

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,779 MW
Distillate	0 MW
Others	0 MW
Gas	9,170 MW
Co-Gen	0 MW
Total System	23,451 MW
Total System w/o solar	21,861 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	20,437 MW
Spinning Reserve	1,888 MW
Maximum Demand	18,604 MW
Net Energy	401,095 MWH
Load Factor	90 %
Operating Reserve	3,814 MW

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	26	Total	0
TJGS	148		
EMPP	241		
KLPP	34		
NPRI	64		
PCGP	75		
PGLA	90		
SGRI	24		
SKSP	47		
SPGP	176		
Total Gas	926		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	237,032	59.10 %
LSS	9,407	2.35 %
Hydro	10,643	2.65 %
Gas	142,126	35.43 %
Co-Gen	615	0.15 %
Total Generation	399,823	99.68 %
PLTG	-578	-0.14 %
EGAT	6	0.00 %
HVDC	-700	-0.17 %
Interconnection	-1,272	-0.32 %
Net Energy	401,095	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,767
Hydro	315
Syncon	548
Thermal	196
Total	2,826

Total Gas Required 926

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	16773	15963	15330	14949	14630	14416	14632	14616	14929	16231	16996	17589	17504	17509	18022	18534	18531	18126	17237	17524	18315	18029	17359	16850

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 27, 2024 11:30:49 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 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																								
Total Solar		0	0	0	0	0	0	0	0	0	0	0	51	195	379	672	862	1121	1107	1253	1317	1406	1351	1363	1188	1223	1118	1151	978	846	557	346	183	111	39	9	1	0	0	0	0	0	0	0	0	0			
ESTL	ESTL	13	19	8	6	13	23	22	23	20	20	14	14	12	19	9	8	18	30	27	22	6	7	6	18	22	25	22	22	5	10	9	0	8	9	9	22	34	35	25	20	10	12	7	0	8	8	21	19
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	4	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	15	14	15	15	15	15	14	14	15	14	14	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	13	15	15	14	9	10	13	15	14	10	15	18	20	18	20	20			
PCUF	CUFK	14	13	13	14	16	16	16	14	15	16	16	17	14	15	14	14	14	14	13	12	9	8	9	9	9	9	7	6	7	12	8	9	8	8	8	10	10	12	10	9	13	16	16	15	15	14	16	17
Total NEDA Co-Gen		42	46	36	35	44	54	53	51	49	51	44	45	41	49	37	36	47	58	54	48	29	29	29	41	45	48	43	43	26	36	32	28	30	35	34	46	53	57	48	44	37	38	38	33	43	40	57	56
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
Total Generation		16637	16257	15887	15643	15341	15155	14873	14780	14608	14426	14387	14388	14602	14851	14574	14461	14782	15606	16180	16512	16954	17407	17683	17742	17489	17501	17493	17759	18043	18498	18451	18374	18457	18546	18082	17718	17227	17098	17512	18287	18271	18164	17975	17731	17303	17163	16794	16488
KHTC	BLK1	-12	-10	-10	-12	-8	-9	-6	-6	-7	-6	-6	-6	-9	-10	-10	-12	-13	-17	-21	-18	-18	-27	-29	-32	-31	-33	-35	-42	-42	-41	0	0	0	0	0	-38	-34	-25	-23	-20	-18	-18	-18	-17	-17	-14	-14	-13
Total Franchise Area		-12	-10	-10	-12	-8	-9	-6	-6	-7	-6	-6	-6	-9	-10	-10	-12	-13	-17	-21	-18	-18	-27	-29	-32	-31	-33	-35	-42	-42	-41	0	0	0	0	0	-38	-34	-25	-23	-20	-18	-18	-18	-17	-17	-14	-14	-13
Singapore		-116	-57	-55	-37	35	20	-51	18	4	42	-2	-20	-6	-43	-19	-93	-126	-114	-41	-102	-27	89	96	59	-15	36	-19	-65	12	14	-52	-70	-42	-26	-12	-21	-13	-27	-5	-15	-31	-15	-40	-29	-42	-67	-37	-27
Thailand		-28	-28	-28	-28	-29	-28	-28	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-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		-145	-85	-83	-65	6	-7	-79	-12	-26	12	-32	-50	-36	-73	-49	-123	-157	-143	-69	-132	-57	59	68	31	-43	8	-48	-94	-18	-16	-80	-100	-71	-55	-41	-51	-41	-57	-32	-42	-59	-44	-69	-59	-70	-94	-67	-54
Total Demand		16773	16335	15963	15699	15330	15156	14949	14789	14630	14411	14416	14435	14632	14917	14616	14575	14929	15735	16231	16629	16996	17324	17589	17682	17504	17463	17509	17814	18022	18476	18534	18477	18531	18604	18126	17734	17237	17133	17524	18312	18315	18193	18029	17776	17359	17246	16850	16532
SRev ST-Coal		218	200	220	313	232	316	522	540	516	606	615	605	597	601	619	591	596	337	265	202	194	203	210	185	177	188	208	188	211	189	181	198	198	221	198	186	212	169	164	157	184	190	176	165	192	189	195	194
SRev CCGT-Gas		1957	2127	2442	2652	2996	3061	2986	2968	3105	3154	3086	3028	2839	2616	2805	2997	3135	2994	2961	2902	2721	2318	2230	2309	2659	2658	2579	2197	2098	1455	1488	1435	1305	1043	1372	1582	2074	2183	1436	902	850	785	992	1239	1428	1620	1856	1957
SRev Co-Gen		0	0	-1	0	2	1	-2	0	0	-1	0	-3	0	1	1	1	2	-1	0	1	-1	0	-1	1	0	-7	-2	1	-1	0	0	0	1	0	-1	1	0	-1	1	0	1	1	-1	2	0	0	-2	
Syncon		515	703	704	704	703	703	553	704	703	703	703	704	553	703	703	703	804	805	804	804	653	804	804	804	804	804	653	804	805	804	805	804	804	277	515	515	516	515	515	365	515	515	515	515	515	515	515	603
Hydro		376	209	217	145	210	193	144	145	202	210	208	182	313	137	191	215	127	121	97	100	318	84	111	164	168	134	219	109	88	104	154	91	108	346	160	175	170	159	158	436	319	286	282	285	288	236	380	209
S.Reserve Total		3066	3239	3582	3814	4143	4274	4203	4357	4526	4672	4612	4516	4302	4058	4319	4507	4664	4256	4127	4009	3885	3409	3354	3463	3808	3777	3657	3299	3201	2552	2628	2528	2415	1888	2245	2457	2973	3026	2272	1861	1868	1777	1966	2203	2425	2560	2946	2961