

Availability at Daily Maximum Demand Hour

ST-Coal	8,340 MW
ST-Gas	589 MW
ST-Oil	0 MW
LSS	1,190 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	8,107 MW
Co-Gen	0 MW
Total System	20,763 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,451 MW
Spinning Reserve	1,281 MW
Maximum Demand	18,132 MW
Net Energy	386,441 MWH
Load Factor	89 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	194		
CBPS	51		
EMPP	140		
KLPP	91		
PCGP	86		
PLPS	92		
SGRI	115		
SKSP	50		
SPGP	204		
Total Gas	1,052		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	196,095	50.74 %
LSS	7,259	1.88 %
Hydro	29,451	7.62 %
Gas	152,168	39.38 %
Co-Gen	1,109	0.29 %
Total Generation	386,082	99.91 %
PLTG	325	0.08 %
HVDC	-684	-0.18 %
Interconnection	-359	-0.09 %
Net Energy	386,441	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	538
Hydro	459
Syncon	358
Thermal	152
Total	1,507

Total Gas Required 1,052

Time	Weather	Temperature
Afternoon	Cloudy	32
Morning	Sunny	25

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	15766	15021	14468	14081	13698	13508	13836	13940	14267	15817	16526	16928	16876	16579	17300	17822	18132	17784	16758	16883	17915	17813	17239	16827

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:40:03 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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																									
ESTL	ESTL	25	28	28	28	24	23	26	22	28	28	27	26	28	31	28	31	26	26	26	32	32	29	29	30	25	26	26	24	14	10	28	25	28	28	29	28	28	27	28	25	33	26	34	30	30	24	28	30	
PCUF	CUFG	19	20	19	20	20	19	20	20	19	20	19	20	20	21	19	20	20	20	19	20	20	19	20	19	19	18	18	18	18	20	19	20	19	18	17	19	19	20	19	20	20	20	20	19	20				
PCUF	CUFK	30	31	29	30	31	30	30	30	30	28	29	30	29	28	30	31	29	30	30	29	29	29	30	27	29	28	28	28	28	26	27	28	27	29	29	29	27	29	28	28	29	28	29	28	31	29	29		
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		80	85	82	84	81	78	82	78	83	83	81	80	84	86	82	87	84	80	82	88	88	83	84	85	80	78	81	77	67	62	80	77	78	81	82	81	83	81	81	75	87	79	88	85	84	81	82	85	
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		15770	15483	15042	14744	14456	14231	14073	13835	13702	13610	13516	13616	13853	14125	13940	13786	14258	15189	15822	16302	16562	16835	16964	17133	16910	16642	16591	16933	17276	17663	17841	18016	18219	18086	17851	17263	16783	16577	16941	17939	17961	17963	17842	17688	17271	17209	16818	16476	
KHTC	BLK1	-25	-26	-26	-27	-24	-23	-21	-20	-24	-21	-21	-22	-19	-21	-21	-17	-18	-22	-24	-26	-30	-33	-40	-44	-45	-50	-44	-50	-52	-54	-51	-54	-52	-53	-52	-49	-48	-47	-47	-46	-44	-36	-36	-36	-38	-37	-35	-34	
Total Franchise Area		-25	-26	-26	-27	-24	-23	-21	-20	-24	-21	-21	-22	-19	-21	-21	-17	-18	-22	-24	-26	-30	-33	-40	-44	-45	-50	-44	-50	-52	-54	-51	-54	-52	-53	-52	-49	-48	-47	-47	-46	-44	-36	-36	-36	-38	-37	-35	-34	
Singapore		12	23	29	-3	-5	13	4	8	11	29	19	13	29	33	10	4	4	18	12	28	38	10	27	32	21	8	-1	-18	-44	-58	-1	6	66	14	47	5	8	13	43	45	33	14	24	31	25	-10	-13	-5	
Thailand		-30	-29	-31	-29	-29	-29	-28	-28	-29	-29	-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	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
Interconnection		-18	-6	-2	-32	-33	-16	-20	-17	1	-10	-16	1	5	-18	-25	-24	-10	-16	-1	9	-18	-1	4	-8	-20	-29	-46	-73	-87	-29	-22	38	-15	18	-23	-20	-15	14	17	5	-14	-4	2	-3	-39	-41	-34		
Total Demand		15766	15466	15021	14752	14468	14227	14081	13838	13698	13591	13508	13613	13836	14102	13940	13797	14267	15180	15817	16280	16526	16823	16928	17088	16876	16615	16579	16932	17300	17699	17822	17987	18132	18051	17784	17240	16758	16548	16883	17879	17915	17944	17813	17653	17239	17214	16827	16479	
SRev ST-Coal		135	225	157	230	251	253	119	122	126	174	208	173	177	188	243	383	303	320	168	159	135	187	156	125	139	152	132	115	181	154	122	123	149	111	190	141	179	157	153	165	153	147	159	182	153	136	145	142	
SRev CCGT-Gas		836	923	979	1000	1279	1502	1744	1996	2105	2110	1955	1603	1365	1115	1326	1623	1338	521	706	588	434	587	666	556	674	1041	1304	1122	766	643	761	569	328	298	347	572	780	1075	850	272	261	320	334	553	840	753	1020	723	
SRev Co-Gen		1	-1	0	0	0	-1	1	0	0	0	-1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	-1	-3	2	0	0	0	-1	-1	0	0	0	0	0	0	0	
Syncon		464	464	464	464	464	464	651	500	651	651	651	651	651	651	651	651	651	651	464	464	651	500	651	651	651	651	651	651	464	277	277	151	277	277	126	615	802	802	615	126	126	126	126	126	428	428	428	428	
Hydro		366	281	281	282	284	281	286	416	290	289	292	292	293	292	307	309	293	287	374	374	288	418	285	288	287	289	294	294	378	371	470	520	527	520	768	259	195	194	351	571	583	520	624	653	475	248	364	377	
S.Reserve Total		1802	1892	1881	1976	2278	2539	2801	3034	3172	3224	3105	2719	2486	2246	2528	2966	2586	1779	1712	1585	1508	1692	1758	1620	1751	2136	2384	2185	1792	1451	1634	1364	1281	1205	1428	1589	1956	2228	1968	1133	1123	1113	1243	1513	1896	1565	1957	1670	