

Availability at Daily Maximum Demand Hour

ST-Coal	8,611 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,240 MW
Hydro	2,412 MW
Distillate	0 MW
Others	0 MW
Gas	9,390 MW
Co-Gen	0 MW
Total System	22,243 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	17,930 MW
Spinning Reserve	1,003 MW
Maximum Demand	16,895 MW
Net Energy	355,308 MWH
Load Factor	88 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	110
CBPS	42
EMPP	246
KLPP	1
PCGP	77
PLPS	42
SKSP	44
SPGP	186
Total Gas	777

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	202,192	56.91 %
LSS	7,721	2.17 %
Hydro	29,846	8.40 %
Gas	115,612	32.54 %
Co-Gen	436	0.12 %
Total Generation	355,807	100.14 %
PLTG	-229	-0.06 %
HVDC	728	0.20 %
Interconnection	499	0.14 %
Net Energy	355,308	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,356
Hydro	215
Syncon	652
Thermal	296
Total	2,519

Total Gas Required 777

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	24

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	15532	14797	14267	13830	13369	13205	13217	13142	12838	13749	14427	14742	14708	14493	14958	15308	15566	15624	15349	15719	16806	16823	16398	16173

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:19:53 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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																									
PCUF	CUFG	17	18	16	17	18	18	17	19	18	17	19	18	18	19	20	19	19	17	19	20	17	20	19	18	18	19	18	19	18	19	19	19	19	18	18	19	19	18	18	19	18	19							
PCUF	CUFK	30	30	29	29	28	31	29	29	31	28	30	29	29	31	28	30	32	29	30	28	29	29	30	31	29	28	29	31	28	30	32	30	28	29	30	28	29	31	28	28	9	9	9	10	11				
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total NEDA Co-Gen		53	54	51	52	52	55	52	54	55	51	55	53	53	54	54	53	55	51	54	58	54	56	51	55	55	52	56	53	51	59	55	51	54	57	54	51	55	52	52	54	56	53	52	33	34	34	34	36	
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		15593	15153	14828	14526	14305	14093	13888	13734	13413	13285	13251	13173	13229	13233	13201	13014	12895	13479	13770	14079	14431	14732	14776	14839	14748	14531	14585	14682	15002	15238	15366	15514	15675	15756	15715	15416	15402	15381	15809	16715	16848	16967	16895	16710	16459	16319	16244	16040	
ESTL	ESTL	-6	0	0	0	-1	-2	-1	-1	-5	-3	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	-7	0	0	0	-1	0	0	0	-3	-2	
KHTC	BLK1	-34	-32	-33	-32	-30	-30	-28	-25	-24	-25	-24	-23	-20	-20	-15	-17	-22	-24	-22	-26	-26	-29	-34	-36	-35	-35	-36	-42	-44	-44	-41	-44	-42	-43	-44	-42	-46	-41	-43	-43	-43	-39	-41	-39	-36	-34	-31		
Total Franchise Area		-40	-32	-33	-32	-31	-32	-29	-26	-29	-28	-24	-23	-20	-20	-15	-17	-22	-24	-22	-26	-26	-29	-34	-36	-35	-35	-36	-42	-44	-44	-41	-44	-42	-43	-44	-42	-46	-48	-43	-43	-43	-40	-41	-39	-36	-37	-33		
Singapore		-8	-24	-29	-23	-20	-13	1	-6	-13	-4	-5	-14	-34	9	12	23	13	-9	-30	-72	-49	-26	-22	-35	-24	-22	30	-26	-25	-4	-13	7	37	6	20	-13	-17	-6	14	-12	-30	3	5	-4	-5	12	6	-17	
Thailand		32	32	29	29	30	30	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
Interconnection		24	8	1	6	10	16	32	25	18	26	25	15	-5	38	42	53	43	22	0	-42	-19	4	8	-5	7	9	60	4	5	26	17	37	68	37	51	18	14	24	45	17	2	32	35	26	25	43	37	13	
Total Demand		15532	15116	14797	14491	14267	14048	13830	13686	13369	13234	13205	13138	13217	13178	13142	12949	12838	13438	13749	14102	14427	14705	14742	14813	14708	14490	14493	14645	14958	15171	15308	15439	15566	15680	15624	15357	15349	15315	15719	16658	16806	16895	16823	16646	16398	16243	16173	15997	
SRev ST-Coal		122	125	117	131	131	117	132	293	276	284	284	298	293	286	305	378	444	358	325	326	341	311	319	319	313	318	318	448	450	455	430	335	352	283	153	226	239	233	147	105	117	118	128	106	94	118	93	143	
SRev CCGT-Gas		1583	1340	1458	1301	1560	1792	1948	2003	2261	2470	2488	2473	2423	2428	2441	2531	2531	2337	2252	2011	1858	1742	1844	1789	1955	2138	2144	1886	1515	977	960	901	684	633	614	787	742	685	517	267	430	481	413	447	702	759	777	862	
SRev Co-Gen		0	-1	0	0	0	-1	0	-1	0	-2	0	1	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
Syncon		277	428	615	766	766	766	766	766	313	313	500	500	500	500	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802
Hydro		191	142	167	116	78	75	106	45	127	487	507	417	415	415	415	286	97	88	96	157	154	152	155	153	154	151	156	151	282	153	282	154	152	152	154	192	188	319	467	445	402	403	351	318	327	386	318	288	
S.Reserve Total		2187	2048	2357	2314	2535	2749	2952	3106	3430	3552	3592	3689	3631	3629	3661	3846	3874	3585	3475	3296	3155	3007	3117	3060	3222	3409	3418	3287	2896	2388	2323	2189	1990	1870	1723	2007	1971	2041	1746	817	949	1003	1205	1368	1624	1763	1686	1943	