



## CME Exchange Volume Report - Monthly

	VOLUME DEC 2023	VOLUME DEC 2022	% CHG	VOIUME NOV 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
13-Week U.S. T-Bill Futures	9,060	0	-	16,014	-43.4%	43,734	0	-
1-MONTH EURODOLLAR	0	9	-100.0%	0	0.0%	1,006	77,856	-98.7%
BSBY 3-MONTH FUTURES	278	9,433	-97.1%	195	42.6%	32,610	569,291	-94.3%
ESTR Basis Spread Futures	4,326	859	403.6%	1,252	245.5%	19,345	2,539	661.9%
ESTR Futures	251,165	11,134	2,155.8%	275,896	-9.0%	1,583,894	16,779	9,339.7%
EURODOLLARS	0	10,093,645	-100.0%	0	0.0%	28,319,809	394,020,496	-92.8%
FTIIE	0	130	-100.0%	0	0.0%	1,774	1,171	51.5%
SOFR	70,372,513	40,831,127	72.4%	83,257,012	-15.5%	848,873,054	441,997,117	92.1%
SONIA	5	2,056	-99.8%	25	-80.0%	1,537	3,349	-54.1%
<b>Interest Rate Options</b>								
EURODOLLARS	0	7,908,771	-100.0%	0	0.0%	9,567,416	143,310,022	-93.3%
EURO MIDCURVE	0	421,970	-100.0%	0	0.0%	597,753	65,828,332	-99.1%
SOFR	29,662,183	12,991,569	128.3%	29,005,297	2.3%	348,502,541	86,072,767	304.9%
SOFR MIDCURVE	6,662,064	4,575,875	45.6%	9,798,127	-32.0%	83,085,850	24,309,231	241.8%
SOFR MISCURVE	0	0	-	0	0.0%	700	0	-

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<b>Equity Index Futures</b>								
AIR	186,807	64,633	189.0%	129,515	44.2%	1,184,658	703,286	68.4%
BITCOIN	243,550	156,415	55.7%	280,638	-13.2%	2,802,721	2,694,578	4.0%
E-mini FTSE China 50	0	55	-100.0%	0	0.0%	44	7,408	-99.4%
E-MINI MIDCAP	371,826	343,452	8.3%	304,845	22.0%	3,461,834	3,976,016	-12.9%
E-MINI NASDAQ 100	12,732,933	13,926,219	-8.6%	12,635,392	0.8%	166,975,397	176,874,262	-5.6%
E-MINI RUSSELL 1000	16,055	15,244	5.3%	8,049	99.5%	112,753	148,765	-24.2%
E-MINI RUSSELL 1000 GROWTH	21,000	10,435	101.2%	4,736	343.4%	80,995	103,840	-22.0%
E-MINI RUSSELL 1000 VALUE	68,385	62,137	10.1%	11,602	489.4%	254,183	300,802	-15.5%
E-MINI RUSSELL 2000	6,256,107	5,035,590	24.2%	4,668,514	34.0%	57,464,563	60,571,391	-5.1%
E-MINI S&P500	38,518,727	42,243,397	-8.8%	31,697,207	21.5%	452,701,954	503,954,527	-10.2%
E-MINI S&P500 ESG	65,873	54,636	20.6%	16,108	308.9%	330,611	390,659	-15.4%
ETHER	0	0	0.0%	0	0.0%	0	12	-100.0%
ETHER FUTURES	126,314	77,846	62.3%	138,838	-9.0%	1,281,723	1,571,750	-18.5%
FT-SE 100	34	0	0.0%	0	0.0%	875	1,528	-42.7%
FTSE Emerging	0	0	0.0%	0	-	0	0	0.0%
IBOVESPA INDEX	33	63	-47.6%	2	1,550.0%	362	688	-47.4%
MICRO BITCOIN	282,642	116,734	142.1%	262,741	7.6%	2,574,752	3,682,071	-30.1%
MICRO E-MINI NASDAQ 100	19,196,334	23,024,785	-16.6%	21,016,152	-8.7%	273,085,353	364,950,140	-25.2%
MICRO E-MINI RUSSELL 2000	1,895,537	1,737,641	9.1%	1,524,641	24.3%	19,452,998	32,832,497	-40.8%
MICRO E-MINI S&P500	14,204,686	26,075,194	-45.5%	16,319,492	-13.0%	248,272,150	343,974,047	-27.8%
MICRO ETHER	342,430	189,653	80.6%	219,097	56.3%	2,345,517	4,915,035	-52.3%
NASDAQ-100 VOLATILITY	0	807	-100.0%	0	0.0%	3,203	19,362	-83.5%
NASDAQ BIOTECH SECTOR	20	595	-96.6%	4	400.0%	1,505	2,818	-46.6%
Nearby BTIC+	0	0	0.0%	0	0.0%	0	7,588	-100.0%
NIKKEI 225 (\$) STOCK	157,628	131,856	19.5%	119,730	31.7%	1,704,031	1,402,552	21.5%
NIKKEI 225 (YEN) STOCK	631,099	684,932	-7.9%	619,090	1.9%	7,748,059	9,213,229	-15.9%
PHLX SEMICONDUCTOR SECTO	2,888	202	1,329.7%	2,749	5.1%	13,928	2,128	554.5%
S&P 500	8,464	26,680	-68.3%	13,269	-36.2%	159,231	197,782	-19.5%
S&P 500 ANNUAL DIVIDEND IND	58,541	69,170	-15.4%	82,588	-29.1%	910,066	983,613	-7.5%
S&P 500 QUARLY DIVIDEND IND	18,609	8,513	118.6%	18,532	0.4%	178,906	58,317	206.8%
S&P 600 SMALLCAP EMINI	1,747	0	-	137	1,175.2%	4,239	0	-
S&P BIOTECHNOLOGY SECTOR	1,271	1,465	-13.2%	842	51.0%	12,403	10,742	15.5%
S&P COMMUNICATION SERVICE	21,339	6,400	233.4%	1,822	1,071.2%	86,812	50,773	71.0%
S&P CONSUMER DISCRETIONAR	21,191	11,437	85.3%	7,335	188.9%	140,422	153,251	-8.4%
S&P CONSUMER STAPLES SECT	71,037	57,631	23.3%	14,078	404.6%	433,676	357,984	21.1%
S&P ENERGY SECTOR	109,353	101,937	7.3%	44,208	147.4%	619,898	822,381	-24.6%
S&P FINANCIAL SECTOR	91,906	79,579	15.5%	14,290	543.1%	571,631	465,992	22.7%
S&P HEALTH CARE SECTOR	33,938	36,823	-7.8%	10,045	237.9%	272,919	316,774	-13.8%
S&P INDUSTRIAL SECTOR	58,934	58,786	0.3%	12,485	372.0%	287,859	384,452	-25.1%
S&P MATERIALS SECTOR	34,126	20,585	65.8%	9,123	274.1%	214,283	188,876	13.5%
S&P OIL & GAS EXPLORATION A	742	340	118.2%	466	59.2%	4,339	5,025	-13.7%
S&P REAL ESTATE SECTOR	37,745	28,059	34.5%	5,826	547.9%	151,674	98,201	54.5%
S&P REGIONAL BANKS SECTOR	2,916	334	773.1%	2,517	15.9%	21,131	2,854	640.4%
S&P RETAIL SECTOR	627	423	48.2%	656	-4.4%	6,918	3,551	94.8%
S&P TECHNOLOGY SECTOR	36,553	36,607	-0.1%	12,592	190.3%	239,019	317,443	-24.7%
S&P UTILITIES SECTOR	78,361	64,684	21.1%	42,993	82.3%	638,138	449,530	42.0%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	-	0	0	0.0%
TOPIX (USD)	105	54	94.4%	60	75.0%	991	84	1,079.8%
TOPIX (YEN)	531	282	88.3%	494	7.5%	3,924	20,234	-80.6%
WATER INDEX FUTURES	2	6	-66.7%	18	-88.9%	169	601	-71.9%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	9,797	2,688	264.5%	5,993	63.5%	85,427	37,410	128.4%
E-MINI NASDAQ 100	1,398,701	790,195	77.0%	1,402,842	-0.3%	16,779,624	11,812,316	42.1%
E-MINI RUSSELL 2000	394,438	107,460	267.1%	316,462	24.6%	2,115,017	1,560,269	35.6%
E-MINI S&P500	29,595,904	23,474,656	26.1%	30,275,753	-2.2%	334,779,577	287,515,148	16.4%
EOM S&P 500	0	0	0.0%	0	-	0	0	0.0%
ETHER OPTIONS	3,485	323	978.9%	4,055	-14.1%	31,715	1,398	2,168.6%
EVENT CONTRACT S&P 500	1,757	0	-	4,625	-62.0%	72,197	0	-
MICRO BITCOIN	14,020	1,073	1,206.6%	20,949	-33.1%	157,390	78,540	100.4%
MICRO E-MINI NASDAQ 100	43,930	45,395	-3.2%	55,510	-20.9%	673,525	638,817	5.4%
Micro E-mini S&P 500	248,131	251,227	-1.2%	371,185	-33.2%	3,142,695	2,843,721	10.5%
MICRO ETHER	30,885	1,093	2,725.7%	94,402	-67.3%	330,474	348,515	-5.2%
S&P 500	0	0	0.0%	0	-	0	0	0.0%
<b>FX Futures</b>								
AD/CD CROSS RATES	0	139	-100.0%	0	0.0%	170	982	-82.7%
AD/JY CROSS RATES	3,865	2,659	45.4%	1,658	133.1%	22,445	52,723	-57.4%
AD/NE CROSS RATES	18,563	7,906	134.8%	8,799	111.0%	72,672	70,830	2.6%
AUSTRALIAN DOLLAR	2,313,537	2,040,515	13.4%	2,410,459	-4.0%	25,586,298	25,495,794	0.4%
BP/JY CROSS RATES	8,220	8,690	-5.4%	1,843	346.0%	44,633	64,940	-31.3%
BP/SF CROSS RATES	6,839	4,176	63.8%	3,494	95.7%	47,638	36,244	31.4%
BRAZIL REAL	373,194	267,537	39.5%	401,087	-7.0%	3,777,780	3,859,204	-2.1%
BRITISH POUND	2,288,196	2,410,863	-5.1%	2,276,061	0.5%	26,826,142	31,235,384	-14.1%
CANADIAN DOLLAR	2,046,256	1,899,517	7.7%	1,622,415	26.1%	21,328,002	22,767,637	-6.3%
CD/JY CROSS RATES	69	81	-14.8%	28	146.4%	731	803	-9.0%
CHILEAN PESO	0	0	0.0%	0	0.0%	45	24	87.5%
CHINESE RENMINBI (CNH)	64,128	40,239	59.4%	85,162	-24.7%	463,125	384,203	20.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0.0%	6	41	-85.4%
CZECK KORUNA (US)	265	183	44.8%	109	143.1%	650	846	-23.2%
EC/AD CROSS RATES	9,658	8,550	13.0%	1,304	640.6%	71,463	71,083	0.5%
EC/CD CROSS RATES	15,841	18,060	-12.3%	3,313	378.1%	81,088	107,318	-24.4%
EC/NOK CROSS RATES	6,268	1,812	245.9%	1,141	449.3%	31,399	26,441	18.8%
EC/SEK CROSS RATES	3,617	7,387	-51.0%	2,495	45.0%	61,094	42,468	43.9%
EFX/BP CROSS RATES	127,173	139,961	-9.1%	56,965	123.2%	912,622	1,190,445	-23.3%
EFX/JY CROSS RATES	109,088	81,752	33.4%	37,771	188.8%	686,221	692,678	-0.9%
EFX/SF CROSS RATES	57,888	43,529	33.0%	20,245	185.9%	334,681	482,719	-30.7%
E-MICRO USD/CAD	191	159	20.1%	21	809.5%	1,297	2,073	-37.4%
E-MICRO USD/CHF	104	108	-3.7%	47	121.3%	1,540	874	76.2%
E-MICRO USD/JPY	1,198	1,846	-35.1%	1,075	11.4%	36,858	154,207	-76.1%
E-MINI EURO FX	105,691	202,467	-47.8%	101,268	4.4%	1,400,237	1,910,593	-26.7%
E-MINI JAPANESE YEN	16,975	12,508	35.7%	13,416	26.5%	151,572	144,164	5.1%
EURO FX	5,907,509	6,135,149	-3.7%	4,407,899	34.0%	58,393,916	61,532,694	-5.1%
HUNGARIAN FORINT (EC)	11	4	175.0%	0	0.0%	52	37	40.5%
HUNGARIAN FORINT (US)	515	7	7,257.1%	354	45.5%	955	55	1,636.4%
INDIAN RUPEE	23,947	30,647	-21.9%	20,872	14.7%	300,160	334,048	-10.1%
JAPANESE YEN	4,282,883	3,543,641	20.9%	3,930,118	9.0%	44,265,092	39,570,152	11.9%
KOREAN WON	2,716	194	1,300.0%	2,753	-1.3%	14,268	5,704	150.1%
MEXICAN PESO	1,895,827	1,804,021	5.1%	1,293,320	46.6%	16,758,804	15,338,350	9.3%
MICRO AUD/USD	272,038	267,914	1.5%	316,148	-14.0%	3,346,872	3,184,143	5.1%
MICRO CAD/USD	49,561	65,788	-24.7%	56,122	-11.7%	623,517	759,823	-17.9%

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<b>FX Futures</b>								
MICRO CHF/USD	19,639	17,420	12.7%	12,228	60.6%	187,776	207,361	-9.4%
MICRO EUR/USD	580,016	837,913	-30.8%	581,463	-0.2%	7,284,299	9,634,442	-24.4%
MICRO GBP/USD	76,972	100,832	-23.7%	73,061	5.4%	837,375	1,480,028	-43.4%
MICRO INR/USD	178	747	-76.2%	218	-18.3%	4,488	8,554	-47.5%
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	718,323	662,394	8.4%	698,051	2.9%	8,068,764	7,878,897	2.4%
NKR/USD CROSS RATE	6,273	3,498	79.3%	2,663	135.6%	54,670	42,627	28.3%
POLISH ZLOTY (EC)	128	235	-45.5%	3	4,166.7%	866	1,464	-40.8%
POLISH ZLOTY (US)	2,666	2,070	28.8%	1,818	46.6%	17,949	20,039	-10.4%
RMB USD	0	1	-100.0%	0	0.0%	5	30	-83.3%
RUSSIAN RUBLE	0	0	0.0%	0	0.0%	0	587,309	-100.0%
S.AFRICAN RAND	78,644	91,440	-14.0%	85,106	-7.6%	1,048,890	1,120,614	-6.4%
SF/JY CROSS RATES	3,892	2,170	79.4%	964	303.7%	15,397	14,472	6.4%
SHEKEL	145	41	253.7%	249	-41.8%	1,737	201	764.2%
SKR/USD CROSS RATES	6,293	13,937	-54.8%	5,500	14.4%	67,645	97,553	-30.7%
SWISS FRANC	692,804	460,387	50.5%	432,941	60.0%	5,713,037	6,393,987	-10.6%
TURKISH LIRA	106	63	68.3%	0	0.0%	515	573	-10.1%
USDZAR	0	0	0.0%	15	-100.0%	215	31	593.5%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	100	53	88.7%	157	-36.3%	2,132	1,901	12.2%
AUD/USD MONDAY OPTION WEE	282	91	209.9%	50	464.0%	4,218	3,395	24.2%
AUD/USD MONDAY OPTION WEE	45	174	-74.1%	49	-8.2%	2,133	3,011	-29.2%
AUD/USD MONDAY OPTION WEE	4	9	-55.6%	83	-95.2%	3,263	3,589	-9.1%
AUD/USD MONDAY OPTION WEE	30	1	2,900.0%	0	0.0%	760	1,364	-44.3%
AUD/USD MONTHLY OPTIONS	53,963	41,461	30.2%	96,600	-44.1%	794,631	941,258	-15.6%
AUD/USD THURSDAY WKLY OPT	168	1	16,700.0%	516	-67.4%	1,782	1	178,100.0%
AUD/USD THURSDAY WKLY OPT	112	0	-	14	700.0%	996	0	-
AUD/USD THURSDAY WKLY OPT	49	71	-31.0%	12	308.3%	1,329	71	1,771.8%
AUD/USD THURSDAY WKLY OPT	6	3	100.0%	0	0.0%	1,623	3	54,000.0%
AUD/USD THURSDAY WKLY OPT	0	14	-100.0%	69	-100.0%	567	14	3,950.0%
AUD/USD TUESDAY WKLY OPT	113	13	769.2%	193	-41.5%	2,178	13	16,653.8%
AUD/USD TUESDAY WKLY OPT	153	0	-	107	43.0%	2,110	0	-
AUD/USD TUESDAY WKLY OPT	214	456	-53.1%	118	81.4%	1,621	456	255.5%
AUD/USD TUESDAY WKLY OPT	43	154	-72.1%	19	126.3%	1,353	154	778.6%
AUD/USD TUESDAY WKLY OPT	0	0	-	0	0.0%	483	0	-
AUD/USD WKLY FRIDAY OPTION	7	114	-93.9%	1,428	-99.5%	6,051	6,490	-6.8%
AUD/USD WKLY FRIDAY OPTION	787	1,006	-21.8%	1,077	-26.9%	16,059	18,955	-15.3%
AUD/USD WKLY FRIDAY OPTION	1,286	1,019	26.2%	2,017	-36.2%	20,546	23,797	-13.7%
AUD/USD WKLY FRIDAY OPTION	1,277	1,114	14.6%	1,325	-3.6%	20,111	20,558	-2.2%
AUD/USD WKLY FRIDAY OPTION	309	604	-48.8%	766	-59.7%	5,229	6,656	-21.4%
AUD/USD WKLY WED OPTIONS -	1,078	102	956.9%	73	1,376.7%	5,553	6,513	-14.7%
AUD/USD WKLY WED OPTIONS -	63	280	-77.5%	345	-81.7%	3,286	5,954	-44.8%
AUD/USD WKLY WED OPTIONS -	367	629	-41.7%	3,416	-89.3%	6,861	6,229	10.1%
AUD/USD WKLY WED OPTIONS -	13	132	-90.2%	551	-97.6%	3,229	5,716	-43.5%
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	356	-100.0%	1,635	958	70.7%
BRL/USD MONTHLY OPTIONS	20	42	-52.4%	0	0.0%	365	3,318	-89.0%
CAD/USD MONDAY OPTIONS WE	748	207	261.4%	2,393	-68.7%	10,205	4,544	124.6%
CAD/USD MONDAY OPTIONS WE	1,326	1,188	11.6%	1,562	-15.1%	12,426	12,696	-2.1%

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<b>FX Options</b>								
CAD/USD MONDAY OPTIONS WE	1,326	201	559.7%	2,103	-36.9%	10,592	11,650	-9.1%
CAD/USD MONDAY OPTIONS WE	964	9	10,611.1%	2,081	-53.7%	13,074	7,216	81.2%
CAD/USD MONDAY OPTIONS WE	290	746	-61.1%	0	0.0%	724	3,521	-79.4%
CAD/USD MONTHLY OPTIONS	28,485	61,315	-53.5%	41,030	-30.6%	589,690	1,081,277	-45.5%
CAD/USD THURSDAY WKLY OPT	1,577	0	-	1,572	0.3%	7,150	0	-
CAD/USD THURSDAY WKLY OPT	240	0	-	598	-59.9%	3,892	0	-
CAD/USD THURSDAY WKLY OPT	2,171	2	108,450.0%	314	591.4%	6,735	2	336,650.0%
CAD/USD THURSDAY WKLY OPT	505	0	-	0	0.0%	5,459	0	-
CAD/USD THURSDAY WKLY OPT	0	7	-100.0%	760	-100.0%	3,083	7	43,942.9%
CAD/USD TUESDAY WKLY OPT	307	13	2,261.5%	236	30.1%	5,223	13	40,076.9%
CAD/USD TUESDAY WKLY OPT	854	0	-	113	655.8%	8,743	0	-
CAD/USD TUESDAY WKLY OPT	237	0	-	1,087	-78.2%	6,882	0	-
CAD/USD TUESDAY WKLY OPT	1,161	2	57,950.0%	183	534.4%	5,385	2	269,150.0%
CAD/USD TUESDAY WKLY OPT	0	0	-	0	0.0%	1,240	0	-
CAD/USD WKLY FRIDAY OPTION	852	167	410.2%	4,022	-78.8%	16,706	16,988	-1.7%
CAD/USD WKLY FRIDAY OPTION	1,482	1,179	25.7%	3,395	-56.3%	27,072	38,503	-29.7%
CAD/USD WKLY FRIDAY OPTION	2,199	2,700	-18.6%	4,625	-52.5%	33,530	62,011	-45.9%
CAD/USD WKLY FRIDAY OPTION	3,519	2,640	33.3%	3,372	4.4%	38,647	55,173	-30.0%
CAD/USD WKLY FRIDAY OPTION	947	2,627	-64.0%	379	149.9%	12,853	15,531	-17.2%
CAD/USD WKLY WED OPTIONS -	2,253	501	349.7%	1,726	30.5%	17,875	11,411	56.6%
CAD/USD WKLY WED OPTIONS -	1,191	218	446.3%	1,744	-31.7%	13,503	13,026	3.7%
CAD/USD WKLY WED OPTIONS -	664	766	-13.3%	1,715	-61.3%	12,756	15,792	-19.2%
CAD/USD WKLY WED OPTIONS -	1,251	395	216.7%	857	46.0%	15,049	17,019	-11.6%
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	1,308	-100.0%	4,874	5,512	-11.6%
CHF/USD MONTHLY OPTIONS	18,506	4,079	353.7%	11,694	58.3%	105,917	66,284	59.8%
CHF/USD WKLY FRIDAY OPTION	12	5	140.0%	124	-90.3%	2,239	1,160	93.0%
CHF/USD WKLY FRIDAY OPTION	1,971	172	1,045.9%	221	791.9%	7,850	1,109	607.8%
CHF/USD WKLY FRIDAY OPTION	6,637	57	11,543.9%	2,442	171.8%	16,792	1,353	1,141.1%
CHF/USD WKLY FRIDAY OPTION	875	59	1,383.1%	2,357	-62.9%	19,255	1,458	1,220.6%
CHF/USD WKLY FRIDAY OPTION	4,404	8	54,950.0%	600	634.0%	8,538	208	4,004.8%
EUR/GBP MONTHLY OPTIONS	0	100	-100.0%	0	0.0%	0	3,804	-100.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
EUR/USD MONDAY OPTION WEE	207	411	-49.6%	1,007	-79.4%	16,706	20,698	-19.3%
EUR/USD MONDAY OPTION WEE	2,238	2,847	-21.4%	1,108	102.0%	21,896	32,901	-33.4%
EUR/USD MONDAY OPTION WEE	1,534	3,206	-52.2%	2,915	-47.4%	20,238	15,591	29.8%
EUR/USD MONDAY OPTION WEE	565	872	-35.2%	716	-21.1%	18,964	31,818	-40.4%
EUR/USD MONDAY OPTION WEE	1,987	720	176.0%	0	0.0%	5,225	5,742	-9.0%
EUR/USD MONTHLY OPTIONS	263,237	296,130	-11.1%	239,658	9.8%	3,282,080	3,459,785	-5.1%
EUR/USD THURSDAY WKLY OPT	3,675	51	7,105.9%	4,145	-11.3%	15,550	51	30,390.2%
EUR/USD THURSDAY WKLY OPT	5,038	0	-	130	3,775.4%	12,435	0	-
EUR/USD THURSDAY WKLY OPT	977	36	2,613.9%	3,115	-68.6%	9,651	36	26,708.3%
EUR/USD THURSDAY WKLY OPT	1,218	111	997.3%	0	0.0%	10,732	111	9,568.5%
EUR/USD THURSDAY WKLY OPT	0	42	-100.0%	540	-100.0%	920	42	2,090.5%
EUR/USD TUESDAY WKLY OPT	1,713	351	388.0%	2,119	-19.2%	7,815	351	2,126.5%
EUR/USD TUESDAY WKLY OPT	852	324	163.0%	695	22.6%	7,857	324	2,325.0%
EUR/USD TUESDAY WKLY OPT	92	0	-	1,100	-91.6%	7,659	0	-
EUR/USD TUESDAY WKLY OPT	157	59	166.1%	916	-82.9%	6,838	59	11,489.8%
EUR/USD TUESDAY WKLY OPT	0	0	-	0	0.0%	3,008	0	-
EUR/USD WKLY FRIDAY OPTION	213	831	-74.4%	9,680	-97.8%	39,202	68,379	-42.7%
EUR/USD WKLY FRIDAY OPTION	7,604	16,967	-55.2%	8,198	-7.2%	197,275	166,846	18.2%
EUR/USD WKLY FRIDAY OPTION	14,380	25,878	-44.4%	52,371	-72.5%	320,650	210,052	52.7%

**CME Exchange Volume Report - Monthly**

	VOLUME DEC 2023	VOLUME DEC 2022	% CHG	VOIUME NOV 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>FX Options</b>								
EUR/USD WKLY FRIDAY OPTION	13,730	9,407	46.0%	17,412	-21.1%	302,762	208,203	45.4%
EUR/USD WKLY FRIDAY OPTION	20,410	7,642	167.1%	430	4,646.5%	55,758	66,672	-16.4%
EUR/USD WKLY WED OPTIONS -	3,986	4,290	-7.1%	4,976	-19.9%	61,961	75,503	-17.9%
EUR/USD WKLY WED OPTIONS -	4,924	4,618	6.6%	4,570	7.7%	72,910	65,950	10.6%
EUR/USD WKLY WED OPTIONS -	7,260	4,624	57.0%	5,812	24.9%	63,277	64,345	-1.7%
EUR/USD WKLY WED OPTIONS -	4,919	2,911	69.0%	6,651	-26.0%	59,845	76,426	-21.7%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	6,704	-100.0%	21,573	24,484	-11.9%
EVENT CONTRACT EUR/USD	4,572	6,843	-33.2%	2,137	113.9%	63,037	13,685	360.6%
GBP/USD MONDAY OPTION WEE	417	703	-40.7%	519	-19.7%	7,335	6,680	9.8%
GBP/USD MONDAY OPTION WEE	37	754	-95.1%	1,149	-96.8%	10,310	11,917	-13.5%
GBP/USD MONDAY OPTION WEE	908	997	-8.9%	415	118.8%	6,589	4,823	36.6%
GBP/USD MONDAY OPTION WEE	245	509	-51.9%	2,411	-89.8%	9,720	6,701	45.1%
GBP/USD MONDAY OPTION WEE	457	418	9.3%	0	0.0%	1,450	3,739	-61.2%
GBP/USD MONTHLY OPTIONS	44,904	62,936	-28.7%	52,424	-14.3%	760,758	994,954	-23.5%
GBP/USD THURSDAY WKLY OPT	64	0	-	106	-39.6%	2,707	0	-
GBP/USD THURSDAY WKLY OPT	44	0	-	25	76.0%	1,995	0	-
GBP/USD THURSDAY WKLY OPT	1,600	4	39,900.0%	519	208.3%	4,512	4	112,700.0%
GBP/USD THURSDAY WKLY OPT	38	649	-94.1%	0	0.0%	1,400	649	115.7%
GBP/USD THURSDAY WKLY OPT	0	27	-100.0%	80	-100.0%	443	27	1,540.7%
GBP/USD TUESDAY WKLY OPT	204	41	397.6%	33	518.2%	1,897	41	4,526.8%
GBP/USD TUESDAY WKLY OPT	45	0	-	60	-25.0%	3,118	0	-
GBP/USD TUESDAY WKLY OPT	163	0	-	106	53.8%	2,739	0	-
GBP/USD TUESDAY WKLY OPT	53	57	-7.0%	28	89.3%	2,244	57	3,836.8%
GBP/USD TUESDAY WKLY OPT	0	0	-	0	0.0%	569	0	-
GBP/USD WKLY FRIDAY OPTION	4	633	-99.4%	1,225	-99.7%	7,925	11,381	-30.4%
GBP/USD WKLY FRIDAY OPTION	903	1,793	-49.6%	1,926	-53.1%	32,786	31,027	5.7%
GBP/USD WKLY FRIDAY OPTION	2,045	3,573	-42.8%	1,304	56.8%	41,129	43,923	-6.4%
GBP/USD WKLY FRIDAY OPTION	1,869	2,826	-33.9%	2,418	-22.7%	30,948	36,015	-14.1%
GBP/USD WKLY FRIDAY OPTION	3,420	3,168	8.0%	608	462.5%	10,953	14,337	-23.6%
GBP/USD WKLY WED OPTIONS -	399	1,927	-79.3%	409	-2.4%	9,035	16,016	-43.6%
GBP/USD WKLY WED OPTIONS -	756	1,054	-28.3%	107	606.5%	10,353	6,395	61.9%
GBP/USD WKLY WED OPTIONS -	1,369	1,193	14.8%	714	91.7%	13,666	12,606	8.4%
GBP/USD WKLY WED OPTIONS -	212	1,853	-88.6%	630	-66.3%	7,624	15,044	-49.3%
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	73	-100.0%	1,522	1,320	15.3%
JPY/USD MONDAY OPTION WEE	175	329	-46.8%	1,637	-89.3%	10,147	7,111	42.7%
JPY/USD MONDAY OPTION WEE	4,359	161	2,607.5%	1,744	149.9%	19,184	10,039	91.1%
JPY/USD MONDAY OPTION WEE	2,432	175	1,289.7%	1,999	21.7%	9,767	3,260	199.6%
JPY/USD MONDAY OPTION WEE	748	57	1,212.3%	661	13.2%	8,790	16,101	-45.4%
JPY/USD MONDAY OPTION WEE	181	16	1,031.3%	0	0.0%	6,633	983	574.8%
JPY/USD MONTHLY OPTIONS	136,444	73,449	85.8%	187,292	-27.1%	1,348,078	1,637,503	-17.7%
JPY/USD THURSDAY WKLY OPT	407	10	3,970.0%	225	80.9%	3,258	10	32,480.0%
JPY/USD THURSDAY WKLY OPT	720	0	-	2	35,900.0%	1,706	0	-
JPY/USD THURSDAY WKLY OPT	1,387	71	1,853.5%	117	1,085.5%	1,929	71	2,616.9%
JPY/USD THURSDAY WKLY OPT	19	32	-40.6%	0	0.0%	1,066	32	3,231.2%
JPY/USD THURSDAY WKLY OPT	0	20	-100.0%	1,331	-100.0%	1,608	20	7,940.0%
JPY/USD TUESDAY WKLY OPT W	1,057	4	26,325.0%	154	586.4%	2,679	4	66,875.0%
JPY/USD TUESDAY WKLY OPT W	1,397	2	69,750.0%	155	801.3%	5,624	2	281,100.0%
JPY/USD TUESDAY WKLY OPT W	1,727	6	28,683.3%	689	150.7%	4,847	6	80,683.3%
JPY/USD TUESDAY WKLY OPT W	689	10	6,790.0%	3	22,866.7%	4,213	10	42,030.0%
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	0.0%	2,762	0	-
JPY/USD WKLY FRIDAY OPTION	16	831	-98.1%	6,605	-99.8%	16,903	39,875	-57.6%

**CME Exchange Volume Report - Monthly**

	<b>VOLUME DEC 2023</b>	<b>VOLUME DEC 2022</b>	<b>% CHG</b>	<b>VOIUME NOV 2023</b>	<b>% CHG</b>	<b>VOLUME Y.T.D 2023</b>	<b>VOLUME Y.T.D 2022</b>	<b>% CHG</b>
<b>FX Options</b>								
JPY/USD WKLY FRIDAY OPTION	3,402	2,498	36.2%	8,213	-58.6%	82,505	91,454	-9.8%
JPY/USD WKLY FRIDAY OPTION	12,365	9,032	36.9%	11,329	9.1%	103,533	139,140	-25.6%
JPY/USD WKLY FRIDAY OPTION	13,837	6,142	125.3%	6,049	128.7%	108,120	123,886	-12.7%
JPY/USD WKLY FRIDAY OPTION	5,232	2,562	104.2%	447	1,070.5%	24,727	41,344	-40.2%
JPY/USD WKLY WED OPTIONS -	3,766	7,824	-51.9%	2,544	48.0%	43,106	50,147	-14.0%
JPY/USD WKLY WED OPTIONS -	4,331	5,113	-15.3%	6,803	-36.3%	38,751	45,582	-15.0%
JPY/USD WKLY WED OPTIONS -	11,571	4,065	184.6%	3,836	201.6%	45,970	39,425	16.6%
JPY/USD WKLY WED OPTIONS -	6,072	2,044	197.1%	2,847	113.3%	31,839	50,792	-37.3%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	3,523	-100.0%	10,026	15,566	-35.6%
MXN/USD MONTHLY OPTIONS	1,902	91	1,990.1%	18,063	-89.5%	41,988	16,910	148.3%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%	5	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	100	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	3	7,004	-100.0%	15	-80.0%	75,341	30,740	145.1%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%	2	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	-	0	0	0.0%
USD/CNH MONTHLY OPTIONS	0	0	-	70	-100.0%	891	0	-
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	0.0%	34	0	-
ZAR/USD MONTHLY OPTIONS	0	50	-100.0%	0	0.0%	730	50	1,360.0%

**CME Exchange Volume Report - Monthly**

	VOLUME DEC 2023	VOLUME DEC 2022	% CHG	VOIUME NOV 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	398	238	67.2%	175	127.4%	5,874	3,845	52.8%
BUTTER CS	4,185	3,823	9.5%	4,330	-3.3%	46,912	50,317	-6.8%
CASH-SETTLED CHEESE	16,012	12,855	24.6%	14,377	11.4%	163,707	120,822	35.5%
CAT ASIA WEATHER	0	0	0.0%	0	-	0	0	0.0%
CATTLE	993,726	895,754	10.9%	1,546,067	-35.7%	16,349,335	14,151,387	15.5%
CAT WEATHER EUROPEAN	0	0	0.0%	0	-	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	4,050	7,400	-45.3%
CDD WEATHER	0	0	0.0%	0	0.0%	16,950	23,650	-28.3%
CLASS IV MILK	1,621	1,497	8.3%	2,177	-25.5%	18,478	28,903	-36.1%
DRY WHEY	1,674	1,779	-5.9%	1,846	-9.3%	14,481	12,512	15.7%
FEEDER CATTLE	337,059	254,055	32.7%	375,257	-10.2%	4,394,402	3,359,554	30.8%
GOLDMAN SACHS	1,973	2,701	-27.0%	1,787	10.4%	24,211	45,110	-46.3%
GSCI EXCESS RETURN FUT	71,249	100,260	-28.9%	2,261	3,051.2%	306,578	506,294	-39.4%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	3,375	-100.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	0	3,900	-100.0%
HDD WEATHER	1,050	17,500	-94.0%	3,150	-66.7%	7,850	39,400	-80.1%
HDD WEATHER EUROPEAN	2,800	1,100	154.5%	4,275	-34.5%	14,825	9,425	57.3%
HOGS	793,308	802,222	-1.1%	1,175,446	-32.5%	12,792,589	11,408,559	12.1%
HOUSING INDEX	6	12	-50.0%	10	-40.0%	194	185	4.9%
LUMBER	16,578	13,115	26.4%	21,817	-24.0%	189,062	111,740	69.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
MILK	36,688	27,903	31.5%	34,926	5.0%	399,406	341,229	17.0%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	3,384	4,243	-20.2%	4,236	-20.1%	60,044	66,666	-9.9%
OTC SP GSCI ER SWAP	0	0	-	20,468	-100.0%	153,796	0	-
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	0	0.0%
PORK CUTOUT	106	1,275	-91.7%	266	-60.2%	15,008	24,136	-37.8%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	12,946	15,802	-18.1%	18,431	-29.8%	296,450	251,301	18.0%

## CME Exchange Volume Report - Monthly

	VOLUME DEC 2023	VOLUME DEC 2022	% CHG	VOIUME NOV 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	1,256	124	912.9%	1,360	-7.6%	7,380	2,639	179.7%
BUTTER CS	1,784	2,201	-18.9%	872	104.6%	22,876	20,391	12.2%
CASH-SETTLED CHEESE	7,520	3,802	97.8%	6,021	24.9%	89,090	80,292	11.0%
CATTLE	339,506	240,896	40.9%	534,767	-36.5%	4,101,801	2,595,920	58.0%
CDD SEASONAL STRIP	5,000	0	0.0%	0	0.0%	87,200	20,500	325.4%
CDD WEATHER	20,000	0	0.0%	0	0.0%	136,000	1,100	12,263.6%
CLASS IV MILK	7,975	4,988	59.9%	11,598	-31.2%	91,619	87,701	4.5%
DRY WHEY	168	50	236.0%	381	-55.9%	2,626	3,284	-20.0%
FEEDER CATTLE	71,223	28,377	151.0%	107,817	-33.9%	810,650	420,603	92.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	28,000	6,750	314.8%
HDD SEASONAL STRIP	2,000	0	0.0%	3,500	-42.9%	60,500	4,000	1,412.5%
HDD WEATHER	33,000	6,000	450.0%	13,000	153.8%	102,250	18,900	441.0%
HDD WEATHER EUROPEAN	18,000	0	0.0%	0	0.0%	38,000	2,000	1,800.0%
HOGS	280,107	219,714	27.5%	319,078	-12.2%	3,801,304	2,717,373	39.9%
LUMBER	607	108	462.0%	933	-34.9%	6,302	4,424	42.5%
LV CATL CSO	0	0	-	0	0.0%	60	0	-
MILK	23,707	21,136	12.2%	37,906	-37.5%	307,440	295,901	3.9%
MLK MID OPTIONS	6	1	500.0%	3	100.0%	31	47	-34.0%
NFD MILK	3,063	2,808	9.1%	6,221	-50.8%	64,249	51,536	24.7%
PACIFIC RIM DAT SS WTHR	0	0	-	0	0.0%	9,000	0	-
PORK CUTOUT	0	0	0.0%	0	0.0%	111	45	146.7%



## CME Exchange Volume Report - Monthly

	VOLUME DEC 2023	VOLUME DEC 2022	% CHG	VOIUME NOV 2023	% CHG	VOLUME Y.T.D 2023	VOLUME Y.T.D 2022	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	70,637,347	50,948,393	38.6%	83,550,394	-15.5%	878,876,763	836,688,598	5.0%
Equity Index Futures	96,008,946	114,562,316	-16.2%	90,273,518	6.4%	1,246,812,817	1,517,189,439	-17.8%
FX Futures	22,197,910	21,241,157	4.5%	18,972,042	17.0%	228,947,673	237,109,627	-3.4%
Ag Products Futures	2,294,763	2,156,134	6.4%	3,231,302	-29.0%	35,274,202	30,569,710	15.4%
<b>TOTAL FUTURES</b>	<b>191,138,966</b>	<b>188,908,000</b>	<b>1.2%</b>	<b>196,027,256</b>	<b>-2.5%</b>	<b>2,389,911,455</b>	<b>2,621,557,374</b>	<b>-8.8%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	31,741,048	24,674,110	28.6%	32,551,776	-2.5%	358,167,641	304,836,134	17.5%
Interest Rate Options	36,324,247	25,898,185	40.3%	38,803,424	-6.4%	441,754,260	319,520,352	38.3%
FX Options	787,326	722,790	8.9%	914,701	-13.9%	9,700,376	10,693,534	-9.3%
Ag Products Options	814,922	530,205	53.7%	1,043,457	-21.9%	9,766,489	6,333,406	54.2%
<b>TOTAL OPTIONS</b>	<b>69,667,543</b>	<b>51,825,290</b>	<b>34.4%</b>	<b>73,313,358</b>	<b>-5.0%</b>	<b>819,388,766</b>	<b>641,383,426</b>	<b>27.8%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	106,961,594	76,846,578	39.2%	122,353,818	-12.6%	1,320,631,023	1,156,208,950	14.2%
Equity Index	127,749,994	139,236,426	-8.2%	122,825,294	4.0%	1,604,980,458	1,822,025,573	-11.9%
FX	22,985,236	21,963,947	4.6%	19,886,743	15.6%	238,648,049	247,803,161	-3.7%
Ag Products	3,109,685	2,686,339	15.8%	4,274,759	-27.3%	45,040,691	36,903,116	22.1%
<b>GRAND TOTAL</b>	<b>260,806,509</b>	<b>240,733,290</b>	<b>8.3%</b>	<b>269,340,614</b>	<b>-3.2%</b>	<b>3,209,300,221</b>	<b>3,262,940,800</b>	<b>-1.6%</b>

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