

## CME Exchange Volume Report - Monthly

	VOLUME DEC 2021	VOLUME DEC 2020	% CHG	VOIUME NOV 2021	% CHG	VOLUME Y.T.D 2021	VOLUME Y.T.D 2020	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	670	0	0.0%	0	0.0%	672	826	-18.6%
EURODOLLARS	43,350,332	30,892,952	40.3%	60,504,873	-28.4%	610,431,078	509,912,503	19.7%
SOFR	6,360,164	1,461,477	335.2%	6,390,593	-0.5%	39,928,510	12,843,811	210.9%
SONIA	1,583	132,578	-98.8%	5,403	-70.7%	805,095	2,007,954	-59.9%
TIIE	54	0	-	39	38.5%	892	0	-
<b>Interest Rate Options</b>								
EURODOLLARS	9,787,076	3,785,897	158.5%	10,402,163	-5.9%	64,034,656	184,852,363	-65.4%
EURO MIDCURVE	11,048,201	4,832,194	128.6%	19,749,050	-44.1%	202,913,484	82,725,939	145.3%
SOFR	204	6,000	-96.6%	15	1,260.0%	8,956	9,124	-1.8%

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<b>Equity Index Futures</b>								
BITCOIN FUTURES	173,229	245,929	-29.6%	203,669	-14.9%	2,528,772	2,221,723	13.8%
E-MINI COM SERVICES SELECT	6,700	6,724	-0.4%	1,901	252.4%	47,889	59,489	-19.5%
E-mini FTSE 100 (USD)	0	0	0.0%	0	-	0	0	0.0%
E-mini FTSE China 50	139	0	0.0%	94	47.9%	898	2	44,800.0%
E-MINI MIDCAP	431,447	488,901	-11.8%	285,053	51.4%	3,328,874	4,532,446	-26.6%
E-MINI NASDAQ 100	14,268,367	9,987,179	42.9%	11,829,145	20.6%	140,406,331	146,717,097	-4.3%
E-MINI RUSSELL 1000	49,964	18,108	175.9%	6,749	640.3%	166,062	106,949	55.3%
E-MINI RUSSELL 1000 GROWTH	13,637	9,647	41.4%	3,078	343.0%	66,580	64,431	3.3%
E-MINI RUSSELL 1000 VALUE	52,649	43,492	21.1%	14,769	256.5%	364,515	157,606	131.3%
E-MINI RUSSELL 2000	6,287,238	4,700,342	33.8%	4,357,838	44.3%	52,080,430	51,918,970	0.3%
E-MINI S&P500	44,601,100	34,202,934	30.4%	29,497,705	51.2%	403,642,202	502,226,732	-19.6%
E-MINI S&P500 ESG	53,212	29,160	82.5%	14,627	263.8%	264,928	137,246	93.0%
E-MINI S&P REAL ESTATE SELE	15,729	10,916	44.1%	2,323	577.1%	108,102	104,879	3.1%
ETHER FUTURES	90,851	0	-	122,342	-25.7%	888,702	0	-
FT-SE 100	819	1	81,800.0%	26	3,050.0%	2,198	9	24,322.2%
FTSE Emerging	0	25	-100.0%	0	0.0%	5	4,798	-99.9%
IBOVESPA INDEX	71	187	-62.0%	266	-73.3%	2,570	4,668	-44.9%
MICRO BITCOIN FUTURES	419,547	0	-	579,892	-27.7%	3,727,727	0	-
MICRO E-MINI NASDAQ 100	24,614,942	16,275,693	51.2%	21,324,242	15.4%	239,115,577	178,531,164	33.9%
MICRO E-MINI RUSSELL 2000	4,073,952	1,982,659	105.5%	3,738,620	9.0%	39,150,463	23,672,428	65.4%
MICRO E-MINI S&P500	21,948,911	16,318,013	34.5%	18,104,077	21.2%	218,602,634	226,808,530	-3.6%
MICRO ETHER FUTURES	208,824	0	-	0	-	208,824	0	-
NASDAQ-100 VOLATILITY	0	6	-100.0%	14	-100.0%	111	23	382.6%
NASDAQ BIOTECH	198	285	-30.5%	53	273.6%	7,335	6,334	15.8%
Nearby BTIC+	650	0	0.0%	0	0.0%	1,106	1,177	-6.0%
NIKKEI 225 (\$) STOCK	154,574	135,014	14.5%	98,152	57.5%	1,589,832	2,260,193	-29.7%
NIKKEI 225 (YEN) STOCK	741,258	641,964	15.5%	654,782	13.2%	8,120,411	11,252,533	-27.8%
S&P 500	137,175	142,283	-3.6%	20,449	570.8%	1,276,005	1,586,027	-19.5%
S&P 500 ANNUAL DIVIDEND IND	74,486	29,489	152.6%	40,589	83.5%	738,840	683,336	8.1%
S&P 500/GI	0	0	0.0%	0	0.0%	0	0	0.0%
S&P 500 QUARLY DIVIDEND IND	8,110	1,890	329.1%	4,560	77.9%	36,459	15,279	138.6%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0.0%	0	3,504	-100.0%
S&P CONSUMER DSCRTNRY SE	17,362	20,898	-16.9%	13,471	28.9%	150,824	125,390	20.3%
S&P CONSUMER STAPLES SECT	45,165	37,851	19.3%	11,829	281.8%	422,640	298,942	41.4%
S&P ENERGY SECTOR	91,311	66,125	38.1%	39,709	130.0%	641,070	426,630	50.3%
S&P FINANCIAL SECTOR	78,807	83,259	-5.3%	33,435	135.7%	743,111	390,959	90.1%
S&P HEALTH CARE SECTOR	61,360	31,347	95.7%	15,511	295.6%	330,229	222,608	48.3%
S&P INDUSTRIAL SECTOR	41,129	52,094	-21.0%	7,723	432.6%	297,648	246,340	20.8%
S&P MATERIALS SECTOR	33,803	25,482	32.7%	10,770	213.9%	183,113	126,473	44.8%
S&P TECHNOLOGY SECTOR	40,152	27,122	48.0%	11,300	255.3%	207,368	197,801	4.8%
S&P UTILITIES SECTOR	52,692	49,126	7.3%	20,409	158.2%	396,979	329,203	20.6%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0.0%	2,480	0	0.0%
WATER INDEX FUTURES	39	94	-58.5%	1	3,800.0%	986	94	948.9%
YEN DENOMINATED TOPIX	3,883	1,672	132.2%	4,039	-3.9%	31,216	77,860	-59.9%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	1,929	3,476	-44.5%	1,634	18.1%	17,591	37,332	-52.9%
E-MINI NASDAQ 100	689,271	262,327	162.8%	643,663	7.1%	6,981,883	4,029,014	73.3%
E-MINI RUSSELL 2000	46,727	16,753	178.9%	62,809	-25.6%	386,423	230,424	67.7%
E-MINI S&P500	11,344,349	5,917,491	91.7%	9,503,775	19.4%	83,666,476	84,727,423	-1.3%
EOM E-MINI RUSSELL 2000 END	36,820	19,353	90.3%	25,721	43.2%	268,359	116,366	130.6%
EOM EMINI S&P	2,953,733	1,242,052	137.8%	2,623,340	12.6%	25,489,439	23,023,550	10.7%
EOM S&P 500	19,000	48,276	-60.6%	0	0.0%	328,253	677,084	-51.5%
EOW1 E-MINI RUSSELL 2000 WE	13,502	2,406	461.2%	20,087	-32.8%	144,857	50,285	188.1%
EOW1 EMINI S&P 500	2,091,839	392,686	432.7%	1,617,389	29.3%	14,045,723	12,023,282	16.8%
EOW1 S&P 500	0	16,225	-100.0%	0	0.0%	227,840	454,185	-49.8%
EOW2 E-MINI RUSSELL 2000 WE	14,986	7,888	90.0%	16,537	-9.4%	164,102	80,323	104.3%
EOW2 EMINI S&P 500	1,894,415	941,003	101.3%	1,528,211	24.0%	14,775,124	12,873,879	14.8%
EOW2 S&P 500	0	48,179	-100.0%	0	0.0%	397,309	841,218	-52.8%
EOW3 E-MINI RUSSELL 2000 WE	34,538	14,679	135.3%	38,925	-11.3%	387,324	205,288	88.7%
EOW3 EMINI S&P 500	1,932,609	1,236,307	56.3%	2,537,299	-23.8%	26,797,698	27,386,900	-2.2%
EOW3 S&P 500	0	13,650	-100.0%	0	0.0%	260,587	693,405	-62.4%
EOW4 E-MINI RUSSELL 2000 WE	13,839	6,220	122.5%	14,631	-5.4%	176,716	46,721	278.2%
EOW4 EMINI S&P 500	1,547,294	588,852	162.8%	1,252,028	23.6%	11,968,840	10,270,410	16.5%
MICRO E-MINI NASDAQ	16,569	2,460	573.5%	8,191	102.3%	80,775	6,839	1,081.1%
MICRO E-MINI NASDAQ 100	15,553	0	-	8,936	74.0%	27,695	0	-
MICRO E-MINI NASDAQ END OF	13,748	1,684	716.4%	8,941	53.8%	98,521	6,505	1,414.5%
MICRO E-MINI NASDAQ WEEKLY	32,583	4,268	663.4%	29,438	10.7%	263,353	25,079	950.1%
MICRO E-MINI S&P 500	71,505	22,233	221.6%	41,537	72.1%	392,204	86,488	353.5%
MICRO E-MINI S&P 500 END OF	63,425	16,617	281.7%	58,862	7.8%	506,591	113,327	347.0%
MICRO E-MINI S&P 500 WEEKLY	139,267	46,470	199.7%	147,115	-5.3%	1,179,998	331,258	256.2%
S&P 500	0	162,388	-100.0%	0	0.0%	1,302,305	1,644,423	-20.8%
<b>FX Futures</b>								
AD/CD CROSS RATES	74	12	516.7%	0	0.0%	300	222	35.1%
AD/JY CROSS RATES	3,883	1,873	107.3%	3,139	23.7%	30,255	29,986	0.9%
AD/NE CROSS RATES	349	278	25.5%	507	-31.2%	4,030	3,504	15.0%
AUSTRALIAN DOLLAR	2,112,336	2,337,311	-9.6%	1,825,027	15.7%	24,590,713	25,910,300	-5.1%
BP/JY CROSS RATES	4,226	3,067	37.8%	2,498	69.2%	34,547	38,953	-11.3%
BP/SF CROSS RATES	5,807	695	735.5%	1,391	317.5%	17,832	5,042	253.7%
BRAZIL REAL	269,910	205,280	31.5%	229,473	17.6%	3,012,135	2,633,343	14.4%
BRITISH POUND	2,479,942	3,325,490	-25.4%	2,050,731	20.9%	24,246,009	27,991,765	-13.4%
CANADIAN DOLLAR	1,895,848	1,895,192	0.0%	1,566,495	21.0%	20,102,474	19,466,442	3.3%
CD/JY CROSS RATES	52	11	372.7%	601	-91.3%	3,359	609	451.6%
CHINESE RENMINBI (CNH)	21,882	35,935	-39.1%	16,254	34.6%	203,063	277,829	-26.9%
CZECK KORUNA (EC)	0	4	-100.0%	0	0.0%	8	30	-73.3%
CZECK KORUNA (US)	0	0	0.0%	4	-100.0%	12	2	500.0%
EC/AD CROSS RATES	8,477	14,816	-42.8%	3,762	125.3%	63,531	85,675	-25.8%
EC/CD CROSS RATES	19,136	9,635	98.6%	4,358	339.1%	94,179	55,827	68.7%
EC/NOK CROSS RATES	1,161	559	107.7%	190	511.1%	10,286	2,537	305.4%
EC/SEK CROSS RATES	2,622	1,404	86.8%	355	638.6%	9,362	8,089	15.7%
EFX/BP CROSS RATES	128,563	120,437	6.7%	37,727	240.8%	750,473	825,490	-9.1%
EFX/JY CROSS RATES	102,321	77,429	32.1%	39,436	159.5%	594,148	692,255	-14.2%
EFX/SF CROSS RATES	68,307	43,929	55.5%	25,738	165.4%	348,642	430,341	-19.0%
E-MICRO USD/CAD	900	0	-	490	83.7%	3,094	0	-

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<b>FX Futures</b>								
E-MICRO USD/CHF	111	0	-	49	126.5%	243	0	-
E-MICRO USD/JPY	3,638	0	-	5,033	-27.7%	11,592	0	-
E-MINI EURO FX	133,692	218,618	-38.8%	109,017	22.6%	1,437,820	1,917,534	-25.0%
E-MINI JAPANESE YEN	5,184	9,129	-43.2%	8,505	-39.0%	106,465	232,932	-54.3%
EURO FX	5,123,754	5,870,856	-12.7%	3,940,789	30.0%	49,200,550	55,419,194	-11.2%
HUNGARIAN FORINT (EC)	0	0	0.0%	22	-100.0%	40	11	263.6%
HUNGARIAN FORINT (US)	10	25	-60.0%	6	66.7%	187	214	-12.6%
INDIAN RUPEE	18,786	21,038	-10.7%	17,525	7.2%	179,815	317,569	-43.4%
JAPANESE YEN	2,377,560	2,597,278	-8.5%	2,484,993	-4.3%	27,101,037	28,945,380	-6.4%
KOREAN WON	1,471	3,105	-52.6%	1,024	43.7%	21,722	13,713	58.4%
MEXICAN PESO	1,150,833	1,498,883	-23.2%	1,115,923	3.1%	13,312,948	14,804,097	-10.1%
MICRO AUD/USD	317,005	261,617	21.2%	314,611	0.8%	2,698,006	2,970,125	-9.2%
MICRO CAD/USD	68,575	32,267	112.5%	55,396	23.8%	687,105	360,021	90.9%
MICRO CHF/USD	8,173	10,126	-19.3%	10,691	-23.6%	105,662	62,071	70.2%
MICRO EUR/USD	574,447	614,152	-6.5%	580,150	-1.0%	5,958,190	6,046,141	-1.5%
MICRO GBP/USD	109,113	152,957	-28.7%	146,207	-25.4%	1,025,415	933,208	9.9%
MICRO INR/USD	709	2,212	-67.9%	738	-3.9%	18,981	26,073	-27.2%
MICRO JPY/USD	47,740	29,039	64.4%	86,243	-44.6%	480,037	348,677	37.7%
MICRO USD/CNH	0	0	-	0	0.0%	36	0	-
NEW ZEALND DOLLAR	549,990	710,680	-22.6%	493,335	11.5%	7,032,914	7,508,683	-6.3%
NKR/USD CROSS RATE	5,680	11,736	-51.6%	3,861	47.1%	65,392	70,922	-7.8%
POLISH ZLOTY (EC)	406	148	174.3%	26	1,461.5%	1,846	740	149.5%
POLISH ZLOTY (US)	2,229	1,344	65.8%	808	175.9%	12,274	10,558	16.3%
RMB USD	0	0	0.0%	0	0.0%	3	5	-40.0%
RUSSIAN RUBLE	229,746	167,092	37.5%	174,114	32.0%	1,517,159	1,413,763	7.3%
S.AFRICAN RAND	96,552	87,609	10.2%	75,786	27.4%	773,408	932,704	-17.1%
SF/JY CROSS RATES	65	4	1,525.0%	50	30.0%	660	295	123.7%
SHEKEL	21	10	110.0%	25	-16.0%	80	144	-44.4%
SKR/USD CROSS RATES	6,264	10,884	-42.4%	4,910	27.6%	69,750	69,290	0.7%
SWISS FRANC	516,083	619,255	-16.7%	543,363	-5.0%	5,984,781	6,906,078	-13.3%
TURKISH LIRA	175	52	236.5%	6	2,816.7%	1,066	9,330	-88.6%
USDZAR	6	0	0.0%	1,207	-99.5%	1,285	0	0.0%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	209	951	-78.0%	1,969	-89.4%	6,832	4,522	51.1%
AUD/USD MONDAY OPTION WEE	489	1,220	-59.9%	150	226.0%	5,115	2,903	76.2%
AUD/USD MONDAY OPTION WEE	95	0	0.0%	153	-37.9%	4,732	2,940	61.0%
AUD/USD MONDAY OPTION WEE	451	85	430.6%	12	3,658.3%	4,975	2,426	105.1%
AUD/USD MONDAY OPTION WEE	0	0	0.0%	986	-100.0%	2,356	798	195.2%
AUD/USD MONTHLY OPTIONS	72,795	42,698	70.5%	82,580	-11.8%	1,023,942	823,799	24.3%
AUD/USD WKLY FRIDAY OPTION	0	561	-100.0%	0	0.0%	7,231	6,144	17.7%
AUD/USD WKLY FRIDAY OPTION	2,353	2,317	1.6%	3,424	-31.3%	22,702	44,211	-48.7%
AUD/USD WKLY FRIDAY OPTION	2,753	2,643	4.2%	2,484	10.8%	32,929	41,552	-20.8%
AUD/USD WKLY FRIDAY OPTION	1,557	1,346	15.7%	4,213	-63.0%	35,587	44,898	-20.7%
AUD/USD WKLY FRIDAY OPTION	883	271	225.8%	496	78.0%	10,020	17,892	-44.0%
AUD/USD WKLY WED OPTIONS -	329	521	-36.9%	1,083	-69.6%	14,507	14,688	-1.2%
AUD/USD WKLY WED OPTIONS -	177	908	-80.5%	344	-48.5%	8,667	17,414	-50.2%
AUD/USD WKLY WED OPTIONS -	464	842	-44.9%	71	553.5%	3,603	9,624	-62.6%
AUD/USD WKLY WED OPTIONS -	786	1,261	-37.7%	516	52.3%	10,371	16,586	-37.5%
AUD/USD WKLY WED OPTIONS -	269	912	-70.5%	0	0.0%	2,254	6,903	-67.3%

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<b>FX Options</b>								
BRL/USD MONTHLY OPTIONS	1,068	22	4,754.5%	697	53.2%	5,056	707	615.1%
CAD/USD MONDAY OPTIONS WE	1,276	2,082	-38.7%	1,444	-11.6%	11,615	5,247	121.4%
CAD/USD MONDAY OPTIONS WE	1,570	100	1,470.0%	708	121.8%	17,998	2,423	642.8%
CAD/USD MONDAY OPTIONS WE	394	130	203.1%	378	4.2%	11,076	8,954	23.7%
CAD/USD MONDAY OPTIONS WE	379	850	-55.4%	386	-1.8%	23,272	6,122	280.1%
CAD/USD MONDAY OPTIONS WE	3	0	0.0%	1,224	-99.8%	4,374	3,435	27.3%
CAD/USD MONTHLY OPTIONS	107,459	38,493	179.2%	76,946	39.7%	983,511	548,548	79.3%
CAD/USD WKLY FRIDAY OPTION	0	2,977	-100.0%	0	0.0%	27,536	15,410	78.7%
CAD/USD WKLY FRIDAY OPTION	3,278	3,763	-12.9%	8,738	-62.5%	57,780	70,979	-18.6%
CAD/USD WKLY FRIDAY OPTION	5,714	8,222	-30.5%	7,869	-27.4%	90,313	78,825	14.6%
CAD/USD WKLY FRIDAY OPTION	4,777	4,348	9.9%	4,806	-0.6%	105,493	81,964	28.7%
CAD/USD WKLY FRIDAY OPTION	5,265	322	1,535.1%	120	4,287.5%	33,712	31,885	5.7%
CAD/USD WKLY WED OPTIONS -	1,400	1,531	-8.6%	2,089	-33.0%	24,681	25,598	-3.6%
CAD/USD WKLY WED OPTIONS -	760	464	63.8%	2,043	-62.8%	21,174	18,412	15.0%
CAD/USD WKLY WED OPTIONS -	3,184	815	290.7%	4,169	-23.6%	31,020	21,090	47.1%
CAD/USD WKLY WED OPTIONS -	1,942	920	111.1%	945	105.5%	29,228	26,741	9.3%
CAD/USD WKLY WED OPTIONS -	655	1,299	-49.6%	0	0.0%	10,190	9,498	7.3%
CHF/USD MONTHLY OPTIONS	21,661	2,435	789.6%	5,493	294.3%	82,630	42,706	93.5%
CHF/USD WKLY FRIDAY OPTION	0	22	-100.0%	0	0.0%	411	161	155.3%
CHF/USD WKLY FRIDAY OPTION	272	9	2,922.2%	1,091	-75.1%	3,655	2,252	62.3%
CHF/USD WKLY FRIDAY OPTION	99	59	67.8%	83	19.3%	2,064	1,354	52.4%
CHF/USD WKLY FRIDAY OPTION	382	7	5,357.1%	377	1.3%	3,190	1,456	119.1%
CHF/USD WKLY FRIDAY OPTION	22	0	0.0%	3	633.3%	307	1,824	-83.2%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0.0%	6	0	0.0%
EUR/GBP WKLY FRIDAY OPTION	0	250	-100.0%	100	-100.0%	100	250	-60.0%
EUR/USD MONDAY OPTION WEE	2,307	3,964	-41.8%	785	193.9%	24,524	22,580	8.6%
EUR/USD MONDAY OPTION WEE	2,814	4,292	-34.4%	714	294.1%	26,452	20,278	30.4%
EUR/USD MONDAY OPTION WEE	823	5,190	-84.1%	1,165	-29.4%	17,576	25,144	-30.1%
EUR/USD MONDAY OPTION WEE	917	751	22.1%	5,524	-83.4%	34,405	21,849	57.5%
EUR/USD MONDAY OPTION WEE	51	0	0.0%	3,149	-98.4%	9,145	9,785	-6.5%
EUR/USD MONTHLY OPTIONS	153,855	198,734	-22.6%	215,755	-28.7%	2,407,836	3,209,818	-25.0%
EUR/USD WKLY FRIDAY OPTION	0	6,339	-100.0%	0	0.0%	50,664	35,651	42.1%
EUR/USD WKLY FRIDAY OPTION	18,614	15,001	24.1%	30,613	-39.2%	178,341	219,397	-18.7%
EUR/USD WKLY FRIDAY OPTION	22,259	20,330	9.5%	33,627	-33.8%	258,168	239,059	8.0%
EUR/USD WKLY FRIDAY OPTION	19,446	10,067	93.2%	16,656	16.8%	225,328	248,198	-9.2%
EUR/USD WKLY FRIDAY OPTION	11,185	521	2,046.8%	163	6,762.0%	97,121	80,607	20.5%
EUR/USD WKLY WED OPTIONS -	3,092	5,589	-44.7%	8,027	-61.5%	78,209	114,044	-31.4%
EUR/USD WKLY WED OPTIONS -	5,931	7,992	-25.8%	9,353	-36.6%	85,652	95,697	-10.5%
EUR/USD WKLY WED OPTIONS -	4,360	11,036	-60.5%	9,834	-55.7%	82,592	96,784	-14.7%
EUR/USD WKLY WED OPTIONS -	2,734	9,479	-71.2%	10,856	-74.8%	103,414	94,622	9.3%
EUR/USD WKLY WED OPTIONS -	2,023	9,881	-79.5%	0	0.0%	27,415	44,031	-37.7%
GBP/USD MONDAY OPTION WEE	2,581	5,669	-54.5%	239	979.9%	8,020	12,806	-37.4%
GBP/USD MONDAY OPTION WEE	990	464	113.4%	729	35.8%	8,967	6,536	37.2%
GBP/USD MONDAY OPTION WEE	250	431	-42.0%	1,948	-87.2%	6,229	9,670	-35.6%
GBP/USD MONDAY OPTION WEE	130	456	-71.5%	3,233	-96.0%	10,718	12,508	-14.3%
GBP/USD MONDAY OPTION WEE	0	0	0.0%	584	-100.0%	3,038	1,814	67.5%
GBP/USD MONTHLY OPTIONS	58,829	144,296	-59.2%	72,330	-18.7%	875,040	1,156,868	-24.4%
GBP/USD WKLY FRIDAY OPTION	0	1,989	-100.0%	0	0.0%	12,507	12,476	0.2%
GBP/USD WKLY FRIDAY OPTION	1,977	3,244	-39.1%	7,720	-74.4%	35,033	41,709	-16.0%
GBP/USD WKLY FRIDAY OPTION	2,559	8,985	-71.5%	4,994	-48.8%	38,632	52,773	-26.8%
GBP/USD WKLY FRIDAY OPTION	3,388	3,679	-7.9%	3,754	-9.7%	45,014	41,256	9.1%

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 Report - Monthly

	VOLUME DEC 2021	VOLUME DEC 2020	% CHG	VOIUME NOV 2021	% CHG	VOLUME Y.T.D 2021	VOLUME Y.T.D 2020	% CHG
<b>FX Options</b>								
GBP/USD WKLY FRIDAY OPTION	2,544	4	63,500.0%	503	405.8%	14,104	16,666	-15.4%
GBP/USD WKLY WED OPTIONS -	1,669	15	11,026.7%	1,288	29.6%	15,158	19,135	-20.8%
GBP/USD WKLY WED OPTIONS -	145	2,430	-94.0%	1,383	-89.5%	8,711	14,984	-41.9%
GBP/USD WKLY WED OPTIONS -	2,367	634	273.3%	2,656	-10.9%	11,794	19,335	-39.0%
GBP/USD WKLY WED OPTIONS -	1,322	2,401	-44.9%	3,775	-65.0%	17,575	16,998	3.4%
GBP/USD WKLY WED OPTIONS -	582	481	21.0%	0	0.0%	3,173	7,661	-58.6%
JPY/USD MONDAY OPTION WEE	169	954	-82.3%	121	39.7%	4,642	9,849	-52.9%
JPY/USD MONDAY OPTION WEE	1,452	734	97.8%	136	967.6%	7,599	15,103	-49.7%
JPY/USD MONDAY OPTION WEE	40	465	-91.4%	208	-80.8%	4,140	9,233	-55.2%
JPY/USD MONDAY OPTION WEE	91	604	-84.9%	640	-85.8%	5,010	9,005	-44.4%
JPY/USD MONDAY OPTION WEE	3	0	0.0%	200	-98.5%	2,900	2,939	-1.3%
JPY/USD MONTHLY OPTIONS	116,215	59,110	96.6%	92,479	25.7%	1,089,099	1,349,527	-19.3%
JPY/USD WKLY FRIDAY OPTION	0	3,033	-100.0%	0	0.0%	28,897	20,575	40.4%
JPY/USD WKLY FRIDAY OPTION	15,475	6,680	131.7%	17,647	-12.3%	85,813	127,480	-32.7%
JPY/USD WKLY FRIDAY OPTION	7,984	12,903	-38.1%	13,707	-41.8%	120,853	142,995	-15.5%
JPY/USD WKLY FRIDAY OPTION	8,378	5,984	40.0%	8,335	0.5%	109,655	131,013	-16.3%
JPY/USD WKLY FRIDAY OPTION	5,525	374	1,377.3%	310	1,682.3%	42,522	49,041	-13.3%
JPY/USD WKLY WED OPTIONS -	2,634	638	312.9%	5,984	-56.0%	36,929	54,310	-32.0%
JPY/USD WKLY WED OPTIONS -	4,587	2,213	107.3%	6,053	-24.2%	47,994	45,877	4.6%
JPY/USD WKLY WED OPTIONS -	4,928	1,532	221.7%	7,142	-31.0%	46,867	51,868	-9.6%
JPY/USD WKLY WED OPTIONS -	3,139	3,245	-3.3%	7,049	-55.5%	42,073	55,502	-24.2%
JPY/USD WKLY WED OPTIONS -	2,625	843	211.4%	0	0.0%	12,504	14,561	-14.1%
MXN/USD MONTHLY OPTIONS	20,350	397	5,025.9%	972	1,993.6%	35,904	19,531	83.8%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	4,413	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	486	-100.0%	300	-100.0%	904	3,274	-72.4%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	552	2,174	-74.6%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	631	3,159	-80.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	152	-100.0%
NZD/USD MONTHLY OPTIONS	13	19	-31.6%	587	-97.8%	2,661	4,984	-46.6%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	50	-100.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	67	0	0.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	375	-100.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
RUB/USD MONTHLY OPTIONS	0	67	-100.0%	0	0.0%	68	636	-89.3%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	0.0%	0	-	0	0	0.0%
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	6	373	-98.4%	570	-98.9%	5,109	8,831	-42.1%



## CME Exchange Volume Report - Monthly

	VOLUME DEC 2021	VOLUME DEC 2020	% CHG	VOIUME NOV 2021	% CHG	VOLUME Y.T.D 2021	VOLUME Y.T.D 2020	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	857	293	192.5%	270	217.4%	8,987	2,973	202.3%
BUTTER CS	7,212	6,275	14.9%	3,881	85.8%	52,208	70,339	-25.8%
CASH-SETTLED CHEESE	9,628	16,673	-42.3%	15,286	-37.0%	142,438	163,188	-12.7%
CAT ASIA WEATHER	0	0	0.0%	0	0.0%	1,200	7,800	-84.6%
CATTLE	955,280	905,905	5.5%	1,274,084	-25.0%	13,943,086	16,138,757	-13.6%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0.0%	500	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	6,275	750	736.7%
CDD WEATHER	0	0	0.0%	0	0.0%	9,325	9,650	-3.4%
CLASS IV MILK	5,264	767	586.3%	4,024	30.8%	23,260	26,575	-12.5%
DRY WHEY	1,537	2,762	-44.4%	1,565	-1.8%	22,952	18,683	22.8%
FEEDER CATTLE	237,760	245,495	-3.2%	234,357	1.5%	3,067,931	3,225,559	-4.9%
GOLDMAN SACHS	3,499	12,797	-72.7%	5,090	-31.3%	96,610	174,903	-44.8%
GSCI EXCESS RETURN FUT	117,324	94,513	24.1%	4,542	2,483.1%	495,114	378,879	30.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	500	0	0.0%
HDD WEATHER	5,625	4,650	21.0%	3,300	70.5%	29,575	40,475	-26.9%
HDD WEATHER EUROPEAN	500	1,600	-68.8%	4,500	-88.9%	11,850	4,050	192.6%
HOGS	752,654	682,807	10.2%	968,964	-22.3%	11,411,698	12,396,409	-7.9%
HOUSING INDEX	14	6	133.3%	20	-30.0%	166	270	-38.5%
LUMBER	9,801	14,136	-30.7%	7,368	33.0%	116,077	156,025	-25.6%
MALAYSIAN PALM SWAP	240	4,680	-94.9%	1,890	-87.3%	90,186	50,472	78.7%
MILK	31,501	39,179	-19.6%	32,169	-2.1%	309,120	428,640	-27.9%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	5,917	5,104	15.9%	5,510	7.4%	67,109	92,417	-27.4%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	1,000	1,300	-23.1%
PORK CUTOUT	2,172	2,056	5.6%	2,221	-2.2%	28,554	4,423	545.6%
S&P GSCI ENHANCED ER SWAP	2,002	4,763	-58.0%	0	0.0%	8,008	27,335	-70.7%
USD CRUDE PALM OIL	17,780	4,109	332.7%	29,262	-39.2%	123,250	38,341	221.5%

## CME Exchange Volume Report - Monthly

	VOLUME DEC 2021	VOLUME DEC 2020	% CHG	VOIUME NOV 2021	% CHG	VOLUME Y.T.D 2021	VOLUME Y.T.D 2020	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	40	290	-86.2%	0	0.0%	3,169	8,698	-63.6%
BUTTER CS	3,495	2,276	53.6%	1,862	87.7%	25,410	33,183	-23.4%
CASH-SETTLED CHEESE	7,031	13,355	-47.4%	5,395	30.3%	76,619	140,458	-45.5%
CATTLE	167,579	175,784	-4.7%	240,347	-30.3%	2,301,386	2,672,920	-13.9%
CAT WEATHER EUROPEAN	0	0	0.0%	0	-	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	8,450	2,000	322.5%
CDD WEATHER	0	0	-	0	0.0%	6,250	0	-
CLASS IV MILK	10,016	1,496	569.5%	7,926	26.4%	57,401	47,971	19.7%
DRY WHEY	20	519	-96.1%	225	-91.1%	2,003	5,943	-66.3%
FEEDER CATTLE	24,247	18,508	31.0%	27,536	-11.9%	267,836	297,898	-10.1%
HDD EURO SEASONAL STRIP	0	1,000	-100.0%	0	0.0%	2,000	7,000	-71.4%
HDD SEASONAL STRIP	0	2,500	-100.0%	0	0.0%	28,920	6,000	382.0%
HDD WEATHER	0	750	-100.0%	0	0.0%	7,250	6,225	16.5%
HDD WEATHER EUROPEAN	0	500	-100.0%	2,000	-100.0%	24,250	500	4,750.0%
HOGS	180,843	114,121	58.5%	180,804	0.0%	2,416,561	2,928,722	-17.5%
HOUSING INDEX	0	0	0.0%	0	0.0%	0	0	0.0%
LUMBER	689	1,011	-31.8%	539	27.8%	8,337	10,497	-20.6%
LV CATL CSO	0	0	0.0%	0	0.0%	0	0	0.0%
MILK	38,913	32,734	18.9%	25,080	55.2%	325,271	532,056	-38.9%
MLK MID OPTIONS	4	12	-66.7%	12	-66.7%	32	136	-76.5%
NFD MILK	3,631	3,836	-5.3%	2,995	21.2%	47,259	86,242	-45.2%
PORK CUTOUT	0	178	-100.0%	0	0.0%	750	181	314.4%



## CME Exchange Volume Report - Monthly

	VOLUME DEC 2021	VOLUME DEC 2020	% CHG	VOIUME NOV 2021	% CHG	VOLUME Y.T.D 2021	VOLUME Y.T.D 2020	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	49,712,803	32,487,007	53.0%	66,900,908	-25.7%	651,166,247	524,765,094	24.1%
Equity Index Futures	118,893,482	85,665,911	38.8%	91,073,212	30.5%	1,119,882,046	1,155,519,873	-3.1%
FX Futures	18,473,814	21,003,473	-12.0%	15,982,589	15.6%	191,924,921	207,777,713	-7.6%
Foreign Exchange Futures	0	0	0.0%	0	-	0	0	0.0%
Ag Products Futures	2,166,567	2,048,570	5.8%	2,598,303	-16.6%	30,066,979	33,458,213	-10.1%
<b>TOTAL FUTURES</b>	<b>189,246,666</b>	<b>141,204,961</b>	<b>34.0%</b>	<b>176,555,012</b>	<b>7.2%</b>	<b>1,993,040,193</b>	<b>1,921,520,893</b>	<b>3.7%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	22,987,501	11,033,943	108.3%	20,189,069	13.9%	190,335,986	179,981,008	5.8%
Interest Rate Options	20,835,481	8,624,091	141.6%	30,151,228	-30.9%	266,957,096	267,587,426	-0.2%
FX Options	768,522	710,281	8.2%	831,417	-7.6%	9,325,054	10,211,506	-8.7%
Ag Products Options	436,508	368,870	18.3%	494,721	-11.8%	5,609,154	6,786,630	-17.3%
Foreign Exchange Options	6	373	-98.4%	570	-98.9%	5,109	8,831	-42.1%
<b>TOTAL OPTIONS</b>	<b>45,028,018</b>	<b>20,737,558</b>	<b>117.1%</b>	<b>51,667,005</b>	<b>-12.8%</b>	<b>472,232,399</b>	<b>464,575,401</b>	<b>1.6%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	70,548,284	41,111,098	71.6%	97,052,136	-27.3%	918,123,343	792,352,520	15.9%
Equity Index	141,880,983	96,699,854	46.7%	111,262,281	27.5%	1,310,218,032	1,335,500,881	-1.9%
FX	19,242,336	21,713,754	-11.4%	16,814,006	14.4%	201,249,975	217,989,219	-7.7%
Foreign Exchange	6	373	-98.4%	570	-98.9%	5,109	8,831	-42.1%
Ag Products	2,603,075	2,417,440	7.7%	3,093,024	-15.8%	35,676,133	40,244,843	-11.4%
<b>GRAND TOTAL</b>	<b>234,274,684</b>	<b>161,942,519</b>	<b>44.7%</b>	<b>228,222,017</b>	<b>2.7%</b>	<b>2,465,272,592</b>	<b>2,386,096,294</b>	<b>3.3%</b>