



CME Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2022	Open Outcry SEP 2021	% CHG	ELEC SEP 2022	ELEC SEP 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%	8	0	0.0%	0	0	0.0%	289	0	0.0%
BSBY 3-MONTH FUTURES	0	0	0.0%	22,242	139,734	-84.1%	0	0	0.0%	513,723	141,687	262.6%
EURODOLLARS	809,604	467,695	73.1%	26,337,559	42,902,202	-38.6%	6,831,929	3,809,391	79.3%	339,361,109	428,287,886	-20.8%
SOFR	408,389	0	0.0%	53,523,997	2,840,199	1,784.5%	794,234	0	0.0%	305,889,897	21,704,653	1,309.3%
SONIA	0	0	0.0%	0	20,755	-100.0%	0	0	0.0%	1,293	779,024	-99.8%
TIIE	0	0	0.0%	124	292	-57.5%	0	0	0.0%	881	739	19.2%
Interest Rate Options												
EURODOLLARS	5,588,862	2,219,835	151.8%	4,546,835	1,423,607	219.4%	71,231,828	22,522,226	216.3%	32,790,851	11,872,111	176.2%
EURO MIDCURVE	1,497,258	9,140,071	-83.6%	899,079	4,197,461	-78.6%	40,250,077	94,030,658	-57.2%	20,885,158	46,290,600	-54.9%
SOFR	8,989,587	310	2,899,766.8%	2,644,891	0	0.0%	26,480,285	7,310	362,147.4%	9,757,940	1,342	727,019.2%
SOFR MIDCURVE	2,985,624	0	0.0%	921,569	0	0.0%	8,289,961	0	0.0%	3,021,885	60	5,036,375.0%
Equity Index Futures												
BITCOIN	0	0	0.0%	263,861	159,315	65.6%	0	0	0.0%	1,863,007	1,880,419	-0.9%
E-mini FTSE China 50	0	0	0.0%	101	174	-42.0%	0	0	0.0%	7,006	521	1,244.7%
E-MINI MIDCAP	0	0	0.0%	426,371	367,825	15.9%	0	0	0.0%	3,034,429	2,316,238	31.0%
E-MINI NASDAQ 100	0	0	0.0%	17,618,900	13,262,873	32.8%	0	0	0.0%	133,000,014	102,486,243	29.8%
E-MINI RUSSELL 1000	0	0	0.0%	5,558	9,489	-41.4%	0	0	0.0%	28,656	40,630	-29.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	8,336	8,399	-0.8%	0	0	0.0%	43,895	29,187	50.4%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	14,448	14,667	-1.5%	0	0	0.0%	76,420	74,996	1.9%
E-MINI RUSSELL 2000	0	0	0.0%	6,431,639	5,196,403	23.8%	0	0	0.0%	45,457,791	37,147,925	22.4%
E-MINI S&P500	0	0	0.0%	59,405,939	41,675,276	42.5%	0	0	0.0%	373,708,706	298,792,739	25.1%
E-MINI S&P500 ESG	0	0	0.0%	41,404	22,742	82.1%	0	0	0.0%	234,234	120,342	94.6%
ETHER	0	-	-	5	-	-	0	-	-	7	-	-
ETHER FUTURES	0	0	0.0%	161,276	130,506	23.6%	0	0	0.0%	1,189,864	560,335	112.3%
FT-SE 100	0	0	0.0%	75	10	650.0%	0	0	0.0%	1,379	201	586.1%
FTSE Emerging	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	0	0	0.0%	54	215	-74.9%	0	0	0.0%	529	1,854	-71.5%
MICRO BITCOIN	0	0	0.0%	235,507	434,043	-45.7%	0	0	0.0%	3,001,989	2,157,399	39.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	33,070,474	19,222,879	72.0%	0	0	0.0%	284,153,757	173,589,950	63.7%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,445,573	3,566,315	-31.4%	0	0	0.0%	25,923,270	28,397,966	-8.7%
MICRO E-MINI S&P500	0	0	0.0%	35,111,542	19,180,797	83.1%	0	0	0.0%	257,412,228	160,724,114	60.2%
MICRO ETHER	0	-	-	498,477	-	-	0	-	-	3,921,411	-	-
NASDAQ-100 VOLATILITY	0	0	0.0%	20	33	-39.4%	0	0	0.0%	18,449	95	19,320.0%

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Equity Index Futures												
NASDAQ BIOTECH SECTOR	0	0	0.0%	589	850	-30.7%	0	0	0.0%	1,958	5,483	-64.3%
Nearby BTIC+	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,450	356	1,150.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	137,941	215,279	-35.9%	0	0	0.0%	1,072,915	1,182,531	-9.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	865,701	932,062	-7.1%	0	0	0.0%	7,154,702	5,910,751	21.0%
PHLX SEMICONDUCTOR SECT	0	-	-	608	-	-	0	-	-	634	-	-
S&P 500	0	0	0.0%	18	66	-72.7%	0	0	0.0%	1,843	12,585	-85.4%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	22,805	9,474	140.7%	0	0	0.0%	256,618	123,554	107.7%
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%	3,552	40	8,780.0%	0	0	0.0%	15,339	764	1,907.7%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P BIOTECHNOLOGY SECTO	0	-	-	1,400	-	-	0	-	-	7,207	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	6,556	6,012	9.0%	0	0	0.0%	31,556	26,378	19.6%
S&P CONSUMER DISCRETION	0	0	0.0%	11,893	12,777	-6.9%	0	0	0.0%	65,247	87,423	-25.4%
S&P CONSUMER STAPLES SE	0	0	0.0%	36,401	34,215	6.4%	0	0	0.0%	159,903	162,552	-1.6%
S&P ENERGY SECTOR	0	0	0.0%	74,082	47,780	55.0%	0	0	0.0%	425,494	257,658	65.1%
S&P FINANCIAL SECTOR	0	0	0.0%	43,286	42,587	1.6%	0	0	0.0%	227,737	292,735	-22.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	31,136	32,063	-2.9%	0	0	0.0%	172,930	140,218	23.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	21,389	15,595	37.2%	0	0	0.0%	122,802	97,592	25.8%
S&P MATERIALS SECTOR	0	0	0.0%	16,144	13,723	17.6%	0	0	0.0%	78,057	80,800	-3.4%
S&P OIL & GAS EXPLORATION	0	-	-	691	-	-	0	-	-	3,825	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	9,006	11,069	-18.6%	0	0	0.0%	39,281	40,502	-3.0%
S&P REGIONAL BANKS SECTO	0	-	-	1,280	-	-	0	-	-	1,567	-	-
S&P RETAIL SECTOR	0	-	-	872	-	-	0	-	-	2,659	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	48,238	24,976	93.1%	0	0	0.0%	188,836	112,410	68.0%
S&P UTILITIES SECTOR	0	0	0.0%	32,952	30,969	6.4%	0	0	0.0%	163,905	146,492	11.9%
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	19	-100.0%	0	0	0.0%	592	944	-37.3%
YEN DENOMINATED TOPIX	0	0	0.0%	1,570	3,912	-59.9%	0	0	0.0%	19,766	17,622	12.2%

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Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,611	1,146	40.6%	0	0	0.0%	12,909	10,185	26.7%
E-MINI NASDAQ 100	0	0	0.0%	1,151,523	596,300	93.1%	0	0	0.0%	9,012,489	4,979,648	81.0%
E-mini Russell 2000	0	0	0.0%	78,071	103,669	-24.7%	0	0	0.0%	942,220	813,505	15.8%
E-MINI RUSSELL 2000	0	0	0.0%	31,239	28,635	9.1%	0	0	0.0%	289,138	256,498	12.7%
E-mini S&P 500	0	0	0.0%	11,657,193	8,819,473	32.2%	0	0	0.0%	98,301,292	61,711,349	59.3%
E-MINI S&P500	0	0	0.0%	15,797,524	8,928,815	76.9%	0	0	0.0%	97,425,950	54,672,871	78.2%
EOM S&P 500	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2,156	-100.0%
ETHER OPTIONS	0	-	-	98	-	-	0	-	-	98	-	-
MICRO BITCOIN	0	-	-	11,819	-	-	0	-	-	63,960	-	-
Micro E-mini Nasdaq-100	0	0	0.0%	33,989	31,342	8.4%	0	0	0.0%	389,323	238,330	63.4%
MICRO E-MINI NASDAQ 100	0	0	0.0%	11,901	9,833	21.0%	0	0	0.0%	109,448	52,469	108.6%
Micro E-mini S&P 500	0	0	0.0%	252,242	203,361	24.0%	0	0	0.0%	2,113,911	1,326,579	59.4%
MICRO ETHER	0	-	-	59,201	-	-	0	-	-	202,615	-	-
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%	114	10	1,040.0%	0	0	0.0%	466	158	194.9%
AD/JY CROSS RATES	0	0	0.0%	3,762	2,045	84.0%	0	0	0.0%	41,858	19,068	119.5%
AD/NE CROSS RATES	0	0	0.0%	14,868	455	3,167.7%	0	0	0.0%	29,694	2,458	1,108.1%
AUSTRALIAN DOLLAR	0	0	0.0%	2,765,464	2,435,332	13.6%	0	0	0.0%	19,012,791	18,747,073	1.4%
BP/JY CROSS RATES	0	0	0.0%	12,524	3,312	278.1%	0	0	0.0%	40,684	22,535	80.5%
BP/SF CROSS RATES	0	0	0.0%	4,578	1,710	167.7%	0	0	0.0%	18,722	6,952	169.3%
BRAZIL REAL	0	0	0.0%	243,094	182,967	32.9%	0	0	0.0%	2,493,859	2,111,397	18.1%
BRITISH POUND	0	0	0.0%	4,372,787	2,393,155	82.7%	0	0	0.0%	22,904,102	17,788,504	28.8%
CANADIAN DOLLAR	0	0	0.0%	2,682,494	2,044,471	31.2%	0	0	0.0%	16,987,879	15,101,114	12.5%
CD/JY CROSS RATES	0	0	0.0%	15	96	-84.4%	0	0	0.0%	287	1,460	-80.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	49,260	22,348	120.4%	0	0	0.0%	253,135	152,343	66.2%
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%	8	3	166.7%	0	0	0.0%	26	8	225.0%
EC/AD CROSS RATES	0	0	0.0%	14,356	10,441	37.5%	0	0	0.0%	54,021	44,094	22.5%
EC/CD CROSS RATES	0	0	0.0%	13,170	16,772	-21.5%	0	0	0.0%	75,914	66,077	14.9%
EC/NOK CROSS RATES	0	0	0.0%	8,867	1,875	372.9%	0	0	0.0%	18,288	6,006	204.5%
EC/SEK CROSS RATES	0	0	0.0%	3,883	1,491	160.4%	0	0	0.0%	22,361	5,865	281.3%
EFX/BP CROSS RATES	0	0	0.0%	192,559	127,919	50.5%	0	0	0.0%	885,095	529,669	67.1%
EFX/JY CROSS RATES	0	0	0.0%	100,695	115,979	-13.2%	0	0	0.0%	521,203	392,806	32.7%
EFX/SF CROSS RATES	0	0	0.0%	62,490	55,699	12.2%	0	0	0.0%	374,711	217,582	72.2%

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FX Futures												
E-MICRO USD/CAD	0	0	0.0%	83	94	-11.7%	0	0	0.0%	1,818	346	425.4%
E-MICRO USD/CHF	0	0	0.0%	63	0	0.0%	0	0	0.0%	707	29	2,337.9%
E-MICRO USD/JPY	0	0	0.0%	1,980	113	1,652.2%	0	0	0.0%	150,324	122	123,116.4%
E-MINI EURO FX	0	0	0.0%	214,527	120,064	78.7%	0	0	0.0%	1,359,912	1,112,371	22.3%
E-MINI JAPANESE YEN	0	0	0.0%	22,461	10,239	119.4%	0	0	0.0%	105,636	82,168	28.6%
EURO FX	0	0	0.0%	7,982,950	5,000,579	59.6%	0	0	0.0%	45,523,622	36,252,848	25.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	4	31	-87.1%	0	0	0.0%	42	168	-75.0%
INDIAN RUPEE	0	0	0.0%	44,018	15,112	191.3%	0	0	0.0%	227,451	122,992	84.9%
JAPANESE YEN	0	0	0.0%	5,004,873	2,818,212	77.6%	0	0	0.0%	29,110,455	19,881,083	46.4%
KOREAN WON	0	0	0.0%	260	398	-34.7%	0	0	0.0%	2,883	11,349	-74.6%
MEXICAN PESO	0	0	0.0%	1,942,344	1,480,779	31.2%	0	0	0.0%	10,854,922	10,135,812	7.1%
MICRO AUD/USD	0	0	0.0%	276,759	184,515	50.0%	0	0	0.0%	2,354,409	1,870,209	25.9%
MICRO CAD/USD	0	0	0.0%	69,404	70,778	-1.9%	0	0	0.0%	527,704	507,843	3.9%
MICRO CHF/USD	0	0	0.0%	25,467	9,751	161.2%	0	0	0.0%	157,429	79,618	97.7%
MICRO EUR/USD	0	0	0.0%	1,023,632	465,207	120.0%	0	0	0.0%	6,998,898	4,381,681	59.7%
MICRO GBP/USD	0	0	0.0%	233,213	88,199	164.4%	0	0	0.0%	1,018,750	665,891	53.0%
MICRO INR/USD	0	0	0.0%	592	1,565	-62.2%	0	0	0.0%	6,422	16,346	-60.7%
MICRO JPY/USD	0	0	0.0%	0	39,505	-100.0%	0	0	0.0%	101,719	300,001	-66.1%
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%	957,366	646,505	48.1%	0	0	0.0%	5,767,515	5,422,657	6.4%
NKR/USD CROSS RATE	0	0	0.0%	4,212	6,607	-36.2%	0	0	0.0%	26,977	43,228	-37.6%
POLISH ZLOTY (EC)	0	0	0.0%	203	342	-40.6%	0	0	0.0%	1,211	1,310	-7.6%
POLISH ZLOTY (US)	0	0	0.0%	2,252	1,536	46.6%	0	0	0.0%	12,223	8,120	50.5%
RMB USD	0	0	0.0%	10	0	0.0%	0	0	0.0%	29	3	866.7%
RUSSIAN RUBLE	0	0	0.0%	22	174,250	-100.0%	0	0	0.0%	576,766	960,592	-40.0%
S.AFRICAN RAND	0	0	0.0%	100,283	98,080	2.2%	0	0	0.0%	827,711	525,558	57.5%
SF/JY CROSS RATES	0	0	0.0%	704	40	1,660.0%	0	0	0.0%	5,149	255	1,919.2%
SHEKEL	0	0	0.0%	38	2	1,800.0%	0	0	0.0%	146	18	711.1%
SKR/USD CROSS RATES	0	0	0.0%	11,374	8,622	31.9%	0	0	0.0%	58,811	45,224	30.0%
SWISS FRANC	0	0	0.0%	781,371	626,598	24.7%	0	0	0.0%	5,004,921	4,446,935	12.5%
TURKISH LIRA	0	0	0.0%	2	0	0.0%	0	0	0.0%	2	8	-75.0%
USDZAR	0	0	0.0%	0	7	-100.0%	0	0	0.0%	31	71	-56.3%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	55	683	-91.9%	0	0	0.0%	1,754	3,112	-43.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	53	302	-82.5%	0	0	0.0%	3,243	3,231	0.4%

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FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	84	253	-66.8%	0	0	0.0%	2,286	3,187	-28.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	268	398	-32.7%	0	0	0.0%	3,143	3,996	-21.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,218	1,370	-11.1%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	80,112	55,025	45.6%	0	0	0.0%	629,427	436,416	44.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	177	2,881	-93.9%	0	0	0.0%	4,572	7,112	-35.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	973	1,865	-47.8%	0	0	0.0%	12,876	14,980	-14.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,344	4,032	-66.7%	0	0	0.0%	18,338	24,193	-24.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,074	4,153	-74.1%	0	0	0.0%	13,571	26,881	-49.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	972	418	132.5%	0	0	0.0%	5,196	5,275	-1.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	82	147	-44.2%	0	0	0.0%	5,629	8,733	-35.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	199	1,069	-81.4%	0	0	0.0%	4,194	7,129	-41.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	30	205	-85.4%	0	0	0.0%	2,072	2,941	-29.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	114	968	-88.2%	0	0	0.0%	4,608	8,493	-45.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	577	-100.0%	0	0	0.0%	578	1,985	-70.9%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	284	200	42.0%	0	0	0.0%	3,021	2,790	8.3%
CAD/USD MONDAY OPTIONS	0	0	0.0%	545	1,686	-67.7%	0	0	0.0%	1,833	7,647	-76.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	928	4,455	-79.2%	0	0	0.0%	10,496	14,997	-30.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,922	6,008	-68.0%	0	0	0.0%	9,622	9,904	-2.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	804	7,502	-89.3%	0	0	0.0%	7,006	21,705	-67.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,535	3,147	-51.2%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	52,919	101,549	-47.9%	0	0	0.0%	539,224	619,742	-13.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,002	11,817	-91.5%	0	0	0.0%	12,919	26,826	-51.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,535	5,808	-73.6%	0	0	0.0%	29,262	42,930	-31.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,764	14,049	-66.1%	0	0	0.0%	49,806	69,519	-28.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,708	26,511	-70.9%	0	0	0.0%	42,119	87,397	-51.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,751	1,512	81.9%	0	0	0.0%	12,620	17,090	-26.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,147	5,461	-79.0%	0	0	0.0%	9,172	18,328	-50.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	404	1,527	-73.5%	0	0	0.0%	11,221	17,098	-34.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,750	6,388	-72.6%	0	0	0.0%	13,505	18,667	-27.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	564	13,014	-95.7%	0	0	0.0%	14,133	25,556	-44.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	5,794	-100.0%	0	0	0.0%	4,474	9,035	-50.5%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	4,237	7,061	-40.0%	0	0	0.0%	39,542	44,694	-11.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	110	-100.0%	0	0	0.0%	989	411	140.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	8	47	-83.0%	0	0	0.0%	871	2,240	-61.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	38	160	-76.3%	0	0	0.0%	1,001	1,703	-41.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	181	56	223.2%	0	0	0.0%	1,207	2,386	-49.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	34	0	0.0%	0	0	0.0%	117	238	-50.8%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	6	-100.0%	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%

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FX Options												
EURODOLLARS	0	-	-	1,690	-	-	0	-	-	1,690	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	4,350	947	359.3%	0	0	0.0%	16,403	16,082	2.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,272	107	2,957.9%	0	0	0.0%	22,405	13,121	70.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,124	1,340	58.5%	0	0	0.0%	9,660	13,058	-26.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	4,943	5,771	-14.3%	0	0	0.0%	24,837	24,590	1.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,256	5,945	-28.4%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	381,662	159,625	139.1%	0	0	0.0%	2,184,478	1,756,573	24.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,547	18,619	-80.9%	0	0	0.0%	50,401	49,106	2.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,385	10,646	-40.0%	0	0	0.0%	119,928	117,400	2.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,315	21,147	-22.8%	0	0	0.0%	144,580	178,560	-19.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	11,452	24,589	-53.4%	0	0	0.0%	159,904	166,799	-4.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,798	3,392	336.3%	0	0	0.0%	58,029	61,597	-5.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	11,867	4,347	173.0%	0	0	0.0%	57,256	57,347	-0.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,309	3,390	115.6%	0	0	0.0%	48,074	62,341	-22.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,079	3,558	42.7%	0	0	0.0%	47,660	60,384	-21.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,733	8,230	-6.0%	0	0	0.0%	55,970	79,994	-30.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	12,756	-100.0%	0	0	0.0%	20,237	25,392	-20.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	771	967	-20.3%	0	0	0.0%	4,908	4,094	19.9%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,342	302	344.4%	0	0	0.0%	10,203	5,271	93.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	739	486	52.1%	0	0	0.0%	2,910	2,373	22.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	860	61	1,309.8%	0	0	0.0%	4,880	4,319	13.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,480	654	126.3%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	112,538	68,422	64.5%	0	0	0.0%	682,676	648,908	5.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	206	3,983	-94.8%	0	0	0.0%	7,507	12,159	-38.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	653	1,564	-58.2%	0	0	0.0%	18,399	21,969	-16.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,431	3,674	-33.8%	0	0	0.0%	23,909	26,478	-9.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,163	3,592	71.6%	0	0	0.0%	23,673	30,573	-22.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,477	491	404.5%	0	0	0.0%	8,769	8,403	4.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,605	259	519.7%	0	0	0.0%	11,230	9,647	16.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	382	308	24.0%	0	0	0.0%	4,293	5,578	-23.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,499	174	761.5%	0	0	0.0%	8,810	5,771	52.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,152	1,298	-11.2%	0	0	0.0%	8,482	9,334	-9.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	690	-100.0%	0	0	0.0%	670	2,591	-74.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	3,640	195	1,766.7%	0	0	0.0%	6,541	3,291	98.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	101	801	-87.4%	0	0	0.0%	7,427	5,091	45.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	44	201	-78.1%	0	0	0.0%	2,820	3,682	-23.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,389	1,694	-18.0%	0	0	0.0%	9,383	3,356	179.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.0%	0	0	0.0%	247	2,697	-90.8%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	106,010	85,487	24.0%	0	0	0.0%	1,161,438	708,979	63.8%

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FX Options												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	492	7,361	-93.3%	0	0	0.0%	31,828	28,288	12.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3,893	5,875	-33.7%	0	0	0.0%	69,320	49,978	38.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,934	9,161	8.4%	0	0	0.0%	99,138	83,820	18.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,112	10,011	31.0%	0	0	0.0%	96,479	80,295	20.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,027	364	2,379.9%	0	0	0.0%	37,049	25,368	46.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,226	2,647	97.4%	0	0	0.0%	30,843	22,656	36.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,494	3,921	65.6%	0	0	0.0%	30,447	30,963	-1.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,381	1,507	257.1%	0	0	0.0%	28,449	26,870	5.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	8,037	2,983	169.4%	0	0	0.0%	39,294	25,858	52.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,338	-100.0%	0	0	0.0%	11,330	7,879	43.8%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,320	3,861	-65.8%	0	0	0.0%	6,512	11,742	-44.5%
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	300	-100.0%	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%	1	29	-96.6%	0	0	0.0%	670	1,358	-50.7%
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	0	0.0%	0	0	0.0%	0	12	-100.0%
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%	172	49	251.0%	0	0	0.0%	3,246	4,360	-25.6%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	208	185	12.4%	0	0	0.0%	2,283	5,729	-60.2%
BUTTER CS	0	0	0.0%	2,369	3,224	-26.5%	0	0	0.0%	36,440	34,974	4.2%
CASH-SETTLED CHEESE	0	0	0.0%	8,345	10,231	-18.4%	0	0	0.0%	84,679	103,197	-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%	1,326,823	1,363,846	-2.7%	0	0	0.0%	10,970,008	10,795,777	1.6%
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%	1,816	1,887	-3.8%	0	0	0.0%	21,648	9,208	135.1%
DRY WHEY	0	0	0.0%	789	1,147	-31.2%	0	0	0.0%	8,501	18,158	-53.2%
FEEDER CATTLE	0	0	0.0%	338,861	342,589	-1.1%	0	0	0.0%	2,517,264	2,341,625	7.5%
GOLDMAN SACHS	0	0	0.0%	2,098	3,821	-45.1%	0	0	0.0%	25,974	80,816	-67.9%
GSCI EXCESS RETURN FUT	0	0	0.0%	39	50	-22.0%	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%	1,048,653	1,098,116	-4.5%	0	0	0.0%	8,738,953	8,930,968	-2.1%
HOUSING INDEX	0	0	0.0%	7	26	-73.1%	0	0	0.0%	141	122	15.6%
LUMBER	0	0	0.0%	10,145	6,134	65.4%	0	0	0.0%	76,629	89,760	-14.6%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	25,451	22,038	15.5%	0	0	0.0%	257,671	211,404	21.9%
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%	3,420	4,290	-20.3%	0	0	0.0%	50,885	47,300	7.6%
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%	1,206	1,407	-14.3%	0	0	0.0%	19,765	23,195	-14.8%
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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Ag Products Options												
BLOCK CHEESE	0	0	0.0%	20	540	-96.3%	0	0	0.0%	2,509	2,922	-14.1%
BUTTER CS	0	0	0.0%	1,190	1,137	4.7%	0	0	0.0%	12,093	16,760	-27.8%
CASH-SETTLED CHEESE	0	0	0.0%	3,709	1,489	149.1%	0	0	0.0%	56,561	57,727	-2.0%
CATTLE	0	0	0.0%	230,958	223,775	3.2%	0	0	0.0%	1,934,388	1,714,603	12.8%
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%	12,478	5,602	122.7%	0	0	0.0%	67,852	31,322	116.6%
DRY WHEY	0	0	0.0%	0	92	-100.0%	0	0	0.0%	2,729	1,746	56.3%
FEEDER CATTLE	0	0	0.0%	37,296	22,673	64.5%	0	0	0.0%	322,700	193,216	67.0%
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%	242,841	266,144	-8.8%	0	0	0.0%	2,067,587	1,885,556	9.7%
HOUSING INDEX	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LUMBER	0	0	0.0%	203	520	-61.0%	0	0	0.0%	3,730	6,700	-44.3%
LV CATL CSO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MILK	0	0	0.0%	28,834	23,693	21.7%	0	0	0.0%	205,953	221,457	-7.0%
MLK MID OPTIONS	0	0	0.0%	0	4	-100.0%	0	0	0.0%	45	15	200.0%
NFD MILK	0	0	0.0%	2,411	2,255	6.9%	0	0	0.0%	31,001	31,413	-1.3%
PORK CUTOUT	0	0	0.0%	0	10	-100.0%	0	0	0.0%	35	749	-95.3%
TOTAL FUTURES GROUP												
Interest Rate Futures	1,217,993	467,695	160.4%	79,883,930	45,903,182	74.0%	7,626,163	3,809,391	100.2%	645,767,192	450,913,989	43.2%
Equity Index Futures	0	0	0.0%	157,107,670	104,685,429	50.1%	0	0	0.0%	1,143,296,864	817,020,509	39.9%
FX Futures	0	0	0.0%	29,245,455	19,283,810	51.7%	0	0	0.0%	174,519,714	142,090,063	22.8%
Foreign Exchange Futures	0	-	-	0	-	-	0	-	-	24	-	-
Ag Products Futures	0	0	0.0%	2,770,230	2,858,991	-3.1%	0	0	0.0%	22,810,932	22,692,384	0.5%
TOTAL FUTURES	1,217,993	467,695	160.4%	269,007,285	172,731,412	55.7%	7,626,163	3,809,391	100.2%	1,986,394,726	1,432,716,945	38.6%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2022	Open Outcry SEP 2021	% CHG	ELEC SEP 2022	ELEC SEP 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%	29,086,411	18,722,574	55.4%	0	0	0.0%	208,863,353	124,063,790	68.4%
Interest Rate Options	19,061,331	11,360,216	67.8%	9,012,374	5,621,068	60.3%	146,252,151	116,560,194	25.5%	66,455,834	58,164,113	14.3%
FX Options	0	0	0.0%	958,507	797,168	20.2%	0	0	0.0%	7,046,403	6,233,539	13.0%
Ag Products Options	0	0	0.0%	559,940	547,934	2.2%	0	0	0.0%	4,707,183	4,164,186	13.0%
Foreign Exchange Options	0	0	0.0%	172	49	251.0%	0	0	0.0%	3,246	4,360	-25.6%
TOTAL OPTIONS	19,061,331	11,360,216	67.8%	39,617,404	25,688,793	54.2%	146,252,151	116,560,194	25.5%	287,076,019	192,629,988	49.0%
TOTAL COMBINED												
Interest Rate	20,279,324	11,827,911	71.5%	88,896,304	51,524,250	72.5%	153,878,314	120,369,585	27.8%	712,223,026	509,078,102	39.9%
Equity Index	0	0	0.0%	186,194,081	123,408,003	50.9%	0	0	0.0%	1,352,160,217	941,084,299	43.7%
FX	0	0	0.0%	30,203,962	20,080,978	50.4%	0	0	0.0%	181,566,117	148,323,602	22.4%
Foreign Exchange	0	0	0.0%	172	49	251.0%	0	0	0.0%	3,270	4,360	-25.0%
Ag Products	0	0	0.0%	3,330,170	3,406,925	-2.3%	0	0	0.0%	27,518,115	26,856,570	2.5%
GRAND TOTAL	20,279,324	11,827,911	71.5%	308,624,689	198,420,205	55.5%	153,878,314	120,369,585	27.8%	2,273,470,745	1,625,346,933	39.9%

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