

Availability at Daily Maximum Demand Hour

ST-Coal	8,797 MW
ST-Gas	494 MW
ST-Oil	0 MW
LSS	1,340 MW
Hydro	2,521 MW
Distillate	0 MW
Others	0 MW
Gas	8,772 MW
Co-Gen	0 MW
Total System	21,924 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:	21:00:00 Hour
Total Set On Bus	19,029 MW
Spinning Reserve	1,215 MW
Maximum Demand	17,776 MW
Net Energy	369,050 MWH
Load Factor	87 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	175
CBPS	45
EMPP	266
KLPP	59
NPRI	67
PCGP	83
SGRI	86
SKSP	4
SPGP	95
PKLG	36
Total Gas	945

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	207,415	56.20 %
ST-Gas	3,513	0.95 %
LSS	9,262	2.51 %
Hydro	15,259	4.13 %
Gas	134,457	36.43 %
Co-Gen	-68	-0.02 %
Total Generation	369,838	100.21 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,384
Hydro	431
Syncon	729
Thermal	234
Total	2,778

Total Gas Required 945

PLTG	52	0.01 %
EGAT	6	0.00 %
HVDC	730	0.20 %
Interconnection	788	0.21 %
Net Energy	369,050	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	16914	16198	15588	15121	14604	14273	14068	13682	12960	13177	13733	14259	14389	14531	15138	15564	15980	16093	15687	16034	17592	17776	17587	17507

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, May 2, 2024 4:39:57 PM

(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	42	200	378	593	790	905	969	1041	1070	1141	1198	1094	1120	1196	1103	1122	1092	906	832	705	520	305	148	40	6	0	0	0	0	0	0	0	0			
ESTL	ESTL	12	6	19	5	8	0	20	12	8	0	13	16	24	10	28	21	29	14	29	28	24	17	22	23	19	12	1	0	15	0	16	0	8	10	0	4	7	20	12	21	6	17	16	15	16	21	21	11	
PCUF	CUFG	25	25	25	24	26	25	26	26	25	26	26	26	26	25	23	23	20	21	21	22	22	23	22	21	21	20	21	22	24	24	24	23	21	21	21	21	21	21	20	21	21	20	19	21	20				
PCUF	CUFK	8	8	9	9	8	9	10	8	8	11	10	11	10	9	9	11	10	10	9	9	7	9	12	14	10	8	6	7	5	7	6	6	7	6	11	13	19	18	24	23	25	30	29	30	29	31	29	31	
Total NEDA Co-Gen		45	39	53	38	42	34	56	46	41	37	48	53	60	45	62	58	65	49	61	60	51	47	55	59	51	43	29	28	41	27	43	28	39	40	35	40	47	59	57	65	52	67	66	66	65	71	71	62	
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	
Total Generation		16980	16604	16273	15969	15672	15441	15190	14961	14651	14547	14339	14251	14130	14278	13768	13199	13028	13116	13254	13438	13768	14155	14319	14521	14468	14554	14576	14961	15250	15553	15713	15954	16105	16319	16239	15922	15777	15775	16135	17230	17670	17840	17868	17799	17678	17726	17603	17264	
KHTC	BLK1	-51	-50	-51	-50	-48	-46	-45	-42	-43	-43	-41	-40	-39	-39	-39	-35	-40	-41	-44	-46	-47	-53	-53	-53	-52	-55	-56	-61	-66	-70	-69	-73	-74	-67	-69	-63	-65	-63	-63	-58	-61	-59	-57	-53	-50	-50	-49		
Total Franchise Area		-51	-50	-51	-50	-48	-46	-45	-42	-43	-43	-41	-40	-39	-39	-39	-35	-40	-41	-44	-46	-47	-53	-53	-53	-52	-55	-56	-61	-66	-70	-69	-73	-74	-67	-69	-63	-65	-63	-63	-58	-61	-59	-57	-53	-50	-50	-49		
Singapore		-12	-14	-2	-21	10	-11	-2	10	-25	11	-4	3	-6	3	18	8	1	-8	5	-14	-39	-31	-20	6	2	11	-36	-18	21	34	55	58	25	17	51	32	-3	-11	10	-10	-12	-2	6	-15	13	1	18	-7	
Thailand		30	31	29	29	29	31	29	32	32	32	32	32	32	30	32	31	31	31	31	31	31	31	31	29	29	30	30	29	30	30	30	30	30	30	30	30	30	32	29	31	32	32	30	32	31	31	31	31	30
Interconnection		18	17	27	9	39	21	27	42	7	43	28	35	26	32	50	39	32	23	37	17	-8	0	11	36	31	40	-7	11	50	63	84	88	55	47	81	62	29	18	41	21	20	27	38	16	44	32	49	23	
Total Demand		16914	16540	16198	15913	15588	15377	15121	14880	14604	14464	14273	14179	14068	14210	13682	13129	12960	13056	13177	13379	13733	14106	14259	14436	14389	14463	14531	14893	15138	15424	15564	15797	15980	16209	16093	15801	15687	15698	16034	17154	17592	17757	17776	17733	17587	17647	17507	17195	
S.Rev ST-Coal		188	156	152	158	184	148	215	186	260	261	250	237	238	232	265	324	307	359	391	395	377	360	228	202	205	230	237	234	237	243	237	206	137	159	142	149	172	165	138	171	162	193	194	184	205	182	154	309	
S.Rev CCGT-Gas		601	432	588	649	684	875	1133	1376	1505	1607	1834	1944	2014	1840	2312	2723	2826	2866	2842	2814	2656	2606	2641	2499	2592	2550	2415	2114	1867	1388	1323	1064	684	393	357	587	575	711	646	206	186	211	218	193	206	172	202	454	
S.Rev ST-Gas		28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	23	-2	28	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	28	28	29	29	
Syncon		500	500	500	500	500	652	802	890	890	890	890	890	890	890	991	840	991	840	991	840	991	991	991	991	840	840	991	991	865	865	714	714	991	991	991	991	991	991	991	991	991	802	428	277	277	428	464	464	802
Hydro		565	503	471	529	489	577	322	273	187	184	187	183	212	209	231	265	310	448	315	402	207	204	221	240	391	391	208	204	244	227	378	421	247	229	355	283	209	295	294	317	555	495	498	496	606	631	542	207	
S.Reserve Total		1880	1619	1739	1863	1888	2128	2349	2753	2957	3057	3276	3368	3468	3286	3813	4317	4550	4628	4655	4566	4346	4276	4195	4046	4143	4127	3965	3652	3423	2838	2768	2520	2175	1887	1961	2126	2063	2277	2185	1525	1362	1207	1215	1329	1509	1478	1391	1803	