

Availability at Daily Maximum Demand Hour

ST-Coal	9,337 MW
ST-Gas	380 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	8,532 MW
Co-Gen	0 MW
Total System	22,326 MW
Total System w/o solar	20,736 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:	15:30:00 Hour
Total Set On Bus	20,117 MW
Spinning Reserve	880 MW
Maximum Demand	19,174 MW
Net Energy	403,354 MWH
Load Factor	88 %
Operating Reserve	2,424 MW

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	196
EMPP	288
KLPP	77
NPRI	133
PCGP	86
SGRI	117
SPGP	99
PKLG	66
Total Gas	1,094

Alternate Fuel Usage

Station	(mmscfd)
NPRI	2
Total	2

Generation Mix

Type	MWh	Percentage
ST-Coal	220,264	54.61 %
ST-Gas	6,500	1.61 %
LSS	8,425	2.09 %
Hydro	18,224	4.52 %
Distillate	104	0.03 %
Gas	152,660	37.85 %
Co-Gen	-2,987	-0.74 %
Total Generation	403,190	99.96 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	368
Hydro	443
Syncon	533
Thermal	158
Total	1,502

Total Gas Required 1,096

PLTG	442	0.11 %
EGAT	5	0.00 %
HVDC	-611	-0.15 %
Interconnection	-164	-0.04 %
Net Energy	403,354	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	16236	15520	14802	14406	14032	13825	14159	14261	14832	16494	17186	17847	17640	17498	18157	18844	19164	18799	17728	17682	18883	18713	18183	17621

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
10:08:15 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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		666	596	544	516	515	515	535	515	529	505	535	514	512	510	530	512	438	538	545	595	691	673	758	545	531	527	715	671	827	963	1371	1521	1422	1193	1057	651	569	591	1163	1378	1386	1361	1060	891	859	807	710						
NPRI	BLK1	208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		208	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	30	159	363	580	787	953	1060	1147	1075	1149	1103	1140	1120	1034	1094	1104	862	635	584	393	237	166	76	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	4	4	4	3	4	3	3	2	3	3	4	3	3	2	3	3	2	3	3	2	3	3	2	3	3	3	2	2	3	2	5	5	4	4	7	6	4	3	3	3	3	4	5	6								
PCUF	CUFK	6	8	9	8	10	10	10	9	10	10	9	10	9	9	11	11	10	7	7	6	7	4	3	2	4	4	3	2	4	4	5	3	5	7	6	6	7	7	7	9	8	10	10	9									
PFTZ	PFTZ	2	2	2	2	2	2	2	2	4	2	2	2	4	4	4	4	4	4	4	4	5	5	5	5	5	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5					
Total NEDA Co-Gen		12	14	15	14	15	16	15	14	14	17	14	16	15	16	15	19	18	17	14	13	13	14	12	11	9	12	11	10	9	11	11	8	10	11	11	12	14	15	14	17	17	15	14	16	15	19	20	20					
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		16375	16120	15669	15292	14908	14738	14549	14366	14185	14011	13968	13925	14239	14460	14391	14402	14928	15998	16555	16968	17250	17589	17897	17961	17785	17653	17649	18182	18298	18704	18996	19332	19308	19348	18906	18372	17874	17637	17811	18703	19041	19075	18932	18710	18317	18167	17812	17338					
ESTL	ESTL	-30	-33	-33	-33	-31	-24	-32	-28	-31	-32	-35	-28	-25	-23	-28	-22	-34	-36	-38	-43	-33	-40	-39	-30	-41	-40	-35	-32	-37	-35	-40	-23	-38	-26	-30	-37	-34	-25	-21	-28	-30	-29	-35	-35	-42	-27	-30	-29					
KHTC	BLK1	-102	-105	-104	-103	-104	-104	-103	-101	-102	-101	-100	-101	-102	-103	-105	-105	-107	-113	-115	-118	-119	-122	-121	-122	-124	-123	-126	-129	-132	-129	-108	-75	-78	-73	-66	-64	-64	-113	-113	-113	-114	-114	-114	-113	-113	-110	-110	-109					
Total Franchise Area		-132	-138	-137	-136	-135	-128	-135	-129	-133	-133	-135	-129	-127	-126	-133	-127	-141	-149	-153	-161	-152	-162	-160	-152	-165	-163	-161	-161	-169	-164	-148	-98	-116	-99	-96	-101	-98	-138	-134	-141	-144	-143	-149	-148	-155	-137	-140	-138					
Singapore		-20	-52	-15	32	4	-7	39	-3	53	49	39	-52	-17	71	28	4	-12	-35	-59	-45	-57	-50	-80	-20	12	25	23	57	3	-19	36	93	61	116	42	95	78	44	28	-18	45	43	103	49	9	15	83	64					
Thailand		31	31	30	-30	-30	-29	-28	-30	-30	-28	-31	-28	-30	-30	-30	-28	-28	-30	-27	-28	-29	-28	-28	-29	-28	-30	-29	-31	-30	-28	-28	-27	-30	-28	-28	-27	-30	-28	-29	-28	-30	-27	-27	-28	-28	-28							
Interconnection		10	-21	15	2	-26	-36	11	-33	23	20	11	-83	-44	41	0	-26	-42	-64	-89	-73	-85	-81	-107	-48	-17	-3	-7	29	-25	-48	7	63	31	87	14	67	51	14	-2	-46	17	15	73	21	-18	-13	54	35					
Total Demand		16236	16006	15520	15157	14802	14649	14406	14273	14032	13861	13825	13882	14159	14296	14261	14304	14832	15916	16494	16883	17186	17511	17847	17860	17640	17496	17498	17995	18157	18591	18844	19174	19164	19165	18799	18207	17728	17488	17682	18611	18883	18920	18713	18544	18183	18046	17621	17168					
SRev ST-Coal		149	150	174	168	144	162	245	252	253	235	237	292	291	229	244	243	153	157	147	146	129	157	143	150	134	183	135	139	143	149	165	148	130	136	149	153	150	142	148	152	139	147	147	142	150	169	153	150					
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	2	2	2	37	0	0	0	0				
SRev CCGT-Gas		419	684	1174	1362	1821	1881	2007	2224	2398	2610	2624	2634	2287	2149	2200	2244	1950	1024	812	667	657	510	283	376	475	525	762	438	327	391	336	197	353	178	187	426	452	675	495	204	217	179	298	197	322	425	744	692					
SRev ST-Gas		0	0	9	15	24	7	6	0	5	2	2	2	2	2	2	2	110	91	70	51	12	-4	-4	-3	-3	-3	-2	-2	69	46	1	1	1	1	1	1	1	1	1	12	3	3	4	6	4	3	4	4	5	5			
SRev Distillate		192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	-2	0	1	1	0	0	0	1	0	0	3	0	-1	0	0	-1	0	0	-1	0	-2	0	0	0	0	0	1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Syncon		941	1128	1128	1128	1128	1128	977	1128	977	1128	977	1128	1128	977	1128	1128	977	1040	1040	789	790	602	976	1127	1127	753	940	515	516	302	302	389	602	703	790	825	977	452	325	325	325	663	977	978	978	978							
Hydro		326	160	212	115	116	116	247	116	253	126	247	117	119	121	252	119	193	244	174	124	279	146	396	235	98	102	288	145	414	427	233	448	460	396	146	315	362	188	446	445	437	462	425	280	224	276	143						
S.Reserve Total		2027	2122	2697	2786	3233	3295	3503	3700	3900	4077	4118	4152	3825	3630	3695	3717	3460	2592	2250	2078	1961	1731	1356	1521	1817	1930	2123	1616	1553	1538	1491	880	1234	1164	1335	1428	1706	2016	1812	1257	1132	1095	1238	1467	1736	1800	2156	1968					