

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	296 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,400 MW
Distillate	0 MW
Others	0 MW
Gas	7,862 MW
Co-Gen	0 MW
Total System	22,470 MW
Total System w/o solar	20,880 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:	00:00:00 Hour
Total Set On Bus	19,119 MW
Spinning Reserve	2,461 MW
Maximum Demand	16,644 MW
Net Energy	346,806 MWH
Load Factor	87 %
Operating Reserve	4,236 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	136
EMPP	292
KLPP	5
NPRI	121
PCGP	64
SGRI	4
Total Gas	652
Total Gas Required	652

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	228,340	65.84 %
LSS	8,200	2.36 %
Hydro	12,278	3.54 %
Gas	98,541	28.41 %
Co-Gen	-997	-0.29 %
Total Generation	346,362	99.87 %
PLTG	257	0.07 %
HVDC	-701	-0.20 %
Interconnection	-444	-0.13 %
Net Energy	346,806	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	736
Hydro	244
Syncon	1,007
Thermal	571
Total	2,558

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	24

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	16644	16185	15538	15008	14470	14033	13937	13303	12336	12311	12755	13034	12974	13102	13492	13897	14253	14574	14551	15227	16452	16411	16091	15851

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, September 11, 2024
8:54:37 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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 Solar		0	0	0	0	0	0	0	0	1	30	170	335	472	620	726	837	907	941	1102	1132	1181	1061	1049	1056	973	928	781	716	568	390	264	147	29	2	0	0	0	0	0	0	0	0							
ESTL	ESTL	12	21	10	10	11	14	22	10	9	11	11	3	17	22	12	10	13	0	0	4	3	0	15	18	15	14	0	0	0	7	7	2	0	12	0	0	9	14	18	17	17	3	4	7	8	17	21	25	
PCUF	CUFG	8	7	8	8	8	8	9	7	7	7	6	8	7	8	8	9	8	9	8	9	7	5	7	6	6	4	9	4	5	8	9	9	8	9	9	10	10	10	10	9	10	11	9	8	9	8			
PCUF	CUFK	11	11	11	10	11	11	11	12	12	11	11	10	11	13	12	12	13	11	10	10	9	11	9	9	8	8	6	9	7	8	10	8	8	7	8	9	8	8	8	8	7	9	9	10	11	11	10		
PFTZ	PFTZ	4	4	2	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	4	4	4	4	4	4	4	4	4	4	4	4			
Total NEDA Co-Gen		35	43	31	32	32	37	45	35	32	33	33	23	40	46	36	34	39	23	22	27	24	24	35	36	34	32	16	17	20	23	26	22	21	32	20	22	30	36	40	39	38	25	27	32	32	40	45	47	
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		16719	16391	16157	15771	15516	15429	15019	14728	14517	14391	14075	14022	13975	13712	13407	12651	12331	12363	12281	12402	12698	12980	13025	12997	12933	13158	13187	13546	13598	13881	14038	14294	14563	14796	14768	14670	14591	14744	15255	16202	16519	16519	16433	16371	16112	16067	15842	15775	
ESTL	ESTL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-14	-9	-2	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-64	-62	-61	-64	-61	-62	-60	-58	-61	-58	-58	-57	-58	-57	-56	-53	-53	-53	-55	-58	-58	-60	-61	-85	-113	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	
Total Franchise Area		-64	-62	-61	-64	-61	-62	-60	-58	-61	-58	-58	-57	-58	-57	-56	-53	-53	-53	-55	-58	-58	-60	-61	-85	-113	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110	-110
Singapore		44	31	-56	-37	-50	43	-18	-8	16	60	17	57	13	15	81	-12	-24	-5	-52	-60	-84	-31	-39	-87	-123	29	-8	9	25	58	63	90	232	125	113	24	9	-19	-2	17	38	21	-7	-34	-5	36	-34	38	
Thailand		-30	-30	-31	-29	-30	-31	-28	-30	-27	-30	-27	-30	-30	-30	-28	-30	-31	-31	-28	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
Interconnection		14	1	-86	-66	-80	12	-46	-38	-11	30	-13	30	-17	-15	51	-41	-55	-36	-82	-88	-112	-59	-67	-116	-151	1	-36	-19	-3	29	34	61	203	96	85	-5	-21	-49	-30	-14	9	-7	-35	-63	-33	8	-65	8	
Total Demand		16644	16331	16185	15776	15538	15358	15008	14711	14470	14306	14033	13938	13937	13673	13303	12642	12336	12349	12311	12435	12755	12982	13034	13031	12974	13050	13102	13449	13492	13745	13897	14126	14253	14591	14574	14565	14551	14734	15227	16157	16452	16465	16411	16378	16091	16005	15851	15716	
SRev ST-Coal		198	210	216	206	203	190	274	275	284	465	469	501	539	591	766	735	748	759	786	691	695	691	709	688	783	833	852	750	676	635	636	603	464	470	457	428	426	432	361	241	178	198	191	192	180	192	208	246	
SRev CCGT-Gas		999	1157	1007	1167	1322	1231	1557	1494	1114	1058	1365	1292	1250	1389	1509	1631	1758	1826	1707	1615	1418	1208	872	949	1069	680	676	605	704	650	564	557	494	361	476	396	587	424	193	173	173	185	183	186	240	247	229	201	
SRev Co-Gen		0	-2	0	1	0	0	0	0	1	0	-2	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	1	0	-1	0	0	0	0	1	0	4	1	0	0	1	1	0	0	0	-1	1	-1	
Syncon		953	953	953	953	1104	953	1104	1104	1104	1104	1104	1104	1104	1104	1054	1205	1205	1205	1205	1205	1054	1205	1205	1205	1205	1205	1205	1054	1205	1205	1019	1205	1054	1306	1306	1306	1104	590	439	439	440	626	626	626	714	714			
Hydro		311	251	227	229	101	232	99	96	96	97	97	96	107	185	181	313	147	149	115	162	162	292	162	161	161	158	160	155	164	290	153	155	160	37	167	72	72	72	146	311	359	464	374	437	654	538	532	578	
S.Reserve Total		2461	2569	2403	2556	2730	2606	3034	2969	2599	2724	3033	2993	3000	3269	3560	3733	3858	3939	3814	3673	3480	3246	2948	3003	3218	2877	2893	2717	2750	2629	2557	2520	2137	2073	2155	2202	2395	2235	1804	1315	1150	1287	1188	1441	1700	1602	1684	1738	