

## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOLUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	4,170	-100.0%	1,000	-100.0%	1,006	67,125	-98.5%
BSBY 3-MONTH FUTURES	3,235	59,866	-94.6%	4,206	-23.1%	27,412	423,070	-93.5%
ESTR Basis Spread Futures	178	0	-	102	74.5%	4,846	0	-
ESTR Futures	44,247	0	-	30,893	43.2%	177,484	0	-
EURODOLLARS	520,789	31,283,274	-98.3%	1,328,733	-60.8%	28,093,899	235,405,179	-88.1%
FTIIE	80	23	247.8%	356	-77.5%	1,183	516	129.3%
SOFR	73,870,278	31,178,114	136.9%	48,644,647	51.9%	364,802,463	133,700,782	172.8%
SONIA	10	0	0.0%	0	0.0%	1,320	1,046	26.2%
<b>Interest Rate Options</b>								
EURODOLLARS	592,472	10,865,024	-94.5%	651,883	-9.1%	9,148,209	75,915,042	-87.9%
EURO MIDCURVE	0	6,836,806	-100.0%	32,932	-100.0%	597,753	50,348,749	-98.8%
SOFR	35,373,196	3,000,973	1,078.7%	24,825,051	42.5%	183,663,775	5,388,228	3,308.6%
SOFR MIDCURVE	4,242,037	652,263	550.4%	3,671,896	15.5%	35,026,016	2,194,262	1,496.3%
SOFR MISCURVE	0	0	-	0	0.0%	700	0	-

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<b>Equity Index Futures</b>								
BITCOIN	215,383	250,650	-14.1%	184,551	16.7%	1,087,171	948,410	14.6%
E-mini FTSE China 50	0	417	-100.0%	0	0.0%	44	6,087	-99.3%
E-MINI MIDCAP	260,508	278,614	-6.5%	193,076	34.9%	1,380,303	1,700,822	-18.8%
E-MINI NASDAQ 100	14,351,266	15,730,947	-8.8%	11,689,411	22.8%	68,603,985	74,110,785	-7.4%
E-MINI RUSSELL 1000	1,981	10,013	-80.2%	1,777	11.5%	38,862	61,980	-37.3%
E-MINI RUSSELL 1000 GROWTH	3,683	4,046	-9.0%	1,335	175.9%	24,690	43,463	-43.2%
E-MINI RUSSELL 1000 VALUE	6,752	8,714	-22.5%	10,868	-37.9%	66,266	104,434	-36.5%
E-MINI RUSSELL 2000	4,627,763	4,992,505	-7.3%	3,168,826	46.0%	22,560,703	25,693,603	-12.2%
E-MINI S&P500	35,702,770	42,556,011	-16.1%	29,227,882	22.2%	191,279,245	196,541,786	-2.7%
E-MINI S&P500 ESG	11,733	11,906	-1.5%	13,775	-14.8%	102,153	156,543	-34.7%
ETHER	0	0	-	0	0.0%	0	0	-
ETHER FUTURES	87,725	136,165	-35.6%	106,026	-17.3%	560,117	540,553	3.6%
FT-SE 100	180	245	-26.5%	30	500.0%	355	1,137	-68.8%
FTSE Emerging	0	0	0.0%	0	-	0	0	0.0%
IBOVESPA INDEX	74	54	37.0%	18	311.1%	206	340	-39.4%
MICRO BITCOIN	210,821	473,453	-55.5%	242,303	-13.0%	1,070,163	2,002,728	-46.6%
MICRO E-MINI NASDAQ 100	20,140,806	36,898,456	-45.4%	17,515,475	15.0%	109,318,949	162,683,834	-32.8%
MICRO E-MINI RUSSELL 2000	1,771,141	3,759,964	-52.9%	1,317,047	34.5%	8,558,254	16,863,431	-49.2%
MICRO E-MINI S&P500	20,503,731	32,902,509	-37.7%	17,354,035	18.1%	117,844,524	141,190,858	-16.5%
MICRO ETHER	168,584	546,231	-69.1%	270,097	-37.6%	1,058,222	2,122,115	-50.1%
NASDAQ-100 VOLATILITY	1	2,791	-100.0%	10	-90.0%	3,203	16,936	-81.1%
NASDAQ BIOTECH SECTOR	0	53	-100.0%	236	-100.0%	1,032	631	63.5%
Nearby BTIC+	0	250	-100.0%	0	0.0%	0	2,600	-100.0%
NIKKEI 225 (\$) STOCK	136,487	114,518	19.2%	63,354	115.4%	509,953	633,260	-19.5%
NIKKEI 225 (YEN) STOCK	670,225	750,606	-10.7%	390,842	71.5%	2,860,399	4,168,005	-31.4%
PHLX SEMICONDUCTOR SECTO	539	0	-	584	-7.7%	2,040	0	-
S&P 500	63,258	40,380	56.7%	45,182	40.0%	462,055	375,325	23.1%
S&P 500 ANNUAL DIVIDEND IND	63,510	123,953	-48.8%	58,210	9.1%	367,052	480,518	-23.6%
S&P 500 QUARLY DIVIDEND IND	14,549	4,944	194.3%	16,973	-14.3%	89,575	21,667	313.4%
S&P BIOTECHNOLOGY SECTOR	1,280	0	-	2,915	-56.1%	7,046	0	-
S&P COMMUNICATION SERVICE	8,051	3,953	103.7%	4,340	85.5%	25,807	18,430	40.0%
S&P CONSUMER DISCRETIONAF	8,390	15,093	-44.4%	7,398	13.4%	45,694	63,819	-28.4%
S&P CONSUMER STAPLES SECT	24,752	26,926	-8.1%	22,479	10.1%	151,874	129,181	17.6%
S&P ENERGY SECTOR	34,081	45,081	-24.4%	29,684	14.8%	207,219	305,215	-32.1%
S&P FINANCIAL SECTOR	30,697	29,816	3.0%	28,544	7.5%	244,821	195,660	25.1%
S&P HEALTH CARE SECTOR	18,141	22,582	-19.7%	12,050	50.5%	118,843	128,989	-7.9%
S&P INDUSTRIAL SECTOR	9,851	28,720	-65.7%	9,443	4.3%	109,150	137,005	-20.3%
S&P MATERIALS SECTOR	7,522	10,658	-29.4%	3,944	90.7%	48,651	76,104	-36.1%
S&P OIL & GAS EXPLORATION A	115	0	-	133	-13.5%	1,053	0	-
S&P REAL ESTATE SECTOR	2,647	2,449	8.1%	4,380	-39.6%	49,361	34,773	42.0%
S&P REGIONAL BANKS SECTOR	1,699	0	-	1,807	-6.0%	5,805	0	-
S&P RETAIL SECTOR	144	0	-	86	67.4%	1,595	0	-
S&P TECHNOLOGY SECTOR	14,281	18,112	-21.2%	7,180	98.9%	88,116	125,645	-29.9%
S&P UTILITIES SECTOR	24,868	28,129	-11.6%	16,436	51.3%	203,781	172,502	18.1%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	-	0	0	0.0%
TOPIX (USD)	30	0	-	0	0.0%	169	0	-
TOPIX (YEN)	149	100	49.0%	74	101.4%	1,132	15,268	-92.6%
WATER INDEX FUTURES	19	66	-71.2%	14	35.7%	103	546	-81.1%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	4,686	3,794	23.5%	7,592	-38.3%	38,823	11,603	234.6%
E-MINI NASDAQ 100	1,403,384	1,516,146	-7.4%	907,085	54.7%	5,601,667	4,923,919	13.8%
E-MINI RUSSELL 2000	206,067	153,370	34.4%	167,901	22.7%	752,332	797,157	-5.6%
E-MINI S&P500	26,065,766	24,898,172	4.7%	19,122,962	36.3%	123,482,402	116,071,544	6.4%
EOM S&P 500	0	0	0.0%	0	-	0	0	0.0%
ETHER OPTIONS	2,559	0	-	1,505	70.0%	7,281	0	-
EVENT CONTRACT S&P 500	10,206	0	-	12,763	-20.0%	24,708	0	-
MICRO BITCOIN	7,810	8,534	-8.5%	11,078	-29.5%	48,340	12,227	295.4%
MICRO E-MINI NASDAQ 100	56,900	59,126	-3.8%	41,434	37.3%	269,023	326,345	-17.6%
Micro E-mini S&P 500	220,568	228,475	-3.5%	172,052	28.2%	1,243,559	1,250,871	-0.6%
MICRO ETHER	42,643	8,554	398.5%	13,782	209.4%	87,015	46,224	88.2%
S&P 500	0	0	0.0%	0	-	0	0	0.0%
<b>FX Futures</b>								
AD/CD CROSS RATES	1	88	-98.9%	2	-50.0%	154	311	-50.5%
AD/JY CROSS RATES	863	5,043	-82.9%	1,297	-33.5%	8,604	28,163	-69.4%
AD/NE CROSS RATES	3,589	1,694	111.9%	2,989	20.1%	14,753	11,407	29.3%
AUSTRALIAN DOLLAR	1,828,868	2,203,471	-17.0%	1,407,938	29.9%	9,473,379	9,882,682	-4.1%
BP/JY CROSS RATES	855	3,203	-73.3%	1,241	-31.1%	15,663	21,515	-27.2%
BP/SF CROSS RATES	1,811	1,714	5.7%	3,362	-46.1%	15,576	10,807	44.1%
BRAZIL REAL	246,374	376,078	-34.5%	241,146	2.2%	1,384,535	1,760,035	-21.3%
BRITISH POUND	2,053,146	2,190,944	-6.3%	1,624,791	26.4%	10,356,193	11,219,391	-7.7%
CANADIAN DOLLAR	1,596,526	1,725,841	-7.5%	1,351,586	18.1%	8,486,296	8,359,913	1.5%
CD/JY CROSS RATES	4	6	-33.3%	0	0.0%	10	586	-98.3%
CHILEAN PESO	10	0	0.0%	0	0.0%	13	23	-43.5%
CHINESE RENMINBI (CNH)	16,208	40,264	-59.7%	11,119	45.8%	114,932	129,678	-11.4%
CZECK KORUNA (EC)	0	3	-100.0%	0	0.0%	4	38	-89.5%
CZECK KORUNA (US)	3	4	-25.0%	3	0.0%	223	15	1,386.7%
EC/AD CROSS RATES	1,224	4,555	-73.1%	2,582	-52.6%	19,279	25,293	-23.8%
EC/CD CROSS RATES	1,489	3,060	-51.3%	3,588	-58.5%	27,090	35,752	-24.2%
EC/NOK CROSS RATES	851	1,594	-46.6%	384	121.6%	9,949	6,974	42.7%
EC/SEK CROSS RATES	622	858	-27.5%	454	37.0%	20,155	10,032	100.9%
EFX/BP CROSS RATES	35,182	74,890	-53.0%	27,629	27.3%	256,713	447,353	-42.6%
EFX/JY CROSS RATES	24,637	31,060	-20.7%	24,272	1.5%	209,288	303,701	-31.1%
EFX/SF CROSS RATES	13,655	44,007	-69.0%	9,794	39.4%	110,803	220,108	-49.7%
E-MICRO USD/CAD	117	152	-23.0%	106	10.4%	817	1,442	-43.3%
E-MICRO USD/CHF	104	96	8.3%	430	-75.8%	1,039	360	188.6%
E-MICRO USD/JPY	3,115	15,976	-80.5%	4,815	-35.3%	11,854	42,307	-72.0%
E-MINI EURO FX	106,943	127,139	-15.9%	103,483	3.3%	668,962	646,126	3.5%
E-MINI JAPANESE YEN	11,037	9,511	16.0%	7,232	52.6%	55,159	41,110	34.2%
EURO FX	4,472,826	4,072,305	9.8%	3,403,042	31.4%	23,158,142	22,018,441	5.2%
HUNGARIAN FORINT (EC)	0	1	-100.0%	0	0.0%	13	32	-59.4%
HUNGARIAN FORINT (US)	7	4	75.0%	23	-69.6%	76	33	130.3%
INDIAN RUPEE	23,922	18,002	32.9%	19,800	20.8%	152,531	99,326	53.6%
JAPANESE YEN	3,721,620	2,959,489	25.8%	2,805,802	32.6%	16,792,100	13,565,538	23.8%
KOREAN WON	289	325	-11.1%	3,467	-91.7%	5,740	3,442	66.8%
MEXICAN PESO	1,096,979	1,091,734	0.5%	910,589	20.5%	6,226,801	5,122,254	21.6%
MICRO AUD/USD	228,707	315,396	-27.5%	238,337	-4.0%	1,374,468	1,358,361	1.2%
MICRO CAD/USD	47,619	75,059	-36.6%	39,550	20.4%	288,138	287,429	0.2%

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<b>FX Futures</b>								
MICRO CHF/USD	13,815	18,799	-26.5%	9,905	39.5%	74,207	61,973	19.7%
MICRO EUR/USD	572,054	690,536	-17.2%	540,156	5.9%	3,321,669	3,441,559	-3.5%
MICRO GBP/USD	60,201	112,785	-46.6%	53,844	11.8%	344,346	437,089	-21.2%
MICRO INR/USD	348	745	-53.3%	430	-19.1%	2,670	4,063	-34.3%
MICRO JPY/USD	0	0	0.0%	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	0	0.0%	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	669,114	624,977	7.1%	535,882	24.9%	3,108,512	2,900,051	7.2%
NKR/USD CROSS RATE	4,330	2,272	90.6%	3,604	20.1%	22,687	16,179	40.2%
POLISH ZLOTY (EC)	44	45	-2.2%	3	1,366.7%	287	663	-56.7%
POLISH ZLOTY (US)	1,039	814	27.6%	1,046	-0.7%	5,563	7,255	-23.3%
RMB USD	0	0	0.0%	0	0.0%	5	5	0.0%
RUSSIAN RUBLE	0	1,265	-100.0%	0	0.0%	0	586,457	-100.0%
S.AFRICAN RAND	71,471	81,757	-12.6%	36,000	98.5%	341,786	441,937	-22.7%
SF/JY CROSS RATES	285	541	-47.3%	558	-48.9%	3,768	2,741	37.5%
SHEKEL	40	15	166.7%	51	-21.6%	345	59	484.7%
SKR/USD CROSS RATES	4,509	5,994	-24.8%	2,977	51.5%	23,940	37,223	-35.7%
SWISS FRANC	429,492	529,147	-18.8%	394,135	9.0%	2,173,879	2,400,529	-9.4%
TURKISH LIRA	17	2	750.0%	0	0.0%	148	130	13.8%
USDZAR	3	0	0.0%	0	0.0%	100	27	270.4%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	241	148	62.8%	54	346.3%	686	1,597	-57.0%
AUD/USD MONDAY OPTION WEE	332	388	-14.4%	132	151.5%	2,386	2,717	-12.2%
AUD/USD MONDAY OPTION WEE	394	391	0.8%	137	187.6%	1,401	1,888	-25.8%
AUD/USD MONDAY OPTION WEE	126	560	-77.5%	140	-10.0%	1,208	2,173	-44.4%
AUD/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	315	779	-59.6%
AUD/USD MONTHLY OPTIONS	49,577	82,898	-40.2%	70,049	-29.2%	276,458	495,017	-44.2%
AUD/USD THURSDAY WKLY OPT	83	0	-	12	591.7%	155	0	-
AUD/USD THURSDAY WKLY OPT	215	0	-	7	2,971.4%	267	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	50	-100.0%	1,104	0	-
AUD/USD THURSDAY WKLY OPT	11	0	-	71	-84.5%	391	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	0.0%	11	0	-
AUD/USD TUESDAY WKLY OPT	19	0	-	50	-62.0%	201	0	-
AUD/USD TUESDAY WKLY OPT	20	0	-	76	-73.7%	1,091	0	-
AUD/USD TUESDAY WKLY OPT	108	0	-	71	52.1%	446	0	-
AUD/USD TUESDAY WKLY OPT	11	0	-	132	-91.7%	301	0	-
AUD/USD TUESDAY WKLY OPT	100	0	-	0	0.0%	205	0	-
AUD/USD WKLY FRIDAY OPTION	1,064	294	261.9%	0	0.0%	1,064	2,064	-48.4%
AUD/USD WKLY FRIDAY OPTION	212	3,024	-93.0%	1,149	-81.5%	8,257	11,168	-26.1%
AUD/USD WKLY FRIDAY OPTION	2,269	2,641	-14.1%	1,357	67.2%	9,947	13,377	-25.6%
AUD/USD WKLY FRIDAY OPTION	1,047	2,216	-52.8%	3,128	-66.5%	9,641	9,824	-1.9%
AUD/USD WKLY FRIDAY OPTION	710	0	0.0%	0	0.0%	1,977	2,042	-3.2%
AUD/USD WKLY WED OPTIONS -	1,426	1,822	-21.7%	298	378.5%	2,223	5,230	-57.5%
AUD/USD WKLY WED OPTIONS -	212	161	31.7%	452	-53.1%	1,209	2,818	-57.1%
AUD/USD WKLY WED OPTIONS -	82	590	-86.1%	252	-67.5%	1,187	3,538	-66.4%
AUD/USD WKLY WED OPTIONS -	94	1,094	-91.4%	399	-76.4%	1,614	2,970	-45.7%
AUD/USD WKLY WED OPTIONS -	212	0	0.0%	0	0.0%	522	211	147.4%
BRL/USD MONTHLY OPTIONS	0	183	-100.0%	200	-100.0%	205	1,964	-89.6%
CAD/USD MONDAY OPTIONS WE	313	138	126.8%	1,073	-70.8%	3,940	999	294.4%
CAD/USD MONDAY OPTIONS WE	1,919	756	153.8%	783	145.1%	7,975	6,600	20.8%

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<b>FX Options</b>								
CAD/USD MONDAY OPTIONS WE	1,320	1,010	30.7%	109	1,111.0%	4,930	4,470	10.3%
CAD/USD MONDAY OPTIONS WE	660	254	159.8%	1,105	-40.3%	4,506	4,700	-4.1%
CAD/USD MONDAY OPTIONS WE	0	0	0.0%	0	0.0%	247	1,256	-80.3%
CAD/USD MONTHLY OPTIONS	42,305	112,193	-62.3%	27,363	54.6%	315,874	491,597	-35.7%
CAD/USD THURSDAY WKLY OPT	975	0	-	0	0.0%	1,570	0	-
CAD/USD THURSDAY WKLY OPT	249	0	-	4	6,125.0%	872	0	-
CAD/USD THURSDAY WKLY OPT	409	0	-	935	-56.3%	1,773	0	-
CAD/USD THURSDAY WKLY OPT	402	0	-	21	1,814.3%	1,767	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	0.0%	1,586	0	-
CAD/USD TUESDAY WKLY OPT	518	0	-	624	-17.0%	1,720	0	-
CAD/USD TUESDAY WKLY OPT	534	0	-	110	385.5%	3,604	0	-
CAD/USD TUESDAY WKLY OPT	612	0	-	456	34.2%	2,027	0	-
CAD/USD TUESDAY WKLY OPT	384	0	-	18	2,033.3%	608	0	-
CAD/USD TUESDAY WKLY OPT	732	0	-	0	0.0%	808	0	-
CAD/USD WKLY FRIDAY OPTION	2,993	0	0.0%	0	0.0%	2,993	6,159	-51.4%
CAD/USD WKLY FRIDAY OPTION	1,013	4,524	-77.6%	1,658	-38.9%	13,022	20,626	-36.9%
CAD/USD WKLY FRIDAY OPTION	2,996	4,209	-28.8%	1,945	54.0%	13,446	27,819	-51.7%
CAD/USD WKLY FRIDAY OPTION	2,371	4,275	-44.5%	3,301	-28.2%	16,900	27,638	-38.9%
CAD/USD WKLY FRIDAY OPTION	21	0	0.0%	0	0.0%	5,094	4,281	19.0%
CAD/USD WKLY WED OPTIONS -	2,973	746	298.5%	1,372	116.7%	6,929	5,384	28.7%
CAD/USD WKLY WED OPTIONS -	2,279	553	312.1%	853	167.2%	5,307	5,839	-9.1%
CAD/USD WKLY WED OPTIONS -	731	1,477	-50.5%	237	208.4%	5,283	8,296	-36.3%
CAD/USD WKLY WED OPTIONS -	827	1,875	-55.9%	991	-16.5%	7,166	9,462	-24.3%
CAD/USD WKLY WED OPTIONS -	1,242	0	0.0%	0	0.0%	2,131	2,938	-27.5%
CHF/USD MONTHLY OPTIONS	30,849	5,745	437.0%	5,168	496.9%	54,064	29,938	80.6%
CHF/USD WKLY FRIDAY OPTION	133	10	1,230.0%	0	0.0%	133	530	-74.9%
CHF/USD WKLY FRIDAY OPTION	89	72	23.6%	720	-87.6%	1,623	792	104.9%
CHF/USD WKLY FRIDAY OPTION	1,893	17	11,035.3%	614	208.3%	2,972	415	616.1%
CHF/USD WKLY FRIDAY OPTION	564	66	754.5%	509	10.8%	5,368	808	564.4%
CHF/USD WKLY FRIDAY OPTION	1	0	0.0%	0	0.0%	343	14	2,350.0%
EUR/GBP MONTHLY OPTIONS	0	1,750	-100.0%	0	0.0%	0	3,704	-100.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
EURO FX	51	0	-	34	50.0%	85	0	-
EUR/USD MONDAY OPTION WEE	1,917	923	107.7%	1,722	11.3%	10,583	10,041	5.4%
EUR/USD MONDAY OPTION WEE	3,405	2,071	64.4%	866	293.2%	10,378	16,679	-37.8%
EUR/USD MONDAY OPTION WEE	247	1,288	-80.8%	730	-66.2%	5,727	5,594	2.4%
EUR/USD MONDAY OPTION WEE	1,996	1,256	58.9%	706	182.7%	9,321	21,173	-56.0%
EUR/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	955	2,856	-66.6%
EUR/USD MONTHLY OPTIONS	279,454	247,342	13.0%	198,450	40.8%	1,397,883	1,260,572	10.9%
EUR/USD THURSDAY WKLY OPT	3,052	0	-	661	361.7%	4,083	0	-
EUR/USD THURSDAY WKLY OPT	293	0	-	1,806	-83.8%	4,042	0	-
EUR/USD THURSDAY WKLY OPT	1,456	0	-	95	1,432.6%	1,846	0	-
EUR/USD THURSDAY WKLY OPT	196	0	-	683	-71.3%	5,514	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	0.0%	12	0	-
EUR/USD TUESDAY WKLY OPT	25	0	-	29	-13.8%	636	0	-
EUR/USD TUESDAY WKLY OPT	17	0	-	16	6.3%	558	0	-
EUR/USD TUESDAY WKLY OPT	1,527	0	-	86	1,675.6%	3,622	0	-
EUR/USD TUESDAY WKLY OPT	169	0	-	30	463.3%	3,211	0	-
EUR/USD TUESDAY WKLY OPT	1,291	0	-	0	0.0%	1,419	0	-
EUR/USD WKLY FRIDAY OPTION	12,968	2	648,300.0%	0	0.0%	12,968	26,914	-51.8%
EUR/USD WKLY FRIDAY OPTION	13,420	13,670	-1.8%	17,051	-21.3%	93,151	84,496	10.2%

## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOIUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>FX Options</b>								
EUR/USD WKLY FRIDAY OPTION	8,648	15,355	-43.7%	7,699	12.3%	95,362	85,214	11.9%
EUR/USD WKLY FRIDAY OPTION	10,277	16,684	-38.4%	10,145	1.3%	158,066	114,354	38.2%
EUR/USD WKLY FRIDAY OPTION	256	0	0.0%	0	0.0%	8,521	20,596	-58.6%
EUR/USD WKLY WED OPTIONS -	3,158	4,416	-28.5%	7,211	-56.2%	21,338	32,774	-34.9%
EUR/USD WKLY WED OPTIONS -	5,996	3,290	82.2%	5,103	17.5%	31,971	25,095	27.4%
EUR/USD WKLY WED OPTIONS -	4,575	5,324	-14.1%	4,256	7.5%	25,253	28,275	-10.7%
EUR/USD WKLY WED OPTIONS -	4,077	4,702	-13.3%	5,816	-29.9%	22,893	32,311	-29.1%
EUR/USD WKLY WED OPTIONS -	3,766	0	0.0%	0	0.0%	10,434	6,363	64.0%
EVENT CONTRACT EUR/USD	2,599	0	-	5,728	-54.6%	19,116	0	-
GBP/USD MONDAY OPTION WEE	766	217	253.0%	346	121.4%	3,955	2,723	45.2%
GBP/USD MONDAY OPTION WEE	1,647	1,499	9.9%	821	100.6%	6,177	5,034	22.7%
GBP/USD MONDAY OPTION WEE	211	115	83.5%	477	-55.8%	2,233	1,660	34.5%
GBP/USD MONDAY OPTION WEE	1,468	170	763.5%	604	143.0%	2,730	2,766	-1.3%
GBP/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	400	361	10.8%
GBP/USD MONTHLY OPTIONS	81,614	88,051	-7.3%	49,088	66.3%	324,795	378,802	-14.3%
GBP/USD THURSDAY WKLY OPT	222	0	-	400	-44.5%	1,218	0	-
GBP/USD THURSDAY WKLY OPT	143	0	-	61	134.4%	655	0	-
GBP/USD THURSDAY WKLY OPT	123	0	-	912	-86.5%	1,526	0	-
GBP/USD THURSDAY WKLY OPT	79	0	-	116	-31.9%	547	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	0.0%	61	0	-
GBP/USD TUESDAY WKLY OPT	92	0	-	193	-52.3%	877	0	-
GBP/USD TUESDAY WKLY OPT	279	0	-	954	-70.8%	1,797	0	-
GBP/USD TUESDAY WKLY OPT	696	0	-	2	34,700.0%	1,256	0	-
GBP/USD TUESDAY WKLY OPT	48	0	-	119	-59.7%	875	0	-
GBP/USD TUESDAY WKLY OPT	116	0	-	0	0.0%	341	0	-
GBP/USD WKLY FRIDAY OPTION	2,409	539	346.9%	0	0.0%	2,409	3,961	-39.2%
GBP/USD WKLY FRIDAY OPTION	1,145	4,500	-74.6%	5,395	-78.8%	16,595	14,139	17.4%
GBP/USD WKLY FRIDAY OPTION	5,518	2,600	112.2%	8,804	-37.3%	22,835	19,292	18.4%
GBP/USD WKLY FRIDAY OPTION	2,539	2,019	25.8%	1,806	40.6%	9,597	16,057	-40.2%
GBP/USD WKLY FRIDAY OPTION	508	0	0.0%	0	0.0%	3,433	5,170	-33.6%
GBP/USD WKLY WED OPTIONS -	79	303	-73.9%	1,864	-95.8%	3,563	7,299	-51.2%
GBP/USD WKLY WED OPTIONS -	745	261	185.4%	323	130.7%	6,201	2,561	142.1%
GBP/USD WKLY WED OPTIONS -	443	1,158	-61.7%	327	35.5%	4,549	6,706	-32.2%
GBP/USD WKLY WED OPTIONS -	1,979	438	351.8%	175	1,030.9%	4,047	6,347	-36.2%
GBP/USD WKLY WED OPTIONS -	572	0	0.0%	0	0.0%	665	330	101.5%
JPY/USD MONDAY OPTION WEE	438	89	392.1%	334	31.1%	3,720	2,105	76.7%
JPY/USD MONDAY OPTION WEE	1,692	846	100.0%	741	128.3%	10,510	5,076	107.1%
JPY/USD MONDAY OPTION WEE	202	980	-79.4%	54	274.1%	1,935	1,532	26.3%
JPY/USD MONDAY OPTION WEE	3,035	987	207.5%	884	243.3%	5,419	4,565	18.7%
JPY/USD MONDAY OPTION WEE	0	0	0.0%	0	0.0%	1,047	51	1,952.9%
JPY/USD MONTHLY OPTIONS	132,250	181,201	-27.0%	63,523	108.2%	499,716	797,778	-37.4%
JPY/USD THURSDAY WKLY OPT	19	0	-	3	533.3%	91	0	-
JPY/USD THURSDAY WKLY OPT	23	0	-	6	283.3%	91	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	17	-94.1%	137	0	-
JPY/USD THURSDAY WKLY OPT	24	0	-	27	-11.1%	51	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0	0.0%	157	0	-
JPY/USD TUESDAY WKLY OPT W	21	0	-	20	5.0%	70	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	19	-100.0%	1,405	0	-
JPY/USD TUESDAY WKLY OPT W	35	0	-	2	1,650.0%	112	0	-
JPY/USD TUESDAY WKLY OPT W	41	0	-	103	-60.2%	933	0	-
JPY/USD TUESDAY WKLY OPT W	32	0	-	0	0.0%	37	0	-

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOLUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>FX Options</b>								
JPY/USD WKLY FRIDAY OPTION	2,985	0	0.0%	0	0.0%	2,985	11,314	-73.6%
JPY/USD WKLY FRIDAY OPTION	5,541	12,448	-55.5%	4,809	15.2%	34,565	47,911	-27.9%
JPY/USD WKLY FRIDAY OPTION	5,187	11,101	-53.3%	7,179	-27.7%	42,420	53,837	-21.2%
JPY/USD WKLY FRIDAY OPTION	3,705	8,489	-56.4%	9,117	-59.4%	30,439	49,443	-38.4%
JPY/USD WKLY FRIDAY OPTION	1	0	0.0%	0	0.0%	4,644	16,096	-71.1%
JPY/USD WKLY WED OPTIONS -	1,769	1,977	-10.5%	3,239	-45.4%	13,800	15,253	-9.5%
JPY/USD WKLY WED OPTIONS -	2,011	4,421	-54.5%	2,238	-10.1%	13,227	16,018	-17.4%
JPY/USD WKLY WED OPTIONS -	2,435	2,921	-16.6%	2,507	-2.9%	17,921	11,813	51.7%
JPY/USD WKLY WED OPTIONS -	1,387	4,293	-67.7%	1,955	-29.1%	12,727	15,076	-15.6%
JPY/USD WKLY WED OPTIONS -	1,804	0	0.0%	0	0.0%	3,102	2,857	8.6%
MXN/USD MONTHLY OPTIONS	316	608	-48.0%	344	-8.1%	1,454	6,914	-79.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	17	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	28	18	55.6%	519	-94.6%	74,105	499	14,750.7%
NZD/USD WKLY FRIDAY OPTION	0	0	-	1	-100.0%	2	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
PY/USD THURSDAY WKLY OPT	1	0	-	0	0.0%	48	0	-
PY/USD TUESDAY WKLY OPT W	45	0	-	197	-77.2%	900	0	-
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	-	0	0	0.0%
ZAR/USD MONTHLY OPTIONS	0	0	-	0	0.0%	730	0	-

## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOIUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	614	111	453.2%	205	199.5%	1,797	1,824	-1.5%
BUTTER CS	4,405	4,112	7.1%	2,768	59.1%	17,844	23,477	-24.0%
CASH-SETTLED CHEESE	17,419	8,776	98.5%	12,994	34.1%	66,424	49,148	35.2%
CAT ASIA WEATHER	0	0	0.0%	0	-	0	0	0.0%
CATTLE	1,584,208	1,300,556	21.8%	1,059,419	49.5%	6,770,967	6,387,871	6.0%
CAT WEATHER EUROPEAN	0	0	0.0%	0	-	0	0	0.0%
CDD SEASONAL STRIP	250	3,950	-93.7%	1,250	-80.0%	3,950	6,550	-39.7%
CDD WEATHER	3,800	16,600	-77.1%	500	660.0%	4,300	21,350	-79.9%
CLASS IV MILK	2,374	2,788	-14.8%	396	499.5%	4,951	13,284	-62.7%
DRY WHEY	1,571	1,131	38.9%	1,540	2.0%	6,288	5,382	16.8%
FEEDER CATTLE	333,854	218,592	52.7%	367,492	-9.2%	1,724,049	1,311,322	31.5%
GOLDMAN SACHS	1,509	3,609	-58.2%	1,821	-17.1%	11,409	19,045	-40.1%
GSCI EXCESS RETURN FUT	2,108	3,504	-39.8%	1,646	28.1%	83,375	162,159	-48.6%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0.0%	2,000	8,000	-75.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0.0%	7,500	3,875	93.5%
HOGS	1,433,370	1,035,349	38.4%	787,400	82.0%	5,436,321	4,876,985	11.5%
HOUSING INDEX	18	49	-63.3%	11	63.6%	82	94	-12.8%
LUMBER	10,939	6,566	66.6%	13,611	-19.6%	63,287	39,875	58.7%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
MILK	36,745	27,302	34.6%	25,564	43.7%	142,107	153,645	-7.5%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	4,454	4,038	10.3%	3,898	14.3%	26,851	32,570	-17.6%
OTC SP GSCI ER SWAP	20,468	0	-	17,981	13.8%	76,898	0	-
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	0	0.0%
PORK CUTOUT	1,830	2,812	-34.9%	1,811	1.0%	7,184	12,841	-44.1%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	25,410	14,216	78.7%	28,190	-9.9%	146,614	105,825	38.5%



## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOLUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	273	0	0.0%	199	37.2%	980	863	13.6%
BUTTER CS	2,802	1,085	158.2%	1,989	40.9%	10,198	7,040	44.9%
CASH-SETTLED CHEESE	11,210	5,691	97.0%	5,444	105.9%	33,724	39,599	-14.8%
CATTLE	273,568	226,494	20.8%	266,506	2.6%	1,343,197	1,097,830	22.4%
CDD SEASONAL STRIP	24,200	6,250	287.2%	19,500	24.1%	64,700	16,000	304.4%
CDD WEATHER	3,500	750	366.7%	5,000	-30.0%	62,500	750	8,233.3%
CLASS IV MILK	6,225	6,853	-9.2%	4,124	50.9%	31,336	33,319	-6.0%
DRY WHEY	0	93	-100.0%	10	-100.0%	73	2,650	-97.2%
FEEDER CATTLE	54,263	34,442	57.5%	49,329	10.0%	286,385	177,745	61.1%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0.0%	29,700	4,800	518.8%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0.0%	20,000	1,000	1,900.0%
HOGS	332,275	239,236	38.9%	205,019	62.1%	1,389,213	1,202,349	15.5%
LUMBER	211	344	-38.7%	127	66.1%	1,092	2,564	-57.4%
LV CATL CSO	30	0	-	0	0.0%	60	0	-
MILK	24,932	19,836	25.7%	17,326	43.9%	114,143	98,146	16.3%
MLK MID OPTIONS	3	0	0.0%	1	200.0%	15	43	-65.1%
NFD MILK	2,991	3,036	-1.5%	3,448	-13.3%	21,702	23,758	-8.7%
PORK CUTOUT	0	0	0.0%	5	-100.0%	7	35	-80.0%

## CME Exchange Volume Report - Monthly

	VOLUME MAY 2023	VOLUME MAY 2022	% CHG	VOLUME APR 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	74,438,817	62,525,447	19.1%	50,009,937	48.8%	393,109,613	369,597,718	6.4%
Equity Index Futures	99,200,187	139,830,080	-29.1%	82,022,830	20.9%	529,159,741	631,874,988	-16.3%
FX Futures	17,365,965	17,463,260	-0.6%	13,829,444	25.6%	88,683,364	86,099,639	3.0%
Ag Products Futures	3,485,346	2,654,061	31.3%	2,328,497	49.7%	14,604,198	13,235,122	10.3%
<b>TOTAL FUTURES</b>	<b>194,490,315</b>	<b>222,472,848</b>	<b>-12.6%</b>	<b>148,190,708</b>	<b>31.2%</b>	<b>1,025,556,916</b>	<b>1,100,807,467</b>	<b>-6.8%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	28,020,589	26,876,171	4.3%	20,458,154	37.0%	131,555,150	123,439,890	6.6%
Interest Rate Options	40,207,705	21,355,066	88.3%	29,181,762	37.8%	228,436,453	133,846,281	70.7%
FX Options	794,177	884,652	-10.2%	567,733	39.9%	3,981,838	4,528,312	-12.1%
Ag Products Options	736,483	544,110	35.4%	578,027	27.4%	3,409,025	2,708,491	25.9%
<b>TOTAL OPTIONS</b>	<b>69,758,954</b>	<b>49,659,999</b>	<b>40.5%</b>	<b>50,785,676</b>	<b>37.4%</b>	<b>367,382,466</b>	<b>264,522,974</b>	<b>38.9%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	114,646,522	83,880,513	36.7%	79,191,699	44.8%	621,546,066	503,443,999	23.5%
Equity Index	127,220,776	166,706,251	-23.7%	102,480,984	24.1%	660,714,891	755,314,878	-12.5%
FX	18,160,142	18,347,912	-1.0%	14,397,177	26.1%	92,665,202	90,627,951	2.2%
Ag Products	4,221,829	3,198,171	32.0%	2,906,524	45.3%	18,013,223	15,943,613	13.0%
<b>GRAND TOTAL</b>	<b>264,249,269</b>	<b>272,132,847</b>	<b>-2.9%</b>	<b>198,976,384</b>	<b>32.8%</b>	<b>1,392,939,382</b>	<b>1,365,330,441</b>	<b>2.0%</b>