

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2020	Open Outcry OCT 2019	% CHG	ELEC OCT 2020	ELEC OCT 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>Interest Rate Futures</b>												
1-MONTH EURODOLLAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	826	404	104.5%
EURODOLLARS	115,114	481,909	-76.1%	26,285,260	52,017,579	-49.5%	2,945,882	7,602,314	-61.3%	429,575,295	596,739,295	-28.0%
SOFR	0	0	0.0%	1,197,844	958,146	25.0%	0	0	0.0%	9,216,145	6,951,056	32.6%
SONIA	0	0	0.0%	197,486	188,719	4.6%	0	0	0.0%	1,673,444	1,806,989	-7.4%
<b>Interest Rate Options</b>												
EURODOLLARS	1,469,240	11,417,928	-87.1%	1,785,074	9,228,559	-80.7%	52,761,627	139,706,316	-62.2%	102,713,415	83,572,511	22.9%
EURO MIDCURVE	3,935,859	4,914,743	-19.9%	2,435,631	3,576,011	-31.9%	20,289,433	66,812,810	-69.6%	46,306,613	53,813,989	-14.0%
SOFR	0	-	-	100	-	-	10	-	-	1,112	-	-
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	161,389	93,413	72.8%	0	0	0.0%	1,741,794	1,388,748	25.4%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,280	756	69.3%	0	0	0.0%	23,783	25,486	-6.7%
E-mini FTSE 100 (USD)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	336	-100.0%
E-mini FTSE China 50	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	711	-99.7%
E-MINI MIDCAP	0	0	0.0%	281,358	267,955	5.0%	0	0	0.0%	3,678,150	3,328,237	10.5%
E-MINI NASDAQ 100	0	0	0.0%	13,129,062	9,455,055	38.9%	0	0	0.0%	125,673,899	99,803,061	25.9%
E-MINI RUSSELL 1000	0	0	0.0%	725	2,646	-72.6%	0	0	0.0%	34,851	34,272	1.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	911	1,593	-42.8%	0	0	0.0%	29,176	34,168	-14.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	3,870	3,513	10.2%	0	0	0.0%	59,197	71,670	-17.4%
E-MINI RUSSELL 2000	0	0	0.0%	3,765,221	2,677,268	40.6%	0	0	0.0%	42,997,863	30,583,547	40.6%
E-MINI S&P500	0	0	0.0%	35,899,372	30,842,923	16.4%	0	0	0.0%	434,593,901	335,110,440	29.7%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,114	9,787	-88.6%	0	0	0.0%	49,844	36,931	35.0%
FT-SE 100	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	372	-100.0%
FTSE Emerging	0	0	0.0%	198	2,112	-90.6%	0	0	0.0%	4,743	21,400	-77.8%
IBOVESPA INDEX	0	0	0.0%	244	994	-75.5%	0	0	0.0%	4,338	6,936	-37.5%
MICRO E-MINI NASDAQ 100	0	0	0.0%	19,375,555	4,776,826	305.6%	0	0	0.0%	142,157,515	25,468,538	458.2%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,707,159	765,506	123.0%	0	0	0.0%	19,970,622	3,966,739	403.5%
MICRO E-MINI S&P500	0	0	0.0%	21,853,883	6,462,781	238.1%	0	0	0.0%	189,941,154	35,256,476	438.7%
NASDAQ BIOTECH	0	0	0.0%	167	371	-55.0%	0	0	0.0%	4,945	3,547	39.4%
Nearby BTIC+	0	0	0.0%	0	24	-100.0%	0	0	0.0%	200	24	733.3%

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<b>Equity Index Futures</b>												
NIFTY 50	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	105,202	197,004	-46.6%	0	0	0.0%	1,972,530	2,232,978	-11.7%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	642,385	878,117	-26.8%	0	228	-100.0%	9,780,884	8,281,168	18.1%
S&P 500	0	5,474	-100.0%	1,220	1,745	-30.1%	33,712	221,012	-84.7%	20,502	16,310	25.7%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	15,726	9,700	62.1%	0	0	0.0%	228,376	94,501	141.7%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	60	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	251	621	-59.6%	0	0	0.0%	8,555	1,822	369.5%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	17	-100.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	8,108	4,528	79.1%	0	0	0.0%	71,680	67,848	5.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	9,077	5,650	60.7%	0	0	0.0%	120,228	104,645	14.9%
S&P ENERGY SECTOR	0	0	0.0%	19,973	7,937	151.6%	0	0	0.0%	185,320	114,754	61.5%
S&P FINANCIAL SECTOR	0	0	0.0%	15,868	12,000	32.2%	0	0	0.0%	175,947	180,893	-2.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	9,957	9,841	1.2%	0	0	0.0%	126,518	111,002	14.0%
S&P INDUSTRIAL SECTOR	0	0	0.0%	8,341	6,607	26.2%	0	0	0.0%	89,640	80,686	11.1%
S&P MATERIALS SECTOR	0	0	0.0%	5,546	4,342	27.7%	0	0	0.0%	51,047	56,731	-10.0%
S&P TECHNOLOGY SECTOR	0	0	0.0%	10,929	8,353	30.8%	0	0	0.0%	109,066	98,199	11.1%
S&P UTILITIES SECTOR	0	0	0.0%	10,632	7,752	37.2%	0	0	0.0%	141,194	158,674	-11.0%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	72	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	5,838	21,982	-73.4%	0	0	0.0%	70,405	191,751	-63.3%

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<b>Equity Index Options</b>												
BITCOIN FUTURES	0	-	-	3,527	-	-	0	-	-	14,415	-	-
E-MINI NASDAQ 100	0	0	0.0%	335,644	204,997	63.7%	0	0	0.0%	3,456,499	2,099,246	64.7%
E-MINI RUSSELL 2000	0	0	0.0%	15,295	21,801	-29.8%	0	0	0.0%	176,020	154,424	14.0%
E-MINI S&P500	0	0	0.0%	5,728,915	6,028,328	-5.0%	250	600	-58.3%	73,494,700	55,070,793	33.5%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	12,182	6,445	89.0%	0	0	0.0%	89,206	87,620	1.8%
EOM EMINI S&P	0	0	0.0%	2,243,491	1,886,967	18.9%	0	0	0.0%	20,635,485	19,577,865	5.4%
EOM S&P 500	0	75,688	-100.0%	2,749	0	0.0%	303,360	1,167,165	-74.0%	4,389	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,285	3,215	-28.9%	0	0	0.0%	44,457	35,191	26.3%
EOW1 EMINI S&P 500	0	0	0.0%	956,541	1,259,786	-24.1%	0	0	0.0%	10,599,502	10,175,178	4.2%
EOW1 S&P 500	0	104,205	-100.0%	21,384	0	0.0%	157,788	738,544	-78.6%	42,879	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	30,428	4,232	619.0%	0	0	0.0%	66,729	50,996	30.9%
EOW2 EMINI S&P 500	0	0	0.0%	1,066,905	1,247,329	-14.5%	0	0	0.0%	10,926,745	10,282,507	6.3%
EOW2 S&P 500	0	157,123	-100.0%	30,416	0	0.0%	252,530	1,294,691	-80.5%	47,304	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,624	34,711	-55.0%	0	0	0.0%	175,138	152,099	15.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,724,091	3,337,079	-18.4%	0	0	0.0%	24,395,377	24,264,379	0.5%
EOW3 S&P 500	0	170,528	-100.0%	52,141	0	0.0%	266,271	1,282,142	-79.2%	70,743	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,957	2,895	71.2%	0	0	0.0%	36,492	32,966	10.7%
EOW4 EMINI S&P 500	0	0	0.0%	946,976	818,169	15.7%	0	0	0.0%	9,165,307	8,624,634	6.3%
EOW4 S&P 500	0	-	-	23,312	-	-	0	-	-	62,128	-	-
MICRO E-MINI NASDAQ 100	0	-	-	660	-	-	0	-	-	3,423	-	-
MICRO E-MINI S&P500	0	-	-	12,060	-	-	0	-	-	45,575	-	-
S&P 500	0	170,227	-100.0%	400	0	0.0%	677,812	2,310,947	-70.7%	7,913	0	0.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	0	9	-100.0%	0	0	0.0%	80	142	-43.7%
AD/JY CROSS RATES	0	0	0.0%	1,698	2,074	-18.1%	0	0	0.0%	25,356	26,683	-5.0%
AD/NE CROSS RATES	0	0	0.0%	135	182	-25.8%	0	0	0.0%	2,740	1,466	86.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,927,726	2,068,502	-6.8%	0	0	0.0%	21,551,549	21,066,387	2.3%
BP/JY CROSS RATES	0	0	0.0%	2,066	3,115	-33.7%	0	0	0.0%	31,800	31,564	0.7%
BP/SF CROSS RATES	0	0	0.0%	126	349	-63.9%	0	0	0.0%	4,028	4,063	-0.9%
BRAZIL REAL	0	0	0.0%	152,018	170,987	-11.1%	0	0	0.0%	1,888,787	1,314,879	43.6%
BRITISH POUND	0	0	0.0%	2,404,566	3,393,507	-29.1%	0	3	-100.0%	22,632,613	25,450,147	-11.1%

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<b>FX Futures</b>												
CANADIAN DOLLAR	0	0	0.0%	1,523,737	1,877,364	-18.8%	0	3	-100.0%	16,149,823	16,654,120	-3.0%
CD/JY CROSS RATES	0	0	0.0%	23	4	475.0%	0	0	0.0%	398	131	203.8%
CHINESE RENMINBI (CNH)	0	0	0.0%	29,901	28,190	6.1%	0	0	0.0%	203,415	282,996	-28.1%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	26	30	-13.3%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	3,208	3,288	-2.4%	0	0	0.0%	59,925	45,940	30.4%
EC/CD CROSS RATES	0	0	0.0%	1,917	1,862	3.0%	0	0	0.0%	44,257	31,962	38.5%
EC/NOK CROSS RATES	0	0	0.0%	8	801	-99.0%	0	0	0.0%	1,765	5,223	-66.2%
EC/SEK CROSS RATES	0	0	0.0%	136	305	-55.4%	0	0	0.0%	5,862	6,610	-11.3%
EFX/BP CROSS RATES	0	0	0.0%	29,342	118,190	-75.2%	0	0	0.0%	658,311	966,871	-31.9%
EFX/JY CROSS RATES	0	0	0.0%	21,491	66,602	-67.7%	0	0	0.0%	568,674	685,055	-17.0%
EFX/SF CROSS RATES	0	0	0.0%	13,630	27,910	-51.2%	0	0	0.0%	351,967	348,491	1.0%
E-MINI EURO FX	0	0	0.0%	125,174	73,328	70.7%	0	0	0.0%	1,556,514	954,581	63.1%
E-MINI JAPANESE YEN	0	0	0.0%	6,438	21,976	-70.7%	0	0	0.0%	209,280	173,402	20.7%
EURO FX	0	0	0.0%	3,712,885	3,888,649	-4.5%	36	60	-40.0%	45,939,032	43,505,929	5.6%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	9	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	3	0.0%	0	0	0.0%	103	12	758.3%
INDIAN RUPEE	0	0	0.0%	20,347	35,772	-43.1%	0	0	0.0%	258,622	688,435	-62.4%
JAPANESE YEN	0	0	0.0%	1,757,928	2,559,512	-31.3%	0	2	-100.0%	24,218,082	27,132,323	-10.7%
KOREAN WON	0	0	0.0%	906	310	192.3%	0	0	0.0%	5,934	3,041	95.1%
MEXICAN PESO	0	0	0.0%	1,150,497	1,156,228	-0.5%	0	0	0.0%	11,981,569	12,629,664	-5.1%
MICRO AUD/USD	0	0	0.0%	200,786	90,026	123.0%	0	0	0.0%	2,450,672	1,051,265	133.1%
MICRO CAD/USD	0	0	0.0%	27,307	17,886	52.7%	0	0	0.0%	290,438	172,232	68.6%
MICRO CHF/USD	0	0	0.0%	5,679	5,053	12.4%	0	0	0.0%	41,343	30,913	33.7%
MICRO EUR/USD	0	0	0.0%	459,026	187,914	144.3%	0	0	0.0%	4,911,000	2,347,180	109.2%
MICRO GBP/USD	0	0	0.0%	93,773	131,981	-28.9%	0	0	0.0%	693,488	528,900	31.1%
MICRO INR/USD	0	0	0.0%	1,917	4,361	-56.0%	0	0	0.0%	21,958	49,363	-55.5%
MICRO JPY/USD	0	0	0.0%	22,236	24,546	-9.4%	0	0	0.0%	291,586	286,883	1.6%
NEW ZEALND DOLLAR	0	0	0.0%	460,041	511,141	-10.0%	0	0	0.0%	6,193,089	5,737,829	7.9%
NKR/USD CROSS RATE	0	0	0.0%	1,346	4,026	-66.6%	0	0	0.0%	44,815	47,438	-5.5%
POLISH ZLOTY (EC)	0	0	0.0%	10	12	-16.7%	0	0	0.0%	586	452	29.6%
POLISH ZLOTY (US)	0	0	0.0%	771	165	367.3%	0	0	0.0%	8,288	1,105	650.0%
RMB USD	0	0	0.0%	0	1	-100.0%	0	0	0.0%	4	8	-50.0%
RUSSIAN RUBLE	0	0	0.0%	80,406	47,792	68.2%	0	0	0.0%	1,117,405	723,793	54.4%
S.AFRICAN RAND	0	0	0.0%	50,492	69,478	-27.3%	0	0	0.0%	780,761	524,170	49.0%

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<b>FX Futures</b>												
SF/JY CROSS RATES	0	0	0.0%	4	14	-71.4%	0	0	0.0%	234	25	836.0%
SHEKEL	0	0	0.0%	8	13	-38.5%	0	0	0.0%	113	13	769.2%
SKR/USD CROSS RATES	0	0	0.0%	4,141	2,688	54.1%	0	0	0.0%	39,979	27,181	47.1%
SWISS FRANC	0	0	0.0%	405,836	644,835	-37.1%	0	0	0.0%	5,819,665	5,781,239	0.7%
TURKISH LIRA	0	0	0.0%	0	2	-100.0%	0	0	0.0%	88	70	25.7%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	20	-100.0%
<b>FX Options</b>												
AUD/USD MONDAY OPTION W	0	-	-	139	-	-	0	-	-	3,526	-	-
AUD/USD MONDAY OPTION W	0	-	-	11	-	-	0	-	-	1,683	-	-
AUD/USD MONDAY OPTION W	0	-	-	214	-	-	0	-	-	2,540	-	-
AUD/USD MONDAY OPTION W	0	-	-	627	-	-	0	-	-	2,341	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	722	-	-
AUD/USD MONTHLY OPTIONS	0	0	0.0%	47,481	89,994	-47.2%	0	0	0.0%	724,411	703,497	3.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	185	6,746	-97.3%	0	0	0.0%	5,583	21,362	-73.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	683	5,220	-86.9%	0	0	0.0%	38,596	58,639	-34.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,677	9,481	-82.3%	0	0	0.0%	35,736	65,496	-45.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,145	6,603	-67.5%	0	0	0.0%	39,676	67,024	-40.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,083	505	708.5%	0	0	0.0%	17,321	16,540	4.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,447	1,338	8.1%	0	0	0.0%	12,991	16,912	-23.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	461	1,102	-58.2%	0	0	0.0%	12,886	17,241	-25.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	588	1,026	-42.7%	0	0	0.0%	7,990	8,138	-1.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,456	1,478	-1.5%	0	0	0.0%	13,540	13,265	2.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	1,363	-100.0%	0	0	0.0%	5,691	5,187	9.7%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	2	332	-99.4%	0	0	0.0%	677	728	-7.0%
CAD/USD MONDAY OPTIONS	0	-	-	710	-	-	0	-	-	3,155	-	-
CAD/USD MONDAY OPTIONS	0	-	-	389	-	-	0	-	-	1,953	-	-
CAD/USD MONDAY OPTIONS	0	-	-	2,600	-	-	0	-	-	8,209	-	-
CAD/USD MONDAY OPTIONS	0	-	-	630	-	-	0	-	-	5,272	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	3,085	-	-
CAD/USD MONTHLY OPTIONS	0	160	-100.0%	31,531	56,791	-44.5%	430	1,069	-59.8%	473,035	523,486	-9.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	956	8,559	-88.8%	0	0	0.0%	12,433	35,572	-65.0%

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2020	Open Outcry OCT 2019	% CHG	ELEC OCT 2020	ELEC OCT 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>FX Options</b>												
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,169	3,921	-70.2%	0	0	0.0%	64,413	65,338	-1.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,089	10,314	-31.3%	0	0	0.0%	64,045	94,067	-31.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,297	10,298	-19.4%	0	0	0.0%	71,552	98,983	-27.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,928	799	516.8%	0	0	0.0%	30,313	24,364	24.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,244	3,650	-38.5%	0	0	0.0%	22,621	29,126	-22.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,636	2,783	-41.2%	0	0	0.0%	17,587	32,731	-46.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,118	2,337	-9.4%	0	0	0.0%	18,781	30,018	-37.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,189	2,745	16.2%	0	0	0.0%	24,468	26,674	-8.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	3,331	-100.0%	0	0	0.0%	8,199	10,464	-21.6%
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	5,966	4,819	23.8%	0	0	0.0%	35,965	25,251	42.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	19	-100.0%	0	0	0.0%	139	186	-25.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	253	301	-15.9%	0	0	0.0%	1,758	2,357	-25.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	13	117	-88.9%	0	0	0.0%	1,042	1,765	-41.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	13	484	-97.3%	0	0	0.0%	1,445	1,477	-2.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	918	0	0.0%	0	0	0.0%	1,824	613	197.6%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	74	-100.0%
EUR/JPY MONTHLY OPTIONS	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EURO FX (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
EUR/USD MONDAY OPTION W	0	-	-	5,119	-	-	0	-	-	17,361	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,752	-	-	0	-	-	13,471	-	-
EUR/USD MONDAY OPTION W	0	-	-	381	-	-	0	-	-	19,355	-	-
EUR/USD MONDAY OPTION W	0	-	-	1,412	-	-	0	-	-	20,748	-	-
EUR/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	7,186	-	-
EUR/USD MONTHLY OPTIONS	0	233	-100.0%	185,282	265,389	-30.2%	1,550	9,237	-83.2%	2,764,139	3,613,680	-23.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,622	23,039	-93.0%	0	0	0.0%	29,159	109,129	-73.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,956	14,090	-79.0%	62	0	0.0%	183,125	261,522	-30.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,080	27,726	-49.2%	0	0	0.0%	206,476	302,360	-31.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	18,673	22,416	-16.7%	0	0	0.0%	219,974	345,579	-36.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,772	1,342	1,075.3%	0	0	0.0%	78,886	81,591	-3.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	13,242	7,050	87.8%	0	0	0.0%	99,862	127,685	-21.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,937	7,480	-34.0%	0	0	0.0%	79,633	125,123	-36.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,210	11,223	-35.8%	0	0	0.0%	80,627	127,155	-36.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,469	17,744	-52.3%	0	0	0.0%	77,513	140,691	-44.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	9,230	-100.0%	0	0	0.0%	34,150	39,185	-12.8%

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## CME Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
GBP/USD MONDAY OPTION W	0	-	-	1,435	-	-	0	-	-	6,598	-	-
GBP/USD MONDAY OPTION W	0	-	-	533	-	-	0	-	-	3,708	-	-
GBP/USD MONDAY OPTION W	0	-	-	1,498	-	-	0	-	-	5,911	-	-
GBP/USD MONDAY OPTION W	0	-	-	2,617	-	-	0	-	-	9,202	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	1,435	-	-
GBP/USD MONTHLY OPTIONS	0	34	-100.0%	91,893	164,342	-44.1%	64	906	-92.9%	863,026	1,251,876	-31.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,429	6,048	-76.4%	0	0	0.0%	9,487	29,980	-68.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,971	6,991	-71.8%	0	16	-100.0%	35,140	63,023	-44.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,570	28,044	-80.1%	0	0	0.0%	39,995	91,295	-56.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,069	25,437	-84.0%	0	0	0.0%	33,741	85,614	-60.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,442	437	687.6%	0	0	0.0%	16,262	25,750	-36.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,108	1,762	19.6%	0	0	0.0%	16,663	22,287	-25.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	537	1,994	-73.1%	0	0	0.0%	9,174	23,963	-61.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	358	2,189	-83.6%	0	0	0.0%	15,471	25,843	-40.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	828	2,502	-66.9%	0	0	0.0%	12,510	23,375	-46.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	1,238	-100.0%	0	0	0.0%	7,180	8,595	-16.5%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	1,295	-	-	0	-	-	8,895	-	-
JPY/USD MONDAY OPTION WE	0	-	-	584	-	-	0	-	-	11,164	-	-
JPY/USD MONDAY OPTION WE	0	-	-	204	-	-	0	-	-	7,586	-	-
JPY/USD MONDAY OPTION WE	0	-	-	3,135	-	-	0	-	-	7,081	-	-
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	2,653	-	-
JPY/USD MONTHLY OPTIONS	0	14	-100.0%	79,900	131,352	-39.2%	727	207	251.2%	1,182,793	1,402,789	-15.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	302	11,250	-97.3%	0	0	0.0%	17,142	55,753	-69.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	913	5,721	-84.0%	0	0	0.0%	105,042	95,865	9.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,880	13,403	-41.2%	0	0	0.0%	121,802	145,050	-16.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,598	8,781	20.7%	0	0	0.0%	116,398	137,504	-15.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,471	1,858	409.7%	0	0	0.0%	48,042	48,140	-0.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,260	3,964	32.7%	0	0	0.0%	51,481	46,030	11.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,572	4,869	-67.7%	0	0	0.0%	38,451	42,956	-10.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,897	6,832	-57.6%	0	0	0.0%	46,091	43,285	6.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,312	3,808	-39.3%	0	0	0.0%	48,313	42,964	12.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,914	-100.0%	0	0	0.0%	12,418	10,637	16.7%
MXN/USD MONTHLY OPTIONS	0	70	-100.0%	988	1,307	-24.4%	1,840	970	89.7%	15,193	13,592	11.8%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	1,200	-100.0%	0	0	0.0%	4,413	1,200	267.8%

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## CME Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	99	-100.0%	0	0	0.0%	1,748	528	231.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	276	0	0.0%	0	0	0.0%	2,174	1,103	97.1%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	326	0	0.0%	0	0	0.0%	2,676	329	713.4%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	152	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	177	1,474	-88.0%	0	0	0.0%	4,831	6,449	-25.1%
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%	50	120	-58.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	100	-100.0%	0	0	0.0%	0	306	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	150	-100.0%	0	0	0.0%	375	150	150.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	100	-100.0%	0	0	0.0%	0	100	-100.0%
RUB/USD MONTHLY OPTIONS	0	-	-	98	-	-	0	-	-	191	-	-
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
<b>Foreign Exchange Options</b>												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	317	1,697	-81.3%	0	0	0.0%	7,210	8,760	-17.7%



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<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	4,599	6,461	-28.8%	0	0	0.0%	54,857	42,707	28.4%
CASH-SETTLED CHEESE	0	0	0.0%	14,609	9,306	57.0%	0	0	0.0%	132,851	108,518	22.4%
CAT ASIA WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	614	-100.0%	1,225,680	1,151,809	6.4%	2,592	11,562	-77.6%	13,987,511	14,226,650	-1.7%
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%	50	25	100.0%
CLASS IV MILK	0	0	0.0%	394	1,549	-74.6%	65	158	-58.9%	21,751	23,072	-5.7%
DRY WHEY	0	0	0.0%	1,569	1,394	12.6%	0	0	0.0%	14,057	12,325	14.1%
FEEDER CATTLE	0	0	0.0%	296,802	281,320	5.5%	54	178	-69.7%	2,767,106	3,128,470	-11.6%
GOLDMAN SACHS	0	0	0.0%	12,108	27,686	-56.3%	0	0	0.0%	149,934	282,700	-47.0%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	85	334	-74.6%
HDD EURO SEASONAL STRIP	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%	25	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	0	634	-100.0%	869,084	1,237,677	-29.8%	1,940	15,769	-87.7%	10,838,155	13,461,962	-19.5%
HOUSING INDEX	0	0	0.0%	2	19	-89.5%	0	0	0.0%	262	128	104.7%
LUMBER	0	0	0.0%	9,071	14,402	-37.0%	0	0	0.0%	133,557	137,666	-3.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	40	-100.0%	36,240	35,090	3.3%	59	302	-80.5%	352,580	268,104	31.5%
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%	5,560	4,799	15.9%	0	19	-100.0%	79,498	61,489	29.3%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-	-	0	-	-	0	-	-
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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<b>Ag Products Options</b>												
BUTTER CS	0	24	-100.0%	1,851	2,240	-17.4%	212	4,488	-95.3%	29,200	27,143	7.6%
CASH-SETTLED CHEESE	0	1,154	-100.0%	16,212	7,998	102.7%	7,734	16,165	-52.2%	119,369	79,881	49.4%
CATTLE	0	26,598	-100.0%	211,735	209,719	1.0%	59,913	257,575	-76.7%	2,234,206	1,793,385	24.6%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
CLASS IV MILK	0	73	-100.0%	706	1,756	-59.8%	1,082	3,605	-70.0%	44,426	32,622	36.2%
DRY WHEY	0	12	-100.0%	24	505	-95.2%	119	747	-84.1%	4,264	7,060	-39.6%
FEEDER CATTLE	0	832	-100.0%	28,256	21,503	31.4%	4,252	19,853	-78.6%	255,493	283,624	-9.9%
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%
HOGS	0	19,171	-100.0%	175,099	314,173	-44.3%	34,430	301,961	-88.6%	2,668,938	3,362,452	-20.6%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	7	-100.0%
LUMBER	0	0	0.0%	579	1,383	-58.1%	0	70	-100.0%	8,837	17,236	-48.7%
LV CATL CSO	0	0	0.0%	0	0	0.0%	0	529	-100.0%	0	0	0.0%
MILK	0	2,016	-100.0%	39,251	39,170	0.2%	3,323	22,434	-85.2%	463,687	360,371	28.7%
MLK MID OPTIONS	0	7	-100.0%	7	0	0.0%	31	31	0.0%	93	194	-52.1%
NFD MILK	0	192	-100.0%	4,241	3,146	34.8%	494	2,011	-75.4%	63,407	52,521	20.7%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	115,114	481,909	-76.1%	27,680,590	53,164,444	-47.9%	2,945,882	7,602,314	-61.3%	440,465,710	605,497,744	-27.3%
Equity Index Futures	0	5,474	-100.0%	97,050,561	56,539,702	71.7%	33,712	221,240	-84.8%	974,117,869	546,933,750	78.1%
FX Futures	0	0	0.0%	14,699,685	17,240,953	-14.7%	36	68	-47.1%	171,056,034	169,320,226	1.0%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Ag Products Futures	0	1,288	-100.0%	2,475,718	2,771,512	-10.7%	4,710	27,988	-83.2%	28,532,279	31,754,150	-10.1%
<b>TOTAL FUTURES</b>	<b>115,114</b>	<b>488,671</b>	<b>-76.4%</b>	<b>141,906,554</b>	<b>129,716,611</b>	<b>9.4%</b>	<b>2,984,340</b>	<b>7,851,610</b>	<b>-62.0%</b>	<b>1,614,171,892</b>	<b>1,353,505,870</b>	<b>19.3%</b>

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2020	Open Outcry OCT 2019	% CHG	ELEC OCT 2020	ELEC OCT 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	0	677,771	-100.0%	14,229,983	14,855,954	-4.2%	1,658,011	6,794,089	-75.6%	153,560,426	130,607,898	17.6%
Interest Rate Options	5,405,099	16,332,671	-66.9%	4,220,805	12,804,570	-67.0%	73,051,070	206,519,126	-64.6%	149,021,140	137,386,500	8.5%
FX Options	0	511	-100.0%	663,231	1,083,351	-38.8%	4,673	12,405	-62.3%	8,671,527	11,016,726	-21.3%
Ag Products Options	0	50,079	-100.0%	477,961	601,593	-20.6%	111,590	629,469	-82.3%	5,891,920	6,016,496	-2.1%
Foreign Exchange Options	0	0	0.0%	317	1,697	-81.3%	0	0	0.0%	7,210	8,760	-17.7%
<b>TOTAL OPTIONS</b>	<b>5,405,099</b>	<b>17,061,032</b>	<b>-68.3%</b>	<b>19,592,297</b>	<b>29,347,165</b>	<b>-33.2%</b>	<b>74,825,344</b>	<b>213,955,089</b>	<b>-65.0%</b>	<b>317,152,223</b>	<b>285,036,380</b>	<b>11.3%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	5,520,213	16,814,580	-67.2%	31,901,395	65,969,014	-51.6%	75,996,952	214,121,440	-64.5%	589,486,850	742,884,244	-20.6%
Equity Index	0	683,245	-100.0%	111,280,544	71,395,656	55.9%	1,691,723	7,015,329	-75.9%	1,127,678,295	677,541,648	66.4%
FX	0	511	-100.0%	15,362,916	18,324,304	-16.2%	4,709	12,473	-62.2%	179,727,561	180,336,952	-0.3%
Foreign Exchange	0	0	0.0%	317	1,697	-81.3%	0	0	0.0%	7,210	8,760	-17.7%
Ag Products	0	51,367	-100.0%	2,953,679	3,373,105	-12.4%	116,300	657,457	-82.3%	34,424,199	37,770,646	-8.9%
<b>GRAND TOTAL</b>	<b>5,520,213</b>	<b>17,549,703</b>	<b>-68.5%</b>	<b>161,498,851</b>	<b>159,063,776</b>	<b>1.5%</b>	<b>77,809,684</b>	<b>221,806,699</b>	<b>-64.9%</b>	<b>1,931,324,115</b>	<b>1,638,542,250</b>	<b>17.9%</b>