

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 DSCRTNRY 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 OPTIONS	0	0	0.0%	35	878	-96.0%	0	0	0.0%	5,416	8,226	-34.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	284	1,057	-73.1%	0	0	0.0%	3,512	5,392	-34.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	111	236	-53.0%	0	0	0.0%	1,987	2,677	-25.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	474	991	-52.2%	0	0	0.0%	4,147	7,330	-43.4%
AUD/USD WKLY WED OPTIONS	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 OPTIONS	0	0	0.0%	370	3,218	-88.5%	0	0	0.0%	6,230	9,327	-33.2%
CAD/USD WKLY WED OPTIONS	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%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

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%