

## CME Exchange Volume Report - Monthly

	VOLUME OCT 2022	VOLUME OCT 2021	% CHG	VOLUME SEP 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	2,048	2	102,300.0%	8	25,500.0%	73,835	2	3,691,650.0%
BSBY 3-MONTH FUTURES	25,925	158,740	-83.7%	22,242	16.6%	540,148	305,105	77.0%
EURODOLLARS	17,793,183	67,416,533	-73.6%	27,341,312	-34.9%	368,760,669	506,270,768	-27.2%
SOFR	41,596,862	5,006,727	730.8%	54,973,016	-24.3%	352,215,325	27,177,753	1,196.0%
SONIA	0	19,085	-100.0%	0	0.0%	1,293	798,109	-99.8%
TIIE	35	40	-12.5%	124	-71.8%	1,016	799	27.2%
<b>Interest Rate Options</b>								
EURODOLLARS	11,315,570	8,151,030	38.8%	11,008,197	2.8%	125,690,180	43,845,417	186.7%
EURO MIDCURVE	1,100,836	22,448,774	-95.1%	2,421,837	-54.5%	64,657,098	172,116,233	-62.4%
SOFR	15,443,918	0	0.0%	13,649,019	13.2%	57,054,708	8,652	659,339.5%
SOFR MIDCURVE	3,460,712	25	13,842,748.0%	4,165,483	-16.9%	15,535,432	85	18,276,878.8%

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<b>Equity Index Futures</b>								
BITCOIN	279,413	266,975	4.7%	279,859	-0.2%	2,244,817	2,151,874	4.3%
E-mini FTSE China 50	116	144	-19.4%	101	14.9%	7,122	665	971.0%
E-MINI MIDCAP	293,057	252,718	16.0%	432,499	-32.2%	3,367,767	2,612,374	28.9%
E-MINI NASDAQ 100	16,051,781	11,194,398	43.4%	17,694,644	-9.3%	149,722,178	114,308,819	31.0%
E-MINI RUSSELL 1000	10,227	5,563	83.8%	16,666	-38.6%	132,156	109,349	20.9%
E-MINI RUSSELL 1000 GROWTH	7,858	2,664	195.0%	15,462	-49.2%	87,784	49,865	76.0%
E-MINI RUSSELL 1000 VALUE	3,911	13,018	-70.0%	39,614	-90.1%	233,021	297,097	-21.6%
E-MINI RUSSELL 2000	5,231,508	3,568,440	46.6%	6,545,944	-20.1%	51,480,839	41,435,354	24.2%
E-MINI S&P500	48,151,616	29,063,385	65.7%	59,820,277	-19.5%	425,367,915	329,543,397	29.1%
E-MINI S&P500 ESG	28,360	12,634	124.5%	57,966	-51.1%	320,012	197,089	62.4%
ETHER	0	0	-	5	-100.0%	12	0	-
ETHER FUTURES	132,139	114,659	15.2%	163,114	-19.0%	1,325,240	675,509	96.2%
FT-SE 100	145	57	154.4%	75	93.3%	1,524	1,353	12.6%
FTSE Emerging	0	0	0.0%	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	52	379	-86.3%	54	-3.7%	581	2,233	-74.0%
MICRO BITCOIN	218,951	570,719	-61.6%	235,507	-7.0%	3,221,664	2,728,288	18.1%
MICRO E-MINI NASDAQ 100	31,704,461	19,586,443	61.9%	33,070,474	-4.1%	315,858,218	193,176,393	63.5%
MICRO E-MINI RUSSELL 2000	2,931,274	2,939,925	-0.3%	2,445,573	19.9%	28,854,544	31,337,891	-7.9%
MICRO E-MINI S&P500	33,300,874	17,825,532	86.8%	35,111,542	-5.2%	290,713,102	178,549,646	62.8%
MICRO ETHER	329,615	0	-	498,477	-33.9%	4,251,026	0	-
NASDAQ-100 VOLATILITY	70	2	3,400.0%	20	250.0%	18,519	97	18,991.8%
NASDAQ BIOTECH SECTOR	202	88	129.5%	589	-65.7%	2,160	7,084	-69.5%
Nearby BTIC+	750	100	650.0%	0	0.0%	7,538	456	1,553.1%
NIKKEI 225 (\$) STOCK	100,894	148,247	-31.9%	137,941	-26.9%	1,173,809	1,337,106	-12.2%
NIKKEI 225 (YEN) STOCK	759,153	810,581	-6.3%	890,324	-14.7%	7,939,249	6,724,371	18.1%
PHLX SEMICONDUCTOR SECTO	829	0	-	842	-1.5%	1,697	0	-
S&P 500	40,753	32,402	25.8%	161,343	-74.7%	759,454	1,118,381	-32.1%
S&P 500 ANNUAL DIVIDEND IND	92,242	62,278	48.1%	79,879	15.5%	836,444	623,765	34.1%
S&P 500/GI	0	0	0.0%	0	-	0	0	0.0%
S&P 500 QUARLY DIVIDEND IND	4,439	5,325	-16.6%	5,102	-13.0%	43,224	23,789	81.7%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	-	0	0	0.0%
S&P BIOTECHNOLOGY SECTOR	1,047	0	-	1,400	-25.2%	8,254	0	-
S&P COMMUNICATION SERVICE	3,172	1,995	59.0%	8,335	-61.9%	41,837	39,288	6.5%
S&P CONSUMER DISCRETIONAR	8,433	9,764	-13.6%	19,501	-56.8%	137,110	119,991	14.3%
S&P CONSUMER STAPLES SECT	19,906	25,683	-22.5%	57,579	-65.4%	288,130	365,646	-21.2%
S&P ENERGY SECTOR	42,286	29,402	43.8%	118,572	-64.3%	691,069	510,050	35.5%
S&P FINANCIAL SECTOR	19,742	28,664	-31.1%	67,384	-70.7%	371,871	630,869	-41.1%
S&P HEALTH CARE SECTOR	11,009	28,052	-60.8%	47,201	-76.7%	271,704	253,358	7.2%
S&P INDUSTRIAL SECTOR	19,411	7,523	158.0%	50,105	-61.3%	292,822	248,796	17.7%
S&P MATERIALS SECTOR	9,293	9,334	-0.4%	24,290	-61.7%	154,440	138,540	11.5%
S&P OIL & GAS EXPLORATION A	494	0	-	691	-28.5%	4,319	0	-
S&P REAL ESTATE SECTOR	4,150	4,025	3.1%	13,984	-70.3%	68,297	90,050	-24.2%
S&P REGIONAL BANKS SECTOR	589	0	-	1,320	-55.4%	2,196	0	-
S&P RETAIL SECTOR	180	0	-	872	-79.4%	2,839	0	-
S&P TECHNOLOGY SECTOR	29,464	9,207	220.0%	61,250	-51.9%	270,240	155,916	73.3%
S&P UTILITIES SECTOR	20,497	28,597	-28.3%	62,605	-67.3%	363,114	323,878	12.1%
S&P VALUE INDEX FUTURES	0	380	-100.0%	0	0.0%	0	2,480	-100.0%
WATER INDEX FUTURES	0	2	-100.0%	0	0.0%	592	946	-37.4%
YEN DENOMINATED TOPIX	39	5,672	-99.3%	1,570	-97.5%	19,805	23,294	-15.0%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	4,843	1,432	238.2%	2,586	87.3%	28,634	14,028	104.1%
E-MINI NASDAQ 100	1,061,260	669,301	58.6%	1,153,958	-8.0%	10,087,697	5,648,949	78.6%
E-mini Russell 2000	100,109	100,424	-0.3%	78,071	28.2%	1,042,329	913,929	14.0%
E-MINI RUSSELL 2000	25,800	21,025	22.7%	31,239	-17.4%	315,794	277,523	13.8%
E-mini S&P 500	14,312,910	10,564,047	35.5%	12,255,645	16.8%	119,376,456	74,273,656	60.7%
E-MINI S&P500	15,001,880	7,499,708	100.0%	17,025,013	-11.9%	119,839,531	62,818,352	90.8%
EOM S&P 500	0	0	0.0%	0	0.0%	0	20,000	-100.0%
ETHER OPTIONS	466	0	-	103	352.4%	569	0	-
MICRO BITCOIN	7,057	0	-	11,819	-40.3%	74,037	0	-
Micro E-mini Nasdaq-100	40,407	38,834	4.1%	33,989	18.9%	429,730	277,164	55.0%
MICRO E-MINI NASDAQ 100	6,684	3,959	68.8%	11,901	-43.8%	116,132	56,428	105.8%
Micro E-mini S&P 500	221,386	230,503	-4.0%	252,242	-12.2%	2,335,297	1,557,082	50.0%
MICRO ETHER	39,574	0	-	59,201	-33.2%	317,189	0	-
S&P 500	0	0	0.0%	0	0.0%	0	1,302,305	-100.0%

<b>FX Futures</b>								
AD/CD CROSS RATES	53	14	278.6%	114	-53.5%	626	226	177.0%
AD/JY CROSS RATES	3,643	2,542	43.3%	5,580	-34.7%	47,459	23,233	104.3%
AD/NE CROSS RATES	12,241	536	2,183.8%	17,481	-30.0%	61,133	3,174	1,826.1%
AUSTRALIAN DOLLAR	2,183,312	1,842,342	18.5%	2,777,152	-21.4%	21,315,587	20,653,350	3.2%
BP/JY CROSS RATES	5,266	2,329	126.1%	13,380	-60.6%	53,526	27,823	92.4%
BP/SF CROSS RATES	3,161	557	467.5%	10,246	-69.1%	30,837	10,634	190.0%
BRAZIL REAL	315,624	216,179	46.0%	294,885	7.0%	3,215,599	2,512,752	28.0%
BRITISH POUND	3,109,061	1,856,257	67.5%	4,450,862	-30.1%	26,436,004	19,715,336	34.1%
CANADIAN DOLLAR	2,044,419	1,495,839	36.7%	2,686,823	-23.9%	19,076,715	16,640,131	14.6%
CD/JY CROSS RATES	71	446	-84.1%	15	373.3%	693	2,706	-74.4%
CHINESE RENMINBI (CNH)	45,898	12,456	268.5%	49,260	-6.8%	299,033	164,927	81.3%
CZECK KORUNA (EC)	0	0	0.0%	0	0.0%	41	8	412.5%
CZECK KORUNA (US)	175	0	0.0%	242	-27.7%	497	8	6,112.5%
EC/AD CROSS RATES	3,708	3,243	14.3%	14,356	-74.2%	58,730	51,292	14.5%
EC/CD CROSS RATES	4,679	4,320	8.3%	15,976	-70.7%	84,918	70,685	20.1%
EC/NOK CROSS RATES	421	706	-40.4%	11,221	-96.2%	23,624	8,935	164.4%
EC/SEK CROSS RATES	871	311	180.1%	5,019	-82.6%	33,564	6,385	425.7%
EFX/BP CROSS RATES	80,551	37,179	116.7%	194,501	-58.6%	983,478	584,183	68.4%
EFX/JY CROSS RATES	30,554	34,304	-10.9%	101,560	-69.9%	584,765	452,391	29.3%
EFX/SF CROSS RATES	29,027	17,290	67.9%	64,632	-55.1%	425,002	254,597	66.9%
E-MICRO USD/CAD	20	1,358	-98.5%	83	-75.9%	1,838	1,704	7.9%
E-MICRO USD/CHF	32	54	-40.7%	63	-49.2%	739	83	790.4%
E-MICRO USD/JPY	837	2,799	-70.1%	1,980	-57.7%	151,161	2,921	5,075.0%
E-MINI EURO FX	161,440	82,740	95.1%	214,527	-24.7%	1,521,352	1,195,111	27.3%
E-MINI JAPANESE YEN	16,060	10,608	51.4%	22,461	-28.5%	121,696	92,776	31.2%
EURO FX	4,652,761	3,409,081	36.5%	8,111,349	-42.6%	50,710,260	40,136,007	26.3%
HUNGARIAN FORINT (EC)	1	0	0.0%	0	0.0%	33	18	83.3%
HUNGARIAN FORINT (US)	0	3	-100.0%	4	-100.0%	42	171	-75.4%
INDIAN RUPEE	39,486	16,464	139.8%	44,500	-11.3%	270,075	143,504	88.2%
JAPANESE YEN	3,665,644	2,332,063	57.2%	5,026,431	-27.1%	32,988,057	22,238,484	48.3%
KOREAN WON	492	984	-50.0%	326	50.9%	5,174	19,227	-73.1%
MEXICAN PESO	1,376,493	885,995	55.4%	1,946,448	-29.3%	12,312,610	11,046,192	11.5%
MICRO AUD/USD	289,867	196,181	47.8%	276,759	4.7%	2,644,276	2,066,390	28.0%

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<b>FX Futures</b>								
MICRO CAD/USD	85,931	55,291	55.4%	69,404	23.8%	613,635	563,134	9.0%
MICRO CHF/USD	16,673	7,180	132.2%	25,467	-34.5%	174,102	86,798	100.6%
MICRO EUR/USD	923,965	421,912	119.0%	1,023,632	-9.7%	7,922,863	4,803,593	64.9%
MICRO GBP/USD	234,107	104,204	124.7%	233,213	0.4%	1,252,857	770,095	62.7%
MICRO INR/USD	621	1,188	-47.7%	592	4.9%	7,043	17,534	-59.8%
MICRO JPY/USD	0	46,053	-100.0%	0	0.0%	101,719	346,054	-70.6%
MICRO USD/CNH	0	0	0.0%	0	0.0%	2	36	-94.4%
NEW ZEALND DOLLAR	745,879	530,654	40.6%	972,959	-23.3%	6,598,837	5,989,589	10.2%
NKR/USD CROSS RATE	3,420	2,770	23.5%	7,299	-53.1%	36,365	55,851	-34.9%
POLISH ZLOTY (EC)	2	66	-97.0%	203	-99.0%	1,223	1,414	-13.5%
POLISH ZLOTY (US)	1,811	699	159.1%	2,929	-38.2%	15,580	9,237	68.7%
RMB USD	0	0	0.0%	10	-100.0%	29	3	866.7%
RUSSIAN RUBLE	0	117,753	-100.0%	22	-100.0%	587,309	1,113,299	-47.2%
S.AFRICAN RAND	80,785	51,173	57.9%	113,049	-28.5%	958,783	601,070	59.5%
SF/JY CROSS RATES	447	74	504.1%	3,434	-87.0%	10,774	545	1,876.9%
SHEKEL	1	16	-93.8%	45	-97.8%	154	34	352.9%
SKR/USD CROSS RATES	4,926	4,793	2.8%	12,830	-61.6%	76,485	58,576	30.6%
SWISS FRANC	458,555	466,578	-1.7%	783,821	-41.5%	5,481,150	4,925,335	11.3%
TURKISH LIRA	24	16	50.0%	132	-81.8%	461	885	-47.9%
USDZAR	0	1	-100.0%	0	0.0%	31	72	-56.9%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	5	1,142	-99.6%	55	-90.9%	1,759	4,654	-62.2%
AUD/USD MONDAY OPTION WEE	18	1,245	-98.6%	53	-66.0%	3,261	4,476	-27.1%
AUD/USD MONDAY OPTION WEE	134	797	-83.2%	84	59.5%	2,420	4,484	-46.0%
AUD/USD MONDAY OPTION WEE	91	516	-82.4%	268	-66.0%	3,234	4,512	-28.3%
AUD/USD MONDAY OPTION WEE	145	0	0.0%	0	0.0%	1,363	1,370	-0.5%
AUD/USD MONTHLY OPTIONS	52,855	104,917	-49.6%	80,112	-34.0%	835,181	868,567	-3.8%
AUD/USD WKLY FRIDAY OPTION	0	119	-100.0%	177	-100.0%	5,480	7,231	-24.2%
AUD/USD WKLY FRIDAY OPTION	2,122	1,945	9.1%	973	118.1%	15,906	16,925	-6.0%
AUD/USD WKLY FRIDAY OPTION	1,072	2,799	-61.7%	1,344	-20.2%	21,536	27,692	-22.2%
AUD/USD WKLY FRIDAY OPTION	2,541	2,684	-5.3%	1,074	136.6%	18,316	29,817	-38.6%
AUD/USD WKLY FRIDAY OPTION	0	3,366	-100.0%	972	-100.0%	5,800	8,641	-32.9%
AUD/USD WKLY WED OPTIONS -	432	3,362	-87.2%	82	426.8%	6,361	13,095	-51.4%
AUD/USD WKLY WED OPTIONS -	477	717	-33.5%	199	139.7%	4,671	8,146	-42.7%
AUD/USD WKLY WED OPTIONS -	85	127	-33.1%	30	183.3%	2,157	3,068	-29.7%
AUD/USD WKLY WED OPTIONS -	127	576	-78.0%	114	11.4%	4,735	9,069	-47.8%
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%	578	1,985	-70.9%
BRL/USD MONTHLY OPTIONS	22	501	-95.6%	284	-92.3%	3,043	3,291	-7.5%
CAD/USD MONDAY OPTIONS WE	685	1,248	-45.1%	545	25.7%	2,518	8,895	-71.7%
CAD/USD MONDAY OPTIONS WE	216	723	-70.1%	928	-76.7%	10,712	15,720	-31.9%
CAD/USD MONDAY OPTIONS WE	424	400	6.0%	1,922	-77.9%	10,046	10,304	-2.5%
CAD/USD MONDAY OPTIONS WE	11	802	-98.6%	804	-98.6%	7,017	22,507	-68.8%
CAD/USD MONDAY OPTIONS WE	1,240	0	0.0%	0	0.0%	2,775	3,147	-11.8%
CAD/USD MONTHLY OPTIONS	73,022	77,830	-6.2%	86,838	-15.9%	912,191	799,106	14.2%
CAD/USD WKLY FRIDAY OPTION	0	710	-100.0%	1,002	-100.0%	13,523	27,536	-50.9%
CAD/USD WKLY FRIDAY OPTION	4,220	2,834	48.9%	1,535	174.9%	34,686	45,764	-24.2%
CAD/USD WKLY FRIDAY OPTION	2,991	7,211	-58.5%	4,764	-37.2%	55,299	76,730	-27.9%
CAD/USD WKLY FRIDAY OPTION	3,664	5,653	-35.2%	7,708	-52.5%	49,437	95,910	-48.5%
CAD/USD WKLY FRIDAY OPTION	0	10,929	-100.0%	2,751	-100.0%	12,898	28,327	-54.5%

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<b>FX Options</b>								
CAD/USD WKLY WED OPTIONS -	992	2,864	-65.4%	1,147	-13.5%	10,164	21,192	-52.0%
CAD/USD WKLY WED OPTIONS -	804	1,273	-36.8%	404	99.0%	12,025	18,371	-34.5%
CAD/USD WKLY WED OPTIONS -	1,062	1,500	-29.2%	1,750	-39.3%	14,567	23,667	-38.5%
CAD/USD WKLY WED OPTIONS -	1,681	785	114.1%	564	198.0%	15,814	26,341	-40.0%
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%	4,474	9,535	-53.1%
CHF/USD MONTHLY OPTIONS	3,267	10,782	-69.7%	13,837	-76.4%	57,449	55,476	3.6%
CHF/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	989	411	140.6%
CHF/USD WKLY FRIDAY OPTION	30	52	-42.3%	8	275.0%	901	2,292	-60.7%
CHF/USD WKLY FRIDAY OPTION	46	179	-74.3%	38	21.1%	1,047	1,882	-44.4%
CHF/USD WKLY FRIDAY OPTION	30	45	-33.3%	181	-83.4%	1,237	2,431	-49.1%
CHF/USD WKLY FRIDAY OPTION	0	44	-100.0%	34	-100.0%	117	282	-58.5%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0.0%	3,704	6	61,633.3%
EUR/GBP WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	0	0.0%
EURODOLLARS	1,820	0	-	1,690	7.7%	3,510	0	-
EUR/USD MONDAY OPTION WEE	2,851	3,550	-19.7%	4,350	-34.5%	19,254	21,432	-10.2%
EUR/USD MONDAY OPTION WEE	2,552	9,803	-74.0%	3,272	-22.0%	27,037	22,924	17.9%
EUR/USD MONDAY OPTION WEE	763	2,530	-69.8%	2,124	-64.1%	10,423	15,588	-33.1%
EUR/USD MONDAY OPTION WEE	1,471	1,374	7.1%	4,943	-70.2%	30,308	27,964	8.4%
EUR/USD MONDAY OPTION WEE	766	0	0.0%	0	0.0%	5,022	5,945	-15.5%
EUR/USD MONTHLY OPTIONS	337,205	200,522	68.2%	431,923	-21.9%	2,760,020	2,038,226	35.4%
EUR/USD WKLY FRIDAY OPTION	3	358	-99.2%	3,547	-99.9%	54,082	50,664	6.7%
EUR/USD WKLY FRIDAY OPTION	15,767	8,474	86.1%	6,683	135.9%	141,085	129,114	9.3%
EUR/USD WKLY FRIDAY OPTION	15,399	22,122	-30.4%	16,609	-7.3%	165,015	202,282	-18.4%
EUR/USD WKLY FRIDAY OPTION	15,885	16,927	-6.2%	11,726	35.5%	186,377	189,226	-1.5%
EUR/USD WKLY FRIDAY OPTION	0	24,176	-100.0%	15,398	-100.0%	59,021	85,773	-31.2%
EUR/USD WKLY WED OPTIONS -	9,153	8,293	10.4%	11,867	-22.9%	67,959	67,090	1.3%
EUR/USD WKLY WED OPTIONS -	7,267	6,187	17.5%	7,309	-0.6%	56,221	70,368	-20.1%
EUR/USD WKLY WED OPTIONS -	5,698	4,854	17.4%	5,079	12.2%	53,758	68,398	-21.4%
EUR/USD WKLY WED OPTIONS -	8,678	8,530	1.7%	7,733	12.2%	67,748	89,824	-24.6%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%	21,447	25,392	-15.5%
GBP/USD MONDAY OPTION WEE	381	1,106	-65.6%	771	-50.6%	5,289	5,200	1.7%
GBP/USD MONDAY OPTION WEE	509	677	-24.8%	1,342	-62.1%	10,712	7,248	47.8%
GBP/USD MONDAY OPTION WEE	273	1,658	-83.5%	739	-63.1%	3,183	4,031	-21.0%
GBP/USD MONDAY OPTION WEE	829	1,236	-32.9%	860	-3.6%	5,709	7,355	-22.4%
GBP/USD MONDAY OPTION WEE	1,841	0	0.0%	0	0.0%	3,321	2,454	35.3%
GBP/USD MONTHLY OPTIONS	105,333	87,773	20.0%	136,054	-22.6%	858,315	743,881	15.4%
GBP/USD WKLY FRIDAY OPTION	0	80	-100.0%	206	-100.0%	9,133	12,507	-27.0%
GBP/USD WKLY FRIDAY OPTION	4,440	3,367	31.9%	1,119	296.8%	25,763	25,336	1.7%
GBP/USD WKLY FRIDAY OPTION	3,166	2,223	42.4%	2,891	9.5%	33,307	31,079	7.2%
GBP/USD WKLY FRIDAY OPTION	2,516	5,459	-53.9%	6,601	-61.9%	30,811	37,872	-18.6%
GBP/USD WKLY FRIDAY OPTION	0	2,012	-100.0%	2,477	-100.0%	10,677	11,057	-3.4%
GBP/USD WKLY WED OPTIONS -	2,198	2,054	7.0%	1,605	36.9%	13,428	12,201	10.1%
GBP/USD WKLY WED OPTIONS -	539	1,205	-55.3%	382	41.1%	4,832	7,183	-32.7%
GBP/USD WKLY WED OPTIONS -	1,069	1,000	6.9%	1,499	-28.7%	10,359	6,771	53.0%
GBP/USD WKLY WED OPTIONS -	1,586	2,344	-32.3%	1,152	37.7%	12,388	12,478	-0.7%
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%	670	2,591	-74.1%
JPY/USD MONDAY OPTION WEE	153	1,061	-85.6%	3,640	-95.8%	6,694	4,352	53.8%
JPY/USD MONDAY OPTION WEE	438	920	-52.4%	101	333.7%	8,315	6,011	38.3%
JPY/USD MONDAY OPTION WEE	156	210	-25.7%	44	254.5%	2,976	3,892	-23.5%
JPY/USD MONDAY OPTION WEE	6,372	673	846.8%	1,389	358.7%	15,755	4,279	268.2%
JPY/USD MONDAY OPTION WEE	720	0	0.0%	0	0.0%	967	2,697	-64.1%

## CME Exchange Volume Report - Monthly

	VOLUME OCT 2022	VOLUME OCT 2021	% CHG	VOLUME SEP 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>FX Options</b>								
JPY/USD MONTHLY OPTIONS	141,887	111,977	26.7%	118,691	19.5%	1,482,482	880,405	68.4%
JPY/USD WKLY FRIDAY OPTION	0	9	-100.0%	492	-100.0%	32,838	28,897	13.6%
JPY/USD WKLY FRIDAY OPTION	10,664	2,213	381.9%	4,319	146.9%	82,270	52,691	56.1%
JPY/USD WKLY FRIDAY OPTION	15,618	13,792	13.2%	10,344	51.0%	118,614	99,162	19.6%
JPY/USD WKLY FRIDAY OPTION	12,765	12,059	5.9%	13,498	-5.4%	113,835	92,942	22.5%
JPY/USD WKLY FRIDAY OPTION	0	10,959	-100.0%	9,443	-100.0%	38,761	36,687	5.7%
JPY/USD WKLY WED OPTIONS -	9,752	5,655	72.4%	5,226	86.6%	40,595	28,311	43.4%
JPY/USD WKLY WED OPTIONS -	5,857	5,641	3.8%	6,494	-9.8%	37,304	37,354	-0.1%
JPY/USD WKLY WED OPTIONS -	3,569	4,877	-26.8%	5,731	-37.7%	32,368	34,797	-7.0%
JPY/USD WKLY WED OPTIONS -	6,953	6,027	15.4%	8,037	-13.5%	46,647	31,885	46.3%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%	12,005	9,879	21.5%
MXN/USD MONTHLY OPTIONS	353	2,790	-87.3%	1,320	-73.3%	15,865	14,582	8.8%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	17	604	-97.2%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	552	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	631	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	10	553	-98.2%	16,403	-99.9%	23,732	2,061	1,051.5%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD WKLY FRIDAY OPTION	0	55	-100.0%	0	0.0%	0	67	-100.0%
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	68	-100.0%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	-	0	0.0%	24	0	-
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	101	173	-41.6%	172	-41.3%	3,347	4,533	-26.2%



## CME Exchange Volume Report - Monthly

	VOLUME OCT 2022	VOLUME OCT 2021	% CHG	VOLUME SEP 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	326	645	-49.5%	208	56.7%	3,418	7,860	-56.5%
BUTTER CS	4,117	3,694	11.5%	2,930	40.5%	42,719	41,115	3.9%
CASH-SETTLED CHEESE	9,136	11,058	-17.4%	8,346	9.5%	98,769	117,524	-16.0%
CAT ASIA WEATHER	0	0	0.0%	0	0.0%	0	1,200	-100.0%
CATTLE	1,051,565	888,846	18.3%	1,329,587	-20.9%	12,041,757	11,713,722	2.8%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0.0%	0	500	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	7,400	6,275	17.9%
CDD WEATHER	0	0	0.0%	0	0.0%	23,650	9,325	153.6%
CLASS IV MILK	1,443	4,234	-65.9%	2,147	-32.8%	25,962	13,972	85.8%
DRY WHEY	497	1,335	-62.8%	1,209	-58.9%	10,064	19,850	-49.3%
FEEDER CATTLE	307,268	253,647	21.1%	339,361	-9.5%	2,826,306	2,595,814	8.9%
GOLDMAN SACHS	3,178	3,965	-19.8%	4,321	-26.5%	39,413	88,021	-55.2%
GSCI EXCESS RETURN FUT	899	1,221	-26.4%	102,342	-99.1%	405,506	373,248	8.6%
HDD EURO SEASONAL STRIP	1,000	0	0.0%	250	300.0%	3,375	0	0.0%
HDD SEASONAL STRIP	150	150	0.0%	2,750	-94.5%	3,900	500	680.0%
HDD WEATHER	7,350	8,000	-8.1%	675	988.9%	17,025	20,650	-17.6%
HDD WEATHER EUROPEAN	3,950	2,250	75.6%	0	0.0%	7,825	6,850	14.2%
HOGS	898,146	748,668	20.0%	1,051,678	-14.6%	9,657,624	9,690,080	-0.3%
HOUSING INDEX	15	10	50.0%	7	114.3%	156	132	18.2%
LUMBER	12,521	7,935	57.8%	10,353	20.9%	90,216	98,908	-8.8%
MALAYSIAN PALM SWAP	0	3,840	-100.0%	0	0.0%	0	88,056	-100.0%
MILK	21,684	30,414	-28.7%	25,869	-16.2%	286,919	245,450	16.9%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	5,963	6,238	-4.4%	3,444	73.1%	57,524	55,682	3.3%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	1,000	-100.0%
PORK CUTOUT	1,607	966	66.4%	1,206	33.3%	21,372	24,161	-11.5%
S&P GSCI ENHANCED ER SWAP	0	0	0.0%	0	0.0%	0	6,006	-100.0%
USD CRUDE PALM OIL	16,009	23,014	-30.4%	21,758	-26.4%	219,564	76,208	188.1%

## CME Exchange Volume Report - Monthly

	VOLUME OCT 2022	VOLUME OCT 2021	% CHG	VOLUME SEP 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	6	42	-85.7%	20	-70.0%	2,515	3,129	-19.6%
BUTTER CS	1,963	2,339	-16.1%	1,250	57.0%	15,965	20,053	-20.4%
CASH-SETTLED CHEESE	6,333	4,538	39.6%	3,829	65.4%	71,544	64,193	11.5%
CATTLE	192,076	166,786	15.2%	232,158	-17.3%	2,144,720	1,893,460	13.3%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	20,500	8,450	142.6%
CDD WEATHER	0	0	0.0%	0	0.0%	1,100	6,250	-82.4%
CLASS IV MILK	6,561	7,972	-17.7%	12,478	-47.4%	74,617	39,459	89.1%
DRY WHEY	5	12	-58.3%	0	0.0%	3,234	1,758	84.0%
FEEDER CATTLE	38,506	22,837	68.6%	37,296	3.2%	362,324	216,053	67.7%
HDD EURO SEASONAL STRIP	2,000	500	300.0%	500	300.0%	6,750	2,000	237.5%
HDD SEASONAL STRIP	1,500	2,500	-40.0%	1,500	0.0%	4,000	28,920	-86.2%
HDD WEATHER	500	1,000	-50.0%	0	0.0%	12,800	7,250	76.6%
HDD WEATHER EUROPEAN	1,000	4,000	-75.0%	0	0.0%	2,000	22,250	-91.0%
HOGS	227,260	164,408	38.2%	242,841	-6.4%	2,314,077	2,054,914	12.6%
HOUSING INDEX	0	0	0.0%	0	-	0	0	0.0%
LUMBER	380	379	0.3%	203	87.2%	4,110	7,109	-42.2%
LV CATL CSO	0	0	0.0%	0	-	0	0	0.0%
MILK	23,543	31,369	-24.9%	29,364	-19.8%	238,739	261,278	-8.6%
MLK MID OPTIONS	0	1	-100.0%	0	0.0%	45	16	181.3%
NFD MILK	6,434	2,975	116.3%	2,921	120.3%	44,685	40,633	10.0%
PORK CUTOUT	0	1	-100.0%	0	0.0%	35	750	-95.3%



## CME Exchange Volume Report - Monthly

	VOLUME OCT 2022	VOLUME OCT 2021	% CHG	VOLUME SEP 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	59,418,053	72,601,127	-18.2%	82,336,702	-27.8%	721,592,286	534,552,536	35.0%
Equity Index Futures	139,864,402	86,664,976	61.4%	158,240,552	-11.6%	1,290,960,255	909,915,352	41.9%
FX Futures	20,633,015	14,275,601	44.5%	29,607,277	-30.3%	197,298,546	157,468,518	25.3%
Foreign Exchange Futures	0	0	-	0	0.0%	24	0	-
Ag Products Futures	2,346,824	2,000,130	17.3%	2,908,441	-19.3%	25,890,464	25,302,109	2.3%
<b>TOTAL FUTURES</b>	<b>222,262,294</b>	<b>175,541,834</b>	<b>26.6%</b>	<b>273,092,972</b>	<b>-18.6%</b>	<b>2,235,741,575</b>	<b>1,627,238,515</b>	<b>37.4%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	30,822,376	19,129,233	61.1%	30,915,767	-0.3%	253,963,395	147,159,416	72.6%
Interest Rate Options	31,321,036	30,599,829	2.4%	31,244,536	0.2%	262,937,418	215,970,387	21.7%
FX Options	919,736	860,042	6.9%	1,109,704	-17.1%	9,047,615	7,725,115	17.1%
Ag Products Options	508,067	411,659	23.4%	564,360	-10.0%	5,323,760	4,677,925	13.8%
Foreign Exchange Options	101	173	-41.6%	172	-41.3%	3,347	4,533	-26.2%
<b>TOTAL OPTIONS</b>	<b>63,571,316</b>	<b>51,000,936</b>	<b>24.6%</b>	<b>63,834,539</b>	<b>-0.4%</b>	<b>531,275,535</b>	<b>375,537,376</b>	<b>41.5%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	90,739,089	103,200,956	-12.1%	113,581,238	-20.1%	984,529,704	750,522,923	31.2%
Equity Index	170,686,778	105,794,209	61.3%	189,156,319	-9.8%	1,544,923,650	1,057,074,768	46.2%
FX	21,552,751	15,135,643	42.4%	30,716,981	-29.8%	206,346,161	165,193,633	24.9%
Foreign Exchange	101	173	-41.6%	172	-41.3%	3,371	4,533	-25.6%
Ag Products	2,854,891	2,411,789	18.4%	3,472,801	-17.8%	31,214,224	29,980,034	4.1%
<b>GRAND TOTAL</b>	<b>285,833,610</b>	<b>226,542,770</b>	<b>26.2%</b>	<b>336,927,511</b>	<b>-15.2%</b>	<b>2,767,017,110</b>	<b>2,002,775,891</b>	<b>38.2%</b>