

Availability at Daily Maximum Demand Hour

ST-Coal	6,055 MW
ST-Gas	590 MW
ST-Oil	0 MW
LSS	1,290 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	9,047 MW
Co-Gen	0 MW
Total System	19,519 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:	21:00:00 Hour
Total Set On Bus	16,995 MW
Spinning Reserve	1,165 MW
Maximum Demand	15,745 MW
Net Energy	316,916 MWH
Load Factor	84 %

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	2
TJGS	182
CBPS	1
EMPP	276
KLPP	65
NPRI	78
PCGP	88
PLPS	62
SGRI	43
SKSP	49
SPGP	104
Total Gas	979

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	146,377	46.19 %
LSS	8,085	2.55 %
Hydro	19,099	6.03 %
Gas	144,663	45.65 %
Co-Gen	133	0.04 %
Total Generation	318,357	100.45 %
PLTG	2	0.00 %
HVDC	1,439	0.45 %
Interconnection	1,441	0.45 %
Net Energy	316,916	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,169
Hydro	379
Syncon	785
Thermal	206
Total	2,539

Total Gas Required 979

Time Weather Temperature

Afternoon	Hot	34
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	14300	13731	13200	12714	12340	12144	12031	11924	11447	11707	12051	12240	12190	12201	12761	12948	13392	13664	13735	14162	15575	15745	15321	15231

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 8, 2024 7:18:30 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	5	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	3	3	5	3	2	3	4	2	3	3	2	4	3	4	3	4		
PCUF	CUFK	4	3	4	3	3	3	4	5	5	3	2	2	3	4	2	3	3	6	4	4	3	4	5	4	3	3	2	1	4	5	5	3	3	3	5	4	5	4	3	4	3	4	4	4	5			
Total NEDA Co-Gen		39	44	34	27	34	31	36	37	38	33	32	35	34	36	34	31	21	22	23	29	28	32	32	33	32	30	38	20	33	33	30	15	35	20	35	25	28	38	40	33	38	34	35	23	22	39	38	40
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		14398	14031	13765	13492	13270	13042	12810	12625	12416	12236	12228	12065	12096	11979	11997	11722	11522	11666	11773	11898	12122	12278	12297	12370	12298	12219	12257	12511	12838	13035	13010	13413	13465	13663	13764	13708	13847	13921	14296	15111	15686	15781	15859	15558	15433	15470	15298	15081
KHTC	BLK1	-22	-20	-20	-20	-18	-19	-20	-16	-18	-17	-16	-15	-15	-15	-12	-14	-15	-17	-21	-22	-24	-27	-31	-32	-32	-35	-32	-38	-36	-36	-38	-40	-39	-42	-40	-36	-34	-34	-33	-29	-28	-32	-29	-27	-27	-23	-23	
PCUF	CUFG	0	0	0	0	0	0	-1	0	-1	-1	-1	0	-1	-1	-1	-1	-2	0	-2	-3	-2	-2	-3	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Franchise Area		-22	-20	-20	-20	-18	-19	-21	-16	-19	-18	-17	-15	-16	-16	-13	-15	-17	-17	-23	-25	-26	-29	-34	-33	-33	-36	-33	-38	-36	-36	-38	-40	-39	-42	-40	-36	-34	-34	-33	-29	-28	-32	-29	-27	-27	-23	-23	
Singapore		19	3	-43	-18	-6	12	22	-2	3	9	9	17	-7	-17	-1	5	6	15	-7	2	-10	-11	-28	-26	19	-12	-36	-25	-17	28	-30	-18	-22	-7	2	13	19	22	42	28	25	8	24	20	27	-5	-12	-32
Thailand		60	60	60	59	59	59	59	60	60	60	60	60	60	61	61	58	58	60	60	60	60	59	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	61	60	62	60	59	58
Interconnection		79	63	17	41	53	71	80	58	63	68	69	77	53	44	60	64	64	75	53	62	50	48	32	35	79	48	24	35	43	89	30	42	37	54	62	73	79	83	103	88	85	68	85	81	88	54	47	27
Total Demand		14300	13951	13731	13434	13200	12956	12714	12549	12340	12152	12144	11974	12031	11922	11924	11648	11447	11578	11707	11817	12051	12208	12240	12305	12190	12142	12201	12447	12761	12914	12948	13337	13392	13574	13664	13599	13735	13808	14162	14993	15575	15688	15745	15451	15321	15392	15231	15034
SRev ST-Coal		130	134	149	202	196	176	188	197	190	208	195	188	206	191	195	192	188	207	192	197	188	206	192	199	194	188	193	188	189	204	213	253	256	193	202	182	184	173	217	375	294	322	134	155	138	115	135	120
SRev CCGT-Gas		254	500	712	389	524	413	521	785	884	1007	1033	1200	1149	1291	1272	1525	1765	1781	1820	1891	1808	1726	1850	1868	1993	2094	2225	2024	1675	1643	1527	1086	723	720	534	932	858	600	593	266	221	223	253	295	254	218	205	278
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	0	5	1	106	0	0	0
SRev Co-Gen		-1	0	1	0	1	0	1	3	-7	3	2	2	-2	2	3	3	2	2	0	4	5	4	4	6	2	3	4	2	1	0	1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		651	890	1041	739	1041	1041	1041	1041	1041	1041	1041	1041	1041	890	890	953	953	802	1041	953	953	1041	953	953	953	953	953	953	802	802	953	953	953	953	953	953	953	953	953	579	428	302	338	338	489	802	953	
Hydro		566	349	155	381	179	166	211	200	177	181	174	181	182	286	280	151	149	287	157	161	164	163	164	165	172	167	168	294	160	292	343	152	153	214	217	219	221	164	183	335	316	403	470	589	501	369	220	230
S.Reserve Total		1600	1873	2145	1798	2028	1883	2049	2313	2372	2527	2532	2699	2663	2747	2727	2998	3231	3253	3297	3380	3292	3227	3337	3365	3488	3579	3717	3484	3152	3115	3060	2617	2259	2254	2080	2460	2390	2064	2033	1555	1259	1250	1165	1378	1337	1191	1362	1581