



CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 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	28	-100.0%	0	0	0.0%	0	537	-100.0%
EURODOLLARS	458,766	0	0.0%	47,236,655	22,577,321	109.2%	2,923,737	2,619,681	11.6%	345,342,875	347,679,582	-0.7%
SOFR	0	0	0.0%	2,227,725	728,434	205.8%	0	0	0.0%	16,153,370	6,019,608	168.3%
SONIA	0	0	0.0%	39,416	255,791	-84.6%	0	0	0.0%	721,103	1,074,449	-32.9%
TIIE	0	-	-	30	-	-	0	-	-	83	-	-
Interest Rate Options												
EURODOLLARS	1,968,851	0	0.0%	900,231	4,440,357	-79.7%	18,593,320	48,129,596	-61.4%	9,555,775	96,088,070	-90.1%
EURO MIDCURVE	11,625,643	0	0.0%	5,097,688	5,311,687	-4.0%	74,595,841	12,810,071	482.3%	37,626,480	39,234,429	-4.1%
SOFR	0	0	0.0%	11	200	-94.5%	7,000	10	69,900.0%	1,352	1,012	33.6%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	518,848	161,734	220.8%	0	0	0.0%	3,007,061	1,170,545	156.9%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,042	1,519	-31.4%	0	0	0.0%	19,219	15,019	28.0%
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%	116	2	5,700.0%	0	0	0.0%	136	2	6,700.0%
E-MINI MIDCAP	0	0	0.0%	214,019	277,224	-22.8%	0	0	0.0%	1,757,740	2,671,505	-34.2%
E-MINI NASDAQ 100	0	0	0.0%	10,489,739	12,047,723	-12.9%	0	0	0.0%	78,802,029	86,947,661	-9.4%
E-MINI RUSSELL 1000	0	0	0.0%	2,470	881	180.4%	0	0	0.0%	28,468	25,789	10.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,392	1,886	-26.2%	0	0	0.0%	19,619	21,556	-9.0%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	3,263	3,186	2.4%	0	0	0.0%	57,890	39,762	45.6%
E-MINI RUSSELL 2000	0	0	0.0%	3,709,654	3,907,989	-5.1%	0	0	0.0%	28,314,786	31,381,362	-9.8%
E-MINI S&P500	0	0	0.0%	28,529,756	35,481,983	-19.6%	0	0	0.0%	232,221,696	322,062,600	-27.9%
E-MINI S&P500 ESG	0	0	0.0%	8,799	3,490	152.1%	0	0	0.0%	91,933	47,384	94.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,643	2,009	-18.2%	0	0	0.0%	27,931	41,088	-32.0%
ETHER FUTURES	0	-	-	70,265	-	-	0	-	-	334,632	-	-
FT-SE 100	0	0	0.0%	12	0	0.0%	0	0	0.0%	191	0	0.0%
FTSE Emerging	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	4,480	-99.9%
IBOVESPA INDEX	0	0	0.0%	87	119	-26.9%	0	0	0.0%	1,248	3,590	-65.2%
MICRO E-MINI NASDAQ 100	0	0	0.0%	17,548,126	15,377,810	14.1%	0	0	0.0%	138,366,361	87,790,966	57.6%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,807,815	2,618,965	7.2%	0	0	0.0%	22,074,823	14,669,945	50.5%

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Equity Index Futures												
MICRO E-MINI S&P500	0	0	0.0%	14,690,072	22,877,218	-35.8%	0	0	0.0%	127,995,713	129,368,221	-1.1%
NASDAQ-100 VOLATILITY	0	-	-	7	-	-	0	-	-	56	-	-
NASDAQ BIOTECH	0	0	0.0%	599	608	-1.5%	0	0	0.0%	4,347	4,138	5.1%
Nearby BTIC+	0	0	0.0%	50	0	0.0%	0	0	0.0%	356	200	78.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	93,655	134,492	-30.4%	0	0	0.0%	872,974	1,566,267	-44.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	597,165	599,357	-0.4%	0	0	0.0%	4,476,650	7,734,690	-42.1%
S&P 500	0	0	0.0%	53	586	-91.0%	0	33,712	-100.0%	11,751	19,023	-38.2%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	14,901	5,898	152.6%	0	0	0.0%	109,291	182,876	-40.2%
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%	177	224	-21.0%	0	0	0.0%	724	8,188	-91.2%
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%	5,654	4,473	26.4%	0	0	0.0%	70,048	46,976	49.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	11,400	12,944	-11.9%	0	0	0.0%	118,136	76,686	54.1%
S&P ENERGY SECTOR	0	0	0.0%	15,448	8,338	85.3%	0	0	0.0%	192,270	119,623	60.7%
S&P FINANCIAL SECTOR	0	0	0.0%	18,068	9,629	87.6%	0	0	0.0%	238,004	126,415	88.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	9,353	5,279	77.2%	0	0	0.0%	99,690	89,151	11.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,528	3,008	183.5%	0	0	0.0%	76,039	58,643	29.7%
S&P MATERIALS SECTOR	0	0	0.0%	6,115	2,949	107.4%	0	0	0.0%	61,655	34,981	76.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,055	5,764	5.0%	0	0	0.0%	81,371	70,473	15.5%
S&P UTILITIES SECTOR	0	0	0.0%	8,591	6,906	24.4%	0	0	0.0%	101,401	98,136	3.3%
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	-	-	59	-	-	0	-	-	858	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	2,114	4,622	-54.3%	0	0	0.0%	9,837	52,564	-81.3%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	876	854	2.6%	0	0	0.0%	8,208	5,759	42.5%
E-MINI NASDAQ 100	0	0	0.0%	638,607	312,820	104.1%	0	0	0.0%	3,768,585	2,282,852	65.1%
E-MINI RUSSELL 2000	0	0	0.0%	18,850	6,940	171.6%	0	0	0.0%	194,373	129,763	49.8%
E-MINI S&P500	0	0	0.0%	5,448,176	5,420,454	0.5%	0	250	-100.0%	39,755,365	55,658,667	-28.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	31,559	8,003	294.3%	0	0	0.0%	148,719	61,084	143.5%
EOM EMINI S&P	0	0	0.0%	2,137,641	1,872,618	14.2%	0	0	0.0%	12,804,961	15,261,946	-16.1%
EOM S&P 500	0	0	0.0%	592	0	0.0%	0	303,360	-100.0%	2,156	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	10,566	2,386	342.8%	0	0	0.0%	65,829	34,130	92.9%
EOW1 EMINI S&P 500	0	0	0.0%	731,718	662,839	10.4%	0	0	0.0%	6,528,672	7,294,037	-10.5%
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%	13,275	5,115	159.5%	0	0	0.0%	87,160	28,024	211.0%
EOW2 EMINI S&P 500	0	0	0.0%	892,561	908,112	-1.7%	0	0	0.0%	7,323,895	7,729,041	-5.2%
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%	45,326	17,874	153.6%	0	0	0.0%	203,414	140,197	45.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,839,748	2,297,984	23.6%	0	0	0.0%	14,585,083	17,949,185	-18.7%
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%	23,911	4,194	470.1%	0	0	0.0%	92,564	23,320	296.9%
EOW4 EMINI S&P 500	0	0	0.0%	1,136,677	1,030,263	10.3%	0	0	0.0%	5,088,137	6,021,088	-15.5%
MICRO E-MINI NASDAQ 100	0	-	-	37,175	-	-	0	-	-	213,982	-	-
MICRO E-MINI S&P500	0	-	-	163,542	-	-	0	-	-	977,733	-	-
S&P 500	0	0	0.0%	0	40	-100.0%	0	677,812	-100.0%	200	7,113	-97.2%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	12	1	1,100.0%	0	0	0.0%	146	77	89.6%
AD/JY CROSS RATES	0	0	0.0%	2,185	1,275	71.4%	0	0	0.0%	15,098	20,439	-26.1%
AD/NE CROSS RATES	0	0	0.0%	299	152	96.7%	0	0	0.0%	1,286	2,141	-39.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,714,171	2,025,340	-15.4%	0	0	0.0%	14,666,222	15,495,136	-5.3%
BP/JY CROSS RATES	0	0	0.0%	2,856	1,693	68.7%	0	0	0.0%	17,147	24,489	-30.0%
BP/SF CROSS RATES	0	0	0.0%	628	367	71.1%	0	0	0.0%	4,239	3,396	24.8%
BRAZIL REAL	0	0	0.0%	285,946	203,257	40.7%	0	0	0.0%	1,650,831	1,350,837	22.2%
BRITISH POUND	0	0	0.0%	2,095,599	2,050,884	2.2%	0	0	0.0%	13,807,127	15,332,547	-9.9%
CANADIAN DOLLAR	0	0	0.0%	1,677,630	1,359,649	23.4%	0	0	0.0%	11,555,364	11,461,688	0.8%

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FX Futures												
CD/JY CROSS RATES	0	0	0.0%	550	10	5,400.0%	0	0	0.0%	1,111	360	208.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	15,752	13,919	13.2%	0	0	0.0%	114,431	125,060	-8.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	21	-90.5%
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	5	-	-
EC/AD CROSS RATES	0	0	0.0%	2,085	2,812	-25.9%	0	0	0.0%	31,780	45,120	-29.6%
EC/CD CROSS RATES	0	0	0.0%	3,340	3,051	9.5%	0	0	0.0%	46,666	32,133	45.2%
EC/NOK CROSS RATES	0	0	0.0%	204	12	1,600.0%	0	0	0.0%	3,970	1,397	184.2%
EC/SEK CROSS RATES	0	0	0.0%	158	173	-8.7%	0	0	0.0%	4,273	4,521	-5.5%
EFX/BP CROSS RATES	0	0	0.0%	34,001	39,841	-14.7%	0	0	0.0%	372,564	502,253	-25.8%
EFX/JY CROSS RATES	0	0	0.0%	30,890	31,102	-0.7%	0	0	0.0%	261,476	454,314	-42.4%
EFX/SF CROSS RATES	0	0	0.0%	15,255	17,344	-12.0%	0	0	0.0%	146,683	290,873	-49.6%
E-MICRO USD/CAD	0	-	-	152	-	-	0	-	-	152	-	-
E-MICRO USD/CHF	0	-	-	12	-	-	0	-	-	12	-	-
E-MINI EURO FX	0	0	0.0%	98,475	168,769	-41.7%	0	0	0.0%	915,937	1,063,676	-13.9%
E-MINI JAPANESE YEN	0	0	0.0%	8,093	12,519	-35.4%	0	0	0.0%	62,814	180,463	-65.2%
EURO FX	0	0	0.0%	3,518,937	4,698,533	-25.1%	0	36	-100.0%	28,351,463	32,101,167	-11.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	9	-100.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	0	0.0%	0	0	0.0%	126	67	88.1%
INDIAN RUPEE	0	0	0.0%	12,248	28,310	-56.7%	0	0	0.0%	97,831	192,416	-49.2%
JAPANESE YEN	0	0	0.0%	2,026,412	1,854,925	9.2%	0	0	0.0%	15,104,753	18,547,487	-18.6%
KOREAN WON	0	0	0.0%	484	387	25.1%	0	0	0.0%	10,568	4,152	154.5%
MEXICAN PESO	0	0	0.0%	919,563	898,378	2.4%	0	0	0.0%	7,685,231	8,436,257	-8.9%
MICRO AUD/USD	0	0	0.0%	173,153	272,625	-36.5%	0	0	0.0%	1,519,514	1,757,162	-13.5%
MICRO CAD/USD	0	0	0.0%	68,287	26,257	160.1%	0	0	0.0%	377,024	177,798	112.1%
MICRO CHF/USD	0	0	0.0%	6,375	3,875	64.5%	0	0	0.0%	62,823	23,891	163.0%
MICRO EUR/USD	0	0	0.0%	500,309	611,661	-18.2%	0	0	0.0%	3,537,619	3,106,324	13.9%
MICRO GBP/USD	0	0	0.0%	86,051	64,721	33.0%	0	0	0.0%	513,049	396,225	29.5%
MICRO INR/USD	0	0	0.0%	1,427	1,848	-22.8%	0	0	0.0%	13,651	16,751	-18.5%
MICRO JPY/USD	0	0	0.0%	38,550	23,604	63.3%	0	0	0.0%	228,712	217,301	5.3%
MICRO USD/CNH	0	-	-	0	-	-	0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	588,728	624,801	-5.8%	0	0	0.0%	4,162,660	4,483,601	-7.2%
NKR/USD CROSS RATE	0	0	0.0%	4,527	1,814	149.6%	0	0	0.0%	33,296	35,977	-7.5%
POLISH ZLOTY (EC)	0	0	0.0%	35	48	-27.1%	0	0	0.0%	936	447	109.4%
POLISH ZLOTY (US)	0	0	0.0%	498	1,032	-51.7%	0	0	0.0%	6,221	5,200	19.6%
RMB USD	0	0	0.0%	0	1	-100.0%	0	0	0.0%	2	4	-50.0%

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FX Futures												
RUSSIAN RUBLE	0	0	0.0%	83,005	119,181	-30.4%	0	0	0.0%	683,399	822,095	-16.9%
S.AFRICAN RAND	0	0	0.0%	38,625	72,289	-46.6%	0	0	0.0%	362,066	552,923	-34.5%
SF/JY CROSS RATES	0	0	0.0%	33	3	1,000.0%	0	0	0.0%	177	223	-20.6%
SHEKEL	0	0	0.0%	0	1	-100.0%	0	0	0.0%	15	93	-83.9%
SKR/USD CROSS RATES	0	0	0.0%	2,915	2,429	20.0%	0	0	0.0%	30,750	27,434	12.1%
SWISS FRANC	0	0	0.0%	472,960	516,967	-8.5%	0	0	0.0%	3,382,897	4,260,331	-20.6%
TURKISH LIRA	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	18	-55.6%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	99	510	-80.6%	0	0	0.0%	2,425	2,776	-12.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	839	172	387.8%	0	0	0.0%	2,629	1,258	109.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	298	565	-47.3%	0	0	0.0%	2,685	1,951	37.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	312	172	81.4%	0	0	0.0%	3,012	975	208.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	709	-96.8%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	56,178	55,903	0.5%	0	0	0.0%	323,348	582,545	-44.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	381	0	0.0%	0	0	0.0%	3,997	3,153	26.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	917	1,867	-50.9%	0	0	0.0%	10,659	34,512	-69.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,076	2,899	-28.4%	0	0	0.0%	18,089	29,425	-38.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,891	3,156	-40.1%	0	0	0.0%	20,763	31,461	-34.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,471	1,866	-21.2%	0	0	0.0%	4,857	12,603	-61.5%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	878	493	78.1%	0	0	0.0%	8,226	9,664	-14.9%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	1,057	456	131.8%	0	0	0.0%	5,392	11,535	-53.3%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	236	161	46.6%	0	0	0.0%	2,677	7,088	-62.2%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	991	211	369.7%	0	0	0.0%	7,330	10,668	-31.3%
AUD/USD WKLY WED OPTIONE	0	0	0.0%	0	600	-100.0%	0	0	0.0%	1,408	4,219	-66.6%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	477	0	0.0%	0	0	0.0%	2,258	663	240.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,610	619	160.1%	0	0	0.0%	5,961	2,359	152.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,678	223	1,100.9%	0	0	0.0%	9,424	629	1,398.3%
CAD/USD MONDAY OPTIONS	0	0	0.0%	564	1,862	-69.7%	0	0	0.0%	3,038	3,871	-21.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	3,499	2,453	42.6%	0	0	0.0%	10,213	3,841	165.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	612	861	-28.9%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	103,682	46,508	122.9%	0	430	-100.0%	426,483	380,206	12.2%

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FX Options												
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	889	0	0.0%	0	0	0.0%	14,977	6,030	148.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,889	7,054	-44.9%	0	0	0.0%	30,573	49,643	-38.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	9,367	5,740	63.2%	0	0	0.0%	47,106	44,941	4.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,889	6,454	37.7%	0	0	0.0%	48,388	51,381	-5.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,593	5,825	-4.0%	0	0	0.0%	15,578	25,272	-38.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,218	2,412	33.4%	0	0	0.0%	9,327	17,791	-47.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	4,096	631	549.1%	0	0	0.0%	12,060	13,041	-7.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,234	2,144	4.2%	0	0	0.0%	10,816	14,742	-26.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,554	2,984	-14.4%	0	0	0.0%	11,363	18,208	-37.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	2,313	-100.0%	0	0	0.0%	3,241	7,730	-58.1%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,720	2,316	60.6%	0	0	0.0%	32,798	23,457	39.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4	0	0.0%	0	0	0.0%	218	37	489.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	227	7	3,142.9%	0	0	0.0%	1,775	1,296	37.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	186	14	1,228.6%	0	0	0.0%	1,413	848	66.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	65	23	182.6%	0	0	0.0%	2,294	772	197.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	166	3	5,433.3%	0	0	0.0%	238	906	-73.7%
EUR/GBP MONTHLY OPTIONS	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	-	-	0	-	-	0	-	-	0	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	8,475	4,973	70.4%	0	0	0.0%	15,049	11,179	34.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	699	2,757	-74.6%	0	0	0.0%	11,629	6,297	84.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,616	8,241	-80.4%	0	0	0.0%	8,200	14,190	-42.2%
EUR/USD MONDAY OPTION W	0	0	0.0%	5,007	7,207	-30.5%	0	0	0.0%	17,937	13,663	31.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,587	5,514	-71.2%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	203,019	251,533	-19.3%	0	1,550	-100.0%	1,432,913	2,172,079	-34.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,584	0	0.0%	0	0	0.0%	30,334	11,073	173.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,437	20,010	-77.8%	0	62	-100.0%	91,358	150,473	-39.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,276	22,734	-10.8%	0	0	0.0%	138,954	154,863	-10.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,412	19,307	5.7%	0	0	0.0%	125,597	162,931	-22.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	24,596	18,871	30.3%	0	0	0.0%	58,205	59,845	-2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,693	6,908	11.4%	0	0	0.0%	46,610	68,590	-32.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	11,823	6,565	80.1%	0	0	0.0%	52,891	57,929	-8.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,927	11,723	-40.9%	0	0	0.0%	49,820	61,833	-19.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	14,255	9,881	44.3%	0	0	0.0%	63,661	53,722	18.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	9,029	-100.0%	0	0	0.0%	12,636	23,314	-45.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,887	1,053	79.2%	0	0	0.0%	3,127	3,671	-14.8%

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FX Options												
GBP/USD MONDAY OPTION W	0	0	0.0%	799	250	219.6%	0	0	0.0%	4,382	2,563	71.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	227	440	-48.4%	0	0	0.0%	1,707	4,333	-60.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,088	704	54.5%	0	0	0.0%	2,775	5,595	-50.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	1,162	-65.6%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	88,791	72,590	22.3%	0	64	-100.0%	523,109	603,343	-13.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,408	0	0.0%	0	0	0.0%	8,106	3,267	148.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,867	2,267	26.5%	0	0	0.0%	16,646	26,049	-36.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,233	1,849	128.9%	0	0	0.0%	20,825	23,736	-12.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,630	1,720	227.3%	0	0	0.0%	25,522	25,264	1.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,793	3,377	12.3%	0	0	0.0%	7,912	11,786	-32.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,250	330	278.8%	0	0	0.0%	8,737	12,669	-31.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,083	401	170.1%	0	0	0.0%	5,162	7,129	-27.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	653	668	-2.2%	0	0	0.0%	4,788	11,749	-59.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	894	631	41.7%	0	0	0.0%	7,514	10,076	-25.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	344	-100.0%	0	0	0.0%	1,901	5,534	-65.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	710	1,667	-57.4%	0	0	0.0%	3,096	5,959	-48.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	805	2,370	-66.0%	0	0	0.0%	2,914	8,179	-64.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	776	1,571	-50.6%	0	0	0.0%	2,602	4,804	-45.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	269	457	-41.1%	0	0	0.0%	1,293	2,349	-45.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.0%	0	0	0.0%	313	1,363	-77.0%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	93,792	90,155	4.0%	0	727	-100.0%	550,631	953,229	-42.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,019	0	0.0%	0	0	0.0%	20,917	5,689	267.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,287	10,494	-87.7%	0	0	0.0%	35,846	87,502	-59.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,305	9,117	45.9%	0	0	0.0%	67,260	94,731	-29.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,076	10,245	-11.4%	0	0	0.0%	57,830	88,808	-34.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,447	10,312	-18.1%	0	0	0.0%	25,004	36,879	-32.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,004	4,207	-28.6%	0	0	0.0%	17,300	40,915	-57.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,684	2,898	130.6%	0	0	0.0%	23,856	31,343	-23.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,640	2,195	202.5%	0	0	0.0%	22,361	36,372	-38.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,319	2,571	29.1%	0	0	0.0%	19,539	40,129	-51.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,697	-100.0%	0	0	0.0%	5,541	8,991	-38.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	636	998	-36.3%	0	1,840	-100.0%	6,958	10,301	-32.5%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	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%	604	225	168.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.0%	0	0	0.0%	552	1,003	-45.0%

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FX Options												
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	2	-100.0%	0	0	0.0%	331	1,183	-72.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	9	-100.0%	0	0	0.0%	0	152	-100.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	494	79	525.3%	0	0	0.0%	1,287	4,551	-71.7%
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%
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	-	-	68	-	-
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%	516	290	77.9%	0	0	0.0%	4,034	6,155	-34.5%

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Ag Products Futures												
BUTTER CS	0	0	0.0%	3,407	3,174	7.3%	0	0	0.0%	28,413	41,849	-32.1%
CASH-SETTLED CHEESE	0	0	0.0%	12,568	10,130	24.1%	0	0	0.0%	86,669	95,060	-8.8%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,200,957	1,369,591	-12.3%	0	2,592	-100.0%	8,320,446	10,312,138	-19.3%
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	50	-100.0%	0	0	0.0%	0	50	-100.0%
CLASS IV MILK	0	0	0.0%	787	1,051	-25.1%	0	65	-100.0%	5,633	18,144	-69.0%
DRY WHEY	0	0	0.0%	1,346	1,385	-2.8%	0	0	0.0%	16,078	10,206	57.5%
FEEDER CATTLE	0	0	0.0%	260,875	310,756	-16.1%	0	54	-100.0%	1,684,574	1,934,525	-12.9%
GOLDMAN SACHS	0	0	0.0%	4,741	11,884	-60.1%	0	0	0.0%	72,879	112,658	-35.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	101	44	129.5%
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%
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%	1,017,114	1,047,352	-2.9%	0	1,940	-100.0%	7,047,089	7,985,910	-11.8%
HOUSING INDEX	0	0	0.0%	4	9	-55.6%	0	0	0.0%	76	225	-66.2%
LUMBER	0	0	0.0%	10,789	15,582	-30.8%	0	0	0.0%	75,166	89,661	-16.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	24,560	37,668	-34.8%	0	59	-100.0%	164,269	251,911	-34.8%
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%	4,455	5,002	-10.9%	0	0	0.0%	38,637	62,865	-38.5%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	-	-	1,484	-	-	0	-	-	20,813	-	-
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												
BUTTER CS	0	0	0.0%	761	1,391	-45.3%	0	212	-100.0%	15,200	24,976	-39.1%
CASH-SETTLED CHEESE	0	0	0.0%	4,931	13,619	-63.8%	0	7,734	-100.0%	55,017	82,526	-33.3%
CATTLE	0	0	0.0%	149,711	192,165	-22.1%	0	59,913	-100.0%	1,304,342	1,679,934	-22.4%
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%	4,040	1,773	127.9%	0	1,082	-100.0%	22,626	40,415	-44.0%
DRY WHEY	0	0	0.0%	167	770	-78.3%	0	119	-100.0%	1,585	4,117	-61.5%
FEEDER CATTLE	0	0	0.0%	18,130	19,809	-8.5%	0	4,252	-100.0%	149,504	187,399	-20.2%
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	0	0.0%
HDD WEATHER EUROPEAN	0	-	-	0	-	-	0	-	-	0	-	-
HOGS	0	0	0.0%	213,252	217,447	-1.9%	0	34,430	-100.0%	1,426,001	2,019,396	-29.4%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	0	0.0%	585	843	-30.6%	0	0	0.0%	5,750	6,346	-9.4%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	19,618	49,965	-60.7%	0	3,323	-100.0%	177,446	365,597	-51.5%
MLK MID OPTIONS	0	0	0.0%	0	31	-100.0%	0	31	-100.0%	11	86	-87.2%
NFD MILK	0	0	0.0%	2,990	5,328	-43.9%	0	494	-100.0%	27,409	51,785	-47.1%
PORK CUTOUT	0	-	-	1	-	-	0	-	-	738	-	-
TOTAL FUTURES GROUP												
Interest Rate Futures	458,766	0	0.0%	49,503,826	23,561,574	110.1%	2,923,737	2,619,681	11.6%	362,217,431	354,774,176	2.1%
Equity Index Futures	0	0	0.0%	79,395,110	93,568,815	-15.1%	0	33,712	-100.0%	639,646,939	686,550,505	-6.8%
FX Futures	0	0	0.0%	14,531,418	15,755,860	-7.8%	0	36	-100.0%	109,844,223	121,556,294	-9.6%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	2,543,087	2,813,634	-9.6%	0	4,710	-100.0%	17,560,843	20,915,271	-16.0%
TOTAL FUTURES	458,766	0	0.0%	145,973,441	135,699,883	7.6%	2,923,737	2,658,139	10.0%	1,129,269,436	1,183,796,246	-4.6%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2021	Open Outcry JUL 2020	% CHG	ELEC JUL 2021	ELEC JUL 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%	14,170,800	12,550,496	12.9%	0	1,658,011	-100.0%	91,849,036	112,626,206	-18.4%
Interest Rate Options	13,594,494	0	0.0%	5,997,930	9,752,244	-38.5%	93,196,161	60,939,677	52.9%	47,183,607	135,323,511	-65.1%
FX Options	0	0	0.0%	820,916	797,023	3.0%	0	4,673	-100.0%	4,783,771	6,663,570	-28.2%
Ag Products Options	0	0	0.0%	414,186	503,141	-17.7%	0	111,590	-100.0%	3,185,629	4,462,577	-28.6%
Foreign Exchange Options	0	0	0.0%	516	290	77.9%	0	0	0.0%	4,034	6,155	-34.5%
TOTAL OPTIONS	13,594,494	0	0.0%	21,404,348	23,603,194	-9.3%	93,196,161	62,713,951	48.6%	147,006,077	259,082,019	-43.3%
TOTAL COMBINED												
Interest Rate	14,053,260	0	0.0%	55,501,756	33,313,818	66.6%	96,119,898	63,559,358	51.2%	409,401,038	490,097,687	-16.5%
Equity Index	0	0	0.0%	93,565,910	106,119,311	-11.8%	0	1,691,723	-100.0%	731,495,975	799,176,711	-8.5%
FX	0	0	0.0%	15,352,334	16,552,883	-7.3%	0	4,709	-100.0%	114,627,994	128,219,864	-10.6%
Foreign Exchange	0	0	0.0%	516	290	77.9%	0	0	0.0%	4,034	6,155	-34.5%
Ag Products	0	0	0.0%	2,957,273	3,316,775	-10.8%	0	116,300	-100.0%	20,746,472	25,377,848	-18.2%
GRAND TOTAL	14,053,260	0	0.0%	167,377,789	159,303,077	5.1%	96,119,898	65,372,090	47.0%	1,276,275,513	1,442,878,265	-11.5%

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