

Availability at Daily Maximum Demand Hour

ST-Coal	10,322 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,351 MW
Distillate	0 MW
Others	0 MW
Gas	8,586 MW
Co-Gen	0 MW
Total System	23,439 MW
Total System w/o solar	21,849 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:	20:30:00 Hour
Total Set On Bus	18,053 MW
Spinning Reserve	1,809 MW
Maximum Demand	16,311 MW
Net Energy	341,320 MWH
Load Factor	87 %
Operating Reserve	5,538 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	49
EMPP	235
NPRI	124
PCGP	73
PGLA	51
SPGP	188
Total Gas	749
Total Gas Required	749

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	208,750	61.16 %
LSS	8,206	2.40 %
Hydro	10,511	3.08 %
Gas	112,786	33.04 %
Co-Gen	-115	-0.03 %
Total Generation	340,138	99.65 %
PLTG	-490	-0.14 %
EGAT	6	0.00 %
HVDC	-698	-0.20 %
Interconnection	-1,182	-0.35 %
Net Energy	341,320	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,332
Hydro	396
Syncon	1,028
Thermal	672
Total	3,428

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	16070	15468	14919	14283	13910	13620	13516	13310	12426	12681	13078	13192	12785	13165	13401	13632	14131	14287	14396	15090	16272	16139	15737	15461

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 10:23:57 AM

(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																									
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	17	91	194	311	472	672	836	993	1168	1303	1278	1211	1154	1077	1083	1036	832	799	650	576	327	219	105	18	2	0	0	0	0	0	0	0	0	0			
ESTL	ESTL	16	8	18	11	21	10	9	8	12	4	16	19	17	21	15	14	22	30	29	27	16	24	30	27	28	31	30	22	19	29	26	24	19	17	23	21	16	24	27	18	20	19	17	14	18	20	18	18	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	5	6	5	5	4	6	5	4	5	5	5	6	7	7	6	5	6	5	6	5	11	8	6	5	4	6	6	5	5	7	6	8	9	11	6	12	7	8	5	11	7	7	10	6	6	6	8	7	
PCUF	CUFK	3	4	5	3	4	3	3	4	3	3	3	4	5	5	4	2	5	4	3	3	4	2	1	2	2	4	3	5	1	3	2	3	4	6	2	2	3	2	2	5	4	2	3	3	3	3	3	4	
Total NEDA Co-Gen		24	18	28	19	29	19	17	16	20	12	24	29	29	33	25	21	33	39	38	39	35	35	37	34	34	41	39	32	25	39	34	35	32	34	31	35	26	34	34	34	31	28	30	23	27	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
Total Generation		16034	15783	15464	15099	14918	14608	14314	14196	13925	13758	13623	13502	13491	13507	13279	12773	12378	12526	12601	12780	12997	13104	13113	13122	12843	12828	13039	13121	13261	13566	13587	13860	14166	14320	14332	14363	14409	14580	15149	16150	16273	16315	16151	15966	15781	15661	15514	15367	
KHTC	BLK1	-34	-32	-33	-35	-33	-33	-32	-30	-30	-30	-32	-29	-29	-26	-27	-24	-25	-25	-16	0	0	0	0	-4	-3	-8	-7	-2	-2	-1	-8	-47	-48	-47	-49	-52	-50	-49	-49	-45	-37	-74	-86	-88	-85	-86	-82	-85	
Total Franchise Area		-34	-32	-33	-35	-33	-33	-32	-30	-30	-30	-32	-29	-29	-26	-27	-24	-25	-25	-16	0	0	0	0	-4	-3	-8	-7	-2	-2	-1	-8	-47	-48	-47	-49	-52	-50	-49	-49	-45	-37	-74	-86	-88	-85	-86	-82	-85	
Singapore		-37	-43	-6	-23	-1	45	29	-9	18	-40	4	-13	-21	-36	-27	-41	-40	-83	-64	-27	-50	-7	-46	13	87	-55	-101	-118	-111	-16	-22	-93	19	-43	28	-26	-4	17	42	-16	-4	-39	-42	9	-10	-15	3	35	
Thailand		-30	-28	-28	-28	-30	-28	-27	-28	-30	-28	-30	-30	-30	-30	-28	-30	-30	-28	-28	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-28	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
Interconnection		-67	-70	-34	-51	-31	17	2	-37	-12	-68	-26	-43	-51	-67	-55	-72	-70	-113	-93	-55	-78	-35	-76	-17	58	-83	-130	-147	-139	-44	-50	-122	-10	-71	-1	-55	-34	-12	13	-43	-33	-67	-71	-21	-38	-43	-26	6	
Total Demand		16070	15824	15468	15118	14919	14561	14283	14206	13910	13799	13620	13519	13516	13551	13310	12824	12426	12617	12681	12838	13078	13142	13192	13138	12785	12906	13165	13269	13401	13612	13632	13938	14131	14347	14287	14369	14396	14546	15090	16151	16272	16311	16139	15902	15737	15621	15461	15279	
SRev ST-Coal		199	212	202	203	193	225	430	533	538	662	662	654	627	630	640	820	805	801	823	819	818	799	812	869	959	960	959	941	855	803	813	808	812	742	660	667	629	606	573	318	248	188	202	279	244	314	311	321	
SRev CCGT-Gas		1444	1431	2087	2123	2279	2311	2193	2047	2237	2152	2016	2040	2018	2019	2067	1941	2008	1861	1914	1885	1871	1956	1984	2056	2283	2180	2037	1916	1820	1593	1478	1061	1126	1414	1436	1168	1086	917	581	223	287	214	371	440	470	389	417	499	
SRev Co-Gen		0	0	3	0	0	-2	0	1	-1	0	0	1	0	-2	-1	-2	0	0	-1	-1	-1	-1	1	0	0	-3	-2	1	0	-1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Syncon		1203	1203	1102	1102	1102	951	1102	1102	1102	1102	1102	1102	1102	1203	1203	1203	1304	1153	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	1304	
Hydro		124	144	157	119	154	286	157	111	158	159	253	149	138	127	183	159	223	180	313	178	177	172	177	308	182	96	46	164	92	164	165	281	162	166	158	145	304	176	164	357	421	322	317	314	318	410	363	186	
S.Reserve Total		2970	2990	3551	3547	3728	3771	3882	3794	4034	4075	3882	3946	3885	3876	4092	4121	4237	4146	4203	4185	4169	4230	4276	4387	4728	4540	4343	4323	4072	3864	3759	3303	3404	3626	3559	3284	3172	3003	2622	1813	1846	1809	1974	2118	2117	2148	2090	1983	