

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,682 MW
Distillate	0 MW
Others	0 MW
Gas	8,798 MW
Co-Gen	0 MW
Total System	22,982 MW
Total System w/o solar	21,392 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:	21:30:00 Hour
Total Set On Bus	18,227 MW
Spinning Reserve	1,242 MW
Maximum Demand	17,014 MW
Net Energy	353,051 MWH
Load Factor	86 %
Operating Reserve	4,378 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	102
EMPP	229
NPRI	60
PCGP	73
PGLA	82
SKSP	43
SPGP	180
Total Gas	798

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 798

Generation Mix

Type	MWh	Percentage
ST-Coal	213,917	60.59 %
LSS	9,574	2.71 %
Hydro	11,931	3.38 %
Gas	117,345	33.24 %
Co-Gen	302	0.09 %
Total Generation	353,069	100.01 %
PLTG	540	0.15 %
HVDC	-522	-0.15 %
Interconnection	18	0.01 %
Net Energy	353,051	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,685
Hydro	369
Syncon	270
Thermal	497
Total	2,821

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Cloudy	23

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	16350	15639	14979	14423	13990	13677	13638	13261	12465	12699	13168	13661	13747	14100	14813	15028	14924	14853	14881	15699	16945	16957	16716	16407

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 2, 2024 1:02:54 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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																									
PCUF	CUFG	8	8	7	12	9	7	3	6	3	9	5	6	8	8	7	5	7	7	6	6	3	11	7	8	6	9	8	4	4	6	8	9	5	4	8	8	3	3	5	4	8	6	7	8	7	11	10	8	
PCUF	CUFK	11	12	10	12	12	12	11	12	11	12	12	13	12	14	13	14	13	12	10	9	12	16	23	26	28	4	3	4	4	4	3	4	25	5	5	7	7	6	7	8	8	8	9	10	9	0	10		
Total NEDA Co-Gen		40	35	21	45	42	44	34	31	29	28	31	30	31	50	49	45	47	46	39	34	30	36	48	54	56	59	28	31	23	29	24	25	19	44	17	30	29	29	29	33	38	30	35	24	34	44	34	43	
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
Total Generation		16285	15865	15639	15270	14971	14636	14484	14233	14018	13817	13699	13665	13613	13638	13285	12671	12481	12498	12697	12807	13194	13507	13626	13859	13755	13855	14047	14652	14946	15083	15234	14935	14905	14918	14888	14858	14961	15036	15723	16815	17041	17019	17020	17003	16802	16587	16440	16059	
KHTC	BLK1	-15	-14	-16	-11	-10	-9	-6	-4	-6	-7	-4	-6	-6	-4	-4	-3	-3	-8	-8	-6	-12	-16	-16	-20	-21	-25	-26	-21	-20	-18	-19	-25	-23	-27	-30	-29	-73	-71	-73	-73	-72	-70	-71	-21	-18	-18	-19	-19	
PCUF	CUFK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 Franchise Area		-15	-14	-16	-11	-10	-9	-6	-4	-6	-7	-4	-6	-6	-4	-4	-3	-3	-8	-8	-6	-12	-16	-16	-20	-21	-25	-26	-21	-20	-18	-19	-25	-23	-27	-30	-29	-73	-71	-73	-73	-72	-70	-71	-21	-18	-18	-22	-19	
Singapore		-48	-17	16	6	14	-4	86	-1	53	11	49	3	-28	2	23	53	16	-48	-7	17	17	-49	-48	-3	20	-32	-47	99	145	120	219	64	-10	-44	37	4	40	41	-17	56	56	-13	23	-1	100	37	44	26	
Thailand		-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	0	0	0	0	0	0	0	0	0	0	0	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	
Interconnection		-77	-46	-13	-23	-15	-33	58	-30	25	-18	21	3	-28	2	23	53	16	-48	-7	17	17	-49	-48	-32	-10	-61	-76	70	116	91	190	35	-39	-74	8	-25	10	12	-46	27	27	-42	-5	-29	71	8	14	-4	
Total Demand		16350	15900	15639	15285	14979	14663	14423	14262	13990	13831	13677	13659	13638	13635	13261	12618	12465	12541	12699	12787	13168	13543	13661	13874	13747	13894	14100	14564	14813	14977	15028	14878	14924	14968	14853	14857	14881	14956	15699	16718	16945	16994	16957	17014	16716	16564	16407	16047	
SRev ST-Coal		186	179	257	284	419	546	587	794	806	799	854	848	850	844	843	842	916	990	992	988	935	876	758	698	719	717	709	630	564	535	397	424	425	460	456	463	460	468	411	347	297	269	266	271	277	343	330	325	
SRev CCGT-Gas		1564	1987	2122	2484	2534	2465	2522	2362	2486	2493	2345	2372	2418	2420	2654	2919	3040	2926	2948	2978	2718	2628	2705	2747	2700	2380	2133	2058	2042	1884	1790	1847	1834	1759	1689	1562	1245	1103	669	683	640	497	511	516	687	687	824	1084	
SRev Co-Gen		0	0	0	0	0	1	0	0	2	3	-1	0	0	0	0	-1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		175	175	175	175	175	175	175	326	276	276	426	426	426	426	527	528	440	440	528	528	535	447	384	535	535	535	447	447	158	259	252	252	252	252	340	276	427	427	151	151	151	151	151	151	151	151	151	151	
Hydro		106	105	104	408	408	499	493	478	234	296	302	165	159	171	185	261	308	322	327	307	134	151	218	300	165	160	123	350	350	466	445	408	456	408	411	312	392	246	234	158	382	469	306	303	337	382	395	428	
S.Reserve Total		2031	2446	2658	3351	3536	3686	3777	3809	3854	3867	3776	3811	3853	3861	4108	4548	4792	4678	4708	4801	4315	4190	4128	4129	4119	3792	3500	3485	3404	3043	2891	2931	2967	2879	2808	2676	2373	2244	1741	1339	1470	1386	1234	1242	1451	1563	1700	1988	