

Availability at Daily Maximum Demand Hour

ST-Coal	9,047 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,162 MW
Distillate	0 MW
Others	0 MW
Gas	8,574 MW
Co-Gen	0 MW
Total System	22,013 MW
Total System w/o solar	20,373 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	19,083 MW
Spinning Reserve	1,466 MW
Maximum Demand	17,627 MW
Net Energy	373,602 MWH
Load Factor	88 %
Operating Reserve	2,746 MW

Gas Usage

Station	(mmscfd)
TJGS	153
CBPS	39
EMPP	167
KLPP	36
NPRI	119
PCGP	72
PGLA	50
SGRI	33
SKSP	43
SPGP	86
PKLG	71
Total Gas	869

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	207,132	55.44 %
ST-Gas	6,870	1.84 %
LSS	7,875	2.11 %
Hydro	20,113	5.38 %
Gas	130,250	34.86 %
Co-Gen	1,114	0.30 %
Total Generation	373,354	99.93 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	2,202
Hydro	496
Syncon	441
Thermal	393
Total	3,532

Total Gas Required 869

PLTG	442	0.12 %
EGAT	6	0.00 %
HVDC	-696	-0.19 %
Interconnection	-248	-0.07 %
Net Energy	373,602	100.00 %

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	16389	15669	15185	14636	14305	14042	14117	13726	13491	14305	15029	15614	15664	15491	15932	16172	16102	16139	16065	16802	17539	17354	16980	16691

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, November 5, 2024 10:16:45 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																											
SYPS	HYDR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	103	103	69	70	70	69	69	69	70																						
TMGR	HYDR	140	140	83	75	43	40	40	39	53	69	42	65	41	41	39	41	39	77	39	84	83	166	197	334	143	149	156	192	172	149	206	294	302	326	309	330	333	326	292	333	294	296	292	291	291	293	293	326			
UJLI	HYDR	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2			
Total Hydro		824	781	669	660	433	429	429	470	479	428	506	593	506	518	308	298	470	452	513	512	750	761	1156	787	692	632	803	954	971	1044	1052	1073	1223	1190	1190	1193	1105	1157	1424	1376	1227	1164	1162	1283	1285	1283	1325				
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	0	
Total Solar		0	0	0	0	0	0	0	0	0	0	0	2	62	207	443	760	864	956	945	1011	888	972	931	953	918	793	863	833	815	879	675	456	324	173	42	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	10	10	15	4	11	0	0	12	15	13	5	16	17	17	14	19	20	18	16	0	1	10	10	15	16	4	13	3	13	14	0	0	13	1	0	0	11	0	2	7	6	14	16	16	0	10					
KHTC	BLK1	3	2	4	3	4	4	6	4	4	7	6	7	7	7	8	0	3	5	3	2	4	4	7	5	7	3	5	7	4	3	2	7	6	2	5	7	6	5	6	4	3	5	7	6	4	8	7	7			
PCUF	CUFG	18	19	18	18	20	18	19	18	19	20	19	19	19	19	20	18	20	18	19	18	19	18	19	18	19	19	19	20	19	20	18	18	20	18	20	18	20	19	18	19	19	19	20	18	19	18	17	19			
PCUF	CUFK	17	17	17	16	16	17	15	17	16	16	18	17	16	16	16	17	17	16	15	12	11	14	14	13	13	13	12	8	8	7	7	6	6	5	5	6	7	9	10	13	14	15	15	16	16	16	16				
Total NEDA Co-Gen		48	48	54	41	51	39	40	51	54	56	48	57	59	58	60	53	52	61	58	53	50	34	40	48	48	50	53	42	45	33	41	48	30	26	43	31	32	31	44	33	37	45	48	53	55	58	40	52			
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		16320	15953	15690	15403	15150	14837	14609	14427	14273	14058	14014	14062	14112	14030	13718	13401	13450	13860	14246	14558	14985	15410	15564	15755	15592	15545	15456	15750	15882	16158	16184	16201	16231	16192	16075	16099	16082	16077	16821	17614	17558	17547	17349	17260	17012	16852	16718	16350			
Total Franchise Area		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	
Singapore		-37	62	53	47	-3	63	4	42	1	15	4	99	26	50	23	-32	-9	-65	-27	-59	-13	-69	-19	-73	-41	-8	-3	-37	-17	92	44	62	161	36	-32	62	49	-44	51	19	52	41	26	38	63	70	60	57			
Thailand		-28	-28	-28	-29	-29	-28	-30	-30	-29	-29	-28	-28	-28	-28	-29	-29	-29	-29	-29	-31	-28	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-30	-28	-28	-28	-28	-28	-30	-30	-28			
Interconnection		-66	33	24	19	-32	35	-24	12	-29	-14	-25	71	-2	22	-5	-60	-38	-93	-56	-87	-41	-100	-47	-101	-69	-37	-32	-67	-47	64	15	34	132	6	-61	32	20	-72	22	-10	22	13	-2	10	35	41	30	29			
Total Demand		16389	15923	15669	15387	15185	14805	14636	14418	14305	14075	14042	13994	14117	14011	13726	13464	13491	13956	14305	14648	15029	15513	15614	15859	15664	15585	15491	15820	15932	16097	16172	16170	16102	16189	16139	16070	16065	16152	16802	17627	17539	17537	17354	17253	16980	16814	16691	16324			
SRev ST-Coal		167	161	152	178	145	153	343	329	350	433	439	438	421	429	437	565	606	715	639	622	588	459	465	392	404	394	400	335	172	161	154	174	162	163	166	162	144	169	163	176	165	147	162	163	168	154	224	177			
SRev CCGT-Gas		2081	2411	2577	2816	2905	3194	3212	3283	3455	3460	3424	3458	3513	3497	3069	3069	3134	2903	2873	2717	2741	2700	2778	2657	2872	2797	2839	2826	2607	2717	2629	2629	2578	2559	2438	2273	1981	2121	1137	486	409	475	580	791	837	917	930	1449			
SRev ST-Gas		77	76	76	77	77	77	77	76	76	77	78	77	77	77	76	76	76	76	76	77	77	77	77	77	76	76	76	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77			
SRev Co-Gen		0	0	2	0	-1	0	1	0	1	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	0	3	0	0	-1	1	-1	-2	0	0	0	1	1	0	0	0	0	0	0	0	0			
Syncon		525	374	461	549	648	649	649	649	650	650	463	763	763	612	899	899	800	699	699	699	461	525	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	525	525	525	525	525	525	525	525	525	525				
Hydro		551	295	233	154	258	261	261	240	206	257	366	409	496	635	433	443	370	489	348	349	434	359	226	595	690	750	579	528	555	482	474	553	403	436	436	433	370	393	201	249	398	461	463	342	340	342	300				
S.Reserve Total		3401	3317	3501	3774	4032	4334	4543	4598	4771	4826	4848	4802	5183	5262	4830	5042	5158	4865	4778	4463	4454	4131	4204	3726	4322	4331	4439	4191	3757	3887	3716	3728	3744	3576	3489	3320	3009	3262	2295	1466	1426	1622	1805	2019	1949	2013	2098	2529			