



CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Interest Rate Futures												
1-MONTH EURODOLLAR	0	0	0.0%	670	0	0.0%	0	0	0.0%	672	826	-18.6%
EURODOLLARS	468,202	137,810	239.7%	42,571,142	30,461,184	39.8%	5,767,140	3,277,668	76.0%	595,615,411	498,955,614	19.4%
SOFR	0	0	0.0%	6,285,564	1,436,190	337.7%	0	0	0.0%	39,289,306	12,342,169	218.3%
SONIA	0	0	0.0%	1,583	132,578	-98.8%	0	0	0.0%	805,095	2,007,954	-59.9%
TIIE	0	-	-	54	-	-	0	-	-	872	-	-
Interest Rate Options												
EURODOLLARS	6,559,496	2,273,307	188.5%	2,709,516	1,482,590	82.8%	40,719,007	57,751,867	-29.5%	20,689,479	106,164,883	-80.5%
EURO MIDCURVE	6,928,321	2,662,659	160.2%	3,719,930	1,813,785	105.1%	124,540,924	26,925,436	362.5%	66,530,876	50,857,323	30.8%
SOFR	0	6,000	-100.0%	204	0	0.0%	7,310	6,010	21.6%	1,646	3,114	-47.1%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	163,245	244,484	-33.2%	0	0	0.0%	2,492,300	2,213,538	12.6%
E-MINI COM SERVICES SELEC	0	0	0.0%	6,098	3,892	56.7%	0	0	0.0%	35,349	29,476	19.9%
E-mini FTSE 100 (USD)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-mini FTSE China 50	0	0	0.0%	139	0	0.0%	0	0	0.0%	898	2	44,800.0%
E-MINI MIDCAP	0	0	0.0%	423,532	473,840	-10.6%	0	0	0.0%	3,270,992	4,400,865	-25.7%
E-MINI NASDAQ 100	0	0	0.0%	14,194,846	9,939,297	42.8%	0	0	0.0%	139,598,255	145,911,118	-4.3%
E-MINI RUSSELL 1000	0	0	0.0%	11,890	2,423	390.7%	0	0	0.0%	58,977	38,687	52.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	7,159	7,560	-5.3%	0	0	0.0%	40,763	38,635	5.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	15,176	11,781	28.8%	0	0	0.0%	99,056	76,995	28.7%
E-MINI RUSSELL 2000	0	0	0.0%	6,142,363	4,575,300	34.3%	0	0	0.0%	51,096,171	50,952,040	0.3%
E-MINI S&P500	0	0	0.0%	43,907,557	34,059,964	28.9%	0	0	0.0%	400,484,437	499,585,515	-19.8%
E-MINI S&P500 ESG	0	0	0.0%	30,886	21,384	44.4%	0	0	0.0%	173,931	96,519	80.2%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	8,256	6,646	24.2%	0	0	0.0%	53,646	58,421	-8.2%
ETHER FUTURES	0	-	-	90,841	-	-	0	-	-	887,707	-	-
FT-SE 100	0	0	0.0%	89	1	8,800.0%	0	0	0.0%	373	9	4,044.4%
FTSE Emerging	0	0	0.0%	0	25	-100.0%	0	0	0.0%	5	4,798	-99.9%
IBOVESPA INDEX	0	0	0.0%	71	187	-62.0%	0	0	0.0%	2,570	4,668	-44.9%
MICRO BITCOIN FUTURES	0	-	-	419,521	-	-	0	-	-	3,727,461	-	-
MICRO E-MINI NASDAQ 100	0	0	0.0%	24,614,942	16,275,693	51.2%	0	0	0.0%	239,115,577	178,531,164	33.9%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Equity Index Futures												
MICRO E-MINI RUSSELL 2000	0	0	0.0%	4,073,952	1,982,659	105.5%	0	0	0.0%	39,150,463	23,672,428	65.4%
MICRO E-MINI S&P500	0	0	0.0%	21,948,911	16,318,013	34.5%	0	0	0.0%	218,602,634	226,808,530	-3.6%
MICRO ETHER FUTURES	0	-	-	208,324	-	-	0	-	-	208,324	-	-
NASDAQ-100 VOLATILITY	0	0	0.0%	0	6	-100.0%	0	0	0.0%	111	23	382.6%
NASDAQ BIOTECH	0	0	0.0%	198	285	-30.5%	0	0	0.0%	5,822	5,555	4.8%
Nearby BTIC+	0	0	0.0%	650	0	0.0%	0	0	0.0%	1,106	200	453.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	154,574	133,213	16.0%	0	0	0.0%	1,583,504	2,258,392	-29.9%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	740,644	641,304	15.5%	0	0	0.0%	8,116,758	11,237,739	-27.8%
S&P 500	0	0	0.0%	1,200	120	900.0%	0	33,712	-100.0%	14,436	20,961	-31.1%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	19,013	9,407	102.1%	0	0	0.0%	169,368	254,429	-33.4%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	10	254	-96.1%	0	0	0.0%	1,034	9,893	-89.5%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	14,248	11,026	29.2%	0	0	0.0%	121,184	90,704	33.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	28,109	20,955	34.1%	0	0	0.0%	209,483	148,856	40.7%
S&P ENERGY SECTOR	0	0	0.0%	46,478	37,787	23.0%	0	0	0.0%	346,248	251,170	37.9%
S&P FINANCIAL SECTOR	0	0	0.0%	51,577	42,705	20.8%	0	0	0.0%	380,364	239,739	58.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	31,230	22,751	37.3%	0	0	0.0%	196,970	163,421	20.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	18,178	19,753	-8.0%	0	0	0.0%	127,565	119,385	6.9%
S&P MATERIALS SECTOR	0	0	0.0%	16,005	11,882	34.7%	0	0	0.0%	107,154	68,583	56.2%
S&P TECHNOLOGY SECTOR	0	0	0.0%	30,868	20,801	48.4%	0	0	0.0%	157,166	138,503	13.5%
S&P UTILITIES SECTOR	0	0	0.0%	28,478	24,858	14.6%	0	0	0.0%	207,381	176,132	17.7%
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%	39	94	-58.5%	0	0	0.0%	986	94	948.9%
YEN DENOMINATED TOPIX	0	0	0.0%	3,883	1,672	132.2%	0	0	0.0%	31,216	77,860	-59.9%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,109	3,249	-65.9%	0	0	0.0%	13,657	19,799	-31.0%
E-MINI NASDAQ 100	0	0	0.0%	689,271	262,327	162.8%	0	0	0.0%	6,981,883	4,029,014	73.3%
E-MINI RUSSELL 2000	0	0	0.0%	46,727	16,753	178.9%	0	0	0.0%	383,123	230,424	66.3%
E-MINI S&P500	0	0	0.0%	10,462,713	5,917,491	76.8%	0	250	-100.0%	80,536,703	84,727,173	-4.9%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	36,820	19,353	90.3%	0	0	0.0%	268,359	116,366	130.6%
EOM EMINI S&P	0	0	0.0%	2,888,100	1,242,052	132.5%	0	0	0.0%	24,839,990	23,023,550	7.9%
EOM S&P 500	0	0	0.0%	0	0	0.0%	0	303,360	-100.0%	2,158	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	13,502	2,406	461.2%	0	0	0.0%	144,857	50,285	188.1%
EOW1 EMINI S&P 500	0	0	0.0%	1,907,033	392,686	385.6%	0	0	0.0%	13,464,884	12,023,282	12.0%
EOW1 S&P 500	0	0	0.0%	0	0	0.0%	0	157,788	-100.0%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	14,986	7,888	90.0%	0	0	0.0%	164,102	80,323	104.3%
EOW2 EMINI S&P 500	0	0	0.0%	1,716,479	941,003	82.4%	0	0	0.0%	14,165,898	12,873,879	10.0%
EOW2 S&P 500	0	0	0.0%	0	0	0.0%	0	252,530	-100.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	34,538	14,679	135.3%	0	0	0.0%	387,324	205,288	88.7%
EOW3 EMINI S&P 500	0	0	0.0%	1,866,861	1,236,307	51.0%	0	0	0.0%	26,153,993	27,386,900	-4.5%
EOW3 S&P 500	0	0	0.0%	0	0	0.0%	0	266,271	-100.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	13,839	6,220	122.5%	0	0	0.0%	176,716	46,721	278.2%
EOW4 EMINI S&P 500	0	0	0.0%	1,486,432	588,852	152.4%	0	0	0.0%	11,707,950	10,270,410	14.0%
MICRO E-MINI NASDAQ	0	0	0.0%	16,569	2,460	573.5%	0	0	0.0%	80,775	6,839	1,081.1%
MICRO E-MINI NASDAQ 100	0	-	-	15,553	-	-	0	-	-	27,695	-	-
MICRO E-MINI NASDAQ END O	0	0	0.0%	13,748	1,684	716.4%	0	0	0.0%	98,521	6,505	1,414.5%
MICRO E-MINI NASDAQ WEEKL	0	0	0.0%	32,583	4,268	663.4%	0	0	0.0%	263,353	25,079	950.1%
MICRO E-MINI S&P 500	0	0	0.0%	71,505	22,233	221.6%	0	0	0.0%	392,204	86,488	353.5%
MICRO E-MINI S&P 500 END OF	0	0	0.0%	63,425	16,617	281.7%	0	0	0.0%	506,591	113,327	347.0%
MICRO E-MINI S&P 500 WEEKL	0	0	0.0%	139,267	46,470	199.7%	0	0	0.0%	1,179,998	331,258	256.2%
S&P 500	0	0	0.0%	0	380	-100.0%	0	677,812	-100.0%	200	8,853	-97.7%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	74	12	516.7%	0	0	0.0%	246	98	151.0%
AD/JY CROSS RATES	0	0	0.0%	3,753	1,873	100.4%	0	0	0.0%	28,462	29,132	-2.3%
AD/NE CROSS RATES	0	0	0.0%	349	173	101.7%	0	0	0.0%	3,850	3,054	26.1%
AUSTRALIAN DOLLAR	0	0	0.0%	2,101,185	2,331,997	-9.9%	0	0	0.0%	24,495,976	25,842,040	-5.2%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
BP/JY CROSS RATES	0	0	0.0%	3,798	3,067	23.8%	0	0	0.0%	31,136	36,686	-15.1%
BP/SF CROSS RATES	0	0	0.0%	2,714	580	367.9%	0	0	0.0%	11,614	4,826	140.7%
BRAZIL REAL	0	0	0.0%	262,717	204,054	28.7%	0	0	0.0%	2,790,938	2,299,969	21.3%
BRITISH POUND	0	0	0.0%	2,458,454	3,308,983	-25.7%	0	0	0.0%	24,135,676	27,830,067	-13.3%
CANADIAN DOLLAR	0	0	0.0%	1,886,774	1,893,478	-0.4%	0	0	0.0%	20,041,195	19,420,460	3.2%
CD/JY CROSS RATES	0	0	0.0%	8	11	-27.3%	0	0	0.0%	1,987	419	374.2%
CHINESE RENMINBI (CNH)	0	0	0.0%	21,882	35,857	-39.0%	0	0	0.0%	202,935	277,441	-26.9%
CZECK KORUNA (EC)	0	0	0.0%	0	4	-100.0%	0	0	0.0%	2	30	-93.3%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.0%	0	0	0.0%	12	2	500.0%
EC/AD CROSS RATES	0	0	0.0%	8,133	14,419	-43.6%	0	0	0.0%	58,025	76,851	-24.5%
EC/CD CROSS RATES	0	0	0.0%	19,120	9,635	98.4%	0	0	0.0%	93,875	55,649	68.7%
EC/NOK CROSS RATES	0	0	0.0%	1,033	559	84.8%	0	0	0.0%	7,726	2,395	222.6%
EC/SEK CROSS RATES	0	0	0.0%	2,622	1,404	86.8%	0	0	0.0%	9,153	7,681	19.2%
EFX/BP CROSS RATES	0	0	0.0%	123,884	117,405	5.5%	0	0	0.0%	728,097	810,548	-10.2%
EFX/JY CROSS RATES	0	0	0.0%	93,157	74,719	24.7%	0	0	0.0%	555,520	669,029	-17.0%
EFX/SF CROSS RATES	0	0	0.0%	43,952	43,801	0.3%	0	0	0.0%	300,860	407,336	-26.1%
E-MICRO USD/CAD	0	-	-	900	-	-	0	-	-	3,094	-	-
E-MICRO USD/CHF	0	-	-	111	-	-	0	-	-	243	-	-
E-MICRO USD/JPY	0	-	-	3,638	-	-	0	-	-	11,592	-	-
E-MINI EURO FX	0	0	0.0%	133,692	218,618	-38.8%	0	0	0.0%	1,437,820	1,917,534	-25.0%
E-MINI JAPANESE YEN	0	0	0.0%	5,184	9,129	-43.2%	0	0	0.0%	106,465	232,932	-54.3%
EURO FX	0	0	0.0%	5,097,665	5,854,145	-12.9%	0	36	-100.0%	48,680,154	55,139,433	-11.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	11	-100.0%
HUNGARIAN FORINT (US)	0	0	0.0%	10	25	-60.0%	0	0	0.0%	187	137	36.5%
INDIAN RUPEE	0	0	0.0%	18,218	18,439	-1.2%	0	0	0.0%	174,460	298,936	-41.6%
JAPANESE YEN	0	0	0.0%	2,360,551	2,592,479	-8.9%	0	0	0.0%	27,041,400	28,876,974	-6.4%
KOREAN WON	0	0	0.0%	442	1,455	-69.6%	0	0	0.0%	12,660	8,184	54.7%
MEXICAN PESO	0	0	0.0%	1,145,822	1,459,203	-21.5%	0	0	0.0%	13,267,225	14,648,087	-9.4%
MICRO AUD/USD	0	0	0.0%	317,005	261,617	21.2%	0	0	0.0%	2,698,006	2,970,125	-9.2%
MICRO CAD/USD	0	0	0.0%	68,575	32,267	112.5%	0	0	0.0%	687,105	360,021	90.9%
MICRO CHF/USD	0	0	0.0%	8,173	10,126	-19.3%	0	0	0.0%	105,662	62,071	70.2%
MICRO EUR/USD	0	0	0.0%	574,447	614,152	-6.5%	0	0	0.0%	5,958,190	6,046,141	-1.5%
MICRO GBP/USD	0	0	0.0%	109,113	152,957	-28.7%	0	0	0.0%	1,025,415	933,208	9.9%
MICRO INR/USD	0	0	0.0%	709	2,212	-67.9%	0	0	0.0%	18,981	26,073	-27.2%
MICRO JPY/USD	0	0	0.0%	47,740	29,039	64.4%	0	0	0.0%	480,037	348,677	37.7%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
MICRO USD/CNH	0	-	-	0	-	-	0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	540,529	709,921	-23.9%	0	0	0.0%	6,982,267	7,441,015	-6.2%
NKR/USD CROSS RATE	0	0	0.0%	5,112	7,820	-34.6%	0	0	0.0%	54,324	55,922	-2.9%
POLISH ZLOTY (EC)	0	0	0.0%	376	148	154.1%	0	0	0.0%	1,778	740	140.3%
POLISH ZLOTY (US)	0	0	0.0%	1,745	1,300	34.2%	0	0	0.0%	11,314	10,050	12.6%
RMB USD	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	4	-25.0%
RUSSIAN RUBLE	0	0	0.0%	207,254	163,962	26.4%	0	0	0.0%	1,459,099	1,384,375	5.4%
S.AFRICAN RAND	0	0	0.0%	94,293	87,405	7.9%	0	0	0.0%	742,095	921,859	-19.5%
SF/JY CROSS RATES	0	0	0.0%	65	4	1,525.0%	0	0	0.0%	444	255	74.1%
SHEKEL	0	0	0.0%	21	10	110.0%	0	0	0.0%	65	124	-47.6%
SKR/USD CROSS RATES	0	0	0.0%	5,771	7,995	-27.8%	0	0	0.0%	59,764	51,247	16.6%
SWISS FRANCS	0	0	0.0%	513,470	618,861	-17.0%	0	0	0.0%	5,967,887	6,874,662	-13.2%
TURKISH LIRA	0	0	0.0%	8	0	0.0%	0	0	0.0%	16	96	-83.3%
USDZAR	0	0	0.0%	6	0	0.0%	0	0	0.0%	1,285	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	209	951	-78.0%	0	0	0.0%	6,432	4,522	42.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	489	920	-46.8%	0	0	0.0%	4,365	2,603	67.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	95	0	0.0%	0	0	0.0%	4,232	2,940	43.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	451	85	430.6%	0	0	0.0%	4,975	2,426	105.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,356	798	195.2%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	44,465	42,698	4.1%	0	0	0.0%	596,458	820,989	-27.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	561	-100.0%	0	0	0.0%	7,231	6,144	17.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,019	2,317	-12.9%	0	0	0.0%	22,118	43,661	-49.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,753	2,643	4.2%	0	0	0.0%	31,929	41,552	-23.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,557	1,346	15.7%	0	0	0.0%	34,739	44,598	-22.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	883	271	225.8%	0	0	0.0%	9,688	17,592	-44.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	329	521	-36.9%	0	0	0.0%	13,207	14,388	-8.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	177	908	-80.5%	0	0	0.0%	8,367	17,114	-51.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	464	842	-44.9%	0	0	0.0%	3,603	9,324	-61.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	786	1,261	-37.7%	0	0	0.0%	10,371	16,586	-37.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	269	912	-70.5%	0	0	0.0%	2,254	6,603	-65.9%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	1,068	22	4,754.5%	0	0	0.0%	5,056	707	615.1%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,276	1,832	-30.3%	0	0	0.0%	11,615	4,997	132.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,570	100	1,470.0%	0	0	0.0%	17,998	2,423	642.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	394	130	203.1%	0	0	0.0%	11,076	8,954	23.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	379	600	-36.8%	0	0	0.0%	23,272	5,872	296.3%
CAD/USD MONDAY OPTIONS	0	0	0.0%	3	0	0.0%	0	0	0.0%	4,374	3,435	27.3%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	75,077	38,493	95.0%	0	430	-100.0%	833,791	546,118	52.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	2,977	-100.0%	0	0	0.0%	27,536	15,410	78.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,278	3,763	-12.9%	0	0	0.0%	57,780	70,979	-18.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,714	8,222	-30.5%	0	0	0.0%	89,971	77,625	15.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,485	4,348	3.2%	0	0	0.0%	102,003	80,464	26.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,923	322	1,428.9%	0	0	0.0%	33,062	30,635	7.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,400	1,531	-8.6%	0	0	0.0%	24,681	25,598	-3.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	760	464	63.8%	0	0	0.0%	21,174	18,412	15.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,884	815	131.2%	0	0	0.0%	26,220	21,090	24.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,942	920	111.1%	0	0	0.0%	29,228	26,241	11.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	655	1,299	-49.6%	0	0	0.0%	9,690	9,498	2.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	21,661	2,435	789.6%	0	0	0.0%	82,630	42,706	93.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	22	-100.0%	0	0	0.0%	411	161	155.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	272	9	2,922.2%	0	0	0.0%	3,655	2,252	62.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	99	59	67.8%	0	0	0.0%	2,064	1,354	52.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	382	7	5,357.1%	0	0	0.0%	3,190	1,456	119.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	22	0	0.0%	0	0	0.0%	307	1,824	-83.2%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	100	0	0.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,307	3,964	-41.8%	0	0	0.0%	22,474	22,580	-0.5%
EUR/USD MONDAY OPTION W	0	0	0.0%	214	4,292	-95.0%	0	0	0.0%	17,902	20,278	-11.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	823	5,190	-84.1%	0	0	0.0%	17,416	25,144	-30.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	917	751	22.1%	0	0	0.0%	31,805	21,849	45.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	51	0	0.0%	0	0	0.0%	9,145	9,785	-6.5%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	135,217	190,734	-29.1%	0	1,550	-100.0%	2,274,341	3,163,220	-28.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	6,339	-100.0%	0	0	0.0%	49,464	35,651	38.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	18,298	15,001	22.0%	0	62	-100.0%	173,669	219,335	-20.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,259	19,530	14.0%	0	0	0.0%	254,108	237,509	7.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,626	10,067	75.1%	0	0	0.0%	216,278	246,398	-12.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,809	521	1,974.7%	0	0	0.0%	96,745	79,407	21.8%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,092	5,589	-44.7%	0	0	0.0%	76,509	112,744	-32.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,431	7,992	-32.0%	0	0	0.0%	82,512	94,497	-12.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,360	11,036	-60.5%	0	0	0.0%	79,432	96,784	-17.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	2,734	9,479	-71.2%	0	0	0.0%	101,314	93,022	8.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	2,023	9,881	-79.5%	0	0	0.0%	27,415	44,031	-37.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,301	5,169	-74.8%	0	0	0.0%	5,940	11,806	-49.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	510	464	9.9%	0	0	0.0%	7,187	5,536	29.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	250	431	-42.0%	0	0	0.0%	5,109	9,670	-47.2%
GBP/USD MONDAY OPTION W	0	0	0.0%	130	456	-71.5%	0	0	0.0%	6,838	12,508	-45.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,238	1,814	-31.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	56,759	116,741	-51.4%	0	64	-100.0%	856,650	1,055,950	-18.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	1,989	-100.0%	0	0	0.0%	12,239	11,476	6.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,399	2,744	-49.0%	0	0	0.0%	33,053	40,809	-19.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,175	8,985	-75.8%	0	0	0.0%	34,876	52,773	-33.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,004	3,679	-18.3%	0	0	0.0%	41,750	39,756	5.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,544	4	63,500.0%	0	0	0.0%	12,988	16,266	-20.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,669	15	11,026.7%	0	0	0.0%	14,658	19,135	-23.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	145	1,930	-92.5%	0	0	0.0%	8,311	13,484	-38.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,887	634	197.6%	0	0	0.0%	10,664	18,835	-43.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,322	2,401	-44.9%	0	0	0.0%	15,645	15,498	0.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	582	481	21.0%	0	0	0.0%	3,173	7,661	-58.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	169	954	-82.3%	0	0	0.0%	4,142	9,849	-57.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	202	734	-72.5%	0	0	0.0%	6,349	13,803	-54.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	40	465	-91.4%	0	0	0.0%	4,140	8,833	-53.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	91	604	-84.9%	0	0	0.0%	4,760	7,805	-39.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	3	0	0.0%	0	0	0.0%	2,900	2,939	-1.3%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	111,731	50,860	119.7%	0	727	-100.0%	1,003,332	1,301,048	-22.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	3,033	-100.0%	0	0	0.0%	28,297	20,175	40.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	14,975	6,680	124.2%	0	0	0.0%	83,875	122,980	-31.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,574	12,903	-41.3%	0	0	0.0%	116,701	141,745	-17.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,960	5,984	33.0%	0	0	0.0%	107,157	128,713	-16.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,043	374	1,248.4%	0	0	0.0%	41,680	48,416	-13.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,634	638	312.9%	0	0	0.0%	36,929	54,310	-32.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,587	2,213	107.3%	0	0	0.0%	46,744	44,377	5.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,428	1,532	189.0%	0	0	0.0%	43,317	50,968	-15.0%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,589	3,245	-20.2%	0	0	0.0%	41,273	54,952	-24.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,625	843	211.4%	0	0	0.0%	10,504	13,261	-20.8%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	350	397	-11.8%	0	1,840	-100.0%	15,854	17,641	-10.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	4,413	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	486	-100.0%	0	0	0.0%	904	3,274	-72.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	552	2,174	-74.6%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	631	3,159	-80.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	152	-100.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	13	19	-31.6%	0	0	0.0%	2,511	4,984	-49.6%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	67	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	375	-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	67	-100.0%	0	0	0.0%	68	636	-89.3%
Foreign Exchange Futures												
CHILEAN PESO	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	6	373	-98.4%	0	0	0.0%	5,109	7,831	-34.8%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	857	251	241.4%	0	0	0.0%	7,461	2,845	162.2%
BUTTER CS	0	0	0.0%	6,474	5,687	13.8%	0	0	0.0%	48,901	64,989	-24.8%
CASH-SETTLED CHEESE	0	0	0.0%	9,628	15,661	-38.5%	0	0	0.0%	139,149	158,841	-12.4%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	954,369	902,081	5.8%	0	2,592	-100.0%	13,908,672	16,097,985	-13.6%
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	50	-100.0%
CLASS IV MILK	0	0	0.0%	4,539	602	654.0%	0	65	-100.0%	21,811	22,833	-4.5%
DRY WHEY	0	0	0.0%	1,198	2,762	-56.6%	0	0	0.0%	22,256	18,662	19.3%
FEEDER CATTLE	0	0	0.0%	237,535	245,495	-3.2%	0	54	-100.0%	3,066,591	3,224,391	-4.9%
GOLDMAN SACHS	0	0	0.0%	3,499	12,797	-72.7%	0	0	0.0%	93,370	174,903	-46.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	77	0	0.0%	0	0	0.0%	228	85	168.2%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	25	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	752,378	682,777	10.2%	0	1,940	-100.0%	11,399,319	12,372,698	-7.9%
HOUSING INDEX	0	0	0.0%	14	6	133.3%	0	0	0.0%	166	270	-38.5%
LUMBER	0	0	0.0%	9,801	14,025	-30.1%	0	0	0.0%	114,765	155,138	-26.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	30,656	36,974	-17.1%	0	59	-100.0%	302,869	422,799	-28.4%
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%	5,779	4,593	25.8%	0	0	0.0%	64,797	88,611	-26.9%
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%	2,172	2,056	5.6%	0	0	0.0%	28,554	4,423	545.6%
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%



CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Options												
BLOCK CHEESE	0	0	0.0%	40	290	-86.2%	0	2,052	-100.0%	3,004	6,646	-54.8%
BUTTER CS	0	0	0.0%	3,445	2,246	53.4%	0	212	-100.0%	24,406	32,781	-25.5%
CASH-SETTLED CHEESE	0	0	0.0%	6,931	11,055	-37.3%	0	5,682	-100.0%	74,091	132,016	-43.9%
CATTLE	0	0	0.0%	164,771	174,494	-5.6%	0	59,913	-100.0%	2,284,001	2,599,917	-12.2%
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%	0	0	0.0%
CDD WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CLASS IV MILK	0	0	0.0%	9,944	1,446	587.7%	0	1,082	-100.0%	57,164	46,839	22.0%
DRY WHEY	0	0	0.0%	20	519	-96.1%	0	119	-100.0%	1,823	5,824	-68.7%
FEEDER CATTLE	0	0	0.0%	22,829	18,508	23.3%	0	4,252	-100.0%	266,218	293,646	-9.3%
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%	180,663	114,121	58.3%	0	34,430	-100.0%	2,411,296	2,886,738	-16.5%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	0	0.0%	689	1,011	-31.8%	0	0	0.0%	8,307	10,497	-20.9%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	37,941	31,080	22.1%	0	3,323	-100.0%	315,301	525,467	-40.0%
MLK MID OPTIONS	0	0	0.0%	4	12	-66.7%	0	31	-100.0%	32	105	-69.5%
NFD MILK	0	0	0.0%	2,501	2,590	-3.4%	0	494	-100.0%	38,702	69,872	-44.6%
PORK CUTOUT	0	0	0.0%	0	178	-100.0%	0	0	0.0%	750	181	314.4%
TOTAL FUTURES GROUP												
Interest Rate Futures	468,202	137,810	239.7%	48,859,013	32,029,952	52.5%	5,767,140	3,277,668	76.0%	635,711,356	513,306,563	23.8%
Equity Index Futures	0	0	0.0%	117,453,180	84,922,022	38.3%	0	33,712	-100.0%	1,110,877,745	1,147,685,047	-3.2%
FX Futures	0	0	0.0%	18,294,254	20,895,320	-12.4%	0	36	-100.0%	190,486,358	206,382,606	-7.7%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	2,018,976	1,925,767	4.8%	0	4,710	-100.0%	29,218,909	32,809,548	-10.9%
TOTAL FUTURES	468,202	137,810	239.7%	186,625,423	139,773,061	33.5%	5,767,140	3,316,126	73.9%	1,966,294,368	1,900,183,764	3.5%

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 DEC 2021	Open Outcry DEC 2020	% CHG	ELEC DEC 2021	ELEC DEC 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	21,531,060	10,745,378	100.4%	0	1,658,011	-100.0%	181,940,934	175,661,763	3.6%
Interest Rate Options	13,487,817	4,941,966	172.9%	6,429,650	3,296,375	95.1%	165,267,241	84,683,313	95.2%	87,222,001	157,025,320	-44.5%
FX Options	0	0	0.0%	647,042	663,126	-2.4%	0	4,673	-100.0%	8,386,750	9,966,294	-15.8%
Ag Products Options	0	0	0.0%	429,778	357,550	20.2%	0	111,590	-100.0%	5,485,095	6,610,529	-17.0%
Foreign Exchange Options	0	0	0.0%	6	373	-98.4%	0	0	0.0%	5,109	7,831	-34.8%
TOTAL OPTIONS	13,487,817	4,941,966	172.9%	29,037,536	15,062,802	92.8%	165,267,241	86,457,587	91.2%	283,039,889	349,271,737	-19.0%
TOTAL COMBINED												
Interest Rate	13,956,019	5,079,776	174.7%	55,288,663	35,326,327	56.5%	171,034,381	87,960,981	94.4%	722,933,357	670,331,883	7.8%
Equity Index	0	0	0.0%	138,984,240	95,667,400	45.3%	0	1,691,723	-100.0%	1,292,818,679	1,323,346,810	-2.3%
FX	0	0	0.0%	18,941,296	21,558,446	-12.1%	0	4,709	-100.0%	198,873,108	216,348,900	-8.1%
Foreign Exchange	0	0	0.0%	6	373	-98.4%	0	0	0.0%	5,109	7,831	-34.8%
Ag Products	0	0	0.0%	2,448,754	2,283,317	7.2%	0	116,300	-100.0%	34,704,004	39,420,077	-12.0%
GRAND TOTAL	13,956,019	5,079,776	174.7%	215,662,959	154,835,863	39.3%	171,034,381	89,773,713	90.5%	2,249,334,257	2,249,455,501	0.0%

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.