

Availability at Daily Maximum Demand Hour

ST-Coal	9,992 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,232 MW
Distillate	0 MW
Others	0 MW
Gas	9,492 MW
Co-Gen	0 MW
Total System	23,646 MW

Maximum Demand Record

Date: 4/29/2024	20,028 MW
Date: 4/3/2024	423,300 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	21,413 MW
Spinning Reserve	1,605 MW
Maximum Demand	19,734 MW
Net Energy	421,779 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	183
CBPS	48
EMPP	290
KLPP	71
NPRI	72
PCGP	87
SGRI	101
SKSP	49
SPGP	209
Total Gas	1,138

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	234,007	55.48 %
LSS	8,791	2.08 %
Hydro	11,265	2.67 %
Gas	170,198	40.35 %
Co-Gen	-1,296	-0.31 %
Total Generation	422,965	100.28 %
PLTG	449	0.11 %
EGAT	6	0.00 %
HVDC	731	0.17 %
Interconnection	1,186	0.28 %
Net Energy	421,779	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	601
Hydro	346
Syncon	709
Thermal	196
Total	1,852

Total Gas Required 1,138

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	17970	17120	16538	15869	15558	15147	15313	15075	15290	16953	17750	18411	18445	18162	19062	19686	19703	19155	17898	17801	18974	18846	18359	18221

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:01:56 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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 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																								
Total Solar		0	0	0	0	0	0	0	0	0	0	3	53	201	389	541	745	870	925	1037	1078	1108	1101	1172	1128	1050	1130	1049	1018	788	727	600	458	260	128	38	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	24	26	25	24	27	26	25	26	27	26	27	26	27	25	27	29	27	27	27	27	27	27	26	27	26	26	27	27	28	28	28	26	29	28	26	27	28	26	27	27	27	28	27	28	27	28	27		
PCUF	CUFK	2	3	1	3	4	2	4	2	4	3	3	2	2	3	2	4	4	3	2	4	4	3	3	3	3	3	3	3	5	4	3	3	4	1	4	3	3	4	5	2	3	2	3	2	3	1	2		
Total NEDA Co-Gen		26	29	26	27	31	28	29	28	31	29	30	28	30	30	27	31	33	30	29	30	32	30	30	30	30	29	29	30	29	32	31	31	31	32	27	33	31	29	31	33	28	30	29	30	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		18095	17613	17256	16891	16602	16299	16056	15791	15670	15432	15237	15306	15424	15469	15181	14971	15314	16381	16980	17414	17754	18174	18507	18797	18574	18420	18368	18933	19231	19768	19866	19894	19877	19835	19368	18721	18136	17727	17873	18941	19100	19131	18998	18808	18530	18454	18350	18052	
ESTL	ESTL	-18	-16	-22	-23	-12	-20	-18	-24	-26	-27	-24	-23	-26	-20	-28	-31	-22	-27	-21	-20	-22	-29	-22	-26	-22	-22	-26	-26	-24	-30	-20	-21	-20	-24	-23	-23	-22	-19	-30	-27	-24	-25	-24	-22	-33	-22	-34		
KHTC	BLK1	-50	-48	-49	-49	-48	-47	-48	-48	-47	-49	-48	-46	-46	-44	-47	-50	-53	-56	-62	-67	-70	-70	-70	-66	-73	-74	-74	-72	-76	-78	-69	-70	-75	-75	-74	-71	-72	-71	-69	-68	-66	-64	-61	-52	-51	-54	-49		
Total Franchise Area		-68	-64	-71	-72	-60	-67	-66	-72	-74	-74	-73	-72	-69	-72	-64	-75	-81	-75	-83	-83	-87	-92	-99	-92	-92	-95	-96	-100	-98	-100	-108	-89	-91	-95	-99	-97	-94	-94	-90	-99	-95	-90	-89	-85	-74	-84	-76	-83	
Singapore		28	61	37	45	-23	28	93	36	10	77	-12	7	14	-20	14	-32	-85	-40	-84	-44	-110	-55	-31	33	9	26	82	107	43	44	44	44	56	44	87	117	116	-20	-45	-4	3	-8	37	17	69	7	25	50	
Thailand		31	32	32	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	29	29	31	31	31	31	31	
Interconnection		60	92	68	75	7	59	124	67	41	108	20	38	45	11	45	-1	-54	-9	-53	-14	-80	-24	0	63	40	57	113	137	74	75	75	74	86	75	117	147	147	11	-15	27	34	21	66	47	100	38	56	80	
Total Demand		17970	17460	17120	16747	16538	16176	15869	15655	15558	15253	15147	15199	15313	15389	15075	14900	15290	16318	16953	17348	17750	18109	18411	18645	18445	18271	18162	18699	19062	19596	19686	19734	19703	19668	19155	18480	17898	17625	17801	18818	18974	19023	18846	18679	18359	18335	18221	17892	
SRev ST-Coal		188	196	192	193	178	201	204	207	187	269	382	375	380	396	435	448	280	267	164	221	183	190	197	173	163	167	199	180	207	189	171	189	239	205	171	199	227	193	183	187	195	199	186	198	210	203	184		
SRev CCGT-Gas		562	674	806	1142	1322	1629	1836	2203	2324	2429	2301	2218	2092	2024	2304	2348	2158	1681	1405	1309	1067	730	471	248	607	868	978	554	585	357	455	363	306	300	591	838	1261	1504	1325	571	503	467	479	682	502	570	593	476	
SRev Co-Gen		0	-1	0	0	-2	1	0	-1	1	0	-1	0	0	-1	0	-1	-3	0	3	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	-2	1	0	0	0	3	0	-2	0	1	0	
Syncon		703	703	703	703	704	704	704	553	704	792	641	792	792	792	792	892	892	892	892	892	892	741	892	892	892	741	892	892	791	791	604	604	604	516	454	791	791	791	641	604	604	604	604	604	604	604	604	604	604
Hydro		351	358	359	368	325	315	329	494	366	368	341	473	337	339	348	352	352	351	348	359	311	470	350	341	368	487	364	363	394	284	385	467	317	381	387	403	334	396	371	309	286	285	257	279	312	309	209	216	
S.Reserve Total		1804	2017	2147	2493	2614	2937	3160	3543	3669	3945	3815	3707	3596	3535	3839	3927	3850	3203	2909	2724	2494	2124	1903	1678	2040	2259	2401	2007	1950	1639	1633	1605	1416	1436	1637	2203	2585	2916	2531	1667	1580	1551	1542	1751	1614	1693	1797	1516	