

Availability at Daily Maximum Demand Hour

ST-Coal	9,120 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,590 MW
Hydro	2,347 MW
Distillate	0 MW
Others	0 MW
Gas	9,336 MW
Co-Gen	0 MW
Total System	22,983 MW

Maximum Demand Record

Date: 5/29/2024	20,045 MW
Date: 5/29/2024	423,825 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	18,852 MW
Spinning Reserve	2,164 MW
Maximum Demand	16,651 MW
Net Energy	351,170 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	123
CBPS	40
EMPP	248
KLPP	37
NPRI	123
PCGP	79
SGRI	6
SPGP	189
Total Gas	874

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	203,945	58.08 %
LSS	7,103	2.02 %
Hydro	9,273	2.64 %
Gas	131,055	37.32 %
Co-Gen	-78	-0.02 %
Total Generation	351,298	100.04 %
PLTG	-596	-0.17 %
EGAT	6	0.00 %
HVDC	718	0.20 %
Interconnection	128	0.04 %
Net Energy	351,170	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,757
Hydro	321
Syncon	1,001
Thermal	367
Total	3,446

Total Gas Required 874

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	16651	15903	15291	14731	14264	13802	13718	13327	12533	12906	13405	13668	13793	13945	14292	14665	14829	14727	14601	15162	16320	16503	16259	15940

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 2, 2024 11:29:00 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	0	38	153	395	594	780	885	1001	990	1002	1027	972	1092	1011	850	605	608	624	471	421	312	188	121	55	25	3	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	24	25	24	24	24	24	24	24	24	23	24	24	25	25	24	24	26	25	26	25	24	24	25	25	24	25	26	24	24	25	24	24	24	25	24	24	24	25	24	24	24	25	24	24	24	25	24		
PCUF	CUFK	11	10	10	11	11	13	13	10	9	11	10	11	10	12	12	11	10	10	7	7	5	4	5	4	5	4	4	4	3	5	3	3	3	3	5	7	7	7	6	8	8	12	13	13	14	14	14		
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
Total NEDA Co-Gen		41	41	40	41	41	43	43	40	39	42	40	41	39	41	43	43	43	40	40	40	38	38	35	34	37	35	37	35	35	34	33	35	34	34	33	34	37	37	37	38	36	38	38	42	44	43	45	44	
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		16726	16438	15996	15640	15389	15080	14801	14570	14368	14012	13920	13837	13836	13731	13421	12714	12564	12825	12931	13070	13490	13673	13712	13900	13863	13839	13933	14087	14270	14606	14669	14756	14822	14812	14808	14640	14646	14757	15186	16005	16349	16442	16535	16488	16304	16170	15914	15636	
ESTL	ESTL	0	0	-13	0	0	-11	-10	-13	0	-16	0	-5	-8	0	0	-17	-13	-3	0	-12	-2	-14	-8	-13	0	0	-4	0	0	0	-2	-14	-14	-16	-17	-14	-13	-11	0	-1	-7	-14	0	0	-7	-4	0		
KHTC	BLK1	-41	-41	-43	-42	-37	-35	-36	-35	-33	-30	-31	-31	-29	-25	-24	-28	-26	-31	-29	-31	-33	-37	-38	-39	-40	-43	-45	-48	-45	-43	-41	-42	-38	-38	-35	-37	-37	-36	-38	-38	-35	-35	-33	-32	-32	-35	-36	-36	
Total Franchise Area		-41	-41	-56	-42	-37	-35	-47	-45	-48	-33	-46	-31	-36	-37	-25	-24	-45	-39	-34	-29	-43	-35	-51	-46	-52	-40	-43	-49	-48	-45	-43	-43	-56	-52	-54	-52	-51	-50	-47	-38	-39	-42	-49	-33	-32	-39	-39	-36	
Singapore		6	-39	9	39	36	6	-6	41	30	31	46	51	56	60	43	-12	-40	11	-35	-82	14	4	-33	28	-10	-25	-83	-137	-96	-116	-67	-95	-91	-68	1	-36	-34	-15	-51	-29	-39	-35	-45	-37	-15	-100	-94	-137	
Thailand		31	31	31	29	29	29	31	31	29	30	29	31	29	29	29	31	29	31	29	31	29	31	30	31	30	31	29	29	29	31	30	31	29	29	31	31	31	31	31	31	29	31	31	31	29	31	31	29	31
Interconnection		37	-8	40	68	64	35	26	72	59	61	75	82	85	90	72	17	-11	42	-6	-51	45	33	-4	59	21	5	-52	-108	-67	-88	-36	-65	-60	-39	30	-7	-3	16	-20	1	-7	-5	-14	-6	16	-72	-62	-106	
Total Demand		16651	16408	15903	15533	15291	15013	14731	14456	14264	13921	13802	13727	13718	13607	13327	12676	12533	12747	12906	13095	13405	13608	13668	13798	13793	13797	13945	14149	14292	14652	14665	14781	14829	14802	14727	14598	14601	14694	15162	15969	16320	16408	16503	16464	16259	16206	15940	15709	
SRev ST-Coal		148	161	135	154	166	141	212	545	511	515	527	516	522	507	508	678	727	673	692	648	561	484	470	471	485	472	450	451	472	434	282	276	283	282	284	270	275	281	268	282	278	283	271	283	219	158	168	155	
SRev CCGT-Gas		462	427	686	1008	1254	1654	1858	1676	1796	2135	2215	2297	2301	2469	2769	3087	2891	2432	2720	2887	2754	2826	2871	2804	2801	2800	2844	2645	2316	1807	1883	1957	1733	1691	1589	1645	1653	1450	1197	596	401	284	318	331	330	642	691	789	
SRev Co-Gen		0	2	0	0	0	0	-1	1	0	0	1	0	-2	1	0	0	0	1	2	0	0	0	1	0	0	0	2	1	0	0	-2	0	0	0	0	0	1	1	1	0	0	-1	0	1	0	0	-5	0	
Syncon		890	991	840	890	890	890	890	739	890	890	890	890	890	739	890	991	1142	1142	1142	1142	991	955	1142	955	1142	1142	1142	991	991	991	1142	1142	1144	1142	1142	991	1142	1142	955	703	854	854	703	991	1142	1142	1143		
Hydro		664	411	443	309	302	238	239	504	368	376	374	379	364	520	389	371	218	174	176	93	243	251	73	241	144	163	167	283	245	292	163	166	163	164	160	163	331	200	132	291	393	263	224	401	364	95	134	135	
S.Reserve Total		2164	1992	2191	2448	2699	3010	3285	3552	3652	4003	4094	4169	4162	4323	4643	5214	5065	4509	4819	4857	4636	4603	4644	4558	4659	4664	4692	4458	4111	3611	3555	3628	3408	3368	3262	3307	3338	3161	2827	2211	1862	1770	1754	1806	1991	2124	2217	2309	