152	-150	-160	-159	-133	-114	-114	-104	-144	-157	-151	-150	-155	-148	-148	-141	-140	-152							
Singapore		4	22	24	-20	8	-10	-2	-19	11	29	45	-17	-71	-22	-10	-11	-60	-14	-113	-115	-96	-62	11	-15	-26	-145	-76	-37	67	59	51	26	-54	-71	82	30	76	49	107	-3	29	4	28	36	6	-59	-28	-18						
Thailand		-29	-28	-28	-29	-29	-28	-28	-30	-28	-31	-28	-28	-29	-30	-28	-28	-30	-28	-28	-30	-29	-29	-30	-30	-29	-29	-28	-28	-31	-31	-29	-28	-28	-30	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28				
Interconnection		-25	-7	-4	-48	-20	-39	-30	-50	-17	-1	17	-45	-100	-52	-40	-39	-88	-44	-141	-144	-126	-92	-18	-44	-56	-175	-104	-66	38	31	19	-6	-83	-100	54	2	46	19	79	-31	2	-24	0	8	-22	-87	-56	-46						
Total Demand		15685	15267	14974	14734	14361	14292	13967	13777	13697	13683	13544	13664	13971	14242	14116	13971	14321	15147	15618	16007	16125	16665	16645	16718	16517	16285	16257	16676	16885	17600	17826	18015	18132	18389	18071	17683	17116	17047	17378	18445	18561	18584	18509	18293	17985	17826	17440	17100						
SRev ST-Coal		165	156	178	189	382	371	503	562	586	574	594	596	572	505	486	491	495	282	220	195	242	222	190	203	212	218	253	196	199	197	177	199	204	190	214	192	219	198	208	187	177	199	186	190	220	176	132	196						
SRev OCGT-Gas		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	3	2	0	1	0	0	0	0					
SRev CCGT-Gas		1189	1386	1447	1662	1814	1921	2048	2176	2098	2136	2246	2158	2048	1806	2016	2176	2030	1559	1427	1297	1187	905	1076	1063	1364	1650	1480	1170	960	550	295	394	260	159	175	522	656	786	592	154	158	143	149	192	148	291	633	665						
SRev ST-Gas		27	27	27	27	27	27	27	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	27	-1	0	0	26	26	27	27	-1	0	0	0	-1	-1	0	0	19						
SRev Distillate		77	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				
Syncon		1103	1204	1204	1204	1204	1204	1054	1053	1204	1204	1204	1054	1053	1204	1204	1204	1204	1204	1053	1204	1204	1204	1204	1053	1204	1204	1204	1204	916	729	641	515	515	364	239	604	1103	1103	765	277	277	277	277	277	277	464	590	678	1104					
Hydro		310	212	230	182	182	182	184	330	190	225	252	272	335	194	194	234	202	194	196	198	283	172	171	170	180	269	129	134	228	247	132	368	432	332	477	295	232	342	322	395	611	574	628	797	670	604	574	376						
S.Reserve Total		2871	2985	3087	3263	3608	3704	3818	4147	4104	4167	4325	4108	4035	3736	3927	4132	3958	3266	3074	2921	2792	2530	2668	2666	2986	3217	3093	2730	2329	1749	1271	1503	1411	1045	1105	1639	2236	2456	1914	1012	1225	1194	1242	1455	1500	1661	2016	2360						