



CME Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2021	Open Outcry NOV 2020	% CHG	ELEC NOV 2021	ELEC NOV 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%	0	0	0.0%	0	0	0.0%	2	826	-99.8%
EURODOLLARS	748,494	193,976	285.9%	58,993,108	38,919,135	51.6%	5,298,938	3,139,858	68.8%	553,044,269	468,494,430	18.0%
SOFR	0	0	0.0%	6,354,343	1,689,834	276.0%	0	0	0.0%	33,003,742	10,905,979	202.6%
SONIA	0	0	0.0%	5,403	201,932	-97.3%	0	0	0.0%	803,512	1,875,376	-57.2%
TIIE	0	-	-	39	-	-	0	-	-	818	-	-
Interest Rate Options												
EURODOLLARS	6,461,923	2,716,933	137.8%	3,400,734	1,968,878	72.7%	34,159,511	55,478,560	-38.4%	17,979,963	104,682,293	-82.8%
EURO MIDCURVE	11,295,273	3,973,344	184.3%	7,157,925	2,736,925	161.5%	117,612,603	24,262,777	384.7%	62,810,946	49,043,538	28.1%
SOFR	0	0	0.0%	15	2,002	-99.3%	7,310	10	73,000.0%	1,442	3,114	-53.7%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	192,986	227,260	-15.1%	0	0	0.0%	2,329,055	1,969,054	18.3%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,601	1,801	-11.1%	0	0	0.0%	29,251	25,584	14.3%
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%	94	0	0.0%	0	0	0.0%	759	2	37,850.0%
E-MINI MIDCAP	0	0	0.0%	282,904	248,875	13.7%	0	0	0.0%	2,847,460	3,927,025	-27.5%
E-MINI NASDAQ 100	0	0	0.0%	11,762,671	10,297,922	14.2%	0	0	0.0%	125,403,409	135,971,821	-7.8%
E-MINI RUSSELL 1000	0	0	0.0%	2,443	1,413	72.9%	0	0	0.0%	47,087	36,264	29.8%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,215	1,899	16.6%	0	0	0.0%	33,604	31,075	8.1%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	6,033	6,017	0.3%	0	0	0.0%	83,880	65,214	28.6%
E-MINI RUSSELL 2000	0	0	0.0%	4,283,143	3,378,877	26.8%	0	0	0.0%	44,953,808	46,376,740	-3.1%
E-MINI S&P500	0	0	0.0%	29,093,730	30,990,469	-6.1%	0	0	0.0%	356,576,880	465,525,551	-23.4%
E-MINI S&P500 ESG	0	0	0.0%	10,396	16,327	-36.3%	0	0	0.0%	143,045	75,135	90.4%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,065	1,931	6.9%	0	0	0.0%	45,390	51,775	-12.3%
ETHER FUTURES	0	-	-	121,928	-	-	0	-	-	796,866	-	-
FT-SE 100	0	0	0.0%	26	8	225.0%	0	0	0.0%	284	8	3,450.0%
FTSE Emerging	0	0	0.0%	0	30	-100.0%	0	0	0.0%	5	4,773	-99.9%
IBOVESPA INDEX	0	0	0.0%	266	143	86.0%	0	0	0.0%	2,499	4,481	-44.2%
MICRO BITCOIN FUTURES	0	-	-	579,866	-	-	0	-	-	3,307,940	-	-
MICRO E-MINI NASDAQ 100	0	0	0.0%	21,324,242	20,097,956	6.1%	0	0	0.0%	214,500,635	162,255,471	32.2%

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Equity Index Futures												
MICRO E-MINI RUSSELL 2000	0	0	0.0%	3,738,620	1,719,147	117.5%	0	0	0.0%	35,076,511	21,689,769	61.7%
MICRO E-MINI S&P500	0	0	0.0%	18,104,077	20,549,363	-11.9%	0	0	0.0%	196,653,723	210,490,517	-6.6%
NASDAQ-100 VOLATILITY	0	0	0.0%	14	6	133.3%	0	0	0.0%	111	17	552.9%
NASDAQ BIOTECH	0	0	0.0%	53	325	-83.7%	0	0	0.0%	5,624	5,270	6.7%
Nearby BTIC+	0	0	0.0%	0	0	0.0%	0	0	0.0%	456	200	128.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	98,152	152,649	-35.7%	0	0	0.0%	1,428,930	2,125,179	-32.8%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	654,782	815,551	-19.7%	0	0	0.0%	7,376,114	10,596,435	-30.4%
S&P 500	0	0	0.0%	449	339	32.4%	0	33,712	-100.0%	13,236	20,841	-36.5%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	14,047	16,646	-15.6%	0	0	0.0%	150,355	245,022	-38.6%
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%	160	1,084	-85.2%	0	0	0.0%	1,024	9,639	-89.4%
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%	10,832	7,998	35.4%	0	0	0.0%	106,936	79,678	34.2%
S&P CONSUMER STAPLES SE	0	0	0.0%	7,959	7,673	3.7%	0	0	0.0%	181,374	127,901	41.8%
S&P ENERGY SECTOR	0	0	0.0%	21,956	28,063	-21.8%	0	0	0.0%	299,770	213,383	40.5%
S&P FINANCIAL SECTOR	0	0	0.0%	20,857	21,087	-1.1%	0	0	0.0%	328,787	197,034	66.9%
S&P HEALTH CARE SECTOR	0	0	0.0%	11,707	14,152	-17.3%	0	0	0.0%	165,740	140,670	17.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,998	9,992	-40.0%	0	0	0.0%	109,387	99,632	9.8%
S&P MATERIALS SECTOR	0	0	0.0%	5,074	5,654	-10.3%	0	0	0.0%	91,149	56,701	60.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	8,247	8,636	-4.5%	0	0	0.0%	126,298	117,702	7.3%
S&P UTILITIES SECTOR	0	0	0.0%	16,313	10,080	61.8%	0	0	0.0%	178,903	151,274	18.3%
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	-	-	1	-	-	0	-	-	947	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	4,039	5,783	-30.2%	0	0	0.0%	27,333	76,188	-64.1%

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Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,233	2,135	-42.2%	0	0	0.0%	12,548	16,550	-24.2%
E-MINI NASDAQ 100	0	0	0.0%	643,663	310,188	107.5%	0	0	0.0%	6,292,612	3,766,687	67.1%
E-MINI RUSSELL 2000	0	0	0.0%	59,509	37,651	58.1%	0	0	0.0%	336,396	213,671	57.4%
E-MINI S&P500	0	0	0.0%	8,694,382	5,314,982	63.6%	0	250	-100.0%	70,073,990	78,809,682	-11.1%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	25,721	7,807	229.5%	0	0	0.0%	231,539	97,013	138.7%
EOM EMINI S&P	0	0	0.0%	2,474,645	1,229,216	101.3%	0	0	0.0%	21,951,890	21,781,498	0.8%
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%	20,087	3,422	487.0%	0	0	0.0%	131,355	47,879	174.3%
EOW1 EMINI S&P 500	0	0	0.0%	1,496,207	1,031,094	45.1%	0	0	0.0%	11,557,851	11,630,596	-0.6%
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%	16,537	5,706	189.8%	0	0	0.0%	149,116	72,435	105.9%
EOW2 EMINI S&P 500	0	0	0.0%	1,394,683	1,006,131	38.6%	0	0	0.0%	12,449,419	11,932,876	4.3%
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%	38,925	15,471	151.6%	0	0	0.0%	352,786	190,609	85.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,352,269	1,755,216	34.0%	0	0	0.0%	24,287,132	26,150,593	-7.1%
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%	14,631	4,009	265.0%	0	0	0.0%	162,877	40,501	302.2%
EOW4 EMINI S&P 500	0	0	0.0%	1,207,914	516,251	134.0%	0	0	0.0%	10,221,518	9,681,558	5.6%
MICRO E-MINI NASDAQ	0	0	0.0%	8,191	956	756.8%	0	0	0.0%	64,206	4,379	1,366.2%
MICRO E-MINI NASDAQ 100	0	-	-	8,936	-	-	0	-	-	12,142	-	-
MICRO E-MINI NASDAQ END O	0	0	0.0%	8,941	432	1,969.7%	0	0	0.0%	84,773	4,821	1,658.4%
MICRO E-MINI NASDAQ WEEKL	0	0	0.0%	29,438	5,873	401.2%	0	0	0.0%	230,770	20,811	1,008.9%
MICRO E-MINI S&P 500	0	0	0.0%	41,537	18,680	122.4%	0	0	0.0%	320,699	64,255	399.1%
MICRO E-MINI S&P 500 END OF	0	0	0.0%	58,862	13,507	335.8%	0	0	0.0%	443,166	96,710	358.2%
MICRO E-MINI S&P 500 WEEKL	0	0	0.0%	147,115	76,672	91.9%	0	0	0.0%	1,040,731	284,788	265.4%
S&P 500	0	0	0.0%	0	560	-100.0%	0	677,812	-100.0%	200	8,473	-97.6%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	6	-100.0%	0	0	0.0%	172	86	100.0%
AD/JY CROSS RATES	0	0	0.0%	3,099	1,903	62.8%	0	0	0.0%	24,709	27,259	-9.4%
AD/NE CROSS RATES	0	0	0.0%	507	141	259.6%	0	0	0.0%	3,501	2,881	21.5%
AUSTRALIAN DOLLAR	0	0	0.0%	1,809,084	1,958,494	-7.6%	0	0	0.0%	22,394,791	23,510,043	-4.7%

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FX Futures												
BP/JY CROSS RATES	0	0	0.0%	2,498	1,819	37.3%	0	0	0.0%	27,338	33,619	-18.7%
BP/SF CROSS RATES	0	0	0.0%	1,391	218	538.1%	0	0	0.0%	8,900	4,246	109.6%
BRAZIL REAL	0	0	0.0%	215,405	207,128	4.0%	0	0	0.0%	2,528,221	2,095,915	20.6%
BRITISH POUND	0	0	0.0%	2,035,010	1,888,471	7.8%	0	0	0.0%	21,677,222	24,521,084	-11.6%
CANADIAN DOLLAR	0	0	0.0%	1,564,740	1,377,159	13.6%	0	0	0.0%	18,154,421	17,526,982	3.6%
CD/JY CROSS RATES	0	0	0.0%	446	10	4,360.0%	0	0	0.0%	1,979	408	385.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	16,254	38,169	-57.4%	0	0	0.0%	181,053	241,584	-25.1%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	26	-92.3%
CZECK KORUNA (US)	0	0	0.0%	4	1	300.0%	0	0	0.0%	12	2	500.0%
EC/AD CROSS RATES	0	0	0.0%	2,814	2,507	12.2%	0	0	0.0%	49,892	62,432	-20.1%
EC/CD CROSS RATES	0	0	0.0%	4,358	1,757	148.0%	0	0	0.0%	74,755	46,014	62.5%
EC/NOK CROSS RATES	0	0	0.0%	128	71	80.3%	0	0	0.0%	6,693	1,836	264.5%
EC/SEK CROSS RATES	0	0	0.0%	355	415	-14.5%	0	0	0.0%	6,531	6,277	4.0%
EFX/BP CROSS RATES	0	0	0.0%	37,389	34,832	7.3%	0	0	0.0%	604,213	693,143	-12.8%
EFX/JY CROSS RATES	0	0	0.0%	38,076	25,636	48.5%	0	0	0.0%	462,363	594,310	-22.2%
EFX/SF CROSS RATES	0	0	0.0%	23,119	11,568	99.9%	0	0	0.0%	256,908	363,535	-29.3%
E-MICRO USD/CAD	0	-	-	490	-	-	0	-	-	2,194	-	-
E-MICRO USD/CHF	0	-	-	49	-	-	0	-	-	132	-	-
E-MICRO USD/JPY	0	-	-	5,033	-	-	0	-	-	7,954	-	-
E-MINI EURO FX	0	0	0.0%	109,017	142,402	-23.4%	0	0	0.0%	1,304,128	1,698,916	-23.2%
E-MINI JAPANESE YEN	0	0	0.0%	8,505	14,523	-41.4%	0	0	0.0%	101,281	223,803	-54.7%
EURO FX	0	0	0.0%	3,925,540	3,346,256	17.3%	0	36	-100.0%	43,582,489	49,285,288	-11.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	11	-100.0%
HUNGARIAN FORINT (US)	0	0	0.0%	6	9	-33.3%	0	0	0.0%	177	112	58.0%
INDIAN RUPEE	0	0	0.0%	16,976	21,875	-22.4%	0	0	0.0%	156,242	280,497	-44.3%
JAPANESE YEN	0	0	0.0%	2,469,996	2,066,413	19.5%	0	0	0.0%	24,680,849	26,284,495	-6.1%
KOREAN WON	0	0	0.0%	396	795	-50.2%	0	0	0.0%	12,218	6,729	81.6%
MEXICAN PESO	0	0	0.0%	1,102,997	1,207,315	-8.6%	0	0	0.0%	12,121,403	13,188,884	-8.1%
MICRO AUD/USD	0	0	0.0%	314,611	257,836	22.0%	0	0	0.0%	2,381,001	2,708,508	-12.1%
MICRO CAD/USD	0	0	0.0%	55,396	37,316	48.5%	0	0	0.0%	618,530	327,754	88.7%
MICRO CHF/USD	0	0	0.0%	10,691	10,602	0.8%	0	0	0.0%	97,489	51,945	87.7%
MICRO EUR/USD	0	0	0.0%	580,150	520,989	11.4%	0	0	0.0%	5,383,743	5,431,989	-0.9%
MICRO GBP/USD	0	0	0.0%	146,207	86,763	68.5%	0	0	0.0%	916,302	780,251	17.4%
MICRO INR/USD	0	0	0.0%	738	1,903	-61.2%	0	0	0.0%	18,272	23,861	-23.4%
MICRO JPY/USD	0	0	0.0%	86,243	28,052	207.4%	0	0	0.0%	432,297	319,638	35.2%

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FX Futures												
MICRO USD/CNH	0	-	-	0	-	-	0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	489,622	538,005	-9.0%	0	0	0.0%	6,441,738	6,731,094	-4.3%
NKR/USD CROSS RATE	0	0	0.0%	3,543	3,287	7.8%	0	0	0.0%	49,212	48,102	2.3%
POLISH ZLOTY (EC)	0	0	0.0%	26	6	333.3%	0	0	0.0%	1,402	592	136.8%
POLISH ZLOTY (US)	0	0	0.0%	750	462	62.3%	0	0	0.0%	9,569	8,750	9.4%
RMB USD	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	4	-25.0%
RUSSIAN RUBLE	0	0	0.0%	173,500	103,008	68.4%	0	0	0.0%	1,251,845	1,220,413	2.6%
S.AFRICAN RAND	0	0	0.0%	73,736	53,693	37.3%	0	0	0.0%	647,802	834,454	-22.4%
SF/JY CROSS RATES	0	0	0.0%	50	17	194.1%	0	0	0.0%	379	251	51.0%
SHEKEL	0	0	0.0%	25	1	2,400.0%	0	0	0.0%	44	114	-61.4%
SKR/USD CROSS RATES	0	0	0.0%	4,601	3,273	40.6%	0	0	0.0%	53,993	43,252	24.8%
SWISS FRANC	0	0	0.0%	541,407	436,136	24.1%	0	0	0.0%	5,454,417	6,255,801	-12.8%
TURKISH LIRA	0	0	0.0%	0	8	-100.0%	0	0	0.0%	8	96	-91.7%
USDZAR	0	0	0.0%	1,207	0	0.0%	0	0	0.0%	1,279	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	1,969	45	4,275.6%	0	0	0.0%	6,223	3,571	74.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	150	0	0.0%	0	0	0.0%	3,876	1,683	130.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	153	400	-61.8%	0	0	0.0%	4,137	2,940	40.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	12	0	0.0%	0	0	0.0%	4,524	2,341	93.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	986	76	1,197.4%	0	0	0.0%	2,356	798	195.2%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	58,760	53,880	9.1%	0	0	0.0%	551,993	778,291	-29.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,231	5,583	29.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,424	2,748	24.6%	0	0	0.0%	20,099	41,344	-51.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,484	3,173	-21.7%	0	0	0.0%	29,176	38,909	-25.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,885	3,576	8.6%	0	0	0.0%	33,182	43,252	-23.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	164	0	0.0%	0	0	0.0%	8,805	17,321	-49.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,083	876	23.6%	0	0	0.0%	12,878	13,867	-7.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	344	3,320	-89.6%	0	0	0.0%	8,190	16,206	-49.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	71	492	-85.6%	0	0	0.0%	3,139	8,482	-63.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	516	1,785	-71.1%	0	0	0.0%	9,585	15,325	-37.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,985	5,691	-65.1%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	697	8	8,612.5%	0	0	0.0%	3,988	685	482.2%

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FX Options												
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,444	10	14,340.0%	0	0	0.0%	10,339	3,165	226.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	708	370	91.4%	0	0	0.0%	16,428	2,323	607.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	378	615	-38.5%	0	0	0.0%	10,682	8,824	21.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	386	0	0.0%	0	0	0.0%	22,893	5,272	334.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,224	350	249.7%	0	0	0.0%	4,371	3,435	27.2%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	69,446	34,590	100.8%	0	430	-100.0%	758,714	507,625	49.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	27,536	12,433	121.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,738	2,803	211.7%	0	0	0.0%	54,502	67,216	-18.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,527	5,358	40.5%	0	0	0.0%	84,257	69,403	21.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,468	4,564	-2.1%	0	0	0.0%	97,518	76,116	28.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	120	0	0.0%	0	0	0.0%	28,139	30,313	-7.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,089	1,446	44.5%	0	0	0.0%	23,281	24,067	-3.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,043	361	465.9%	0	0	0.0%	20,414	17,948	13.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	4,169	1,494	179.0%	0	0	0.0%	24,336	20,275	20.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	945	853	10.8%	0	0	0.0%	27,286	25,321	7.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	9,035	8,199	10.2%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	5,493	4,306	27.6%	0	0	0.0%	60,969	40,271	51.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	411	139	195.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,091	485	124.9%	0	0	0.0%	3,383	2,243	50.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	83	253	-67.2%	0	0	0.0%	1,965	1,295	51.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	377	4	9,325.0%	0	0	0.0%	2,808	1,449	93.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	3	0	0.0%	0	0	0.0%	285	1,824	-84.4%
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	-	-	100	-	-	0	-	-	100	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	785	1,255	-37.5%	0	0	0.0%	20,167	18,616	8.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	714	2,515	-71.6%	0	0	0.0%	17,688	15,986	10.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,005	599	67.8%	0	0	0.0%	16,593	19,954	-16.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	4,924	350	1,306.9%	0	0	0.0%	30,888	21,098	46.4%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,149	2,599	21.2%	0	0	0.0%	9,094	9,785	-7.1%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	193,747	208,347	-7.0%	0	1,550	-100.0%	2,139,124	2,972,486	-28.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	153	-100.0%	0	0	0.0%	49,464	29,312	68.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	29,497	21,209	39.1%	0	62	-100.0%	155,371	204,334	-24.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	32,767	11,503	184.9%	0	0	0.0%	231,849	217,979	6.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,676	16,357	-4.2%	0	0	0.0%	198,652	236,331	-15.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	163	0	0.0%	0	0	0.0%	85,936	78,886	8.9%

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FX Options												
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,027	7,293	10.1%	0	0	0.0%	73,417	107,155	-31.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,553	6,872	24.5%	0	0	0.0%	77,081	86,505	-10.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,834	5,121	92.0%	0	0	0.0%	75,072	85,748	-12.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	10,056	6,030	66.8%	0	0	0.0%	98,580	83,543	18.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	25,392	34,150	-25.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	239	39	512.8%	0	0	0.0%	4,639	6,637	-30.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	729	1,364	-46.6%	0	0	0.0%	6,677	5,072	31.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	828	3,328	-75.1%	0	0	0.0%	4,859	9,239	-47.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,153	2,850	-59.5%	0	0	0.0%	6,708	12,052	-44.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	584	379	54.1%	0	0	0.0%	1,238	1,814	-31.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	67,254	76,183	-11.7%	0	64	-100.0%	799,891	939,209	-14.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	12,239	9,487	29.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,242	2,925	147.6%	0	0	0.0%	31,654	38,065	-16.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,422	3,793	16.6%	0	0	0.0%	32,701	43,788	-25.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,184	2,336	36.3%	0	0	0.0%	38,746	36,077	7.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	29	0	0.0%	0	0	0.0%	10,444	16,262	-35.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,288	2,457	-47.6%	0	0	0.0%	12,989	19,120	-32.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,383	2,380	-41.9%	0	0	0.0%	8,166	11,554	-29.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,006	2,730	-26.5%	0	0	0.0%	8,777	18,201	-51.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,645	587	350.6%	0	0	0.0%	14,323	13,097	9.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	2,591	7,180	-63.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	121	0	0.0%	0	0	0.0%	3,973	8,895	-55.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	136	1,905	-92.9%	0	0	0.0%	6,147	13,069	-53.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	208	782	-73.4%	0	0	0.0%	4,100	8,368	-51.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	640	120	433.3%	0	0	0.0%	4,669	7,201	-35.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	200	286	-30.1%	0	0	0.0%	2,897	2,939	-1.4%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	79,469	67,395	17.9%	0	727	-100.0%	891,601	1,250,188	-28.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	28,297	17,142	65.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	17,151	11,258	52.3%	0	0	0.0%	68,900	116,300	-40.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,213	7,040	87.7%	0	0	0.0%	109,127	128,842	-15.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,843	6,331	23.9%	0	0	0.0%	99,197	122,729	-19.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	310	0	0.0%	0	0	0.0%	36,637	48,042	-23.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,984	2,191	173.1%	0	0	0.0%	34,295	53,672	-36.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,053	3,713	63.0%	0	0	0.0%	42,157	42,164	0.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	7,142	3,345	113.5%	0	0	0.0%	38,889	49,436	-21.3%

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FX Options												
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,799	3,394	100.3%	0	0	0.0%	38,684	51,707	-25.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,879	12,418	-36.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	972	2,051	-52.6%	0	1,840	-100.0%	15,504	17,244	-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%	300	1,040	-71.2%	0	0	0.0%	904	2,788	-67.6%
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	483	-100.0%	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%	587	134	338.1%	0	0	0.0%	2,498	4,965	-49.7%
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	378	-100.0%	0	0	0.0%	68	569	-88.0%
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%	570	248	129.8%	0	0	0.0%	5,103	7,458	-31.6%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	270	155	74.2%	0	0	0.0%	6,604	2,594	154.6%
BUTTER CS	0	0	0.0%	3,812	4,445	-14.2%	0	0	0.0%	42,427	59,302	-28.5%
CASH-SETTLED CHEESE	0	0	0.0%	15,286	12,768	19.7%	0	0	0.0%	129,521	143,180	-9.5%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,271,639	1,208,393	5.2%	0	2,592	-100.0%	12,954,303	15,195,904	-14.8%
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%	3,996	480	732.5%	0	65	-100.0%	17,272	22,231	-22.3%
DRY WHEY	0	0	0.0%	1,565	1,843	-15.1%	0	0	0.0%	21,058	15,900	32.4%
FEEDER CATTLE	0	0	0.0%	233,821	211,790	10.4%	0	54	-100.0%	2,829,056	2,978,896	-5.0%
GOLDMAN SACHS	0	0	0.0%	5,090	12,172	-58.2%	0	0	0.0%	89,871	162,106	-44.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	151	85	77.6%
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%	968,318	851,766	13.7%	0	1,940	-100.0%	10,646,941	11,689,921	-8.9%
HOUSING INDEX	0	0	0.0%	20	2	900.0%	0	0	0.0%	152	264	-42.4%
LUMBER	0	0	0.0%	7,269	7,556	-3.8%	0	0	0.0%	104,964	141,113	-25.6%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	31,211	33,245	-6.1%	0	59	-100.0%	272,213	385,825	-29.4%
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%	5,480	4,520	21.2%	0	0	0.0%	59,018	84,018	-29.8%
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%	2,221	2,367	-6.2%	0	0	0.0%	26,382	2,367	1,014.6%
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%

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Ag Products Options												
BLOCK CHEESE	0	0	0.0%	0	204	-100.0%	0	2,052	-100.0%	2,964	6,356	-53.4%
BUTTER CS	0	0	0.0%	1,862	1,335	39.5%	0	212	-100.0%	20,961	30,535	-31.4%
CASH-SETTLED CHEESE	0	0	0.0%	5,395	7,744	-30.3%	0	5,682	-100.0%	67,160	120,961	-44.5%
CATTLE	0	0	0.0%	238,747	191,217	24.9%	0	59,913	-100.0%	2,119,230	2,425,423	-12.6%
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%	7,926	967	719.6%	0	1,082	-100.0%	47,220	45,393	4.0%
DRY WHEY	0	0	0.0%	45	1,041	-95.7%	0	119	-100.0%	1,803	5,305	-66.0%
FEEDER CATTLE	0	0	0.0%	27,336	19,645	39.1%	0	4,252	-100.0%	243,389	275,138	-11.5%
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%	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	-	-
HOGS	0	0	0.0%	180,669	103,679	74.3%	0	34,430	-100.0%	2,230,633	2,772,617	-19.5%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	0	0.0%	539	649	-16.9%	0	0	0.0%	7,618	9,486	-19.7%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	25,050	30,700	-18.4%	0	3,323	-100.0%	277,360	494,387	-43.9%
MLK MID OPTIONS	0	0	0.0%	12	0	0.0%	0	31	-100.0%	28	93	-69.9%
NFD MILK	0	0	0.0%	2,053	3,875	-47.0%	0	494	-100.0%	36,201	67,282	-46.2%
PORK CUTOUT	0	0	0.0%	0	3	-100.0%	0	0	0.0%	750	3	24,900.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	748,494	193,976	285.9%	65,352,893	40,810,901	60.1%	5,298,938	3,139,858	68.8%	586,852,343	481,276,611	21.9%
Equity Index Futures	0	0	0.0%	90,389,946	88,645,156	2.0%	0	33,712	-100.0%	993,424,565	1,062,763,025	-6.5%
FX Futures	0	0	0.0%	15,876,185	14,431,252	10.0%	0	36	-100.0%	172,192,104	185,487,286	-7.2%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	2,549,998	2,351,502	8.4%	0	4,710	-100.0%	27,199,933	30,883,781	-11.9%
TOTAL FUTURES	748,494	193,976	285.9%	174,169,022	146,238,811	19.1%	5,298,938	3,178,316	66.7%	1,779,668,945	1,760,410,703	1.1%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2021	Open Outcry NOV 2020	% CHG	ELEC NOV 2021	ELEC NOV 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%	18,743,426	11,355,959	65.1%	0	1,658,011	-100.0%	160,409,874	164,916,385	-2.7%
Interest Rate Options	17,757,196	6,690,277	165.4%	10,558,674	4,707,805	124.3%	151,779,424	79,741,347	90.3%	80,792,351	153,728,945	-47.4%
FX Options	0	0	0.0%	744,541	631,641	17.9%	0	4,673	-100.0%	7,739,708	9,303,168	-16.8%
Ag Products Options	0	0	0.0%	489,634	361,059	35.6%	0	111,590	-100.0%	5,055,317	6,252,979	-19.2%
Foreign Exchange Options	0	0	0.0%	570	248	129.8%	0	0	0.0%	5,103	7,458	-31.6%
TOTAL OPTIONS	17,757,196	6,690,277	165.4%	30,536,845	17,056,712	79.0%	151,779,424	81,515,621	86.2%	254,002,353	334,208,935	-24.0%
TOTAL COMBINED												
Interest Rate	18,505,690	6,884,253	168.8%	75,911,567	45,518,706	66.8%	157,078,362	82,881,205	89.5%	667,644,694	635,005,556	5.1%
Equity Index	0	0	0.0%	109,133,372	100,001,115	9.1%	0	1,691,723	-100.0%	1,153,834,439	1,227,679,410	-6.0%
FX	0	0	0.0%	16,620,726	15,062,893	10.3%	0	4,709	-100.0%	179,931,812	194,790,454	-7.6%
Foreign Exchange	0	0	0.0%	570	248	129.8%	0	0	0.0%	5,103	7,458	-31.6%
Ag Products	0	0	0.0%	3,039,632	2,712,561	12.1%	0	116,300	-100.0%	32,255,250	37,136,760	-13.1%
GRAND TOTAL	18,505,690	6,884,253	168.8%	204,705,867	163,295,523	25.4%	157,078,362	84,693,937	85.5%	2,033,671,298	2,094,619,638	-2.9%

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