

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	1,689 MW
Distillate	0 MW
Others	0 MW
Gas	9,080 MW
Co-Gen	0 MW
Total System	23,271 MW
Total System w/o solar	21,681 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:	16:00:00 Hour
Total Set On Bus	20,240 MW
Spinning Reserve	1,566 MW
Maximum Demand	18,628 MW
Net Energy	392,271 MWH
Load Factor	88 %
Operating Reserve	4,014 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	113
EMPP	258
KLPP	16
NPRI	64
PCGP	81
PGLA	92
SKSP	45
SPGP	201
Total Gas	899

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	231,659	59.06 %
LSS	9,742	2.48 %
Hydro	14,648	3.73 %
Gas	137,206	34.98 %
Co-Gen	170	0.04 %
Total Generation	393,425	100.29 %
PLTG	392	0.10 %
HVDC	762	0.19 %
Interconnection	1,154	0.29 %
Net Energy	392,271	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,083
Hydro	260
Syncon	313
Thermal	204
Total	1,860

Total Gas Required 899

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	31
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	15622	14869	14217	13806	13461	13371	13769	13829	14469	15899	16820	17306	17218	16937	17797	18390	18628	18360	17370	17570	18538	18318	17796	17265

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 2, 2024 1:05:31 PM

(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 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	0	0	0	0	0	0	0	0	0	0	0	0	0																												
ESTL	ESTL	23	22	19	20	18	23	14	19	22	24	6	18	20	24	15	27	18	11	16	6	20	21	12	19	20	16	15	2	11	5	10	18	16	13	13	14	14	20	17	10	13	12	6	5	4	18	10	12				
KHTC	BLK1	4	1	3	1	0	4	2	3	3	0	3	3	3	4	2	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	7	12	7	7	9	6	14	7	7	12	10	11	12	8	8	10	13	14	13	12	13	13	7	11	12	9	8	6	8	9	8	8	5	3	3	7	7	6	8	4	4	5	3	7	5	3	7	6	6	6		
PCUF	CUFK	9	9	9	10	10	11	10	10	10	10	10	11	10	11	10	11	13	13	10	9	8	8	5	6	4	5	8	7	3	3	4	3	3	5	5	5	6	6	5	5	6	10	10	11	10	12	11	11	11	11		
Total NEDA Co-Gen		43	44	38	38	37	44	40	39	42	46	29	43	45	46	37	50	48	41	41	27	41	42	24	36	36	30	31	15	22	17	22	29	24	21	21	26	27	32	30	19	23	27	19	23	19	33	28	29	29	29		
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		15559	15224	14850	14576	14323	14075	13869	13689	13542	13455	13425	13409	13827	13937	13886	13804	14401	15398	15924	16392	16868	17192	17392	17602	17302	17149	17237	17512	17906	18340	18494	18575	18698	18787	18500	17899	17412	17174	17600	18618	18619	18638	18444	18335	17906	17767	17363	16974	16974	16974		
KHTC	BLK1	0	0	0	0	-43	0	0	0	0	0	0	0	0	0	0	0	0	0	-23	-30	-30	-31	-33	-30	-34	-38	-40	-31	-28	-31	-26	-27	-35	-34	-33	-30	-28	-29	-25	-25	-78	-74	-74	-73	-71	-70	-68	-68	-68			
Total Franchise Area		0	0	0	0	-43	0	0	0	0	0	0	0	0	0	0	0	0	0	-23	-30	-30	-31	-33	-30	-34	-38	-40	-31	-28	-31	-26	-27	-35	-34	-33	-30	-28	-29	-25	-25	-78	-74	-74	-73	-71	-70	-68	-68	-68			
Singapore		-31	37	12	-28	35	19	35	29	53	3	26	-54	32	-25	29	7	-96	-44	-4	-10	-10	31	29	96	27	27	-28	23	52	27	46	58	18	124	79	12	-15	-42	-27	38	29	45	24	60	11	-6	2	25	25	25		
Thailand		-30	-30	-28	31	31	29	31	29	30	30	31	29	29	29	31	31	31	31	31	30	31	31	29	29	30	30	293	29	29	31	29	29	29	31	30	30	29	29	31	30	30	29	31	31	29	29	29	31	31	29	29	31
Interconnection		-60	7	-16	3	66	48	66	58	84	34	57	-25	61	5	60	38	-65	-13	28	20	21	61	58	125	57	56	265	53	81	58	76	86	46	156	109	42	15	-12	4	68	59	75	55	91	40	23	31	56	56	56		
Total Demand		15622	15220	14869	14576	14217	14030	13806	13634	13461	13424	13371	13437	13769	13935	13829	13769	14469	15414	15899	16352	16820	17104	17306	17447	17218	17062	16937	17422	17797	18257	18390	18466	18628	18599	18360	17827	17370	17161	17570	18528	18538	18488	18318	18173	17796	17676	17265	16853	16853	16853		
SRev ST-Coal		333	343	453	572	666	729	721	822	818	823	826	834	845	831	828	829	672	435	257	194	188	219	200	208	202	224	199	216	205	204	192	206	203	193	191	190	187	192	176	175	218	190	203	218	203	212	196	218	218	218		
SRev CCGT-Gas		1367	1666	1790	1899	2009	2112	2223	2216	2258	2285	2273	2148	1858	1897	2003	2062	1980	1884	1972	1816	1429	1142	906	856	1261	1423	1520	1724	1701	1479	1236	1067	875	664	547	1364	1706	1898	1275	528	434	581	650	978	1000	1115	1501	1758	1758	1758		
SRev Co-Gen		0	0	0	0	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	1	-1	0	1	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0		
Syncon		239	88	326	326	326	326	326	326	326	326	326	427	427	277	377	528	440	440	440	440	440	440	440	440	440	465	440	440	202	353	353	353	353	353	353	353	454	151	151	151	338	0	338	151	338	338	338	338	338			
Hydro		194	256	108	98	106	107	103	54	98	87	81	222	184	101	99	236	60	152	159	146	143	114	155	162	155	156	138	158	285	101	120	106	135	121	276	141	214	439	213	390	535	739	355	267	273	302	331	442	442	442		
S.Reserve Total		2133	2353	2677	2895	3107	3273	3373	3417	3500	3521	3506	3530	3314	3256	3207	3504	3240	2911	2828	2596	2201	1915	1701	1666	2058	2268	2297	2538	2395	2137	1902	1731	1566	1332	1368	2048	2561	2680	1816	1244	1528	1510	1546	1614	1814	1967	2366	2756	2756	2756		