

Availability at Daily Maximum Demand Hour

ST-Coal	8,101 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,325 MW
Distillate	0 MW
Others	0 MW
Gas	7,722 MW
Co-Gen	0 MW
Total System	20,028 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	34
SRDG	3
TJGS	138
CBPS	48
EMPP	312
KLPP	69
NPRI	75
PCGP	88
PLPS	47
SGRI	28
SKSP	25
SPGP	104
Total Gas	970

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,263 MW
Spinning Reserve	1,086 MW
Maximum Demand	17,143 MW
Net Energy	369,301 MWH
Load Factor	90 %

Generation Mix

Type	MWh	Percentage
ST-Coal	191,132	51.76 %
LSS	8,609	2.33 %
Hydro	23,943	6.48 %
Gas	145,815	39.48 %
Co-Gen	284	0.08 %
Total Generation	369,783	100.13 %
PLTG	231	0.06 %
HVDC	251	0.07 %
Interconnection	482	0.13 %
Net Energy	369,301	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	514
Hydro	517
Syncon	551
Thermal	143
Total	1,725

Total Gas Required 970

Time Weather Temperature

Afternoon	Hot	34
Morning	Cloudy	22

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	16643	15789	15135	14654	14205	14011	13991	13858	13495	14321	15012	15173	15098	15081	15606	15830	16119	16038	15757	15882	17085	17110	16788	16485

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 6:42:34 PM

(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																										
Total Solar		0	0	0	0	0	0	0	0	0	1	59	219	402	608	752	893	1065	1123	1153	1099	1091	1111	1084	1042	1039	953	915	839	691	444	352	215	75	2	0	0	0	0	0	0	0	0								
ESTL	ESTL	23	30	20	28	20	13	26	21	31	30	31	31	32	28	28	26	26	27	30	26	28	21	21	28	19	25	28	29	16	18	29	24	26	27	30	27	29	30	28	28	19	21	29	0	0	14	24			
PCUF	CUFG	4	2	4	2	4	4	4	3	4	4	2	4	4	4	3	4	4	4	3	4	4	3	4	4	3	4	4	4	3	2	4	4	4	4	3	2	4	4	4	3	4	4	4	4	4	3				
PCUF	CUFK	30	30	30	29	30	31	29	29	28	30	28	28	29	31	29	30	29	29	29	28	30	30	28	29	31	31	31	10	5	4	4	5	4	5	4	6	3	4	3	5	4	4	4	4	2	3				
PFTZ	PFTZ	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7					
Total NEDA Co-Gen		65	70	62	67	62	56	67	61	71	72	69	71	73	71	69	68	67	68	71	67	69	59	60	69	58	64	70	72	59	39	45	38	41	43	44	44	47	42	42	32	37	43	15	15	15	27	37			
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			
Total Generation		16689	16162	15823	15532	15155	14882	14684	14410	14208	14072	14049	13945	13998	14022	13867	13695	13534	13961	14372	14778	15070	15217	15217	15337	15131	15056	15148	15418	15687	15849	15919	16121	16212	16234	16190	15967	15854	15831	15933	16786	17165	17223	17200	17055	16887	16788	16596	16394		
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		
KHTC	BLK1	-39	-40	-40	-40	-38	-37	-40	-38	-39	-37	-35	-36	-34	-34	-33	-32	-33	-33	-34	-34	-36	-40	-41	-44	-47	-45	-50	-49	-52	-53	-53	-55	-59	-58	-57	-47	-41	-45	-44	-46	-45	-49	-44	-42	-41	-42	-41	-41		
Total Franchise Area		-39	-40	-40	-40	-38	-37	-40	-38	-39	-37	-35	-36	-34	-34	-33	-32	-33	-33	-34	-34	-36	-40	-41	-44	-47	-45	-50	-49	-52	-53	-53	-55	-59	-58	-57	-47	-41	-45	-44	-46	-45	-49	-44	-52	-41	-42	-41	-41		
Singapore		39	47	26	41	14	23	21	29	-4	-12	34	4	4	1	8	4	-20	-16	-9	5	-4	-25	-23	-52	-40	-25	-9	-13	3	22	10	28	8	39	69	37	30	2	-20	-16	8	4	19	36	31	37	43	23		
Thailand		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
Interconnection		10	18	-3	12	-15	-5	-7	1	-33	-40	6	-25	-24	-28	-21	-25	10	14	21	35	26	5	7	-22	-10	5	21	17	33	52	40	58	38	69	99	67	60	32	10	14	38	34	49	66	61	67	73	53		
Total Demand		16643	16107	15789	15483	15135	14853	14654	14374	14205	14078	14011	13937	13991	14019	13858	13691	13495	13918	14321	14713	15012	15176	15173	15319	15098	15010	15081	15356	15606	15748	15830	16012	16119	16111	16038	15857	15757	15758	15882	16729	17085	17143	17110	16940	16788	16682	16485	16303		
SRev ST-Coal		184	237	232	250	238	319	396	316	295	296	347	337	307	300	291	287	277	283	291	140	121	123	115	136	130	134	143	131	140	135	131	137	133	130	136	144	152	143	145	141	152	165	158	133	129	139	163	136		
SRev CCGT-Gas		683	860	806	834	1233	1284	920	1040	1322	1447	1063	1139	1129	1106	1265	1396	1588	1305	1143	1092	964	487	414	383	571	595	514	268	420	296	362	256	448	353	386	489	796	467	416	372	305	345	416	525	414	472	591	562		
SRev OCGT-Gas		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	86	-2	-3	-4	0	0	0	0	
SRev Co-Gen		0	0	0	1	-1	0	0	1	0	0	-1	0	0	2	0	0	-1	0	0	0	0	1	1	0	3	-2	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
Syncon		302	338	489	676	676	764	764	613	764	764	764	764	764	764	613	764	764	764	764	764	764	613	764	764	764	764	764	613	764	577	577	489	676	525	676	764	764	764	151	0	0	0	0	525	489	489	489			
Hydro		508	540	552	557	559	537	488	533	634	499	496	540	529	535	533	644	487	489	433	434	435	337	440	397	440	439	417	427	506	320	591	411	410	325	410	427	415	354	338	468	549	578	598	781	532	462	466	484		
S.Reserve Total		1677	1975	2079	2318	2705	2904	2568	2654	2864	3006	2669	2780	2729	2707	2853	3027	3202	2928	2718	2517	2371	1648	1821	1767	1995	2017	1925	1677	1679	1516	1662	1381	1481	1484	1458	1823	2214	1815	1750	1132	1092	1086	1169	1435	1602	1562	1709	1671		