

Availability at Daily Maximum Demand Hour

ST-Coal	7,877 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,487 MW
Distillate	0 MW
Others	0 MW
Gas	9,785 MW
Co-Gen	0 MW
Total System	22,029 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:	20:30:00 Hour
Total Set On Bus	18,633 MW
Spinning Reserve	1,001 MW
Maximum Demand	17,558 MW
Net Energy	381,293 MWH
Load Factor	90 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	30	Total	0
TJGS	179		
CBPS	48		
EMPP	293		
KLPP	53		
NPRI	80		
PCGP	87		
PLPS	96		
SGRI	77		
SKSP	6		
SPGP	209		
Total Gas	1,157		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
ST-Coal	179,301	47.02 %
LSS	6,959	1.83 %
Hydro	23,947	6.28 %
Gas	173,105	45.40 %
Co-Gen	-406	-0.11 %
Total Generation	382,906	100.42 %
PLTG	164	0.04 %
EGAT	5	0.00 %
HVDC	1,444	0.38 %
Interconnection	1,613	0.42 %
Net Energy	381,293	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	350
Hydro	523
Syncon	450
Thermal	146
Total	1,469

Total Gas Required 1,157

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	16140	15381	14707	14202	13831	13598	13586	13826	14232	15499	16060	16454	16444	16390	16883	17224	17449	17239	16371	16423	17530	17490	17056	16938

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:23:47 PM

(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																									
Total 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																									
ESTL	ESTL	28	28	30	26	25	26	28	17	16	21	30	16	30	29	15	11	12	0	13	6	12	1	0	0	0	0	0	8	0	3	15	32	28	28	32	35	28	26	21	23	29	19	22	33	22	21	20	28	
PCUF	CUFG	2	3	3	4	3	4	3	3	3	3	4	3	3	3	3	4	2	2	3	2	4	3	2	3	3	2	3	2	4	3	2	4	4	4	4	3	4	4	3	3	3	3	2	3	4				
PCUF	CUFK	4	4	4	4	2	4	4	4	3	4	3	4	4	7	1	2	5	5	2	3	4	4	3	5	5	4	3	4	5	4	5	4	3	3	4	5	4	4	4	2	4	5	4	4	2	6			
PFTZ	PFTZ	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	2	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0			
Total NEDA Co-Gen		34	35	37	34	30	34	35	24	22	28	37	23	37	41	20	17	20	10	18	12	22	9	8	8	7	11	10	17	8	11	25	41	37	38	40	42	38	37	31	32	39	24	29	41	29	27	25	38	
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		16241	15837	15491	15182	14799	14608	14308	14093	13931	13858	13694	13628	13693	13841	13915	14047	14307	15186	15632	15879	16205	16373	16575	16681	16565	16487	16516	16723	16987	17169	17306	17500	17586	17629	17357	16863	16480	16327	16552	17205	17630	17677	17596	17449	17176	17102	17023	16709	
ESTL	ESTL	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
KHTC	BLK1	-30	-29	-28	-28	-26	-25	-25	-28	-27	-26	-25	-23	-27	-29	-27	-30	-38	-41	-43	-46	-44	-49	-49	-54	-57	-59	-61	-61	-63	-64	-65	-62	-63	-63	-59	-56	-54	-52	-49	-50	-48	-48	-48	-45	-45	-44	-43		
Total Franchise Area		-30	-29	-28	-28	-26	-25	-25	-28	-27	-26	-25	-23	-27	-29	-27	-30	-38	-41	-43	-46	-44	-49	-49	-54	-58	-59	-61	-61	-63	-64	-65	-62	-63	-63	-59	-56	-54	-52	-49	-50	-48	-48	-48	-45	-45	-44	-43		
Singapore		14	26	26	-1	8	5	25	-1	15	1	14	18	22	7	2	10	-12	31	36	26	42	7	15	16	10	-11	12	-22	-12	-18	-39	-9	20	4	-2	-10	-1	3	20	12	-9	15	0	4	17	17	-17	-8	
Thailand		60	60	59	59	61	61	59	61	62	61	60	59	61	61	61	60	60	60	60	61	61	61	59	61	61	59	61	59	62	61	62	59	61	61	59	59	60	61	59	61	59	61	61	61	60	61	60	61	60
Interconnection		74	86	85	58	69	66	84	60	76	62	74	77	83	68	63	70	49	91	96	86	103	68	76	75	71	51	71	39	47	44	22	53	79	66	59	49	57	63	81	71	53	74	61	65	78	78	44	53	
Total Demand		16140	15725	15381	15099	14707	14520	14202	14008	13831	13773	13598	13531	13586	13749	13826	13953	14232	15061	15499	15754	16060	16265	16454	16561	16444	16382	16390	16627	16883	17066	17224	17386	17449	17504	17239	16759	16371	16214	16423	17088	17530	17558	17490	17339	17056	16982	16938	16616	
SRev ST-Coal		143	135	150	276	300	295	309	300	302	321	303	294	305	304	295	305	301	265	155	151	162	136	171	154	155	139	201	162	151	130	153	134	143	137	142	143	137	143	149	143	144	144	146	138	142	133	147	153	
SRev CCGT-Gas		953	931	1121	1180	1267	1118	1375	1599	1729	1878	2065	2132	2104	2007	1829	1739	1500	875	700	622	454	352	229	235	437	486	777	748	581	404	436	346	241	234	259	410	781	662	467	217	194	206	210	218	308	293	384	541	
SRev Co-Gen		0	0	0	0	0	1	0	0	0	-1	0	0	0	-1	0	-1	0	0	2	0	2	-2	0	0	0	0	1	1	0	2	0	0	0	0	0	-1	0	0	2	0	0	0	1	0	0	0	-1	0	
Syncon		640	640	677	764	827	827	827	676	827	827	827	827	676	827	827	676	827	827	827	827	676	827	676	764	676	676	827	827	676	676	151	151	151	151	151	525	525	525	525	338	187	187	187	313	313	500	500	500	
Hydro		273	246	202	364	242	242	272	411	286	280	294	289	416	306	178	310	217	221	218	221	245	151	336	337	289	271	209	209	272	367	561	531	487	603	750	449	569	583	458	609	538	464	544	577	619	378	350	364	
S.Reserve Total		2009	1952	2150	2584	2723	2570	2870	3073	3231	3392	3576	3629	3588	3530	3303	3203	3019	2362	2076	1995	1713	1638	1586	1577	1731	1746	2189	2121	1854	1753	1475	1249	1109	1125	1302	1526	2012	2000	1688	1307	1063	1001	1088	1246	1382	1304	1380	1558	