

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	9,130 MW
Co-Gen	0 MW
Total System	23,321 MW
Total System w/o solar	21,731 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:	19:30:00 Hour
Total Set On Bus	19,075 MW
Spinning Reserve	1,381 MW
Maximum Demand	17,744 MW
Net Energy	377,072 MWH
Load Factor	89 %
Operating Reserve	3,987 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	95
EMPP	241
KLPP	2
NPRI	63
PCGP	73
PGLA	91
SKSP	45
SPGP	169
Total Gas	808

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	236,393	62.69 %
LSS	9,986	2.65 %
Hydro	10,960	2.91 %
Gas	118,856	31.52 %
Co-Gen	418	0.11 %
Total Generation	376,613	99.88 %
PLTG	231	0.06 %
EGAT	6	0.00 %
HVDC	-696	-0.18 %
Interconnection	-459	-0.12 %
Net Energy	377,072	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,937
Hydro	320
Syncon	472
Thermal	321
Total	3,050

Total Gas Required 808

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	16665	16064	15454	14818	14444	14039	14095	13844	13470	14231	14897	15425	15399	15406	15848	16366	16764	16748	16528	17007	17655	17388	17144	16875

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 2, 2024 1:00:19 PM

(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	0	0	0	0	81	287	510	733	879	1008	1067	1177	1303	1228	1411	1389	1391	1310	1353	1057	1000	896	681	582	405	177	59	5	0	0	0	0	0	0	0	0	0	0	0	0			
ESTL	ESTL	20	20	22	14	23	23	26	21	24	11	18	11	19	10	21	30	24	20	18	23	22	8	15	13	10	13	11	4	3	14	2	2	11	10	13	17	17	16	20	22	23	13	16	12	11	16	11	24			
KHTC	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	2	3	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	10	10	10	10	10	10	9	9	9	9	10	9	10	11	9	6	6	7	3	6	4	5	8	8	5	5	7	5	4	8	6	3	3	9	4	5	5	6	10	5	6	7	12	11	7	6	6	7			
PCUF	CUFK	12	12	12	14	14	14	14	15	15	14	13	14	15	15	15	15	14	13	12	13	13	11	9	9	8	8	8	7	9	7	6	7	7	7	8	7	6	6	6	6	7	9	12	12	13	10	7				
Total NEDA Co-Gen		42	42	44	38	47	47	49	44	48	35	42	33	43	36	45	51	45	41	34	41	42	29	36	33	24	26	26	17	14	31	15	11	21	26	24	30	29	28	36	33	35	27	37	35	30	35	27	38			
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		16724	16378	16023	15751	15449	15224	14857	14629	14478	14497	14026	14101	14062	14112	13823	13524	13431	13810	14153	14471	14777	15032	15398	15468	15382	15283	15472	15659	15850	16062	16426	16755	16893	16950	16733	16556	16481	16487	16976	17711	17660	17642	17443	17387	17181	17064	16842	16679			
KHTC	BLK1	-12	-12	-11	-13	-12	-14	-11	-12	-13	-13	-10	-10	-10	-10	-8	-10	-11	-13	-9	0	0	0	0	-27	-29	-30	-31	-32	-39	-39	-35	-35	-29	-21	-20	-20	-22	-18	-20	-19	-18	-17	-17	-16	-17	-15	-16				
Total Franchise Area		-12	-12	-11	-13	-12	-14	-11	-12	-13	-13	-10	-10	-10	-10	-8	-10	-11	-13	-9	0	0	0	0	-27	-29	-30	-31	-32	-39	-39	-35	-35	-29	-21	-20	-20	-22	-18	-20	-19	-18	-17	-17	-16	-17	-15	-16				
Singapore		78	-60	-20	-9	16	47	59	-3	54	-43	8	-3	-12	-1	1	20	-16	-34	-60	-40	-88	32	4	-44	-12	-30	68	52	2	138	53	72	125	27	-4	-38	-36	-21	-18	-22	17	50	69	28	53	-12	-16	32			
Thailand		-28	-30	-29	-28	-30	-31	-28	-28	-30	-28	-28	-28	-29	-29	-30	-30	-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	-28	-28	-29	-29	-28	-29	-29		
Interconnection		50	-90	-49	-36	-14	16	31	-31	24	-72	-20	-31	-40	-29	-28	-9	-46	-64	-88	-68	-117	2	-24	-72	-41	-59	39	23	-27	110	24	43	97	-2	-33	-67	-64	-50	-46	-50	-11	21	41	-1	24	-41	-45	3			
Total Demand		16665	16459	16064	15777	15454	15197	14818	14651	14444	14559	14039	14125	14095	14134	13844	13528	13470	13866	14231	14533	14897	15033	15425	15543	15399	15316	15406	15608	15848	15916	16366	16680	16764	16926	16748	16606	16528	16518	17007	17744	17655	17606	17388	17374	17144	17091	16875	16663			
SRev ST-Coal		182	189	196	190	175	276	394	378	394	454	533	519	514	530	581	574	690	662	665	510	483	295	235	233	280	523	526	450	311	280	185	203	183	194	239	234	198	162	190	187	247	205	203	226	193	223	220	193			
SRev CCGT-Gas		1853	1675	1620	1771	1920	2046	2341	2586	2671	2614	2610	2539	2606	2529	2715	2839	2885	2793	2802	2797	2724	2705	2881	2915	2844	2703	2444	2433	2336	2166	1793	1366	1119	890	849	877	807	753	674	510	315	352	643	634	780	1073	1266	1308			
SRev Co-Gen		0	0	0	0	-1	1	0	0	-1	0	0	0	0	0	0	0	0	0	-1	0	-1	0	0	0	0	0	1	0	1	0	2	1	2	1	1	2	0	0	-1	0	0	-1	0	0	-1	0	0	-1			
Syncon		238	389	515	326	477	602	602	602	602	602	602	602	602	602	743	844	679	528	679	678	679	578	585	686	679	679	678	528	679	679	679	679	679	679	679	679	679	679	679	679	477	477	477	326	477	477	325	175	175	175	
Hydro		445	221	154	368	241	114	70	64	118	65	63	62	71	79	152	207	159	103	200	125	75	163	198	162	136	114	153	289	77	125	89	218	102	73	149	132	120	85	211	207	402	568	337	377	327	136	160	219			
S.Reserve Total		2718	2474	2485	2655	2812	3039	3407	3630	3785	3734	3808	3722	3793	3740	4050	4363	4578	4237	4195	4110	3960	3740	3899	3996	3939	4019	3801	3700	3404	3250	2746	2315	2085	1837	1918	1923	1805	1681	1552	1381	1441	1450	1660	1714	1624	1607	1821	1894			