

Availability at Daily Maximum Demand Hour

ST-Coal	9,647 MW
ST-Gas	564 MW
ST-Oil	0 MW
LSS	1,640 MW
Hydro	2,062 MW
Distillate	0 MW
Others	0 MW
Gas	9,195 MW
Co-Gen	0 MW
Total System	23,108 MW
Total System w/o solar	21,468 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:	16:30:00 Hour
Total Set On Bus	21,044 MW
Spinning Reserve	1,274 MW
Maximum Demand	19,688 MW
Net Energy	420,433 MWH
Load Factor	89 %
Operating Reserve	2,413 MW

Gas Usage

Station	(mmscfd)
TJGS	159
CBPS	43
EMPP	262
KLPP	51
NPRI	131
PCGP	82
PGLA	45
SGRI	71
SKSP	43
SPGP	105
PKLG	71
Total Gas	1,064

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	222,051	52.81 %
ST-Gas	6,884	1.64 %
LSS	10,245	2.44 %
Hydro	21,352	5.08 %
Gas	158,176	37.62 %
Co-Gen	947	0.23 %
Total Generation	419,655	99.81 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,543
Hydro	479
Syncon	325
Thermal	238
Total	2,585

Total Gas Required 1,064

PLTG	-84	-0.02 %
EGAT	5	0.00 %
HVDC	-699	-0.17 %
Interconnection	-778	-0.19 %
Net Energy	420,433	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	17869	16939	16231	15676	15253	15062	15178	14887	15313	16738	17383	18016	17892	17714	18548	19385	19516	19185	18267	18857	19447	19293	18899	18409

Daily MW Generation on Thursday

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																																
TMGR	HYDR	116	115	114	155	39	40	41	40	37	40	39	39	40	41	36	36	41	49	42	76	153	161	238	281	309	294	197	187	262	294	299	306	293	293	291	293	311	298	301	294	290	293	295	295	293	307	139	140								
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	-2	-2	-2					
Total Hydro		760	757	756	806	551	551	459	447	356	351	351	476	570	423	298	304	467	445	503	582	736	911	955	911	808	724	827	983	1085	1094	1205	1329	1420	1214	1197	1222	1304	1405	1478	1381	1571	1579	1574	1390	1311	1144	1003									
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	0	0	0			
Total Solar		0	0	0	0	0	0	0	0	0	0	0	0	0	3	70	256	515	792	1020	1153	1277	1351	1309	1353	1347	1339	1410	1333	1289	1234	1022	826	633	453	291	156	61	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	2	2	2	2	10	15	16	17	18	19	13	12	0	14	18	21	9	17	0	11	12	13	17	18	15	12	13	11	7	0	0	0	4	0	10	10	0	11	14	16	18	15	0	0	2	0	16	14								
KHTC	BLK1	10	5	6	7	4	4	4	5	1	4	4	3	5	3	3	3	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	4	2							
PCUF	CUFG	29	29	30	29	33	32	25	21	22	22	21	22	21	20	21	22	20	22	22	20	23	21	22	21	22	21	22	22	21	21	22	21	21	21	21	21	22	22	21	22	21	21	22	21	21	21	21	21	21	21	21					
PCUF	CUFK	13	14	14	14	15	15	16	15	16	17	15	16	16	15	17	16	15	13	13	11	11	10	10	9	8	8	7	8	8	8	8	8	8	8	8	8	8	12	11	12	12	11	10	14	13	15	13	16	15							
Total NEDA Co-Gen		54	50	52	52	62	66	61	58	56	61	55	52	42	54	56	62	54	54	35	46	43	47	48	50	45	42	43	39	37	30	29	29	33	29	39	39	33	44	48	49	51	47	35	37	39	36	57	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	0	0	0		
Total Generation		17773	17195	16891	16495	16203	15960	15638	15418	15271	15093	15040	14984	15147	15240	14873	14811	15224	16053	16612	17036	17330	17725	17971	18028	17863	17707	17651	18133	18564	19246	19397	19519	19655	19789	19217	18697	18190	18172	18787	19499	19393	19391	19284	19133	18854	18710	18406	18143								
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	0	0	0	0	0			
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	0	0	0	0		
Singapore		-63	-25	-17	20	3	10	-7	24	49	-6	11	-23	0	-28	18	-32	-56	-56	-95	38	-29	-34	-28	-69	-16	-56	-48	22	30	68	20	75	149	113	47	3	-60	-25	-44	-13	-25	-2	22	-37	-12	-40	29	27								
Thailand		-30	-28	-28	-28	-28	-28	-28	-29	-27	-30	-30	-28	-28	-30	-30	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-31	-30	-28	-28	-29	-29	-30	-29	-28	-28	-30	-30	-27	-30	-28							
Interconnection		-93	-54	-45	-7	-25	-18	-35	-5	21	-36	-19	-51	-28	-57	-11	-62	-86	-84	-123	8	-59	-62	-56	-98	-44	-86	-78	-7	1	38	-9	47	121	82	17	-26	-88	-54	-73	-42	-54	-30	-6	-67	-42	-67	0	-1								
Total Demand		17869	17252	16939	16505	16231	15981	15676	15426	15253	15132	15062	15038	15178	15300	14887	14876	15313	16140	16738	17026	17383	17779	18016	18113	17892	17776	17714	18119	18548	19189	19385	19456	19516	19688	19185	18707	18267	18218	18857	19538	19447	19424	19293	19203	18899	18780	18409	18147								
SRev ST-Coal		148	124	139	163	206	257	336	339	433	500	330	341	321	339	351	334	371	228	194	151	189	166	170	163	162	172	161	164	147	166	157	160	161	162	167	161	162	173	146	157	158	164	156	166	169	168	169	151								
SRev CCGT-Gas		1058	1016	1250	1679	1866	2159	2355	2579	2788	2878	2948	2983	2956	2948	3161	3190	2995	2829	2626	2591	2538	2448	2448	2402	2563	2597	2573	2258	1921	1273	1085	859	666	579	770	1173	1856	2009	1486	944	890	1008	903	842	910	973	1130	1040								
SRev ST-Gas		32	40	25	39	39	40	74	74	74	75	74	75	75	74	74	75	73	73	73	73	74	74	74	74	74	75	75	73	73	74	74	75	75	74	74	74	74	74	75	82	77	74	74	74	75	75	75	75								
SRev Co-Gen		0	0	0	-1	-1	1	-1	0	0	1	0	1	0	-1	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Syncon		612	612	612	612	851	851	952	952	952	953	953	953	851	699	800	926	926	699	699	461	612	525	525	525	525	525	525	525	525	525	338	151	0	0	187	187	187	187	190	3	190	190	190	190	190	377	377	528								
Hydro		531	534	535	485	366	366	357	357	369	359	364	364	441	499	545	444	438	477	499	679	449	531	380	423	467	570	654	551	395	293	371	447	549	458	477	494	469	487	558	672	582	392	384	389	573	465	632	622								
S.Reserve Total		2381	2326	2561	2977	3327	3674	4073	4301	4616	4766	4669	4717	4644	4558	4931	4968	4805	4306	4091	3955	3861	3744	3597	3587	3791	3939	3987	3570	3061	2330	2025	1691	1452	1274	1675	2089	2749	2931	2454	1857	1900	1828	1707	1661	1917	2060	2384	2417								