

Availability at Daily Maximum Demand Hour

ST-Coal	9,332 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,262 MW
Distillate	0 MW
Others	0 MW
Gas	8,151 MW
Co-Gen	0 MW
Total System	21,975 MW
Total System w/o solar	20,335 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:	16:30:00 Hour
Total Set On Bus	20,052 MW
Spinning Reserve	1,079 MW
Maximum Demand	18,967 MW
Net Energy	403,114 MWH
Load Factor	89 %
Operating Reserve	2,070 MW

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
TJGS	162	Total	0
CBPS	42		
EMPP	15		
KLPP	60		
NPRI	134		
PCGP	80		
PGLA	92		
SGRI	99		
SKSP	23		
SPGP	193		
PKLG	3		
Total Gas	903		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	218,925	54.31 %
ST-Gas	276	0.07 %
LSS	10,593	2.63 %
Hydro	27,604	6.85 %
Gas	145,048	35.98 %
Co-Gen	1,652	0.41 %
Total Generation	404,098	100.24 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,099
Hydro	277
Syncon	372
Thermal	158
Total	1,906

Total Gas Required 903

PLTG	265	0.07 %
HVDC	719	0.18 %
Interconnection	984	0.24 %
Net Energy	403,114	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	16770	15985	15426	14915	14405	14162	14249	14324	14736	16178	16787	17254	17353	17381	18006	18525	18811	18531	17697	18184	18744	18513	17932	17575

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, November 5, 2024 10:36:42 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																												
TMGR	HYDR	281	115	33	33	33	33	63	29	29	83	83	79	79	34	33	34	111	116	253	333	333	333	333	332	331	325	332	332	331	327	329	332	332	329	332	330	329	329	324	321	324	326	324	320	327	327	328					
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				
Total Hydro		1434	1054	698	596	596	561	469	533	425	415	515	574	584	527	440	425	426	534	586	764	885	955	1057	1329	1286	1278	1270	1643	1735	1704	1534	1542	1646	1922	1853	1610	1610	1540	1641	1849	1721	1623	1624	1619	1503	1897	1579	1273				
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			
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	81	224	463	755	965	1161	1223	1318	1360	1439	1409	1499	1358	1322	1255	1281	1121	995	702	559	399	218	73	7	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	12	0	16	22	21	18	16	13	13	0	11	2	20	20	9	11	19	16	15	12	17	18	17	14	1	3	12	12	13	14	17	17	10	6	0	4	10	16	0	10	11	10	0	11	11	12	2	12				
KHTC	BLK1	6	3	4	5	7	7	5	6	6	2	3	5	5	8	6	6	5	3	4	1	1	2	2	5	5	3	6	2	5	5	3	5	7	5	4	6	6	5	6	4	5	5	7	3	3	6	5	7				
PCUF	CUFG	19	19	18	18	18	17	17	15	15	14	14	15	15	13	15	14	15	14	15	14	13	13	13	13	13	13	16	15	16	17	17	18	18	19	19	19	20	21	20	21	21	21	22	19	18	20	20	18				
PCUF	CUFK	27	31	29	30	30	30	30	28	29	30	30	30	30	29	30	29	30	29	29	28	26	27	28	27	28	27	27	27	27	27	26	26	28	27	27	28	29	30	29	30	31	30	30	30	30	30	30	30	30			
PFTZ	PFTZ	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7				
Total NEDA Co-Gen		71	60	74	82	83	79	75	69	70	53	65	59	76	78	67	68	76	69	71	63	68	70	68	66	54	54	68	63	68	70	71	73	69	66	57	63	71	78	63	71	75	74	66	70	69	75	64	74				
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		16726	16350	15983	15696	15401	15123	14926	14670	14445	14291	14185	14214	14257	14414	14315	14203	14688	15535	16157	16468	16802	17063	17252	17455	17345	17188	17379	17793	18159	18774	18712	18723	18752	18970	18666	18323	17869	17605	18250	18986	18819	18828	18616	18464	18106	17918	17651	17395				
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		-72	-72	-30	-46	-50	7	-16	-2	14	-41	-5	-59	-20	-6	-37	-50	-76	-42	-47	-7	-10	-53	-28	-38	-34	-103	-28	14	125	234	161	-6	-87	-24	109	140	145	56	39	45	48	77	76	130	147	32	51	-29				
Thailand		31	29	31	31	29	29	30	29	29	30	31	31	31	31	29	31	30	29	30	29	31	29	31	29	29	29	31	31	31	31	32	29	29	30	30	29	29	31	31	29	29	31	31	29	29	31	28	28	30			
Interconnection		-41	-43	1	-15	-22	36	14	27	43	-10	26	-28	11	25	-6	-20	-45	-11	-18	23	18	-22	1	-7	-5	-73	1	46	156	263	190	25	-56	6	138	170	175	85	69	76	78	107	106	160	177	60	79	0				
Total Demand		16770	16396	15985	15714	15426	15090	14915	14646	14405	14304	14162	14245	14249	14392	14324	14226	14736	15549	16178	16448	16787	17088	17254	17465	17353	17273	17381	17750	18006	18514	18525	18701	18811	18967	18531	18156	17697	17523	18184	18913	18744	18724	18513	18307	17932	17861	17575	17398				
SRev ST-Coal		184	189	164	182	182	158	262	242	255	221	236	354	345	377	343	378	351	244	144	173	162	160	149	170	170	160	149	176	162	167	156	149	162	171	166	205	152	147	151	131	151	134	151	159	150	157	161	280				
SRev CCGT-Gas		1664	1625	1676	1800	2036	2267	2264	2598	2703	2864	2320	2225	2215	1974	2013	2151	1845	1448	1272	1312	1311	1296	1588	1691	1810	1939	1855	1641	1350	787	717	635	652	630	861	1087	1420	1724	1311	839	862	771	939	1082	1332	1313	1247	1308				
SRev ST-Gas		38	39	38	36	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SRev Co-Gen		0	1	0	1	0	0	0	0	0	2	-1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		374	563	802	953	953	1054	1054	1054	1054	1054	1054	903	903	1054	966	966	878	727	727	576	576	576	576	576	187	0	0	187	187	187	187	0	0	374	374	374	374	187	187	188	374	374	374	187	188	374						
Hydro		342	296	413	364	364	399	390	413	386	396	296	237	227	284	522	537	385	365	313	223	388	318	367	95	138	146	154	170	265	296	279	271	167	278	397	166	166	236	235	214	342	253	252	257	373	166	297	403				
S.Reserve Total		2602	2713	3093	3336	3567	3777	3970	4307	4398	4537	3905	3871	3841	3689	3781	3969	3635	3023	2695	2586	2588	2501	2680	2532	2693	2821	2733	2174	1776	1248	1340	1242	1170	1079	1424	1833	2112	2481	2071	1371	1541	1346	1716	1872	2229	1823	1893	2365				