

Availability at Daily Maximum Demand Hour

ST-Coal	8,811 MW
ST-Gas	589 MW
ST-Oil	0 MW
LSS	1,190 MW
Hydro	2,537 MW
Distillate	0 MW
Others	0 MW
Gas	7,757 MW
Co-Gen	0 MW
Total System	20,884 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	16,945 MW
Spinning Reserve	1,121 MW
Maximum Demand	15,864 MW
Net Energy	322,715 MWH
Load Factor	85 %

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	147
CBPS	54
EMPP	103
KLPP	37
PCGP	88
PLPS	53
SGRI	34
SPGP	207
Total Gas	752

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	171,626	53.18 %
LSS	7,906	2.45 %
Hydro	28,915	8.96 %
Gas	112,471	34.85 %
Co-Gen	1,303	0.40 %
Total Generation	322,221	99.85 %
PLTG	204	0.06 %
HVDC	-698	-0.22 %
Interconnection	-494	-0.15 %
Net Energy	322,715	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	589
Hydro	388
Syncon	549
Thermal	521
Total	2,047

Total Gas Required 752

Time Weather Temperature

Afternoon	Cloudy	32
Morning	Sunny	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	13884	13523	13140	12709	12268	12051	12028	12101	11445	11986	12505	12736	12866	12974	13443	13684	14074	14055	13876	14453	15793	15864	15559	15223

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, February 13, 2024 12:46:48 AM

(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	CUFK	29	31	30	30	29	29	29	29	30	29	30	29	30	28	28	28	28	27	29	28	27	27	27	28	29	29	29	29	30	29	29	31	30	30	29													
	PFTZ	6	6	6	5	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		69	73	71	80	81	79	76	76	78	80	82	83	83	72	81	79	82	83	80	77	81	82	83	73	80	81	83	83	78	82	78	83	82	76	81	82	82	77	75	66	81	79	77	79	80	81	82	79
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		13941	13809	13597	13498	13195	12975	12721	12496	12246	12118	12021	11967	12028	12201	12102	11645	11438	11793	11945	12160	12504	12685	12745	12920	12863	12858	12962	13199	13478	13622	13693	13784	14070	14172	14072	13929	13867	13987	14431	15488	15771	15777	15840	15698	15528	15406	15207	14903
KHTC	BLK1	-78	-78	-77	-37	-50	-47	-35	-19	-13	-11	-11	-11	-9	-8	-10	-8	-9	-14	-16	-14	-18	-19	-19	-17	-20	-23	-22	-24	-24	-27	-27	-27	-27	-29	-30	-30	-26	-24	-25	-23	-21	-20	-19	-20	-17	-16	-17	-17
Total Franchise Area		-78	-78	-77	-37	-50	-47	-35	-19	-13	-11	-11	-11	-9	-8	-10	-8	-9	-14	-16	-14	-18	-19	-19	-17	-20	-23	-22	-24	-24	-27	-27	-27	-27	-29	-30	-30	-26	-24	-25	-23	-21	-20	-19	-20	-17	-16	-17	-17
Singapore		10	4	30	47	35	-1	9	2	-4	5	-8	22	22	22	22	25	15	-4	-26	-5	15	27	23	12	11	-3	-2	20	42	26	13	5	3	23	19	10	-3	-9	-15	-12	-12	10	-12	-6	-14	5	0	9
Thailand		-28	-30	-30	-31	-27	-28	-29	-28	-28	-30	-28	-28	-28	-28	-29	-31	-28	-30	-29	-31	-31	-29	-30	-28	-30	-29	-29	-30	-29	-29	-30	-29	-31	-29	-28	-28	-30	-28	-30	-28	-30	-31	-28	-30	-28	-30	-28	
Interconnection		-18	-26	0	16	8	-29	-20	-26	-32	-23	-38	-6	-6	-6	-6	-3	-13	-33	-54	-34	-16	-1	-7	-18	-20	-33	-31	-10	14	-4	-15	-24	-28	-6	-10	-20	-32	-40	-44	-40	-40	-20	-40	-36	-45	-23	-30	-19
Total Demand		13884	13760	13523	13448	13140	12960	12709	12506	12268	12133	12051	11965	12028	12202	12101	11643	11445	11815	11986	12183	12505	12670	12736	12924	12866	12871	12974	13188	13443	13602	13684	13784	14074	14152	14055	13922	13876	14006	14453	15508	15793	15780	15864	15717	15559	15416	15223	14908
S.Rev ST-Coal		424	515	564	501	569	599	607	612	599	608	597	631	619	611	630	705	700	746	747	703	704	701	707	677	632	669	630	669	650	617	623	702	656	550	574	553	454	421	413	304	140	155	117	141	116	154	138	147
S.Rev CCGT-Gas		352	303	421	403	459	405	504	515	450	479	582	594	547	395	475	655	935	650	716	758	660	683	618	782	938	926	857	804	677	762	731	789	676	711	893	748	675	640	511	171	145	178	169	151	157	242	428	599
S.Rev Co-Gen		-1	-1	0	0	0	1	0	-1	0	0	0	0	0	-1	1	0	0	0	-2	0	0	0	-1	2	1	3	2	-3	0	-2	0	-3	-2	0	2	3	0	3	0	-1	0	0	0	0	-1	0	0	
Syncon		500	500	500	500	500	500	374	500	500	500	500	500	500	500	500	500	500	500	374	374	374	525	525	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676
Hydro		418	468	452	428	471	424	474	537	472	470	484	484	484	479	473	489	481	473	415	421	415	469	419	417	290	291	292	293	292	333	331	336	206	328	328	319	317	315	377	168	445	389	522	509	512	512	542	513
S.Reserve Total		1693	1785	1937	1832	1999	1929	2085	2037	2021	2057	2163	2209	2150	1984	2079	2349	2616	2369	2378	2254	2153	2227	2269	2400	2538	2563	2458	2444	2292	2388	2359	2503	2211	2263	2471	2298	2196	2123	2051	1390	1193	1186	1121	1265	1436	1558	1759	1910