

CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Interest Rate Futures												
1-MONTH EURODOLLAR	0	0	0.0%	48	2	2,300.0%	0	0	0.0%	337	2	16,750.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	25,525	158,740	-83.9%	0	0	0.0%	539,248	300,427	79.5%
EURODOLLARS	632,652	741,053	-14.6%	17,085,381	65,462,848	-73.9%	7,464,581	4,550,444	64.0%	356,446,490	493,750,734	-27.8%
SOFR	231,401	0	0.0%	40,807,609	4,944,746	725.3%	1,025,635	0	0.0%	346,697,506	26,649,399	1,201.0%
SONIA	0	0	0.0%	0	19,085	-100.0%	0	0	0.0%	1,293	798,109	-99.8%
TIIE	0	0	0.0%	35	40	-12.5%	0	0	0.0%	916	779	17.6%
Interest Rate Options												
EURODOLLARS	4,159,347	5,175,362	-19.6%	6,796,048	2,707,118	151.0%	75,391,175	27,697,588	172.2%	39,586,899	14,579,229	171.5%
EURO MIDCURVE	723,808	12,286,672	-94.1%	377,028	9,362,421	-96.0%	40,973,885	106,317,330	-61.5%	21,262,186	55,653,021	-61.8%
SOFR	9,044,344	0	0.0%	3,415,804	0	0.0%	35,524,629	7,310	485,873.0%	13,173,744	1,342	981,550.1%
SOFR MIDCURVE	2,226,563	0	0.0%	1,023,941	25	4,095,664.0%	10,516,524	0	0.0%	4,045,826	85	4,759,695.3%
Equity Index Futures												
BITCOIN	0	0	0.0%	266,286	255,650	4.2%	0	0	0.0%	2,129,293	2,136,069	-0.3%
E-mini FTSE China 50	0	0	0.0%	116	144	-19.4%	0	0	0.0%	7,122	665	971.0%
E-MINI MIDCAP	0	0	0.0%	291,192	248,318	17.3%	0	0	0.0%	3,325,621	2,564,556	29.7%
E-MINI NASDAQ 100	0	0	0.0%	15,974,485	11,154,495	43.2%	0	0	0.0%	148,974,499	113,640,738	31.1%
E-MINI RUSSELL 1000	0	0	0.0%	1,613	4,014	-59.8%	0	0	0.0%	30,269	44,644	-32.2%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,729	2,202	23.9%	0	0	0.0%	46,624	31,389	48.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,337	2,851	-18.0%	0	0	0.0%	78,757	77,847	1.2%
E-MINI RUSSELL 2000	0	0	0.0%	5,141,662	3,522,740	46.0%	0	0	0.0%	50,599,453	40,670,665	24.4%
E-MINI S&P500	0	0	0.0%	47,784,324	28,690,411	66.6%	0	0	0.0%	421,493,030	327,483,150	28.7%
E-MINI S&P500 ESG	0	0	0.0%	26,163	12,307	112.6%	0	0	0.0%	260,397	132,649	96.3%
ETHER	0	-	-	0	-	-	0	-	-	7	-	-
ETHER FUTURES	0	0	0.0%	131,553	114,603	14.8%	0	0	0.0%	1,321,417	674,938	95.8%
FT-SE 100	0	0	0.0%	145	57	154.4%	0	0	0.0%	1,524	258	490.7%
FTSE Emerging	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	0	0	0.0%	52	379	-86.3%	0	0	0.0%	581	2,233	-74.0%
MICRO BITCOIN	0	0	0.0%	218,951	570,675	-61.6%	0	0	0.0%	3,220,940	2,728,074	18.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	31,704,461	19,586,443	61.9%	0	0	0.0%	315,858,218	193,176,393	63.5%

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Equity Index Futures												
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,931,274	2,939,925	-0.3%	0	0	0.0%	28,854,544	31,337,891	-7.9%
MICRO E-MINI S&P500	0	0	0.0%	33,300,874	17,825,532	86.8%	0	0	0.0%	290,713,102	178,549,646	62.8%
MICRO ETHER	0	-	-	329,615	-	-	0	-	-	4,251,026	-	-
NASDAQ-100 VOLATILITY	0	0	0.0%	70	2	3,400.0%	0	0	0.0%	18,519	97	18,991.8%
NASDAQ BIOTECH SECTOR	0	0	0.0%	202	88	129.5%	0	0	0.0%	2,160	5,571	-61.2%
Nearby BTIC+	0	0	0.0%	750	100	650.0%	0	0	0.0%	5,200	456	1,040.4%
NIKKEI 225 (\$) STOCK	0	0	0.0%	100,356	148,247	-32.3%	0	0	0.0%	1,173,271	1,330,778	-11.8%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	759,153	810,581	-6.3%	0	0	0.0%	7,913,855	6,721,332	17.7%
PHLX SEMICONDUCTOR SECT	0	-	-	829	-	-	0	-	-	1,463	-	-
S&P 500	0	0	0.0%	4,003	202	1,881.7%	0	0	0.0%	5,846	12,787	-54.3%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	30,538	12,754	139.4%	0	0	0.0%	287,156	136,308	110.7%
S&P 500/GI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	2,889	100	2,789.0%	0	0	0.0%	18,228	864	2,009.7%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P BIOTECHNOLOGY SECTO	0	-	-	934	-	-	0	-	-	8,141	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	3,037	1,272	138.8%	0	0	0.0%	34,593	27,650	25.1%
S&P CONSUMER DISCRETION	0	0	0.0%	6,711	8,681	-22.7%	0	0	0.0%	71,958	96,104	-25.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	13,696	10,863	26.1%	0	0	0.0%	173,599	173,415	0.1%
S&P ENERGY SECTOR	0	0	0.0%	30,772	20,156	52.7%	0	0	0.0%	456,266	277,814	64.2%
S&P FINANCIAL SECTOR	0	0	0.0%	15,009	15,195	-1.2%	0	0	0.0%	242,746	307,930	-21.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	9,387	13,815	-32.1%	0	0	0.0%	182,317	154,033	18.4%
S&P INDUSTRIAL SECTOR	0	0	0.0%	10,630	5,797	83.4%	0	0	0.0%	133,432	103,389	29.1%
S&P MATERIALS SECTOR	0	0	0.0%	7,209	5,275	36.7%	0	0	0.0%	85,266	86,075	-0.9%
S&P OIL & GAS EXPLORATION	0	-	-	494	-	-	0	-	-	4,319	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	3,272	2,823	15.9%	0	0	0.0%	42,553	43,325	-1.8%
S&P REGIONAL BANKS SECTO	0	-	-	472	-	-	0	-	-	2,039	-	-
S&P RETAIL SECTOR	0	-	-	180	-	-	0	-	-	2,839	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	25,028	5,641	343.7%	0	0	0.0%	213,864	118,051	81.2%
S&P UTILITIES SECTOR	0	0	0.0%	14,092	16,098	-12.5%	0	0	0.0%	177,997	162,590	9.5%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
WATER INDEX FUTURES	0	0	0.0%	0	2	-100.0%	0	0	0.0%	592	946	-37.4%
YEN DENOMINATED TOPIX	0	0	0.0%	39	5,672	-99.3%	0	0	0.0%	19,805	23,294	-15.0%

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Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,760	1,130	55.8%	0	0	0.0%	14,669	11,315	29.6%
E-MINI NASDAQ 100	0	0	0.0%	1,059,100	669,301	58.2%	0	0	0.0%	10,071,589	5,648,949	78.3%
E-mini Russell 2000	0	0	0.0%	100,109	100,424	-0.3%	0	0	0.0%	1,042,329	913,929	14.0%
E-MINI RUSSELL 2000	0	0	0.0%	25,800	21,025	22.7%	0	0	0.0%	314,938	277,523	13.5%
E-mini S&P 500	0	0	0.0%	13,500,954	9,830,745	37.3%	0	0	0.0%	111,802,246	71,542,094	56.3%
E-MINI S&P500	0	0	0.0%	13,908,599	6,706,737	107.4%	0	0	0.0%	111,334,549	61,379,608	81.4%
EOM S&P 500	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,156	-100.0%
ETHER OPTIONS	0	-	-	296	-	-	0	-	-	394	-	-
MICRO BITCOIN	0	-	-	7,057	-	-	0	-	-	71,017	-	-
Micro E-mini Nasdaq-100	0	0	0.0%	40,407	38,834	4.1%	0	0	0.0%	429,730	277,164	55.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	6,684	3,959	68.8%	0	0	0.0%	116,132	56,428	105.8%
Micro E-mini S&P 500	0	0	0.0%	221,386	230,503	-4.0%	0	0	0.0%	2,335,297	1,557,082	50.0%
MICRO ETHER	0	-	-	39,574	-	-	0	-	-	242,189	-	-
S&P 500	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	200	-100.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	53	14	278.6%	0	0	0.0%	519	172	201.7%
AD/JY CROSS RATES	0	0	0.0%	3,643	2,542	43.3%	0	0	0.0%	45,501	21,610	110.6%
AD/NE CROSS RATES	0	0	0.0%	9,238	536	1,623.5%	0	0	0.0%	38,932	2,994	1,200.3%
AUSTRALIAN DOLLAR	0	0	0.0%	2,169,565	1,838,634	18.0%	0	0	0.0%	21,182,356	20,585,707	2.9%
BP/JY CROSS RATES	0	0	0.0%	5,154	2,305	123.6%	0	0	0.0%	45,838	24,840	84.5%
BP/SF CROSS RATES	0	0	0.0%	3,161	557	467.5%	0	0	0.0%	21,883	7,509	191.4%
BRAZIL REAL	0	0	0.0%	314,064	201,419	55.9%	0	0	0.0%	2,807,923	2,312,816	21.4%
BRITISH POUND	0	0	0.0%	3,078,112	1,853,708	66.1%	0	0	0.0%	25,982,214	19,642,212	32.3%
CANADIAN DOLLAR	0	0	0.0%	2,038,426	1,488,567	36.9%	0	0	0.0%	19,026,305	16,589,681	14.7%
CD/JY CROSS RATES	0	0	0.0%	71	73	-2.7%	0	0	0.0%	358	1,533	-76.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	45,898	12,456	268.5%	0	0	0.0%	299,033	164,799	81.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	19	2	850.0%
CZECK KORUNA (US)	0	0	0.0%	2	0	0.0%	0	0	0.0%	28	8	250.0%
EC/AD CROSS RATES	0	0	0.0%	3,180	2,984	6.6%	0	0	0.0%	57,201	47,078	21.5%
EC/CD CROSS RATES	0	0	0.0%	4,679	4,320	8.3%	0	0	0.0%	80,593	70,397	14.5%
EC/NOK CROSS RATES	0	0	0.0%	421	559	-24.7%	0	0	0.0%	18,709	6,565	185.0%

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FX Futures												
EC/SEK CROSS RATES	0	0	0.0%	871	311	180.1%	0	0	0.0%	23,232	6,176	276.2%
EFX/BP CROSS RATES	0	0	0.0%	80,325	37,155	116.2%	0	0	0.0%	965,420	566,824	70.3%
EFX/JY CROSS RATES	0	0	0.0%	30,495	31,481	-3.1%	0	0	0.0%	551,698	424,287	30.0%
EFX/SF CROSS RATES	0	0	0.0%	25,872	16,207	59.6%	0	0	0.0%	400,583	233,789	71.3%
E-MICRO USD/CAD	0	0	0.0%	20	1,358	-98.5%	0	0	0.0%	1,838	1,704	7.9%
E-MICRO USD/CHF	0	0	0.0%	32	54	-40.7%	0	0	0.0%	739	83	790.4%
E-MICRO USD/JPY	0	0	0.0%	837	2,799	-70.1%	0	0	0.0%	151,161	2,921	5,075.0%
E-MINI EURO FX	0	0	0.0%	161,440	82,740	95.1%	0	0	0.0%	1,521,352	1,195,111	27.3%
E-MINI JAPANESE YEN	0	0	0.0%	16,060	10,608	51.4%	0	0	0.0%	121,696	92,776	31.2%
EURO FX	0	0	0.0%	4,623,869	3,404,101	35.8%	0	0	0.0%	50,147,491	39,656,949	26.5%
HUNGARIAN FORINT (EC)	0	0	0.0%	1	0	0.0%	0	0	0.0%	3	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	3	-100.0%	0	0	0.0%	42	171	-75.4%
INDIAN RUPEE	0	0	0.0%	39,230	16,274	141.1%	0	0	0.0%	266,681	139,266	91.5%
JAPANESE YEN	0	0	0.0%	3,648,629	2,329,770	56.6%	0	0	0.0%	32,759,084	22,210,853	47.5%
KOREAN WON	0	0	0.0%	492	473	4.0%	0	0	0.0%	3,375	11,822	-71.5%
MEXICAN PESO	0	0	0.0%	1,373,837	882,594	55.7%	0	0	0.0%	12,228,759	11,018,406	11.0%
MICRO AUD/USD	0	0	0.0%	289,867	196,181	47.8%	0	0	0.0%	2,644,276	2,066,390	28.0%
MICRO CAD/USD	0	0	0.0%	85,931	55,291	55.4%	0	0	0.0%	613,635	563,134	9.0%
MICRO CHF/USD	0	0	0.0%	16,673	7,180	132.2%	0	0	0.0%	174,102	86,798	100.6%
MICRO EUR/USD	0	0	0.0%	923,965	421,912	119.0%	0	0	0.0%	7,922,863	4,803,593	64.9%
MICRO GBP/USD	0	0	0.0%	234,107	104,204	124.7%	0	0	0.0%	1,252,857	770,095	62.7%
MICRO INR/USD	0	0	0.0%	621	1,188	-47.7%	0	0	0.0%	7,043	17,534	-59.8%
MICRO JPY/USD	0	0	0.0%	0	46,053	-100.0%	0	0	0.0%	101,719	346,054	-70.6%
MICRO USD/CNH	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	36	-94.4%
NEW ZEALND DOLLAR	0	0	0.0%	737,969	529,459	39.4%	0	0	0.0%	6,505,484	5,952,116	9.3%
NKR/USD CROSS RATE	0	0	0.0%	1,546	2,441	-36.7%	0	0	0.0%	28,523	45,669	-37.5%
POLISH ZLOTY (EC)	0	0	0.0%	2	66	-97.0%	0	0	0.0%	1,213	1,376	-11.8%
POLISH ZLOTY (US)	0	0	0.0%	1,300	699	86.0%	0	0	0.0%	13,523	8,819	53.3%
RMB USD	0	0	0.0%	0	0	0.0%	0	0	0.0%	29	3	866.7%
RUSSIAN RUBLE	0	0	0.0%	0	117,753	-100.0%	0	0	0.0%	576,766	1,078,345	-46.5%
S.AFRICAN RAND	0	0	0.0%	78,941	48,508	62.7%	0	0	0.0%	906,652	574,066	57.9%
SF/JY CROSS RATES	0	0	0.0%	447	74	504.1%	0	0	0.0%	5,596	329	1,600.9%
SHEKEL	0	0	0.0%	1	1	0.0%	0	0	0.0%	147	19	673.7%
SKR/USD CROSS RATES	0	0	0.0%	4,185	4,168	0.4%	0	0	0.0%	62,996	49,392	27.5%
SWISS FRANC	0	0	0.0%	456,997	466,075	-1.9%	0	0	0.0%	5,461,918	4,913,010	11.2%

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FX Futures												
TURKISH LIRA	0	0	0.0%	24	0	0.0%	0	0	0.0%	26	8	225.0%
USDZAR	0	0	0.0%	0	1	-100.0%	0	0	0.0%	31	72	-56.9%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	5	1,142	-99.6%	0	0	0.0%	1,759	4,254	-58.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	18	495	-96.4%	0	0	0.0%	3,261	3,726	-12.5%
AUD/USD MONDAY OPTION W	0	0	0.0%	134	797	-83.2%	0	0	0.0%	2,420	3,984	-39.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	91	516	-82.4%	0	0	0.0%	3,234	4,512	-28.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	145	0	0.0%	0	0	0.0%	1,363	1,370	-0.5%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	52,855	56,817	-7.0%	0	0	0.0%	682,282	493,233	38.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	119	-100.0%	0	0	0.0%	4,572	7,231	-36.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,122	1,695	25.2%	0	0	0.0%	14,998	16,675	-10.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,072	2,499	-57.1%	0	0	0.0%	19,410	26,692	-27.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,541	2,416	5.2%	0	0	0.0%	16,112	29,297	-45.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	3,366	-100.0%	0	0	0.0%	5,196	8,641	-39.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	432	3,062	-85.9%	0	0	0.0%	6,061	11,795	-48.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	477	717	-33.5%	0	0	0.0%	4,671	7,846	-40.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	85	127	-33.1%	0	0	0.0%	2,157	3,068	-29.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	127	576	-78.0%	0	0	0.0%	4,735	9,069	-47.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	578	1,985	-70.9%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	22	501	-95.6%	0	0	0.0%	3,043	3,291	-7.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	685	1,248	-45.1%	0	0	0.0%	2,518	8,895	-71.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	216	723	-70.1%	0	0	0.0%	10,712	15,720	-31.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	424	400	6.0%	0	0	0.0%	10,046	10,304	-2.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	11	802	-98.6%	0	0	0.0%	7,017	22,507	-68.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,240	0	0.0%	0	0	0.0%	2,775	3,147	-11.8%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	61,022	69,526	-12.2%	0	0	0.0%	600,246	689,268	-12.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	710	-100.0%	0	0	0.0%	12,919	27,536	-53.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,220	2,834	48.9%	0	0	0.0%	33,482	45,764	-26.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,991	7,211	-58.5%	0	0	0.0%	52,797	76,730	-31.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,664	5,653	-35.2%	0	0	0.0%	45,783	93,050	-50.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	10,929	-100.0%	0	0	0.0%	12,620	28,019	-55.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	992	2,864	-65.4%	0	0	0.0%	10,164	21,192	-52.0%

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	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
FX Options												
CAD/USD WKLY WED OPTIONS	0	0	0.0%	804	1,273	-36.8%	0	0	0.0%	12,025	18,371	-34.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,062	1,500	-29.2%	0	0	0.0%	14,567	20,167	-27.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,681	785	114.1%	0	0	0.0%	15,814	26,341	-40.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,474	9,035	-50.5%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,267	10,782	-69.7%	0	0	0.0%	42,809	55,476	-22.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	989	411	140.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	30	52	-42.3%	0	0	0.0%	901	2,292	-60.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	46	179	-74.3%	0	0	0.0%	1,047	1,882	-44.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	30	45	-33.3%	0	0	0.0%	1,237	2,431	-49.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	44	-100.0%	0	0	0.0%	117	282	-58.5%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	204	6	3,300.0%
EUR/GBP WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURODOLLARS	0	-	-	1,820	-	-	0	-	-	3,510	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	2,851	3,300	-13.6%	0	0	0.0%	19,254	19,382	-0.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,552	3,853	-33.8%	0	0	0.0%	24,957	16,974	47.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	763	2,530	-69.8%	0	0	0.0%	10,423	15,588	-33.1%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,471	1,374	7.1%	0	0	0.0%	26,308	25,964	1.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	766	0	0.0%	0	0	0.0%	5,022	5,945	-15.5%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	297,060	188,804	57.3%	0	0	0.0%	2,481,538	1,945,377	27.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	3	358	-99.2%	0	0	0.0%	50,404	49,464	1.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,239	8,474	79.8%	0	0	0.0%	135,167	125,874	7.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,917	20,522	-32.2%	0	0	0.0%	158,497	199,082	-20.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,705	16,177	-15.3%	0	0	0.0%	173,609	182,976	-5.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	24,176	-100.0%	0	0	0.0%	58,029	85,773	-32.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,153	8,043	13.8%	0	0	0.0%	66,409	65,390	1.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,267	6,187	17.5%	0	0	0.0%	55,341	68,528	-19.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,698	4,854	17.4%	0	0	0.0%	53,358	65,238	-18.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,678	8,530	1.7%	0	0	0.0%	64,648	88,524	-27.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	20,237	25,392	-20.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	381	306	24.5%	0	0	0.0%	5,289	4,400	20.2%
GBP/USD MONDAY OPTION W	0	0	0.0%	509	677	-24.8%	0	0	0.0%	10,712	5,948	80.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	273	1,658	-83.5%	0	0	0.0%	3,183	4,031	-21.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	829	1,236	-32.9%	0	0	0.0%	5,709	5,555	2.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,841	0	0.0%	0	0	0.0%	3,321	654	407.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	87,716	83,729	4.8%	0	0	0.0%	770,392	732,637	5.2%

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FX Options												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	80	-100.0%	0	0	0.0%	7,507	12,239	-38.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,004	2,443	63.9%	0	0	0.0%	22,403	24,412	-8.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,166	1,801	75.8%	0	0	0.0%	27,075	28,279	-4.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,078	4,989	-58.3%	0	0	0.0%	25,751	35,562	-27.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	2,012	-100.0%	0	0	0.0%	8,769	10,415	-15.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,398	2,054	-31.9%	0	0	0.0%	12,628	11,701	7.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	539	1,205	-55.3%	0	0	0.0%	4,832	6,783	-28.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,069	1,000	6.9%	0	0	0.0%	9,879	6,771	45.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,586	2,344	-32.3%	0	0	0.0%	10,068	11,678	-13.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	670	2,591	-74.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	153	561	-72.7%	0	0	0.0%	6,694	3,852	73.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	438	920	-52.4%	0	0	0.0%	7,865	6,011	30.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	156	210	-25.7%	0	0	0.0%	2,976	3,892	-23.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,772	673	311.9%	0	0	0.0%	12,155	4,029	201.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	720	0	0.0%	0	0	0.0%	967	2,697	-64.1%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	131,230	103,153	27.2%	0	0	0.0%	1,292,668	812,132	59.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	9	-100.0%	0	0	0.0%	31,828	28,297	12.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,268	1,771	479.8%	0	0	0.0%	79,588	51,749	53.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	14,754	12,094	22.0%	0	0	0.0%	113,892	95,914	18.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,355	11,059	11.7%	0	0	0.0%	108,834	91,354	19.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	10,959	-100.0%	0	0	0.0%	37,049	36,327	2.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	9,752	5,655	72.4%	0	0	0.0%	40,595	28,311	43.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,857	5,141	13.9%	0	0	0.0%	36,304	36,104	0.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,569	4,877	-26.8%	0	0	0.0%	32,018	31,747	0.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,853	6,027	-19.5%	0	0	0.0%	44,147	31,885	38.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	11,330	7,879	43.8%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	353	2,790	-87.3%	0	0	0.0%	6,865	14,532	-52.8%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	17	604	-97.2%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	552	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	631	-100.0%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	10	553	-98.2%	0	0	0.0%	680	1,911	-64.4%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	55	-100.0%	0	0	0.0%	0	67	-100.0%

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FX Options												
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	68	-100.0%
Foreign Exchange Futures												
CHILEAN PESO	0	-	-	0	-	-	0	-	-	24	-	-
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	101	173	-41.6%	0	0	0.0%	3,347	4,533	-26.2%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	326	605	-46.1%	0	0	0.0%	2,609	6,334	-58.8%
BUTTER CS	0	0	0.0%	3,800	3,641	4.4%	0	0	0.0%	40,240	38,615	4.2%
CASH-SETTLED CHEESE	0	0	0.0%	9,136	11,038	-17.2%	0	0	0.0%	93,815	114,235	-17.9%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,050,244	886,887	18.4%	0	0	0.0%	12,020,252	11,682,664	2.9%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CLASS IV MILK	0	0	0.0%	1,220	4,068	-70.0%	0	0	0.0%	22,868	13,276	72.3%
DRY WHEY	0	0	0.0%	497	1,335	-62.8%	0	0	0.0%	8,998	19,493	-53.8%
FEEDER CATTLE	0	0	0.0%	307,268	253,610	21.2%	0	0	0.0%	2,824,532	2,595,235	8.8%
GOLDMAN SACHS	0	0	0.0%	2,376	3,965	-40.1%	0	0	0.0%	28,350	84,781	-66.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	91	151	-39.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	898,019	747,655	20.1%	0	0	0.0%	9,636,972	9,678,623	-0.4%
HOUSING INDEX	0	0	0.0%	15	10	50.0%	0	0	0.0%	156	132	18.2%
LUMBER	0	0	0.0%	12,519	7,935	57.8%	0	0	0.0%	89,148	97,695	-8.7%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	21,533	29,598	-27.2%	0	0	0.0%	279,204	241,002	15.9%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	5,963	6,238	-4.4%	0	0	0.0%	56,848	53,538	6.2%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	0	0.0%	1,607	966	66.4%	0	0	0.0%	21,372	24,161	-11.5%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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Ag Products Options												
BLOCK CHEESE	0	0	0.0%	6	42	-85.7%	0	0	0.0%	2,515	2,964	-15.1%
BUTTER CS	0	0	0.0%	1,913	2,339	-18.2%	0	0	0.0%	14,006	19,099	-26.7%
CASH-SETTLED CHEESE	0	0	0.0%	6,163	4,038	52.6%	0	0	0.0%	62,724	61,765	1.6%
CATTLE	0	0	0.0%	192,076	165,880	15.8%	0	0	0.0%	2,126,464	1,880,483	13.1%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CLASS IV MILK	0	0	0.0%	6,046	7,972	-24.2%	0	0	0.0%	73,898	39,294	88.1%
DRY WHEY	0	0	0.0%	5	12	-58.3%	0	0	0.0%	2,734	1,758	55.5%
FEEDER CATTLE	0	0	0.0%	38,506	22,837	68.6%	0	0	0.0%	361,206	216,053	67.2%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	226,860	164,408	38.0%	0	0	0.0%	2,294,447	2,049,964	11.9%
HOUSING INDEX	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LUMBER	0	0	0.0%	380	379	0.3%	0	0	0.0%	4,110	7,079	-41.9%
LV CATL CSO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MILK	0	0	0.0%	23,493	30,853	-23.9%	0	0	0.0%	229,446	252,310	-9.1%
MLK MID OPTIONS	0	0	0.0%	0	1	-100.0%	0	0	0.0%	45	16	181.3%
NFD MILK	0	0	0.0%	4,667	2,735	70.6%	0	0	0.0%	35,668	34,148	4.5%
PORK CUTOUT	0	0	0.0%	0	1	-100.0%	0	0	0.0%	35	750	-95.3%
TOTAL FUTURES GROUP												
Interest Rate Futures	864,053	741,053	16.6%	57,918,598	70,585,461	-17.9%	8,490,216	4,550,444	86.6%	703,685,790	521,499,450	34.9%
Equity Index Futures	0	0	0.0%	139,147,584	86,014,110	61.8%	0	0	0.0%	1,282,444,448	903,034,619	42.0%
FX Futures	0	0	0.0%	20,510,253	14,225,856	44.2%	0	0	0.0%	195,029,967	156,315,919	24.8%
Foreign Exchange Futures	0	-	-	0	-	-	0	-	-	24	-	-
Ag Products Futures	0	0	0.0%	2,314,523	1,957,551	18.2%	0	0	0.0%	25,125,455	24,649,935	1.9%
TOTAL FUTURES	864,053	741,053	16.6%	219,890,958	172,782,978	27.3%	8,490,216	4,550,444	86.6%	2,206,285,684	1,605,499,923	37.4%

CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	28,911,726	17,602,658	64.2%	0	0	0.0%	237,775,079	141,666,448	67.8%
Interest Rate Options	16,154,062	17,462,034	-7.5%	11,612,821	12,069,564	-3.8%	162,406,213	134,022,228	21.2%	78,068,655	70,233,677	11.2%
FX Options	0	0	0.0%	826,083	761,628	8.5%	0	0	0.0%	7,872,486	6,995,167	12.5%
Ag Products Options	0	0	0.0%	500,115	401,497	24.6%	0	0	0.0%	5,207,298	4,565,683	14.1%
Foreign Exchange Options	0	0	0.0%	101	173	-41.6%	0	0	0.0%	3,347	4,533	-26.2%
TOTAL OPTIONS	16,154,062	17,462,034	-7.5%	41,850,846	30,835,520	35.7%	162,406,213	134,022,228	21.2%	328,926,865	223,465,508	47.2%
TOTAL COMBINED												
Interest Rate	17,018,115	18,203,087	-6.5%	69,531,419	82,655,025	-15.9%	170,896,429	138,572,672	23.3%	781,754,445	591,733,127	32.1%
Equity Index	0	0	0.0%	168,059,310	103,616,768	62.2%	0	0	0.0%	1,520,219,527	1,044,701,067	45.5%
FX	0	0	0.0%	21,336,336	14,987,484	42.4%	0	0	0.0%	202,902,453	163,311,086	24.2%
Foreign Exchange	0	0	0.0%	101	173	-41.6%	0	0	0.0%	3,371	4,533	-25.6%
Ag Products	0	0	0.0%	2,814,638	2,359,048	19.3%	0	0	0.0%	30,332,753	29,215,618	3.8%
GRAND TOTAL	17,018,115	18,203,087	-6.5%	261,741,804	203,618,498	28.5%	170,896,429	138,572,672	23.3%	2,535,212,549	1,828,965,431	38.6%