

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	220 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	7,615 MW
Co-Gen	0 MW
Total System	22,234 MW
Total System w/o solar	20,644 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:	20:00:00 Hour
Total Set On Bus	20,026 MW
Spinning Reserve	1,164 MW
Maximum Demand	18,913 MW
Net Energy	400,933 MWH
Load Factor	88 %
Operating Reserve	1,731 MW

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	198
EMPP	272
KLPP	78
NPRI	126
PCGP	87
SGRI	96
PKLG	41
Total Gas	929

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	241,376	60.20 %
ST-Gas	4,066	1.01 %
LSS	8,941	2.23 %
Hydro	17,597	4.39 %
Gas	131,161	32.71 %
Co-Gen	-2,852	-0.71 %
Total Generation	400,289	99.84 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	464
Hydro	426
Syncon	561
Thermal	208
Total	1,659

Total Gas Required 929

PLTG	20	0.00 %
EGAT	6	0.00 %
HVDC	-670	-0.17 %
Interconnection	-644	-0.16 %
Net Energy	400,933	100.00 %

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	16544	15831	15224	14625	14309	14157	14482	14547	14753	16208	16953	17346	17156	17079	17842	18131	18304	18242	17530	17574	18913	18672	18120	17700

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
9:06:32 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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		740	651	526	524	512	512	511	512	506	398	360	359	312	297	317	303	304	329	469	464	476	616	555	630	548	474	496	478	599	696	810	791	883	1064	1062	862	634	582	582	1375	1762	1723	1754	1711	1461	1301	1020	939					
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	23	112	295	481	538	768	987	1062	1121	1188	1227	1193	1317	1232	1249	1148	1004	861	739	480	400	272	167	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	4	4	3	4	3	4	4	3	3	3	2	5	3	5	3	6	4	3	5	5	5	5	5	4	5	4	4	7	4	3	7	4	7	5	8	7	9	7	4	7	8	8	9	9	9	8	10	10				
PCUF	CUFK	29	29	29	29	31	30	29	30	30	29	29	30	28	29	29	29	29	28	28	29	29	29	29	28	27	28	28	27	29	27	28	25	23	24	24	25	24	24	25	27	25	26	19	20	21	14	10	13	13				
PFTZ	PFTZ	4	2	2	2	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	2	4	4	4	4	4	4	4	4	4	4	4	4			
Total NEDA Co-Gen		37	35	35	34	37	37	37	36	37	36	36	36	37	36	38	35	39	36	36	38	38	38	37	36	36	37	35	37	38	36	32	34	32	35	34	36	35	38	36	33	37	31	32	34	27	22	27	27					
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	
Total Generation		16659	16260	15964	15534	15281	15037	14748	14578	14417	14318	14274	14386	14588	14850	14636	14471	14815	15698	16280	16608	17002	17409	17511	17557	17379	17216	17366	17607	18008	18248	18310	18425	18492	18653	18420	18103	17751	17551	17665	18603	19012	18941	18803	18586	18232	18166	17768	17404					
ESTL	ESTL	-33	-32	-44	-38	-40	-41	-34	-30	-44	-36	-49	-54	-47	-44	-32	-36	-34	-45	-49	-43	-41	-36	-34	-31	-39	-39	-39	-39	-36	-25	-41	-31	-40	-35	-49	-41	-37	-31	-32	-28	-32	-33	-36	-46	-49	-33	-30	-27					
KHTC	BLK1	-112	-106	-105	-105	-101	-103	-111	-110	-108	-108	-112	-109	-109	-111	-110	-111	-115	-117	-115	-115	-115	-118	-116	-119	-121	-122	-123	-123	-124	-125	-126	-131	-131	-128	-128	-123	-124	-123	-123	-121	-119	-118	-114	-114	-112	-112	-112						
Total Franchise Area		-145	-138	-149	-143	-141	-144	-145	-140	-152	-144	-157	-166	-156	-153	-143	-146	-145	-160	-166	-158	-156	-151	-152	-147	-158	-160	-161	-162	-159	-149	-166	-157	-171	-166	-177	-169	-160	-155	-155	-151	-153	-152	-154	-160	-163	-145	-142	-139					
Singapore		0	-67	15	0	-54	-35	9	0	-13	8	-9	31	-20	32	-23	-17	-52	-57	-63	-39	-77	12	44	65	95	49	156	-93	37	44	44	-24	48	-17	32	72	92	15	-33	-15	-23	6	7	-13	-20	19	-43	-85					
Thailand		-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	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28				
Interconnection		-27	-95	-13	-27	-81	-63	-19	-28	-41	-20	-37	4	-47	4	-51	-45	-80	-85	-91	-67	-104	-16	16	37	68	22	129	-121	10	16	16	-51	20	-45	4	44	64	-12	-61	-43	-51	-22	-20	-41	-48	-9	-71	-112					
Total Demand		16544	16220	15831	15421	15224	14959	14625	14469	14309	14197	14157	14219	14482	14696	14547	14373	14753	15626	16208	16520	16953	17277	17346	17376	17156	17037	17079	17569	17842	18086	18131	18322	18304	18535	18242	17893	17530	17411	17574	18498	18913	18814	18672	18470	18120	18033	17700	17380					
SRev ST-Coal		184	207	191	190	233	233	297	377	401	371	428	367	348	376	360	370	374	202	196	162	185	176	202	231	206	191	210	199	204	217	192	178	176	186	218	204	225	188	198	199	199	221	227	196	208	184	197	200					
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	53	3	37	0	0	0	0	0				
SRev CCGT-Gas		864	868	758	1146	1347	1590	1815	1905	2036	2055	2006	1904	1675	1369	1621	1782	1528	1022	772	532	387	388	446	662	844	988	813	873	576	455	587	401	283	259	243	297	488	862	593	260	195	248	378	497	582	507	616	674					
SRev ST-Gas		27	26	26	27	27	26	26	27	27	27	27	26	26	27	27	27	27	27	27	27	27	27	26	26	26	27	-1	-1	-1	-1	0	0	0	0	-1	-10	0	0	1	0	1	1	0	0	0	0	0	0	6				
SRev Co-Gen		0	2	1	1	0	-1	0	0	0	-1	0	0	0	0	0	0	0	0	0	-1	0	0	0	1	-1	-1	0	1	0	0	2	2	-1	1	0	0	0	0	0	0	0	0	2	-1	1	0	0						
Syncon		1104	953	1103	1103	1103	1103	1103	1103	1103	1103	1204	1204	1205	1205	1054	1204	1204	1204	1103	1103	1103	829	865	678	865	1103	1103	953	917	765	491	642	554	252	401	678	765	952	952	340	0	0	0	151	302	615	928	1016					
Hydro		335	210	110	112	124	124	125	124	130	238	205	206	222	237	368	232	231	206	167	172	160	294	319	431	326	162	140	158	223	285	445	313	309	423	506	429	420	285	285	479	717	756	725	617	566	413	231	224					
S.Reserve Total		2514	2266	2189	2579	2834	3075	3366	3536	3697	3793	3870	3707	3476	3214	3430	3614	3363	2661	2265	1995	1862	1714	1859	2029	2266	2469	2293	2182	1920	1721	1714	1534	1324	1122	1367	1608	1888	2287	2028	1279	1164	1229	1368	1463	1657	1720	1972	2120					