

Availability at Daily Maximum Demand Hour

ST-Coal	11,022 MW
ST-Gas	294 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,414 MW
Distillate	0 MW
Others	0 MW
Gas	8,237 MW
Co-Gen	0 MW
Total System	23,557 MW
Total System w/o solar	21,967 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	19,166 MW
Spinning Reserve	1,427 MW
Maximum Demand	17,739 MW
Net Energy	385,986 MWH
Load Factor	91 %
Operating Reserve	4,228 MW

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	165
EMPP	273
NPRI	135
PCGP	83
SGRI	5
SPGP	98
Total Gas	788
Total Gas Required	788

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	246,084	63.75 %
LSS	7,757	2.01 %
Hydro	12,949	3.35 %
Gas	120,508	31.22 %
Co-Gen	-890	-0.23 %
Total Generation	386,408	100.11 %
PLTG	416	0.11 %
EGAT	6	0.00 %
Interconnection	422	0.11 %
Net Energy	385,986	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,132
Hydro	213
Syncon	1,038
Thermal	377
Total	2,760

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	17642	16843	16120	15576	15124	14817	14702	14449	14077	14793	15379	15715	15852	15679	16195	16599	16824	16652	16337	16687	17701	17674	17186	16950

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 20, 2024 11:05:01 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 Hydro		618	619	528	453	454	454	511	492	492	492	492	493	490	492	493	498	501	504	524	502	524	508	501	501	511	527	533	479	376	338	309	307	365	385	407	470	499	898	930	928	921	766	581	581	573	607					
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	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 Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	104	220	398	674	854	1164	1146	1098	1035	1126	1044	1210	1051	963	803	692	631	502	386	252	110	38	7	1	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	10	6	12	13	12	0	9	4	4	0	0	0	0	8	15	12	11	9	10	5	0	11	2	13	0	0	0	2	2	12	0	9	0	9	8	8	0	9	13	0	0	14	6	0	0	12	15	0			
PCUF	CUFG	7	9	8	8	5	7	8	7	7	9	7	6	8	7	8	7	7	7	8	8	8	8	7	7	7	10	8	8	8	9	8	7	7	7	7	8	8	9	7	7	8	7	7	7	5	9	7				
PCUF	CUFK	3	4	5	3	2	2	3	3	4	4	3	3	5	4	3	3	4	3	5	3	4	3	1	2	3	2	2	3	4	10	14	10	2	3	4	3	1	4	3	4	3	3	3	2	3	3	3	3			
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total NEDA Co-Gen		25	24	30	29	24	14	25	19	20	18	15	13	18	24	31	27	24	28	21	17	27	15	27	15	14	17	18	19	35	28	32	14	24	24	23	11	23	27	13	12	27	18	11	12	22	29	12				
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	
Total Generation		17678	17259	16924	16569	16201	15975	15686	15497	15145	14956	14887	14866	14733	14797	14536	14170	14090	14560	14776	15138	15446	15725	15841	16026	15906	15769	15661	15856	16275	16641	16744	16804	16948	17032	16800	16621	16453	16457	16788	17630	17780	17785	17754	17608	17299	17182	17066	16835			
KHTC	BLK1	-67	-65	-64	-65	-63	-62	-63	-57	-57	-55	-55	-59	-55	-57	-57	-55	-58	-60	-58	-61	-63	-67	-70	-68	-71	-72	-66	-64	-71	-62	-56	-55	-58	-54	-53	-54	-54	-53	-52	-50	-52	-50	-52	-50	-48	-49	-48	-45			
Total Franchise Area		-67	-65	-64	-65	-63	-62	-63	-57	-57	-55	-55	-59	-55	-57	-57	-55	-58	-60	-58	-61	-63	-67	-70	-68	-71	-72	-66	-64	-71	-62	-56	-55	-58	-54	-53	-54	-54	-53	-52	-50	-52	-50	-52	-50	-48	-49	-48	-45			
Singapore		-28	34	20	-14	21	28	50	8	-34	-34	-12	7	-21	-20	33	34	-42	-16	-73	50	7	-28	59	34	-14	-74	-82	-104	12	115	92	46	68	85	98	69	65	8	52	10	30	0	31	36	68	43	70	47			
Thailand		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	
Interconnection		-28	34	20	-14	21	28	50	8	-33	-33	-12	7	-21	-20	33	34	-42	-16	-72	50	7	-27	59	34	-14	-74	-81	-104	12	115	92	47	69	86	98	69	65	8	52	10	30	0	31	36	68	43	71	47			
Total Demand		17642	17163	16843	16521	16120	15888	15576	15435	15124	14937	14817	14803	14702	14763	14449	14084	14077	14519	14793	15030	15379	15688	15715	15927	15852	15774	15679	15899	16195	16467	16599	16705	16824	16895	16652	16501	16337	16399	16687	17573	17701	17738	17674	17525	17186	17093	16950	16746			
SRev ST-Coal		197	206	193	193	191	208	203	222	432	416	464	462	542	642	601	594	596	599	590	646	495	415	418	403	412	416	406	414	403	404	377	424	340	259	257	266	274	272	262	286	193	196	187	181	237	179	183	179			
SRev CCGT-Gas		404	598	861	1140	1506	1705	2010	2011	2135	2226	2224	2203	2221	1672	1775	2056	2226	1779	1759	1703	1740	1842	1713	1532	1565	1847	1894	1878	1336	936	734	714	520	383	554	610	638	635	461	165	169	174	198	188	201	356	467	719			
SRev Co-Gen		0	0	-1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	-1	-1	0	0	1	0	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	-2	0	0		
Syncon		1035	1035	1123	1112	1112	1112	1112	961	1112	961	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1213	1314	1314	1163	1062	1213	1062	1213	1213	837	711	711	711	898	1111	1112	962	961					
Hydro		318	230	169	169	168	168	168	262	130	263	130	130	130	129	132	130	129	124	131	128	276	147	276	141	148	148	138	122	116	170	172	109	138	291	334	163	292	253	274	251	345	347	354	322	294	293	301	418			
S.Reserve Total		1954	2069	2345	2614	2977	3193	3493	3456	3809	3866	3931	3908	4005	3555	3621	3892	4063	3614	3591	3588	3472	3516	3369	3188	3237	3524	3550	3526	2967	2622	2496	2562	2312	2096	2208	2252	2266	2373	2210	1539	1418	1428	1451	1589	1844	1938	1913	2277			