

CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2022	Open Outcry JUL 2021	% CHG	ELEC JUL 2022	ELEC JUL 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%	7	0	0.0%	0	0	0.0%	281	0	0.0%
BSBY 3-MONTH FUTURES	0	-	-	23,037	-	-	0	-	-	457,232	-	-
EURODOLLARS	640,248	458,766	39.6%	24,752,682	47,236,655	-47.6%	5,694,919	2,923,737	94.8%	286,560,837	345,342,875	-17.0%
SOFR	102,323	0	0.0%	35,035,620	2,227,725	1,472.7%	247,155	0	0.0%	208,878,549	16,153,370	1,193.1%
SONIA	0	0	0.0%	57	39,416	-99.9%	0	0	0.0%	1,293	721,103	-99.8%
TIIE	0	0	0.0%	69	30	130.0%	0	0	0.0%	657	83	691.6%
Interest Rate Options												
EURODOLLARS	4,115,267	1,968,851	109.0%	2,024,872	900,231	124.9%	62,174,164	18,593,320	234.4%	25,202,847	9,555,775	163.7%
EURO MIDCURVE	1,793,909	11,625,643	-84.6%	985,794	5,097,688	-80.7%	37,148,425	74,595,841	-50.2%	19,041,921	37,626,480	-49.4%
SOFR	4,029,357	0	0.0%	1,887,479	1	188,747,800.0%	11,592,734	7,000	165,510.5%	4,702,023	1,292	363,833.7%
SOFR MIDCURVE	868,663	0	0.0%	331,395	10	3,313,850.0%	3,503,538	0	0.0%	1,248,751	60	2,081,151.7%
Equity Index Futures												
BITCOIN	0	0	0.0%	232,248	149,982	54.9%	0	0	0.0%	1,387,581	1,579,300	-12.1%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,589	1,042	52.5%	0	0	0.0%	23,275	19,219	21.1%
E-mini FTSE China 50	0	0	0.0%	177	116	52.6%	0	0	0.0%	6,841	136	4,930.1%
E-MINI MIDCAP	0	0	0.0%	236,287	214,019	10.4%	0	0	0.0%	2,358,229	1,757,740	34.2%
E-MINI NASDAQ 100	0	0	0.0%	12,248,436	10,489,739	16.8%	0	0	0.0%	101,410,831	78,802,029	28.7%
E-MINI RUSSELL 1000	0	0	0.0%	1,556	2,470	-37.0%	0	0	0.0%	22,087	28,468	-22.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,400	1,392	0.6%	0	0	0.0%	33,981	19,619	73.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,523	3,263	-22.7%	0	0	0.0%	57,763	57,890	-0.2%
E-MINI RUSSELL 2000	0	0	0.0%	3,584,594	3,709,654	-3.4%	0	0	0.0%	34,885,488	28,314,786	23.2%
E-MINI S&P500	0	0	0.0%	33,869,951	28,529,756	18.7%	0	0	0.0%	275,965,459	232,221,696	18.8%
E-MINI S&P500 ESG	0	0	0.0%	10,235	8,799	16.3%	0	0	0.0%	177,910	91,933	93.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,971	1,643	20.0%	0	0	0.0%	29,140	27,931	4.3%
ETHER FUTURES	0	0	0.0%	157,971	70,265	124.8%	0	0	0.0%	886,787	334,632	165.0%
FT-SE 100	0	0	0.0%	105	12	775.0%	0	0	0.0%	1,244	191	551.3%
FTSE Emerging	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	0	0	0.0%	45	87	-48.3%	0	0	0.0%	445	1,248	-64.3%
MICRO BITCOIN	0	0	0.0%	258,348	368,866	-30.0%	0	0	0.0%	2,563,493	1,427,761	79.5%

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Equity Index Futures												
MICRO E-MINI NASDAQ 100	0	0	0.0%	26,864,939	17,548,126	53.1%	0	0	0.0%	222,415,979	138,366,361	60.7%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,933,174	2,807,815	-31.2%	0	0	0.0%	21,551,049	22,074,823	-2.4%
MICRO E-MINI S&P500	0	0	0.0%	25,310,520	14,690,072	72.3%	0	0	0.0%	196,104,435	127,995,713	53.2%
MICRO ETHER	0	-	-	513,186	-	-	0	-	-	3,017,295	-	-
NASDAQ-100 VOLATILITY	0	0	0.0%	647	7	9,142.9%	0	0	0.0%	18,341	56	32,651.8%
NASDAQ BIOTECH	0	0	0.0%	65	599	-89.1%	0	0	0.0%	1,269	4,347	-70.8%
Nearby BTIC+	0	0	0.0%	600	50	1,100.0%	0	0	0.0%	4,150	356	1,065.7%
NIKKEI 225 (\$) STOCK	0	0	0.0%	72,299	93,655	-22.8%	0	0	0.0%	852,109	872,974	-2.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	598,710	597,165	0.3%	0	0	0.0%	5,710,344	4,476,650	27.6%
S&P 500	0	0	0.0%	14	53	-73.6%	0	0	0.0%	1,817	11,751	-84.5%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	28,071	14,901	88.4%	0	0	0.0%	217,536	109,291	99.0%
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%	4,656	177	2,530.5%	0	0	0.0%	9,861	724	1,262.0%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
S&P CONSUMER DSCRTRNY S	0	0	0.0%	5,474	5,654	-3.2%	0	0	0.0%	50,137	70,048	-28.4%
S&P CONSUMER STAPLES SE	0	0	0.0%	8,014	11,400	-29.7%	0	0	0.0%	110,000	118,136	-6.9%
S&P ENERGY SECTOR	0	0	0.0%	38,824	15,448	151.3%	0	0	0.0%	321,184	192,270	67.0%
S&P FINANCIAL SECTOR	0	0	0.0%	10,661	18,068	-41.0%	0	0	0.0%	175,592	238,004	-26.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,976	9,353	-4.0%	0	0	0.0%	135,123	99,690	35.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	7,889	8,528	-7.5%	0	0	0.0%	94,767	76,039	24.6%
S&P MATERIALS SECTOR	0	0	0.0%	5,675	6,115	-7.2%	0	0	0.0%	56,258	61,655	-8.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	9,019	6,055	49.0%	0	0	0.0%	131,329	81,371	61.4%
S&P UTILITIES SECTOR	0	0	0.0%	10,132	8,591	17.9%	0	0	0.0%	118,965	101,401	17.3%
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%	11	59	-81.4%	0	0	0.0%	567	858	-33.9%
YEN DENOMINATED TOPIX	0	0	0.0%	87	2,114	-95.9%	0	0	0.0%	15,638	9,837	59.0%

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Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,205	876	37.6%	0	0	0.0%	9,551	8,208	16.4%
E-MINI NASDAQ 100	0	0	0.0%	873,401	638,607	36.8%	0	0	0.0%	6,968,563	3,768,585	84.9%
E-mini Russell 2000	0	0	0.0%	79,903	124,637	-35.9%	0	0	0.0%	784,897	597,686	31.3%
E-MINI RUSSELL 2000	0	0	0.0%	13,435	18,850	-28.7%	0	0	0.0%	226,643	194,373	16.6%
E-mini S&P 500	0	0	0.0%	8,952,544	7,738,345	15.7%	0	0	0.0%	77,093,057	46,330,748	66.4%
E-MINI S&P500	0	0	0.0%	8,654,843	5,448,176	58.9%	0	0	0.0%	70,577,682	39,755,365	77.5%
EOM S&P 500	0	0	0.0%	0	592	-100.0%	0	0	0.0%	0	2,156	-100.0%
MICRO BITCOIN	0	-	-	14,300	-	-	0	-	-	39,309	-	-
Micro E-mini Nasdaq-100	0	0	0.0%	29,548	33,444	-11.6%	0	0	0.0%	322,152	177,979	81.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	5,547	3,731	48.7%	0	0	0.0%	87,472	36,003	143.0%
Micro E-mini S&P 500	0	0	0.0%	176,738	163,542	8.1%	0	0	0.0%	1,667,913	977,733	70.6%
MICRO ETHER	0	-	-	27,582	-	-	0	-	-	47,619	-	-
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%	21	12	75.0%	0	0	0.0%	335	146	129.5%
AD/JY CROSS RATES	0	0	0.0%	2,944	2,185	34.7%	0	0	0.0%	35,336	15,098	134.0%
AD/NE CROSS RATES	0	0	0.0%	1,843	299	516.4%	0	0	0.0%	12,520	1,286	873.6%
AUSTRALIAN DOLLAR	0	0	0.0%	1,974,111	1,714,171	15.2%	0	0	0.0%	14,246,888	14,666,222	-2.9%
BP/JY CROSS RATES	0	0	0.0%	2,344	2,856	-17.9%	0	0	0.0%	25,369	17,147	48.0%
BP/SF CROSS RATES	0	0	0.0%	644	628	2.5%	0	0	0.0%	12,481	4,239	194.4%
BRAZIL REAL	0	0	0.0%	239,413	285,946	-16.3%	0	0	0.0%	2,001,449	1,650,831	21.2%
BRITISH POUND	0	0	0.0%	2,270,450	2,095,599	8.3%	0	0	0.0%	16,115,825	13,807,127	16.7%
CANADIAN DOLLAR	0	0	0.0%	1,881,790	1,677,630	12.2%	0	0	0.0%	12,529,657	11,555,364	8.4%
CD/JY CROSS RATES	0	0	0.0%	4	550	-99.3%	0	0	0.0%	269	1,111	-75.8%
CHINESE RENMINBI (CNH)	0	0	0.0%	19,787	15,752	25.6%	0	0	0.0%	179,050	114,431	56.5%
CZECK KORUNA (EC)	0	0	0.0%	1	0	0.0%	0	0	0.0%	19	2	850.0%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	5	260.0%
EC/AD CROSS RATES	0	0	0.0%	3,075	2,085	47.5%	0	0	0.0%	35,607	31,780	12.0%
EC/CD CROSS RATES	0	0	0.0%	7,080	3,340	112.0%	0	0	0.0%	58,446	46,666	25.2%
EC/NOK CROSS RATES	0	0	0.0%	893	204	337.7%	0	0	0.0%	8,462	3,970	113.1%
EC/SEK CROSS RATES	0	0	0.0%	3,799	158	2,304.4%	0	0	0.0%	14,844	4,273	247.4%

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FX Futures												
EFX/BP CROSS RATES	0	0	0.0%	68,235	34,001	100.7%	0	0	0.0%	630,417	372,564	69.2%
EFX/JY CROSS RATES	0	0	0.0%	37,738	30,890	22.2%	0	0	0.0%	392,516	261,476	50.1%
EFX/SF CROSS RATES	0	0	0.0%	21,903	15,255	43.6%	0	0	0.0%	291,567	146,683	98.8%
E-MICRO USD/CAD	0	0	0.0%	93	152	-38.8%	0	0	0.0%	1,685	152	1,008.6%
E-MICRO USD/CHF	0	0	0.0%	42	12	250.0%	0	0	0.0%	611	12	4,991.7%
E-MICRO USD/JPY	0	-	-	43,924	-	-	0	-	-	145,933	-	-
E-MINI EURO FX	0	0	0.0%	170,072	98,475	72.7%	0	0	0.0%	975,945	915,937	6.6%
E-MINI JAPANESE YEN	0	0	0.0%	10,410	8,093	28.6%	0	0	0.0%	65,527	62,814	4.3%
EURO FX	0	0	0.0%	4,778,238	3,518,937	35.8%	0	0	0.0%	32,541,298	28,351,463	14.8%
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%	1	3	-66.7%	0	0	0.0%	36	126	-71.4%
INDIAN RUPEE	0	0	0.0%	32,225	12,248	163.1%	0	0	0.0%	152,361	97,831	55.7%
JAPANESE YEN	0	0	0.0%	3,067,665	2,026,412	51.4%	0	0	0.0%	20,449,985	15,104,753	35.4%
KOREAN WON	0	0	0.0%	198	484	-59.1%	0	0	0.0%	2,423	10,568	-77.1%
MEXICAN PESO	0	0	0.0%	1,042,225	919,563	13.3%	0	0	0.0%	7,867,106	7,685,231	2.4%
MICRO AUD/USD	0	0	0.0%	214,442	173,153	23.8%	0	0	0.0%	1,836,182	1,519,514	20.8%
MICRO CAD/USD	0	0	0.0%	56,198	68,287	-17.7%	0	0	0.0%	408,439	377,024	8.3%
MICRO CHF/USD	0	0	0.0%	25,519	6,375	300.3%	0	0	0.0%	114,304	62,823	81.9%
MICRO EUR/USD	0	0	0.0%	922,829	500,309	84.5%	0	0	0.0%	5,141,312	3,537,619	45.3%
MICRO GBP/USD	0	0	0.0%	111,230	86,051	29.3%	0	0	0.0%	675,131	513,049	31.6%
MICRO INR/USD	0	0	0.0%	513	1,427	-64.1%	0	0	0.0%	5,397	13,651	-60.5%
MICRO JPY/USD	0	0	0.0%	0	38,550	-100.0%	0	0	0.0%	101,719	228,712	-55.5%
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%	568,138	588,728	-3.5%	0	0	0.0%	4,138,506	4,162,660	-0.6%
NKR/USD CROSS RATE	0	0	0.0%	1,473	4,527	-67.5%	0	0	0.0%	20,755	33,296	-37.7%
POLISH ZLOTY (EC)	0	0	0.0%	13	35	-62.9%	0	0	0.0%	990	936	5.8%
POLISH ZLOTY (US)	0	0	0.0%	1,122	498	125.3%	0	0	0.0%	9,542	6,221	53.4%
RMB USD	0	0	0.0%	5	0	0.0%	0	0	0.0%	15	2	650.0%
RUSSIAN RUBLE	0	0	0.0%	108	83,005	-99.9%	0	0	0.0%	576,666	683,399	-15.6%
S.AFRICAN RAND	0	0	0.0%	92,034	38,625	138.3%	0	0	0.0%	656,432	362,066	81.3%
SF/JY CROSS RATES	0	0	0.0%	732	33	2,118.2%	0	0	0.0%	4,115	177	2,224.9%
SHEKEL	0	0	0.0%	18	0	0.0%	0	0	0.0%	98	15	553.3%
SKR/USD CROSS RATES	0	0	0.0%	3,809	2,915	30.7%	0	0	0.0%	43,162	30,750	40.4%
SWISS FRANC	0	0	0.0%	547,475	472,960	15.8%	0	0	0.0%	3,681,493	3,382,897	8.8%
TURKISH LIRA	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	8	-100.0%

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FX Futures												
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	31	60	-48.3%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	29	99	-70.7%	0	0	0.0%	1,698	2,425	-30.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	38	839	-95.5%	0	0	0.0%	3,091	2,629	17.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	8	298	-97.3%	0	0	0.0%	1,994	2,685	-25.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	488	312	56.4%	0	0	0.0%	2,789	3,012	-7.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	779	23	3,287.0%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	64,682	56,178	15.1%	0	0	0.0%	488,576	323,348	51.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	33	381	-91.3%	0	0	0.0%	2,979	3,997	-25.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	378	917	-58.8%	0	0	0.0%	11,214	10,659	5.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,350	2,076	13.2%	0	0	0.0%	15,638	18,089	-13.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,153	1,891	-39.0%	0	0	0.0%	10,316	20,763	-50.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,952	1,471	32.7%	0	0	0.0%	3,917	4,857	-19.4%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	35	878	-96.0%	0	0	0.0%	5,416	8,226	-34.2%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	284	1,057	-73.1%	0	0	0.0%	3,512	5,392	-34.9%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	111	236	-53.0%	0	0	0.0%	1,987	2,677	-25.8%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	474	991	-52.2%	0	0	0.0%	4,147	7,330	-43.4%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	0	0	0.0%	0	0	0.0%	259	1,408	-81.6%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	286	477	-40.0%	0	0	0.0%	2,372	2,258	5.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	194	1,610	-88.0%	0	0	0.0%	1,288	5,961	-78.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	715	2,678	-73.3%	0	0	0.0%	8,490	9,424	-9.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,198	564	112.4%	0	0	0.0%	6,017	3,038	98.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	318	3,499	-90.9%	0	0	0.0%	5,303	10,213	-48.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,256	612	105.2%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	55,018	103,682	-46.9%	0	0	0.0%	430,525	426,483	0.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	14	889	-98.4%	0	0	0.0%	7,674	14,977	-48.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,703	3,889	-56.2%	0	0	0.0%	24,219	30,573	-20.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,347	9,367	-21.6%	0	0	0.0%	39,900	47,106	-15.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,207	8,889	-75.2%	0	0	0.0%	31,922	48,388	-34.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,541	5,593	-0.9%	0	0	0.0%	9,867	15,578	-36.7%
CAD/USD WKLY WED OPTIONE	0	0	0.0%	370	3,218	-88.5%	0	0	0.0%	6,230	9,327	-33.2%
CAD/USD WKLY WED OPTIONE	0	0	0.0%	1,990	4,096	-51.4%	0	0	0.0%	8,587	12,060	-28.8%

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FX Options												
CAD/USD WKLY WED OPTIONS	0	0	0.0%	887	2,234	-60.3%	0	0	0.0%	10,147	10,816	-6.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,191	2,554	-53.4%	0	0	0.0%	13,162	11,363	15.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,112	3,241	26.9%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	4,228	3,720	13.7%	0	0	0.0%	33,709	32,798	2.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2	4	-50.0%	0	0	0.0%	575	218	163.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1	227	-99.6%	0	0	0.0%	835	1,775	-53.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	393	186	111.3%	0	0	0.0%	859	1,413	-39.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	47	65	-27.7%	0	0	0.0%	997	2,294	-56.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	68	166	-59.0%	0	0	0.0%	82	238	-65.5%
EUR/GBP MONTHLY OPTIONS	0	-	-	0	-	-	0	-	-	204	-	-
EUR/GBP WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,184	8,475	-86.0%	0	0	0.0%	11,438	15,049	-24.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	855	699	22.3%	0	0	0.0%	18,364	11,629	57.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,634	1,616	1.1%	0	0	0.0%	7,412	8,200	-9.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,417	5,007	-71.7%	0	0	0.0%	19,426	17,937	8.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,856	1,587	80.0%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	262,664	203,019	29.4%	0	0	0.0%	1,605,650	1,432,913	12.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	321	1,584	-79.7%	0	0	0.0%	36,007	30,334	18.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,298	4,437	-3.1%	0	0	0.0%	104,483	91,358	14.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,093	20,276	-35.4%	0	0	0.0%	110,682	138,954	-20.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,353	20,412	-24.8%	0	0	0.0%	132,173	125,597	5.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,562	24,596	-8.3%	0	0	0.0%	43,204	58,205	-25.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,755	7,693	-12.2%	0	0	0.0%	41,248	46,610	-11.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,579	11,823	-35.9%	0	0	0.0%	36,262	52,891	-31.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,632	6,927	-33.1%	0	0	0.0%	37,845	49,820	-24.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,215	14,255	-49.4%	0	0	0.0%	41,158	63,661	-35.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	13,048	12,636	3.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,141	1,887	-39.5%	0	0	0.0%	4,136	3,127	32.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	620	799	-22.4%	0	0	0.0%	7,323	4,382	67.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	82	227	-63.9%	0	0	0.0%	2,082	1,707	22.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	848	1,088	-22.1%	0	0	0.0%	3,881	2,775	39.9%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	361	400	-9.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	75,740	88,791	-14.7%	0	0	0.0%	493,619	523,109	-5.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	15	1,408	-98.9%	0	0	0.0%	4,286	8,106	-47.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,567	2,867	-45.3%	0	0	0.0%	14,393	16,646	-13.5%

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FX Options												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,615	4,233	-38.2%	0	0	0.0%	19,264	20,825	-7.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	787	5,630	-86.0%	0	0	0.0%	15,447	25,522	-39.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,458	3,793	-61.6%	0	0	0.0%	5,566	7,912	-29.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,389	1,250	11.1%	0	0	0.0%	9,206	8,737	5.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	483	1,083	-55.4%	0	0	0.0%	3,510	5,162	-32.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	244	653	-62.6%	0	0	0.0%	7,213	4,788	50.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,881	894	110.4%	0	0	0.0%	6,371	7,514	-15.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	481	1,901	-74.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	767	710	8.0%	0	0	0.0%	2,897	3,096	-6.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	238	805	-70.4%	0	0	0.0%	6,030	2,914	106.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	352	776	-54.6%	0	0	0.0%	2,000	2,602	-23.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,005	269	273.6%	0	0	0.0%	7,141	1,293	452.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.0%	0	0	0.0%	51	313	-83.7%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	95,115	93,792	1.4%	0	0	0.0%	967,830	550,631	75.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	16	1,019	-98.4%	0	0	0.0%	23,956	20,917	14.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,669	1,287	107.4%	0	0	0.0%	57,013	35,846	59.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,954	13,305	-17.7%	0	0	0.0%	80,717	67,260	20.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,294	9,076	35.5%	0	0	0.0%	74,776	57,830	29.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,191	8,447	44.3%	0	0	0.0%	27,899	25,004	11.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,094	3,004	36.3%	0	0	0.0%	23,573	17,300	36.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,191	6,684	-37.3%	0	0	0.0%	20,913	23,856	-12.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,766	6,640	-43.3%	0	0	0.0%	18,654	22,361	-16.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	7,037	3,319	112.0%	0	0	0.0%	28,729	19,539	47.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,555	5,541	36.3%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	89	636	-86.0%	0	0	0.0%	4,425	6,958	-36.4%
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	331	-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	494	-99.4%	0	0	0.0%	506	1,287	-60.7%
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	-	-
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%

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Foreign Exchange Futures												
CHILEAN PESO	0	-	-	0	-	-	0	-	-	24	-	-
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	47	516	-90.9%	0	0	0.0%	2,945	4,034	-27.0%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	390	803	-51.4%	0	0	0.0%	1,908	4,803	-60.3%
BUTTER CS	0	0	0.0%	3,920	3,407	15.1%	0	0	0.0%	30,390	28,413	7.0%
CASH-SETTLED CHEESE	0	0	0.0%	10,256	11,765	-12.8%	0	0	0.0%	67,491	81,866	-17.6%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,143,406	1,200,957	-4.8%	0	0	0.0%	8,609,110	8,320,446	3.5%
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%	3,122	787	296.7%	0	0	0.0%	17,449	5,633	209.8%
DRY WHEY	0	0	0.0%	820	1,346	-39.1%	0	0	0.0%	6,997	16,078	-56.5%
FEEDER CATTLE	0	0	0.0%	296,538	260,875	13.7%	0	0	0.0%	1,859,806	1,684,574	10.4%
GOLDMAN SACHS	0	0	0.0%	2,349	4,741	-50.5%	0	0	0.0%	20,816	72,879	-71.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	30	0	0.0%	0	0	0.0%	52	101	-48.5%
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	-	-
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%	970,407	1,017,114	-4.6%	0	0	0.0%	6,814,903	7,047,089	-3.3%
HOUSING INDEX	0	0	0.0%	7	4	75.0%	0	0	0.0%	118	76	55.3%
LUMBER	0	0	0.0%	6,270	10,789	-41.9%	0	0	0.0%	54,530	75,166	-27.5%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	27,986	24,560	13.9%	0	0	0.0%	204,368	164,269	24.4%
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%	5,012	4,455	12.5%	0	0	0.0%	42,445	38,637	9.9%
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%	1,761	1,484	18.7%	0	0	0.0%	17,216	20,813	-17.3%
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%	86	240	-64.2%	0	0	0.0%	2,457	2,310	6.4%
BUTTER CS	0	0	0.0%	1,243	761	63.3%	0	0	0.0%	9,184	15,200	-39.6%
CASH-SETTLED CHEESE	0	0	0.0%	4,960	4,691	5.7%	0	0	0.0%	44,663	52,707	-15.3%
CATTLE	0	0	0.0%	164,974	149,711	10.2%	0	0	0.0%	1,473,141	1,304,342	12.9%
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%	6,211	4,040	53.7%	0	0	0.0%	44,677	22,626	97.5%
DRY WHEY	0	0	0.0%	392	167	134.7%	0	0	0.0%	2,545	1,585	60.6%
FEEDER CATTLE	0	0	0.0%	37,123	18,130	104.8%	0	0	0.0%	243,205	149,504	62.7%
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%	212,690	213,252	-0.3%	0	0	0.0%	1,580,586	1,426,001	10.8%
HOUSING INDEX	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
LUMBER	0	0	0.0%	291	585	-50.3%	0	0	0.0%	3,154	5,750	-45.1%
LV CATL CSO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
MILK	0	0	0.0%	33,800	19,618	72.3%	0	0	0.0%	144,935	177,446	-18.3%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	45	11	309.1%
NFD MILK	0	0	0.0%	3,028	2,990	1.3%	0	0	0.0%	25,029	27,409	-8.7%
PORK CUTOUT	0	0	0.0%	0	1	-100.0%	0	0	0.0%	35	738	-95.3%
TOTAL FUTURES GROUP												
Interest Rate Futures	742,571	458,766	61.9%	59,811,472	49,503,826	20.8%	5,942,074	2,923,737	103.2%	495,898,849	362,217,431	36.9%
Equity Index Futures	0	0	0.0%	106,039,079	79,395,110	33.6%	0	0	0.0%	870,924,299	639,646,939	36.2%
FX Futures	0	0	0.0%	18,226,826	14,531,418	25.4%	0	0	0.0%	126,208,278	109,844,223	14.9%
Foreign Exchange Futures	0	-	-	0	-	-	0	-	-	24	-	-
Ag Products Futures	0	0	0.0%	2,472,274	2,543,087	-2.8%	0	0	0.0%	17,747,599	17,560,843	1.1%
TOTAL FUTURES	742,571	458,766	61.9%	186,549,651	145,973,441	27.8%	5,942,074	2,923,737	103.2%	1,510,779,049	1,129,269,436	33.8%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2022	Open Outcry JUL 2021	% CHG	ELEC JUL 2022	ELEC JUL 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%	18,829,046	14,170,800	32.9%	0	0	0.0%	157,824,858	91,849,036	71.8%
Interest Rate Options	10,807,196	13,594,494	-20.5%	5,229,540	5,997,930	-12.8%	114,418,861	93,196,161	22.8%	50,195,542	47,183,607	6.4%
FX Options	0	0	0.0%	748,946	820,916	-8.8%	0	0	0.0%	5,419,721	4,783,771	13.3%
Ag Products Options	0	0	0.0%	464,798	414,186	12.2%	0	0	0.0%	3,573,656	3,185,629	12.2%
Foreign Exchange Options	0	0	0.0%	47	516	-90.9%	0	0	0.0%	2,945	4,034	-27.0%
TOTAL OPTIONS	10,807,196	13,594,494	-20.5%	25,272,377	21,404,348	18.1%	114,418,861	93,196,161	22.8%	217,016,722	147,006,077	47.6%
TOTAL COMBINED												
Interest Rate	11,549,767	14,053,260	-17.8%	65,041,012	55,501,756	17.2%	120,360,935	96,119,898	25.2%	546,094,391	409,401,038	33.4%
Equity Index	0	0	0.0%	124,868,125	93,565,910	33.5%	0	0	0.0%	1,028,749,157	731,495,975	40.6%
FX	0	0	0.0%	18,975,772	15,352,334	23.6%	0	0	0.0%	131,627,999	114,627,994	14.8%
Foreign Exchange	0	0	0.0%	47	516	-90.9%	0	0	0.0%	2,969	4,034	-26.4%
Ag Products	0	0	0.0%	2,937,072	2,957,273	-0.7%	0	0	0.0%	21,321,255	20,746,472	2.8%
GRAND TOTAL	11,549,767	14,053,260	-17.8%	211,822,028	167,377,789	26.6%	120,360,935	96,119,898	25.2%	1,727,795,771	1,276,275,513	35.4%

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