

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>												
13-Week U.S. T-Bill Futures	0	-	-	9,060	-	-	0	-	-	43,734	-	-
1-MONTH EURODOLLAR	0	0	0.0%	0	9	-100.0%	0	0	0.0%	6	358	-98.3%
BSBY 3-MONTH FUTURES	0	0	0.0%	278	9,433	-97.1%	0	0	0.0%	32,510	566,391	-94.3%
ESTR Basis Spread Futures	0	0	0.0%	4,326	859	403.6%	0	0	0.0%	19,345	2,539	661.9%
ESTR Futures	0	0	0.0%	251,165	11,134	2,155.8%	0	0	0.0%	1,583,894	16,779	9,339.7%
EURODOLLARS	0	261,091	-100.0%	0	9,743,986	-100.0%	258,492	8,035,126	-96.8%	27,895,109	380,938,354	-92.7%
FTIIE	0	0	0.0%	0	130	-100.0%	0	0	0.0%	1,774	1,071	65.6%
SOFR	482,048	264,760	82.1%	68,881,860	39,955,183	72.4%	7,280,545	1,621,959	348.9%	829,414,589	434,664,801	90.8%
SONIA	0	0	0.0%	5	593	-99.2%	0	0	0.0%	395	1,886	-79.1%
<b>Interest Rate Options</b>												
EURODOLLARS	0	1,503,955	-100.0%	0	6,194,816	-100.0%	1,894,920	78,925,614	-97.6%	7,456,246	53,316,802	-86.0%
EURO MIDCURVE	0	181,026	-100.0%	0	240,944	-100.0%	396,228	41,560,016	-99.0%	201,525	21,847,289	-99.1%
SOFR	21,002,107	8,941,356	134.9%	7,072,280	2,573,699	174.8%	222,146,748	54,294,658	309.2%	96,591,422	19,304,838	400.3%
SOFR MIDCURVE	4,400,199	2,975,563	47.9%	2,062,415	1,222,672	68.7%	54,180,130	16,432,476	229.7%	23,380,056	6,291,033	271.6%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
<b>Equity Index Futures</b>												
AIR	0	0	0.0%	29,746	2,052	1,349.6%	0	0	0.0%	88,721	9,268	857.3%
BITCOIN	0	0	0.0%	230,835	139,382	65.6%	0	0	0.0%	2,628,556	2,545,212	3.3%
E-mini FTSE China 50	0	0	0.0%	0	55	-100.0%	0	0	0.0%	44	7,408	-99.4%
E-MINI MIDCAP	0	0	0.0%	363,628	335,102	8.5%	0	0	0.0%	3,416,792	3,925,320	-13.0%
E-MINI NASDAQ 100	0	0	0.0%	12,666,746	13,868,815	-8.7%	0	0	0.0%	166,281,711	175,992,104	-5.5%
E-MINI RUSSELL 1000	0	0	0.0%	2,520	6,390	-60.6%	0	0	0.0%	30,779	37,301	-17.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	6,923	3,833	80.6%	0	0	0.0%	33,428	52,180	-35.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	11,445	12,382	-7.6%	0	0	0.0%	59,535	93,666	-36.4%
E-MINI RUSSELL 2000	0	0	0.0%	6,088,918	4,902,387	24.2%	0	0	0.0%	56,221,248	59,498,348	-5.5%
E-MINI S&P500	0	0	0.0%	37,781,259	41,838,942	-9.7%	0	0	0.0%	448,266,010	499,313,579	-10.2%
E-MINI S&P500 ESG	0	0	0.0%	45,098	39,786	13.4%	0	0	0.0%	248,031	315,789	-21.5%
ETHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	-100.0%
ETHER FUTURES	0	0	0.0%	125,082	76,142	64.3%	0	0	0.0%	1,273,555	1,565,472	-18.6%

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<b>Equity Index Futures</b>												
FT-SE 100	0	0	0.0%	34	0	0.0%	0	0	0.0%	875	1,528	-42.7%
FTSE Emerging	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	33	63	-47.6%	0	0	0.0%	362	688	-47.4%
MICRO BITCOIN	0	0	0.0%	282,642	116,734	142.1%	0	0	0.0%	2,574,530	3,681,347	-30.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	19,196,334	23,024,785	-16.6%	0	0	0.0%	273,085,353	364,950,140	-25.2%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,895,537	1,737,641	9.1%	0	0	0.0%	19,452,998	32,832,497	-40.8%
MICRO E-MINI S&P500	0	0	0.0%	14,204,686	26,075,194	-45.5%	0	0	0.0%	248,272,150	343,974,047	-27.8%
MICRO ETHER	0	0	0.0%	342,430	189,653	80.6%	0	0	0.0%	2,345,517	4,915,035	-52.3%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	807	-100.0%	0	0	0.0%	3,203	19,362	-83.5%
NASDAQ BIOTECH SECTOR	0	0	0.0%	20	308	-93.5%	0	0	0.0%	1,218	2,531	-51.9%
Nearby BTIC+	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,250	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	157,628	131,856	19.5%	0	0	0.0%	1,703,645	1,402,014	21.5%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	631,099	684,932	-7.9%	0	0	0.0%	7,740,721	9,187,587	-15.7%
PHLX SEMICONDUCTOR SECT	0	0	0.0%	188	130	44.6%	0	0	0.0%	2,386	1,822	31.0%
S&P 500	0	0	0.0%	599	226	165.0%	0	0	0.0%	6,563	1,475	344.9%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	32,582	34,850	-6.5%	0	0	0.0%	439,780	344,511	27.7%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	12,459	2,963	320.5%	0	0	0.0%	117,984	27,671	326.4%
S&P 600 SMALLCAP EMINI	0	-	-	203	-	-	0	-	-	785	-	-
S&P BIOTECHNOLOGY SECTO	0	0	0.0%	559	545	2.6%	0	0	0.0%	6,664	9,367	-28.9%
S&P COMMUNICATION SERVIC	0	0	0.0%	12,343	5,608	120.1%	0	0	0.0%	51,581	41,411	24.6%
S&P CONSUMER DISCRETION	0	0	0.0%	11,479	8,207	39.9%	0	0	0.0%	71,025	83,425	-14.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	38,213	22,940	66.6%	0	0	0.0%	220,079	205,033	7.3%
S&P ENERGY SECTOR	0	0	0.0%	52,886	63,186	-16.3%	0	0	0.0%	314,463	538,415	-41.6%
S&P FINANCIAL SECTOR	0	0	0.0%	44,044	39,273	12.1%	0	0	0.0%	263,949	290,719	-9.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	25,577	26,062	-1.9%	0	0	0.0%	160,070	213,753	-25.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	19,097	25,739	-25.8%	0	0	0.0%	138,298	166,506	-16.9%
S&P MATERIALS SECTOR	0	0	0.0%	14,030	13,520	3.8%	0	0	0.0%	98,452	104,348	-5.7%
S&P OIL & GAS EXPLORATION	0	0	0.0%	112	240	-53.3%	0	0	0.0%	1,989	4,875	-59.2%
S&P REAL ESTATE SECTOR	0	0	0.0%	32,096	22,780	40.9%	0	0	0.0%	95,578	66,715	43.3%
S&P REGIONAL BANKS SECTO	0	0	0.0%	1,821	334	445.2%	0	0	0.0%	10,328	2,645	290.5%
S&P RETAIL SECTOR	0	0	0.0%	65	423	-84.6%	0	0	0.0%	2,369	3,551	-33.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	23,586	25,368	-7.0%	0	0	0.0%	137,617	248,459	-44.6%
S&P UTILITIES SECTOR	0	0	0.0%	30,998	24,647	25.8%	0	0	0.0%	227,652	211,224	7.8%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
TOPIX (USD)	0	0	0.0%	105	54	94.4%	0	0	0.0%	991	84	1,079.8%

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<b>Equity Index Futures</b>												
TOPIX (YEN)	0	0	0.0%	531	282	88.3%	0	0	0.0%	3,924	20,234	-80.6%
WATER INDEX FUTURES	0	0	0.0%	2	6	-66.7%	0	0	0.0%	169	601	-71.9%
<b>Equity Index Options</b>												
BITCOIN OPTIONS	0	0	0.0%	3,869	567	582.4%	0	0	0.0%	33,909	17,630	92.3%
E-MINI NASDAQ 100	0	0	0.0%	1,387,096	789,875	75.6%	0	0	0.0%	16,641,069	11,795,188	41.1%
E-MINI RUSSELL 2000	0	0	0.0%	390,054	107,460	263.0%	0	0	0.0%	2,089,005	1,559,413	34.0%
E-MINI S&P500	0	0	0.0%	27,496,422	22,089,029	24.5%	0	0	0.0%	310,748,209	268,765,239	15.6%
EOM S&P 500	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	0	0.0%	1,940	175	1,008.6%	0	0	0.0%	19,743	1,015	1,845.1%
EVENT CONTRACT S&P 500	0	-	-	1,757	-	-	0	-	-	72,197	-	-
MICRO BITCOIN	0	0	0.0%	13,720	1,073	1,178.7%	0	0	0.0%	146,815	75,520	94.4%
MICRO E-MINI NASDAQ 100	0	0	0.0%	43,930	45,395	-3.2%	0	0	0.0%	673,375	638,817	5.4%
Micro E-mini S&P 500	0	0	0.0%	248,131	251,227	-1.2%	0	0	0.0%	3,142,695	2,843,721	10.5%
MICRO ETHER	0	0	0.0%	30,885	1,093	2,725.7%	0	0	0.0%	325,474	273,515	19.0%
S&P 500	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	0	106	-100.0%	0	0	0.0%	170	842	-79.8%
AD/JY CROSS RATES	0	0	0.0%	3,865	2,141	80.5%	0	0	0.0%	20,523	50,247	-59.2%
AD/NE CROSS RATES	0	0	0.0%	5,837	1,748	233.9%	0	0	0.0%	47,679	42,471	12.3%
AUSTRALIAN DOLLAR	0	0	0.0%	2,295,378	2,030,390	13.1%	0	0	0.0%	25,433,573	25,331,568	0.4%
BP/JY CROSS RATES	0	0	0.0%	2,730	4,388	-37.8%	0	0	0.0%	26,124	52,950	-50.7%
BP/SF CROSS RATES	0	0	0.0%	6,288	2,555	146.1%	0	0	0.0%	30,541	25,584	19.4%
BRAZIL REAL	0	0	0.0%	333,854	250,092	33.5%	0	0	0.0%	3,477,432	3,425,260	1.5%
BRITISH POUND	0	0	0.0%	2,243,996	2,336,619	-4.0%	0	0	0.0%	26,463,903	30,688,291	-13.8%
CANADIAN DOLLAR	0	0	0.0%	2,001,807	1,884,186	6.2%	0	0	0.0%	21,189,714	22,693,716	-6.6%
CD/JY CROSS RATES	0	0	0.0%	59	81	-27.2%	0	0	0.0%	665	468	42.1%
CHILEAN PESO	0	0	0.0%	0	0	0.0%	0	0	0.0%	45	24	87.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	64,128	40,239	59.4%	0	0	0.0%	463,125	384,203	20.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	19	-68.4%

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<b>FX Futures</b>												
CZECK KORUNA (US)	0	0	0.0%	2	9	-77.8%	0	0	0.0%	45	46	-2.2%
EC/AD CROSS RATES	0	0	0.0%	9,658	8,270	16.8%	0	0	0.0%	63,980	69,274	-7.6%
EC/CD CROSS RATES	0	0	0.0%	15,841	15,153	4.5%	0	0	0.0%	78,335	100,086	-21.7%
EC/NOK CROSS RATES	0	0	0.0%	1,837	1,528	20.2%	0	0	0.0%	14,085	21,242	-33.7%
EC/SEK CROSS RATES	0	0	0.0%	2,649	2,620	1.1%	0	0	0.0%	30,045	27,369	9.8%
EFX/BP CROSS RATES	0	0	0.0%	121,715	136,229	-10.7%	0	0	0.0%	879,542	1,167,208	-24.6%
EFX/JY CROSS RATES	0	0	0.0%	100,662	68,392	47.2%	0	0	0.0%	636,285	646,221	-1.5%
EFX/SF CROSS RATES	0	0	0.0%	50,109	35,553	40.9%	0	0	0.0%	297,238	450,035	-34.0%
E-MICRO USD/CAD	0	0	0.0%	191	159	20.1%	0	0	0.0%	1,297	2,073	-37.4%
E-MICRO USD/CHF	0	0	0.0%	104	108	-3.7%	0	0	0.0%	1,540	874	76.2%
E-MICRO USD/JPY	0	0	0.0%	1,198	1,846	-35.1%	0	0	0.0%	36,858	154,207	-76.1%
E-MINI EURO FX	0	0	0.0%	105,691	202,467	-47.8%	0	0	0.0%	1,400,237	1,910,593	-26.7%
E-MINI JAPANESE YEN	0	0	0.0%	16,975	12,508	35.7%	0	0	0.0%	151,572	144,164	5.1%
EURO FX	0	0	0.0%	5,721,320	5,967,342	-4.1%	0	0	0.0%	57,475,178	60,775,052	-5.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	11	4	175.0%	0	0	0.0%	52	7	642.9%
HUNGARIAN FORINT (US)	0	0	0.0%	0	7	-100.0%	0	0	0.0%	86	55	56.4%
INDIAN RUPEE	0	0	0.0%	23,947	30,647	-21.9%	0	0	0.0%	296,210	330,398	-10.3%
JAPANESE YEN	0	0	0.0%	4,246,856	3,517,212	20.7%	0	0	0.0%	44,044,145	39,300,913	12.1%
KOREAN WON	0	0	0.0%	2,716	140	1,840.0%	0	0	0.0%	9,516	3,851	147.1%
MEXICAN PESO	0	0	0.0%	1,860,310	1,786,552	4.1%	0	0	0.0%	16,509,183	15,233,784	8.4%
MICRO AUD/USD	0	0	0.0%	272,038	267,914	1.5%	0	0	0.0%	3,346,872	3,184,143	5.1%
MICRO CAD/USD	0	0	0.0%	49,561	65,788	-24.7%	0	0	0.0%	623,517	759,823	-17.9%
MICRO CHF/USD	0	0	0.0%	19,639	17,420	12.7%	0	0	0.0%	187,776	207,361	-9.4%
MICRO EUR/USD	0	0	0.0%	580,016	837,913	-30.8%	0	0	0.0%	7,284,299	9,634,442	-24.4%
MICRO GBP/USD	0	0	0.0%	76,972	100,832	-23.7%	0	0	0.0%	837,375	1,480,028	-43.4%
MICRO INR/USD	0	0	0.0%	178	747	-76.2%	0	0	0.0%	4,488	8,554	-47.5%
MICRO JPY/USD	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	0	0	0.0%	710,211	647,307	9.7%	0	0	0.0%	7,983,685	7,762,672	2.8%
NKR/USD CROSS RATE	0	0	0.0%	5,407	2,715	99.2%	0	0	0.0%	38,300	32,624	17.4%
POLISH ZLOTY (EC)	0	0	0.0%	128	235	-45.5%	0	0	0.0%	680	1,454	-53.2%
POLISH ZLOTY (US)	0	0	0.0%	1,694	1,619	4.6%	0	0	0.0%	14,922	17,229	-13.4%
RMB USD	0	0	0.0%	0	1	-100.0%	0	0	0.0%	5	30	-83.3%
RUSSIAN RUBLE	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	576,766	-100.0%
S.AFRICAN RAND	0	0	0.0%	74,119	89,109	-16.8%	0	0	0.0%	959,838	1,063,510	-9.7%

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<b>FX Futures</b>												
SF/JY CROSS RATES	0	0	0.0%	504	754	-33.2%	0	0	0.0%	7,037	7,586	-7.2%
SHEKEL	0	0	0.0%	45	41	9.8%	0	0	0.0%	1,503	194	674.7%
SKR/USD CROSS RATES	0	0	0.0%	5,548	10,062	-44.9%	0	0	0.0%	55,716	78,385	-28.9%
SWISS FRANC	0	0	0.0%	685,769	458,387	49.6%	0	0	0.0%	5,674,028	6,370,993	-10.9%
TURKISH LIRA	0	0	0.0%	2	0	0.0%	0	0	0.0%	22	26	-15.4%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	215	31	593.5%
<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	0	0.0%	100	53	88.7%	0	0	0.0%	2,132	1,901	12.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	282	91	209.9%	0	0	0.0%	4,218	3,395	24.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	45	174	-74.1%	0	0	0.0%	2,133	3,011	-29.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	4	9	-55.6%	0	0	0.0%	3,263	3,589	-9.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	30	1	2,900.0%	0	0	0.0%	760	1,364	-44.3%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	53,689	34,000	57.9%	0	0	0.0%	717,200	780,648	-8.1%
AUD/USD THURSDAY WKLY O	0	0	0.0%	168	1	16,700.0%	0	0	0.0%	1,782	1	178,100.0%
AUD/USD THURSDAY WKLY O	0	-	-	112	-	-	0	-	-	996	-	-
AUD/USD THURSDAY WKLY O	0	0	0.0%	49	71	-31.0%	0	0	0.0%	1,329	71	1,771.8%
AUD/USD THURSDAY WKLY O	0	0	0.0%	6	3	100.0%	0	0	0.0%	1,623	3	54,000.0%
AUD/USD THURSDAY WKLY O	0	0	0.0%	0	14	-100.0%	0	0	0.0%	567	14	3,950.0%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	113	13	769.2%	0	0	0.0%	2,178	13	16,653.8%
AUD/USD TUESDAY WKLY OPT	0	-	-	153	-	-	0	-	-	2,110	-	-
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	214	456	-53.1%	0	0	0.0%	1,621	456	255.5%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	43	154	-72.1%	0	0	0.0%	1,353	154	778.6%
AUD/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	483	-	-
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7	114	-93.9%	0	0	0.0%	5,497	5,582	-1.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	517	1,006	-48.6%	0	0	0.0%	14,193	18,047	-21.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,020	1,019	0.1%	0	0	0.0%	16,532	21,671	-23.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,015	1,114	-8.9%	0	0	0.0%	17,193	18,104	-5.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	309	604	-48.8%	0	0	0.0%	4,353	5,800	-24.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,078	102	956.9%	0	0	0.0%	5,553	6,213	-10.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	63	280	-77.5%	0	0	0.0%	3,286	5,954	-44.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	367	629	-41.7%	0	0	0.0%	5,861	6,229	-5.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	13	132	-90.2%	0	0	0.0%	2,929	5,716	-48.8%

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>FX Options</b>												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,635	958	70.7%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	20	42	-52.4%	0	0	0.0%	365	3,318	-89.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	748	207	261.4%	0	0	0.0%	10,205	4,544	124.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,326	1,188	11.6%	0	0	0.0%	12,426	12,696	-2.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,326	201	559.7%	0	0	0.0%	10,592	11,650	-9.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	964	9	10,611.1%	0	0	0.0%	13,074	7,216	81.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	290	746	-61.1%	0	0	0.0%	724	3,521	-79.4%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	22,213	61,065	-63.6%	0	0	0.0%	529,608	760,937	-30.4%
CAD/USD THURSDAY WKLY O	0	-	-	1,577	-	-	0	-	-	7,150	-	-
CAD/USD THURSDAY WKLY O	0	-	-	240	-	-	0	-	-	3,892	-	-
CAD/USD THURSDAY WKLY O	0	0	0.0%	2,171	2	108,450.0%	0	0	0.0%	6,735	2	336,650.0%
CAD/USD THURSDAY WKLY O	0	-	-	505	-	-	0	-	-	5,459	-	-
CAD/USD THURSDAY WKLY O	0	0	0.0%	0	7	-100.0%	0	0	0.0%	3,083	7	43,942.9%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	307	13	2,261.5%	0	0	0.0%	5,223	13	40,076.9%
CAD/USD TUESDAY WKLY OPT	0	-	-	854	-	-	0	-	-	8,743	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	237	-	-	0	-	-	6,882	-	-
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	1,161	2	57,950.0%	0	0	0.0%	5,385	2	269,150.0%
CAD/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	1,240	-	-
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	852	167	410.2%	0	0	0.0%	15,862	16,384	-3.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,208	1,179	2.5%	0	0	0.0%	24,982	37,299	-33.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,931	2,700	-28.5%	0	0	0.0%	30,250	59,259	-49.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,251	2,640	23.1%	0	0	0.0%	35,429	51,269	-30.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	947	2,627	-64.0%	0	0	0.0%	12,023	15,253	-21.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,253	501	349.7%	0	0	0.0%	17,875	11,411	56.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,191	218	446.3%	0	0	0.0%	13,503	13,026	3.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	664	766	-13.3%	0	0	0.0%	12,756	15,792	-19.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,251	395	216.7%	0	0	0.0%	15,049	17,019	-11.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,874	5,512	-11.6%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	16,506	2,829	483.5%	0	0	0.0%	60,492	49,284	22.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	12	5	140.0%	0	0	0.0%	2,239	1,160	93.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,971	172	1,045.9%	0	0	0.0%	7,850	1,109	607.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,637	57	11,543.9%	0	0	0.0%	16,792	1,353	1,141.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	875	59	1,383.1%	0	0	0.0%	19,255	1,458	1,220.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4,404	8	54,950.0%	0	0	0.0%	8,538	208	4,004.8%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	100	-100.0%	0	0	0.0%	0	304	-100.0%

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>FX Options</b>												
EUR/GBP WKLY FRIDAY OPTIC	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	207	411	-49.6%	0	0	0.0%	16,706	20,698	-19.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,238	2,847	-21.4%	0	0	0.0%	21,896	30,821	-29.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,534	3,206	-52.2%	0	0	0.0%	20,238	15,591	29.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	565	872	-35.2%	0	0	0.0%	18,964	27,818	-31.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,987	720	176.0%	0	0	0.0%	5,225	5,742	-9.0%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	247,521	231,672	6.8%	0	0	0.0%	2,879,290	3,040,311	-5.3%
EUR/USD THURSDAY WKLY O	0	0	0.0%	3,675	51	7,105.9%	0	0	0.0%	15,550	51	30,390.2%
EUR/USD THURSDAY WKLY O	0	-	-	5,038	-	-	0	-	-	12,435	-	-
EUR/USD THURSDAY WKLY O	0	0	0.0%	977	36	2,613.9%	0	0	0.0%	9,651	36	26,708.3%
EUR/USD THURSDAY WKLY O	0	0	0.0%	1,218	111	997.3%	0	0	0.0%	10,732	111	9,568.5%
EUR/USD THURSDAY WKLY O	0	0	0.0%	0	42	-100.0%	0	0	0.0%	920	42	2,090.5%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	1,713	351	388.0%	0	0	0.0%	7,815	351	2,126.5%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	852	324	163.0%	0	0	0.0%	7,857	324	2,325.0%
EUR/USD TUESDAY WKLY OPT	0	-	-	92	-	-	0	-	-	7,659	-	-
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	157	59	166.1%	0	0	0.0%	6,838	59	11,489.8%
EUR/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	3,008	-	-
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	213	831	-74.4%	0	0	0.0%	39,202	64,417	-39.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,604	16,967	-55.2%	0	0	0.0%	196,675	160,928	22.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,380	25,878	-44.4%	0	0	0.0%	320,650	203,258	57.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,730	9,407	46.0%	0	0	0.0%	302,762	195,153	55.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,410	7,370	176.9%	0	0	0.0%	55,758	65,408	-14.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,986	4,290	-7.1%	0	0	0.0%	61,961	73,953	-16.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,924	4,618	6.6%	0	0	0.0%	72,910	65,070	12.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,260	4,624	57.0%	0	0	0.0%	63,277	63,945	-1.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,919	2,911	69.0%	0	0	0.0%	59,845	73,326	-18.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	21,573	23,274	-7.3%
EVENT CONTRACT EUR/USD	0	0	0.0%	4,572	6,843	-33.2%	0	0	0.0%	63,037	13,685	360.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	417	703	-40.7%	0	0	0.0%	7,335	6,680	9.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	37	754	-95.1%	0	0	0.0%	10,310	11,917	-13.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	908	997	-8.9%	0	0	0.0%	6,589	4,823	36.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	245	509	-51.9%	0	0	0.0%	9,720	6,701	45.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	457	418	9.3%	0	0	0.0%	1,450	3,739	-61.2%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	35,904	52,717	-31.9%	0	0	0.0%	693,100	885,577	-21.7%
GBP/USD THURSDAY WKLY O	0	-	-	64	-	-	0	-	-	2,707	-	-

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<b>FX Options</b>												
GBP/USD THURSDAY WKLY O	0	-	-	44	-	-	0	-	-	1,995	-	-
GBP/USD THURSDAY WKLY O	0	0	0.0%	1,600	4	39,900.0%	0	0	0.0%	4,512	4	112,700.0%
GBP/USD THURSDAY WKLY O	0	0	0.0%	38	649	-94.1%	0	0	0.0%	1,400	649	115.7%
GBP/USD THURSDAY WKLY O	0	0	0.0%	0	27	-100.0%	0	0	0.0%	443	27	1,540.7%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	204	41	397.6%	0	0	0.0%	1,897	41	4,526.8%
GBP/USD TUESDAY WKLY OPT	0	-	-	45	-	-	0	-	-	3,118	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	163	-	-	0	-	-	2,739	-	-
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	53	57	-7.0%	0	0	0.0%	2,244	57	3,836.8%
GBP/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	569	-	-
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4	633	-99.4%	0	0	0.0%	7,925	9,755	-18.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	903	1,443	-37.4%	0	0	0.0%	31,856	27,317	16.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,045	3,217	-36.4%	0	0	0.0%	40,213	36,901	9.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,869	2,472	-24.4%	0	0	0.0%	30,052	30,167	-0.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,420	3,168	8.0%	0	0	0.0%	10,669	11,999	-11.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	399	1,927	-79.3%	0	0	0.0%	9,035	15,216	-40.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	756	1,054	-28.3%	0	0	0.0%	10,353	6,395	61.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,369	1,193	14.8%	0	0	0.0%	13,666	12,126	12.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	212	1,853	-88.6%	0	0	0.0%	7,624	12,724	-40.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,522	1,320	15.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	175	329	-46.8%	0	0	0.0%	9,197	7,111	29.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	4,359	161	2,607.5%	0	0	0.0%	18,669	9,589	94.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,432	175	1,289.7%	0	0	0.0%	9,767	3,260	199.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	748	57	1,212.3%	0	0	0.0%	8,790	12,501	-29.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	181	16	1,031.3%	0	0	0.0%	4,933	983	401.8%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	124,444	65,963	88.7%	0	0	0.0%	1,263,543	1,433,512	-11.9%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	407	10	3,970.0%	0	0	0.0%	3,258	10	32,480.0%
JPY/USD THURSDAY WKLY OP	0	-	-	720	-	-	0	-	-	1,706	-	-
JPY/USD THURSDAY WKLY OP	0	0	0.0%	1,387	71	1,853.5%	0	0	0.0%	1,929	71	2,616.9%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	19	32	-40.6%	0	0	0.0%	1,066	32	3,231.3%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	0	20	-100.0%	0	0	0.0%	1,608	20	7,940.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,057	4	26,325.0%	0	0	0.0%	2,679	4	66,875.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,397	2	69,750.0%	0	0	0.0%	5,624	2	281,100.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,727	6	28,683.3%	0	0	0.0%	4,847	6	80,683.3%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	689	10	6,790.0%	0	0	0.0%	4,213	10	42,030.0%
JPY/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	2,762	-	-

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<b>FX Options</b>												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	16	831	-98.1%	0	0	0.0%	16,903	38,455	-56.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3,402	2,164	57.2%	0	0	0.0%	80,817	88,438	-8.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,365	7,825	58.0%	0	0	0.0%	98,047	132,559	-26.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,837	4,933	180.5%	0	0	0.0%	104,639	117,268	-10.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,232	2,174	140.7%	0	0	0.0%	24,469	39,244	-37.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,766	5,724	-34.2%	0	0	0.0%	41,233	48,047	-14.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,331	5,113	-15.3%	0	0	0.0%	37,941	44,582	-14.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	11,571	4,065	184.6%	0	0	0.0%	45,430	39,075	16.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,072	2,044	197.1%	0	0	0.0%	30,484	48,292	-36.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	10,026	14,891	-32.7%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,902	91	1,990.1%	0	0	0.0%	8,488	7,910	7.3%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	5	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	17	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	100	-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%	3	2	50.0%	0	0	0.0%	713	686	3.9%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	2	-	-
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%
USD/CNH MONTHLY OPTIONS	0	-	-	0	-	-	0	-	-	141	-	-
USD/CNH WEEKLY FRIDAY OP	0	-	-	0	-	-	0	-	-	34	-	-
ZAR/USD MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>Ag Products Futures</b>												
BLOCK CHEESE	0	0	0.0%	374	228	64.0%	0	0	0.0%	5,250	3,026	73.5%
BUTTER CS	0	0	0.0%	3,451	3,642	-5.2%	0	0	0.0%	43,650	47,615	-8.3%
CASH-SETTLED CHEESE	0	0	0.0%	15,903	11,990	32.6%	0	0	0.0%	159,565	115,003	38.7%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	985,508	893,475	10.3%	0	0	0.0%	16,188,396	14,114,711	14.7%
CAT WEATHER EUROPEAN	-	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%	150	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%	1,571	821	91.4%	0	0	0.0%	16,943	24,818	-31.7%
DRY WHEY	0	0	0.0%	1,344	1,479	-9.1%	0	0	0.0%	13,121	11,146	17.7%
FEEDER CATTLE	0	0	0.0%	336,070	253,449	32.6%	0	0	0.0%	4,369,044	3,355,174	30.2%
GOLDMAN SACHS	0	0	0.0%	1,973	2,221	-11.2%	0	0	0.0%	21,564	32,765	-34.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	81	91	-11.0%
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%	200	0	0.0%	0	0	0.0%	250	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	50	0	0.0%	0	0	0.0%	75	0	0.0%
HOGS	0	0	0.0%	779,157	800,607	-2.7%	0	0	0.0%	12,658,342	11,381,406	11.2%
HOUSING INDEX	0	0	0.0%	6	12	-50.0%	0	0	0.0%	194	185	4.9%
LUMBER	0	0	0.0%	16,526	13,112	26.0%	0	0	0.0%	186,642	110,568	68.8%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	36,638	27,011	35.6%	0	0	0.0%	395,653	331,751	19.3%
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%	3,184	3,869	-17.7%	0	0	0.0%	57,857	65,555	-11.7%
OTC SP GSCI ER SWAP	0	-	-	0	-	-	0	-	-	0	-	-
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%	106	1,275	-91.7%	0	0	0.0%	15,008	24,136	-37.8%
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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	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>Ag Products Options</b>												
BLOCK CHEESE	0	0	0.0%	1,256	124	912.9%	0	0	0.0%	7,310	2,639	177.0%
BUTTER CS	0	0	0.0%	1,754	2,201	-20.3%	0	0	0.0%	19,707	18,392	7.1%
CASH-SETTLED CHEESE	0	0	0.0%	6,762	3,722	81.7%	0	0	0.0%	77,329	71,092	8.8%
CATTLE	0	0	0.0%	335,187	239,496	40.0%	0	0	0.0%	4,072,716	2,570,506	58.4%
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%	7,975	4,593	73.6%	0	0	0.0%	86,605	86,587	0.0%
DRY WHEY	0	0	0.0%	168	50	236.0%	0	0	0.0%	2,626	2,784	-5.7%
FEEDER CATTLE	0	0	0.0%	61,123	26,693	129.0%	0	0	0.0%	791,694	416,669	90.0%
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%	280,107	219,266	27.7%	0	0	0.0%	3,778,555	2,697,295	40.1%
LUMBER	0	0	0.0%	607	108	462.0%	0	0	0.0%	6,302	4,424	42.5%
LV CATL CSO	0	-	-	0	-	-	0	-	-	60	-	-
MILK	0	0	0.0%	21,804	17,964	21.4%	0	0	0.0%	262,289	280,173	-6.4%
MLK MID OPTIONS	0	0	0.0%	6	1	500.0%	0	0	0.0%	31	47	-34.0%
NFD MILK	0	0	0.0%	2,828	1,456	94.2%	0	0	0.0%	53,944	39,703	35.9%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-	-	0	-	-	0	-	-
PORK CUTOUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	111	45	146.7%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	482,048	525,851	-8.3%	69,146,694	49,721,327	39.1%	7,539,037	9,657,085	-21.9%	858,991,356	816,192,179	5.2%
Equity Index Futures	0	0	0.0%	94,416,218	113,504,624	-16.8%	0	0	0.0%	1,236,101,678	1,506,914,524	-18.0%
FX Futures	0	0	0.0%	21,721,565	20,840,135	4.2%	0	0	0.0%	226,099,207	234,320,667	-3.5%
Ag Products Futures	0	0	0.0%	2,182,061	2,013,191	8.4%	0	0	0.0%	34,131,785	29,617,950	15.2%
<b>TOTAL FUTURES</b>	<b>482,048</b>	<b>525,851</b>	<b>-8.3%</b>	<b>187,466,538</b>	<b>186,079,277</b>	<b>0.7%</b>	<b>7,539,037</b>	<b>9,657,085</b>	<b>-21.9%</b>	<b>2,355,324,026</b>	<b>2,587,045,320</b>	<b>-9.0%</b>

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	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	0	0	0.0%	29,617,804	23,285,894	27.2%	0	0	0.0%	333,892,491	285,970,058	16.8%
Interest Rate Options	25,402,306	13,601,900	86.8%	9,134,695	10,232,131	-10.7%	278,618,026	191,212,764	45.7%	127,629,949	100,759,962	26.7%
FX Options	0	0	0.0%	740,456	618,044	19.8%	0	0	0.0%	8,808,775	9,305,082	-5.3%
Ag Products Options	0	0	0.0%	719,577	515,674	39.5%	0	0	0.0%	9,159,279	6,190,356	48.0%
<b>TOTAL OPTIONS</b>	<b>25,402,306</b>	<b>13,601,900</b>	<b>86.8%</b>	<b>40,212,532</b>	<b>34,651,743</b>	<b>16.0%</b>	<b>278,618,026</b>	<b>191,212,764</b>	<b>45.7%</b>	<b>479,490,494</b>	<b>402,225,458</b>	<b>19.2%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	25,884,354	14,127,751	83.2%	78,281,389	59,953,458	30.6%	286,157,063	200,869,849	42.5%	986,621,305	916,952,141	7.6%
Equity Index	0	0	0.0%	124,034,022	136,790,518	-9.3%	0	0	0.0%	1,569,994,169	1,792,884,582	-12.4%
FX	0	0	0.0%	22,462,021	21,458,179	4.7%	0	0	0.0%	234,907,982	243,625,749	-3.6%
Ag Products	0	0	0.0%	2,901,638	2,528,865	14.7%	0	0	0.0%	43,291,064	35,808,306	20.9%
<b>GRAND TOTAL</b>	<b>25,884,354</b>	<b>14,127,751</b>	<b>83.2%</b>	<b>227,679,070</b>	<b>220,731,020</b>	<b>3.1%</b>	<b>286,157,063</b>	<b>200,869,849</b>	<b>42.5%</b>	<b>2,834,814,520</b>	<b>2,989,270,778</b>	<b>-5.2%</b>