

CME Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2021	Open Outcry AUG 2020	% CHG	ELEC AUG 2021	ELEC AUG 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	281	-100.0%	0	0	0.0%	0	818	-100.0%
EURODOLLARS	417,959	91,899	354.8%	40,044,762	28,429,547	40.9%	3,341,696	2,711,580	23.2%	385,387,637	376,109,129	2.5%
SOFR	0	0	0.0%	2,711,084	867,081	212.7%	0	0	0.0%	18,864,454	6,886,689	173.9%
SONIA	0	0	0.0%	37,166	211,585	-82.4%	0	0	0.0%	758,269	1,286,034	-41.0%
TIIE	0	-	-	364	-	-	0	-	-	447	-	-
Interest Rate Options												
EURODOLLARS	1,709,071	1,194,172	43.1%	892,729	2,661,354	-66.5%	20,302,391	49,323,768	-58.8%	10,448,504	98,749,424	-89.4%
EURO MIDCURVE	10,294,746	1,506,408	583.4%	4,466,659	2,620,287	70.5%	84,890,587	14,316,479	493.0%	42,093,139	41,854,716	0.6%
SOFR	0	0	0.0%	50	0	0.0%	7,000	10	69,900.0%	1,402	1,012	38.5%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	437,399	208,485	109.8%	0	0	0.0%	3,444,460	1,379,030	149.8%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,147	1,276	-10.1%	0	0	0.0%	20,366	16,295	25.0%
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%	211	0	0.0%	0	0	0.0%	347	2	17,250.0%
E-MINI MIDCAP	0	0	0.0%	190,673	238,139	-19.9%	0	0	0.0%	1,948,413	2,909,644	-33.0%
E-MINI NASDAQ 100	0	0	0.0%	10,421,341	9,516,478	9.5%	0	0	0.0%	89,223,370	96,464,139	-7.5%
E-MINI RUSSELL 1000	0	0	0.0%	2,673	1,135	135.5%	0	0	0.0%	31,141	26,924	15.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,169	1,056	10.7%	0	0	0.0%	20,788	22,612	-8.1%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,439	2,628	-7.2%	0	0	0.0%	60,329	42,390	42.3%
E-MINI RUSSELL 2000	0	0	0.0%	3,636,736	2,851,293	27.5%	0	0	0.0%	31,951,522	34,232,655	-6.7%
E-MINI S&P500	0	0	0.0%	24,895,767	26,654,619	-6.6%	0	0	0.0%	257,117,463	348,717,219	-26.3%
E-MINI S&P500 ESG	0	0	0.0%	5,667	3,465	63.5%	0	0	0.0%	97,600	50,849	91.9%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,502	1,810	-17.0%	0	0	0.0%	29,433	42,898	-31.4%
ETHER FUTURES	0	-	-	95,197	-	-	0	-	-	429,829	-	-
FT-SE 100	0	0	0.0%	0	0	0.0%	0	0	0.0%	191	0	0.0%
FTSE Emerging	0	0	0.0%	0	20	-100.0%	0	0	0.0%	5	4,500	-99.9%
IBOVESPA INDEX	0	0	0.0%	391	357	9.5%	0	0	0.0%	1,639	3,947	-58.5%
MICRO E-MINI NASDAQ 100	0	0	0.0%	16,000,710	12,797,950	25.0%	0	0	0.0%	154,367,071	100,588,916	53.5%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,756,828	1,579,494	74.5%	0	0	0.0%	24,831,651	16,249,439	52.8%

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Equity Index Futures												
MICRO E-MINI S&P500	0	0	0.0%	13,547,604	14,919,422	-9.2%	0	0	0.0%	141,543,317	144,287,643	-1.9%
NASDAQ-100 VOLATILITY	0	-	-	6	-	-	0	-	-	62	-	-
NASDAQ BIOTECH	0	0	0.0%	286	177	61.6%	0	0	0.0%	4,633	4,315	7.4%
Nearby BTIC+	0	0	0.0%	0	0	0.0%	0	0	0.0%	356	200	78.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	94,278	123,046	-23.4%	0	0	0.0%	967,252	1,689,313	-42.7%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	502,039	548,516	-8.5%	0	0	0.0%	4,978,689	8,283,206	-39.9%
S&P 500	0	0	0.0%	768	54	1,322.2%	0	33,712	-100.0%	12,519	19,077	-34.4%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	4,789	11,549	-58.5%	0	0	0.0%	114,080	194,425	-41.3%
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%	0	26	-100.0%	0	0	0.0%	724	8,214	-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%	4,598	2,782	65.3%	0	0	0.0%	74,646	49,758	50.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	10,201	6,165	65.5%	0	0	0.0%	128,337	82,851	54.9%
S&P ENERGY SECTOR	0	0	0.0%	17,608	7,498	134.8%	0	0	0.0%	209,878	127,121	65.1%
S&P FINANCIAL SECTOR	0	0	0.0%	12,144	9,012	34.8%	0	0	0.0%	250,148	135,427	84.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,465	6,181	37.0%	0	0	0.0%	108,155	95,332	13.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,958	4,611	29.2%	0	0	0.0%	81,997	63,254	29.6%
S&P MATERIALS SECTOR	0	0	0.0%	5,422	2,201	146.3%	0	0	0.0%	67,077	37,182	80.4%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,063	4,702	28.9%	0	0	0.0%	87,434	75,175	16.3%
S&P UTILITIES SECTOR	0	0	0.0%	14,122	9,447	49.5%	0	0	0.0%	115,523	107,583	7.4%
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	-	-	67	-	-	0	-	-	925	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	3,873	6,075	-36.2%	0	0	0.0%	13,710	58,639	-76.6%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	831	1,609	-48.4%	0	0	0.0%	9,039	7,368	22.7%
E-MINI NASDAQ 100	0	0	0.0%	614,763	341,907	79.8%	0	0	0.0%	4,383,348	2,624,759	67.0%
E-MINI RUSSELL 2000	0	0	0.0%	33,490	12,979	158.0%	0	0	0.0%	227,863	142,742	59.6%
E-MINI S&P500	0	0	0.0%	5,988,691	5,447,874	9.9%	0	250	-100.0%	45,744,056	61,106,541	-25.1%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	14,709	8,107	81.4%	0	0	0.0%	163,428	69,191	136.2%
EOM EMINI S&P	0	0	0.0%	1,283,880	1,179,891	8.8%	0	0	0.0%	14,088,841	16,441,837	-14.3%
EOM S&P 500	0	0	0.0%	2	0	0.0%	0	303,360	-100.0%	2,158	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	17,918	4,288	317.9%	0	0	0.0%	83,747	38,418	118.0%
EOW1 EMINI S&P 500	0	0	0.0%	1,102,798	921,358	19.7%	0	0	0.0%	7,631,470	8,215,395	-7.1%
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%	15,540	3,683	321.9%	0	0	0.0%	102,700	31,707	223.9%
EOW2 EMINI S&P 500	0	0	0.0%	951,977	990,676	-3.9%	0	0	0.0%	8,275,872	8,719,717	-5.1%
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%	41,762	8,981	365.0%	0	0	0.0%	245,176	149,178	64.4%
EOW3 EMINI S&P 500	0	0	0.0%	2,151,987	1,914,440	12.4%	0	0	0.0%	16,737,070	19,863,625	-15.7%
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%	22,221	4,386	406.6%	0	0	0.0%	114,785	27,706	314.3%
EOW4 EMINI S&P 500	0	0	0.0%	1,070,484	826,856	29.5%	0	0	0.0%	6,158,621	6,847,944	-10.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	35,642	127	27,964.6%	0	0	0.0%	249,624	127	196,454.3%
MICRO E-MINI S&P500	0	0	0.0%	145,485	1,688	8,518.8%	0	0	0.0%	1,123,218	1,688	66,441.4%
S&P 500	0	0	0.0%	0	0	0.0%	0	677,812	-100.0%	200	7,113	-97.2%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	2	0	0.0%	0	0	0.0%	148	77	92.2%
AD/JY CROSS RATES	0	0	0.0%	1,925	1,389	38.6%	0	0	0.0%	17,023	21,828	-22.0%
AD/NE CROSS RATES	0	0	0.0%	717	252	184.5%	0	0	0.0%	2,003	2,393	-16.3%
AUSTRALIAN DOLLAR	0	0	0.0%	1,645,519	1,715,732	-4.1%	0	0	0.0%	16,311,741	17,210,868	-5.2%
BP/JY CROSS RATES	0	0	0.0%	2,076	2,056	1.0%	0	0	0.0%	19,223	26,545	-27.6%
BP/SF CROSS RATES	0	0	0.0%	1,003	137	632.1%	0	0	0.0%	5,242	3,533	48.4%
BRAZIL REAL	0	0	0.0%	277,599	182,783	51.9%	0	0	0.0%	1,928,430	1,533,620	25.7%
BRITISH POUND	0	0	0.0%	1,588,222	1,963,640	-19.1%	0	0	0.0%	15,395,349	17,296,187	-11.0%
CANADIAN DOLLAR	0	0	0.0%	1,501,279	1,276,888	17.6%	0	0	0.0%	13,056,643	12,738,576	2.5%

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FX Futures												
CD/JY CROSS RATES	0	0	0.0%	253	8	3,062.5%	0	0	0.0%	1,364	368	270.7%
CHINESE RENMINBI (CNH)	0	0	0.0%	15,564	21,380	-27.2%	0	0	0.0%	129,995	146,440	-11.2%
CZECK KORUNA (EC)	0	0	0.0%	0	3	-100.0%	0	0	0.0%	2	24	-91.7%
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	5	-	-
EC/AD CROSS RATES	0	0	0.0%	1,873	2,837	-34.0%	0	0	0.0%	33,653	47,957	-29.8%
EC/CD CROSS RATES	0	0	0.0%	2,639	2,167	21.8%	0	0	0.0%	49,305	34,300	43.7%
EC/NOK CROSS RATES	0	0	0.0%	161	5	3,120.0%	0	0	0.0%	4,131	1,402	194.7%
EC/SEK CROSS RATES	0	0	0.0%	101	69	46.4%	0	0	0.0%	4,374	4,590	-4.7%
EFX/BP CROSS RATES	0	0	0.0%	29,186	25,552	14.2%	0	0	0.0%	401,750	527,805	-23.9%
EFX/JY CROSS RATES	0	0	0.0%	15,351	17,877	-14.1%	0	0	0.0%	276,827	472,191	-41.4%
EFX/SF CROSS RATES	0	0	0.0%	15,200	15,161	0.3%	0	0	0.0%	161,883	306,034	-47.1%
E-MICRO USD/CAD	0	-	-	100	-	-	0	-	-	252	-	-
E-MICRO USD/CHF	0	-	-	17	-	-	0	-	-	29	-	-
E-MICRO USD/JPY	0	-	-	9	-	-	0	-	-	9	-	-
E-MINI EURO FX	0	0	0.0%	76,370	164,580	-53.6%	0	0	0.0%	992,307	1,228,256	-19.2%
E-MINI JAPANESE YEN	0	0	0.0%	9,115	12,649	-27.9%	0	0	0.0%	71,929	193,112	-62.8%
EURO FX	0	0	0.0%	2,900,806	4,289,722	-32.4%	0	36	-100.0%	31,252,269	36,390,889	-14.1%
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%	11	6	83.3%	0	0	0.0%	137	73	87.7%
INDIAN RUPEE	0	0	0.0%	10,049	22,705	-55.7%	0	0	0.0%	107,880	215,121	-49.9%
JAPANESE YEN	0	0	0.0%	1,958,118	1,848,795	5.9%	0	0	0.0%	17,062,871	20,396,282	-16.3%
KOREAN WON	0	0	0.0%	383	243	57.6%	0	0	0.0%	10,951	4,395	149.2%
MEXICAN PESO	0	0	0.0%	969,802	791,175	22.6%	0	0	0.0%	8,655,033	9,227,432	-6.2%
MICRO AUD/USD	0	0	0.0%	166,180	228,441	-27.3%	0	0	0.0%	1,685,694	1,985,603	-15.1%
MICRO CAD/USD	0	0	0.0%	60,041	46,958	27.9%	0	0	0.0%	437,065	224,756	94.5%
MICRO CHF/USD	0	0	0.0%	7,044	4,136	70.3%	0	0	0.0%	69,867	28,027	149.3%
MICRO EUR/USD	0	0	0.0%	378,855	652,308	-41.9%	0	0	0.0%	3,916,474	3,758,632	4.2%
MICRO GBP/USD	0	0	0.0%	64,643	65,536	-1.4%	0	0	0.0%	577,692	461,761	25.1%
MICRO INR/USD	0	0	0.0%	1,130	1,602	-29.5%	0	0	0.0%	14,781	18,353	-19.5%
MICRO JPY/USD	0	0	0.0%	31,784	27,335	16.3%	0	0	0.0%	260,496	244,636	6.5%
MICRO USD/CNH	0	-	-	0	-	-	0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	613,492	588,574	4.2%	0	0	0.0%	4,776,152	5,072,175	-5.8%
NKR/USD CROSS RATE	0	0	0.0%	3,325	1,681	97.8%	0	0	0.0%	36,621	37,658	-2.8%
POLISH ZLOTY (EC)	0	0	0.0%	32	12	166.7%	0	0	0.0%	968	459	110.9%
POLISH ZLOTY (US)	0	0	0.0%	363	757	-52.0%	0	0	0.0%	6,584	5,957	10.5%

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FX Futures												
RMB USD	0	0	0.0%	1	0	0.0%	0	0	0.0%	3	4	-25.0%
RUSSIAN RUBLE	0	0	0.0%	102,943	79,136	30.1%	0	0	0.0%	786,342	901,231	-12.7%
S.AFRICAN RAND	0	0	0.0%	65,412	66,628	-1.8%	0	0	0.0%	427,478	619,551	-31.0%
SF/JY CROSS RATES	0	0	0.0%	38	5	660.0%	0	0	0.0%	215	228	-5.7%
SHEKEL	0	0	0.0%	1	1	0.0%	0	0	0.0%	16	94	-83.0%
SKR/USD CROSS RATES	0	0	0.0%	5,852	2,024	189.1%	0	0	0.0%	36,602	29,458	24.3%
SWISS FRANC	0	0	0.0%	437,440	510,044	-14.2%	0	0	0.0%	3,820,337	4,770,375	-19.9%
TURKISH LIRA	0	0	0.0%	0	34	-100.0%	0	0	0.0%	8	52	-84.6%
USDZAR	0	0	0.0%	4	0	0.0%	0	0	0.0%	64	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	4	0	0.0%	0	0	0.0%	2,429	2,776	-12.5%
AUD/USD MONDAY OPTION W	0	0	0.0%	300	234	28.2%	0	0	0.0%	2,929	1,492	96.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	249	339	-26.5%	0	0	0.0%	2,934	2,290	28.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	586	191	206.8%	0	0	0.0%	3,598	1,166	208.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	1,347	13	10,261.5%	0	0	0.0%	1,370	722	89.8%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	58,043	39,100	48.4%	0	0	0.0%	381,391	621,645	-38.6%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	234	0	0.0%	0	0	0.0%	4,231	3,153	34.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,456	2,550	-3.7%	0	0	0.0%	13,115	37,062	-64.6%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,072	2,432	-14.8%	0	0	0.0%	20,161	31,857	-36.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,965	2,413	-18.6%	0	0	0.0%	22,728	33,874	-32.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	4,857	12,603	-61.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	360	867	-58.5%	0	0	0.0%	8,586	10,531	-18.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	668	507	31.8%	0	0	0.0%	6,060	12,042	-49.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	59	121	-51.2%	0	0	0.0%	2,736	7,209	-62.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	195	806	-75.8%	0	0	0.0%	7,525	11,474	-34.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,408	4,219	-66.6%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	332	0	0.0%	0	0	0.0%	2,590	663	290.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,961	2,359	152.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,118	735	52.1%	0	0	0.0%	10,542	1,364	672.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	858	857	0.1%	0	0	0.0%	3,896	4,728	-17.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	3,990	672	493.8%	0	0	0.0%	14,203	4,513	214.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	2,535	2,224	14.0%	0	0	0.0%	3,147	3,085	2.0%

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FX Options												
CAD/USD MONTHLY OPTIONS	0	0	0.0%	91,710	29,123	214.9%	0	430	-100.0%	518,193	409,329	26.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	32	0	0.0%	0	0	0.0%	15,009	6,030	148.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,549	8,013	-18.3%	0	0	0.0%	37,122	57,656	-35.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,364	6,557	27.6%	0	0	0.0%	55,470	51,498	7.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	12,498	5,177	141.4%	0	0	0.0%	60,886	56,558	7.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	15,578	25,272	-38.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,540	2,263	56.4%	0	0	0.0%	12,867	20,054	-35.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,511	1,814	93.6%	0	0	0.0%	15,571	14,855	4.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,463	1,214	20.5%	0	0	0.0%	12,279	15,956	-23.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,179	2,139	-44.9%	0	0	0.0%	12,542	20,347	-38.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,241	7,730	-58.1%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	4,835	2,771	74.5%	0	0	0.0%	37,633	26,228	43.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	83	0	0.0%	0	0	0.0%	301	37	713.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	418	206	102.9%	0	0	0.0%	2,193	1,502	46.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	130	156	-16.7%	0	0	0.0%	1,543	1,004	53.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	36	105	-65.7%	0	0	0.0%	2,330	877	165.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	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%	86	30	186.7%	0	0	0.0%	15,135	11,209	35.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,385	1,027	34.9%	0	0	0.0%	13,014	7,324	77.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,518	3,141	12.0%	0	0	0.0%	11,718	17,331	-32.4%
EUR/USD MONDAY OPTION W	0	0	0.0%	882	2,916	-69.8%	0	0	0.0%	18,819	16,579	13.5%
EUR/USD MONDAY OPTION W	0	0	0.0%	4,358	1,672	160.6%	0	0	0.0%	5,945	7,186	-17.3%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	164,035	199,455	-17.8%	0	1,550	-100.0%	1,596,948	2,371,534	-32.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	153	2	7,550.0%	0	0	0.0%	30,487	11,075	175.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,396	15,630	-1.5%	0	62	-100.0%	106,754	166,103	-35.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	18,459	19,023	-3.0%	0	0	0.0%	157,413	173,886	-9.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,613	17,839	-6.9%	0	0	0.0%	142,210	180,770	-21.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	58,205	59,845	-2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,390	9,033	-29.3%	0	0	0.0%	53,000	77,623	-31.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,060	10,349	-41.4%	0	0	0.0%	58,951	68,278	-13.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,006	5,362	30.7%	0	0	0.0%	56,826	67,195	-15.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,103	7,707	5.1%	0	0	0.0%	71,764	61,429	16.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	12,636	23,314	-45.8%

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FX Options												
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,127	3,671	-14.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	587	83	607.2%	0	0	0.0%	4,969	2,646	87.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	180	0	0.0%	0	0	0.0%	1,887	4,333	-56.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,483	0	0.0%	0	0	0.0%	4,258	5,595	-23.9%
GBP/USD MONDAY OPTION W	0	0	0.0%	254	273	-7.0%	0	0	0.0%	654	1,435	-54.4%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	57,377	62,326	-7.9%	0	64	-100.0%	580,486	665,669	-12.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	70	470	-85.1%	0	0	0.0%	8,176	3,737	118.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,759	5,330	-29.5%	0	0	0.0%	20,405	31,379	-35.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,979	5,225	-62.1%	0	0	0.0%	22,804	28,961	-21.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,459	2,429	-39.9%	0	0	0.0%	26,981	27,693	-2.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.0%	0	0	0.0%	7,912	11,786	-32.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	651	904	-28.0%	0	0	0.0%	9,388	13,573	-30.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	108	253	-57.3%	0	0	0.0%	5,270	7,382	-28.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	809	500	61.8%	0	0	0.0%	5,597	12,249	-54.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	522	466	12.0%	0	0	0.0%	8,036	10,542	-23.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	1,901	5,534	-65.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.0%	0	0	0.0%	3,096	5,959	-48.0%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,376	1,944	-29.2%	0	0	0.0%	4,290	10,123	-57.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	879	1,558	-43.6%	0	0	0.0%	3,481	6,362	-45.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	369	764	-51.7%	0	0	0.0%	1,662	3,113	-46.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,384	1,290	84.8%	0	0	0.0%	2,697	2,653	1.7%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	72,861	74,488	-2.2%	0	727	-100.0%	623,492	1,027,717	-39.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10	0	0.0%	0	0	0.0%	20,927	5,689	267.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,257	9,382	-12.0%	0	0	0.0%	44,103	96,884	-54.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,399	8,370	-11.6%	0	0	0.0%	74,659	103,101	-27.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,454	6,459	92.8%	0	0	0.0%	70,284	95,267	-26.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	25,004	36,879	-32.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,709	3,020	-10.3%	0	0	0.0%	20,009	43,935	-54.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,186	3,774	-15.6%	0	0	0.0%	27,042	35,117	-23.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,002	4,001	-25.0%	0	0	0.0%	25,363	40,373	-37.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,336	3,625	-8.0%	0	0	0.0%	22,875	43,754	-47.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	5,541	8,991	-38.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	923	941	-1.9%	0	1,840	-100.0%	7,881	11,242	-29.9%
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	1,384	-100.0%	0	0	0.0%	604	1,609	-62.5%

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FX Options												
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	895	-100.0%	0	0	0.0%	552	1,898	-70.9%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	417	-100.0%	0	0	0.0%	331	1,600	-79.3%
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%	42	84	-50.0%	0	0	0.0%	1,329	4,635	-71.3%
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%	12	0	0.0%	0	0	0.0%	12	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%	277	269	3.0%	0	0	0.0%	4,311	6,424	-32.9%

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Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	741	207	258.0%	0	0	0.0%	5,544	2,060	169.1%
BUTTER CS	0	0	0.0%	3,337	5,078	-34.3%	0	0	0.0%	31,750	46,927	-32.3%
CASH-SETTLED CHEESE	0	0	0.0%	11,100	13,114	-15.4%	0	0	0.0%	92,966	106,321	-12.6%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,111,485	1,118,865	-0.7%	0	2,592	-100.0%	9,431,931	11,431,003	-17.5%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
CLASS IV MILK	0	0	0.0%	1,688	1,633	3.4%	0	65	-100.0%	7,321	19,777	-63.0%
DRY WHEY	0	0	0.0%	933	1,451	-35.7%	0	0	0.0%	17,011	11,657	45.9%
FEEDER CATTLE	0	0	0.0%	314,462	268,779	17.0%	0	54	-100.0%	1,999,036	2,203,304	-9.3%
GOLDMAN SACHS	0	0	0.0%	4,116	12,494	-67.1%	0	0	0.0%	76,995	125,152	-38.5%
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%	785,763	749,748	4.8%	0	1,940	-100.0%	7,832,852	8,735,658	-10.3%
HOUSING INDEX	0	0	0.0%	20	18	11.1%	0	0	0.0%	96	243	-60.5%
LUMBER	0	0	0.0%	8,460	23,986	-64.7%	0	0	0.0%	83,626	113,647	-26.4%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	25,097	37,595	-33.2%	0	59	-100.0%	189,366	289,506	-34.6%
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%	4,373	5,723	-23.6%	0	0	0.0%	43,010	68,588	-37.3%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	-	-	975	-	-	0	-	-	21,788	-	-
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%	72	370	-80.5%	0	2,052	-100.0%	2,382	5,422	-56.1%
BUTTER CS	0	0	0.0%	423	877	-51.8%	0	212	-100.0%	15,623	25,853	-39.6%
CASH-SETTLED CHEESE	0	0	0.0%	3,531	12,327	-71.4%	0	5,682	-100.0%	56,238	89,801	-37.4%
CATTLE	0	0	0.0%	186,486	183,656	1.5%	0	59,913	-100.0%	1,490,828	1,863,590	-20.0%
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%	3,094	2,051	50.9%	0	1,082	-100.0%	25,720	42,466	-39.4%
DRY WHEY	0	0	0.0%	69	35	97.1%	0	119	-100.0%	1,654	4,152	-60.2%
FEEDER CATTLE	0	0	0.0%	21,039	23,338	-9.9%	0	4,252	-100.0%	170,543	210,737	-19.1%
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%	193,411	187,206	3.3%	0	34,430	-100.0%	1,619,412	2,206,602	-26.6%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	0	0.0%	430	1,268	-66.1%	0	0	0.0%	6,180	7,614	-18.8%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	20,318	35,030	-42.0%	0	3,323	-100.0%	197,764	400,627	-50.6%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	31	-100.0%	11	86	-87.2%
NFD MILK	0	0	0.0%	1,749	3,065	-42.9%	0	494	-100.0%	29,158	54,850	-46.8%
PORK CUTOOT	0	-	-	1	-	-	0	-	-	739	-	-
TOTAL FUTURES GROUP												
Interest Rate Futures	417,959	91,899	354.8%	42,793,376	29,508,494	45.0%	3,341,696	2,711,580	23.2%	405,010,807	384,282,670	5.4%
Equity Index Futures	0	0	0.0%	72,688,141	69,519,669	4.6%	0	33,712	-100.0%	712,335,080	756,070,174	-5.8%
FX Futures	0	0	0.0%	12,962,030	14,633,023	-11.4%	0	36	-100.0%	122,806,253	136,189,317	-9.8%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	2,272,550	2,238,691	1.5%	0	4,710	-100.0%	19,833,393	23,153,962	-14.3%
TOTAL FUTURES	417,959	91,899	354.8%	130,716,097	115,899,877	12.8%	3,341,696	2,750,038	21.5%	1,259,985,533	1,299,696,123	-3.1%

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 AUG 2021	Open Outcry AUG 2020	% CHG	ELEC AUG 2021	ELEC AUG 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%	13,492,180	11,668,850	15.6%	0	1,658,011	-100.0%	105,341,216	124,295,056	-15.2%
Interest Rate Options	12,003,817	2,700,580	344.5%	5,359,438	5,281,641	1.5%	105,199,978	63,640,257	65.3%	52,543,045	140,605,152	-62.6%
FX Options	0	0	0.0%	652,600	607,440	7.4%	0	4,673	-100.0%	5,436,371	7,271,010	-25.2%
Ag Products Options	0	0	0.0%	430,623	449,223	-4.1%	0	111,590	-100.0%	3,616,252	4,911,800	-26.4%
Foreign Exchange Options	0	0	0.0%	277	269	3.0%	0	0	0.0%	4,311	6,424	-32.9%
TOTAL OPTIONS	12,003,817	2,700,580	344.5%	19,935,118	18,007,423	10.7%	105,199,978	65,414,531	60.8%	166,941,195	277,089,442	-39.8%
TOTAL COMBINED												
Interest Rate	12,421,776	2,792,479	344.8%	48,152,814	34,790,135	38.4%	108,541,674	66,351,837	63.6%	457,553,852	524,887,822	-12.8%
Equity Index	0	0	0.0%	86,180,321	81,188,519	6.1%	0	1,691,723	-100.0%	817,676,296	880,365,230	-7.1%
FX	0	0	0.0%	13,614,630	15,240,463	-10.7%	0	4,709	-100.0%	128,242,624	143,460,327	-10.6%
Foreign Exchange	0	0	0.0%	277	269	3.0%	0	0	0.0%	4,311	6,424	-32.9%
Ag Products	0	0	0.0%	2,703,173	2,687,914	0.6%	0	116,300	-100.0%	23,449,645	28,065,762	-16.4%
GRAND TOTAL	12,421,776	2,792,479	344.8%	150,651,215	133,907,300	12.5%	108,541,674	68,164,569	59.2%	1,426,926,728	1,576,785,565	-9.5%