



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>Interest Rate Futures</b>												
1-MONTH EURODOLLAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	404	31,342	-98.7%
EURODOLLARS	481,909	730,435	-34.0%	52,017,579	71,095,732	-26.8%	7,602,314	7,991,228	-4.9%	596,739,295	615,369,845	-3.0%
SOFR	0	0	0.0%	958,146	175,035	447.4%	0	0	0.0%	6,951,056	530,872	1,209.4%
SONIA	0	0	0.0%	188,719	61,399	207.4%	0	0	0.0%	1,806,989	61,399	2,843.0%
<b>Interest Rate Options</b>												
EURODOLLARS	11,417,928	10,492,464	8.8%	9,228,559	5,440,711	69.6%	139,706,316	91,787,967	52.2%	83,572,511	45,065,418	85.4%
EURO MIDCURVE	4,914,743	8,720,772	-43.6%	3,576,011	6,981,380	-48.8%	66,812,810	88,597,983	-24.6%	53,813,989	52,946,787	1.6%
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	93,413	57,057	63.7%	0	0	0.0%	1,388,748	717,151	93.6%
E-MINI COM SERVICES SELEC	0	0	0.0%	756	3,639	-79.2%	0	0	0.0%	25,486	3,795	571.6%
E-mini FTSE 100 (USD)	0	0	0.0%	0	1,827	-100.0%	0	0	0.0%	336	14,232	-97.6%
E-mini FTSE China 50	0	0	0.0%	0	986	-100.0%	0	0	0.0%	711	10,751	-93.4%
E-MINI MIDCAP	0	0	0.0%	267,955	513,243	-47.8%	0	0	0.0%	3,328,237	3,823,000	-12.9%
E-MINI NASDAQ 100	0	0	0.0%	9,455,055	16,619,934	-43.1%	0	0	0.0%	99,803,061	95,895,388	4.1%
E-MINI RUSSELL 1000	0	0	0.0%	2,646	13,246	-80.0%	0	0	0.0%	34,272	85,945	-60.1%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,593	10,957	-85.5%	0	0	0.0%	34,168	75,142	-54.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	3,513	13,709	-74.4%	0	0	0.0%	71,670	95,319	-24.8%
E-MINI RUSSELL 2000	0	0	0.0%	2,677,268	4,215,012	-36.5%	0	0	0.0%	30,583,547	29,049,179	5.3%
E-MINI S&P500	0	0	0.0%	30,842,923	52,871,230	-41.7%	0	0	0.0%	335,110,440	351,913,410	-4.8%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	9,787	5,501	77.9%	0	0	0.0%	36,931	34,564	6.8%
FT-SE 100	0	0	0.0%	0	1,390	-100.0%	0	0	0.0%	372	12,645	-97.1%
FTSE Emerging	0	0	0.0%	2,112	817	158.5%	0	0	0.0%	21,400	5,051	323.7%
IBOVESPA INDEX	0	0	0.0%	994	1,878	-47.1%	0	0	0.0%	6,936	11,339	-38.8%
MICRO E-MINI NASDAQ 100	0	-	-	4,776,826	-	-	0	-	-	25,468,538	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	765,506	-	-	0	-	-	3,966,739	-	-
MICRO E-MINI S&P500	0	-	-	6,462,781	-	-	0	-	-	35,256,476	-	-
NASDAQ BIOTECH	0	0	0.0%	371	0	0.0%	0	0	0.0%	3,547	0	0.0%
Nearby BTIC+	0	-	-	24	-	-	0	-	-	24	-	-
NIFTY 50	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54,444	-100.0%

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<b>Equity Index Futures</b>												
NIKKEI 225 (\$) STOCK	0	0	0.0%	197,004	401,080	-50.9%	0	0	0.0%	2,232,978	3,155,263	-29.2%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	878,117	1,305,110	-32.7%	228	0	0.0%	8,281,168	8,968,346	-7.7%
S&P 500	5,474	16,580	-67.0%	1,745	4,446	-60.8%	221,012	410,620	-46.2%	16,310	45,778	-64.4%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	9,700	11,204	-13.4%	0	0	0.0%	94,501	46,483	103.3%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	60	73	-17.8%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	621	0	0.0%	0	0	0.0%	1,822	682	167.2%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.0%	0	0	0.0%	17	1	1,600.0%
S&P CONSUMER DSCR TNRY S	0	0	0.0%	4,528	37,850	-88.0%	0	0	0.0%	67,848	152,179	-55.4%
S&P CONSUMER STAPLES SE	0	0	0.0%	5,650	23,919	-76.4%	0	0	0.0%	104,645	144,612	-27.6%
S&P ENERGY SECTOR	0	0	0.0%	7,937	35,247	-77.5%	0	0	0.0%	114,754	204,954	-44.0%
S&P FINANCIAL SECTOR	0	0	0.0%	12,000	57,343	-79.1%	0	0	0.0%	180,893	306,522	-41.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	9,841	24,622	-60.0%	0	0	0.0%	111,002	139,881	-20.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	6,607	22,259	-70.3%	0	0	0.0%	80,686	132,255	-39.0%
S&P MATERIALS SECTOR	0	0	0.0%	4,342	17,589	-75.3%	0	0	0.0%	56,731	84,131	-32.6%
S&P TECHNOLOGY SECTOR	0	0	0.0%	8,353	92,542	-91.0%	0	0	0.0%	98,199	262,574	-62.6%
S&P UTILITIES SECTOR	0	0	0.0%	7,752	46,909	-83.5%	0	0	0.0%	158,674	248,975	-36.3%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	72	80	-10.0%
YEN DENOMINATED TOPIX	0	0	0.0%	21,982	844	2,504.5%	0	0	0.0%	191,751	5,137	3,632.7%

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<b>Equity Index Options</b>												
E-MINI NASDAQ 100	0	0	0.0%	204,997	320,771	-36.1%	0	0	0.0%	2,099,246	2,433,924	-13.8%
E-MINI RUSSELL 2000	0	0	0.0%	21,801	16,701	30.5%	0	0	0.0%	154,424	132,143	16.9%
E-MINI S&P500	0	0	0.0%	6,028,328	7,343,010	-17.9%	600	14,660	-95.9%	55,070,793	58,454,468	-5.8%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	6,445	7,063	-8.7%	0	0	0.0%	87,620	63,859	37.2%
EOM EMINI S&P	0	0	0.0%	1,886,967	3,963,261	-52.4%	0	0	0.0%	19,577,865	26,659,621	-26.6%
EOM S&P 500	75,688	163,092	-53.6%	0	0	0.0%	1,167,165	1,832,761	-36.3%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,558	3,421	-54.5%	0	0	0.0%	15,521	20,919	-25.8%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,657	3,155	-47.5%	0	0	0.0%	19,670	26,123	-24.7%
EOW1 EMINI S&P 500	0	0	0.0%	1,259,786	1,565,202	-19.5%	0	0	0.0%	10,175,178	11,223,203	-9.3%
EOW1 S&P 500	104,205	108,076	-3.6%	0	0	0.0%	738,544	844,161	-12.5%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,232	6,050	-30.0%	0	0	0.0%	50,996	49,985	2.0%
EOW2 EMINI S&P 500	0	0	0.0%	1,247,329	2,033,459	-38.7%	0	0	0.0%	10,282,507	13,018,274	-21.0%
EOW2 S&P 500	157,123	244,167	-35.6%	0	0	0.0%	1,294,691	1,587,865	-18.5%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	34,711	19,322	79.6%	0	0	0.0%	152,099	193,526	-21.4%
EOW3 EMINI S&P 500	0	0	0.0%	3,337,079	6,329,971	-47.3%	0	0	0.0%	24,264,379	37,235,929	-34.8%
EOW3 S&P 500	170,528	244,449	-30.2%	0	0	0.0%	1,282,142	2,793,781	-54.1%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	2,895	7,240	-60.0%	0	0	0.0%	32,966	53,258	-38.1%
EOW4 EMINI S&P 500	0	0	0.0%	818,169	1,865,379	-56.1%	0	0	0.0%	8,624,634	11,429,053	-24.5%
S&P 500	170,227	312,162	-45.5%	0	0	0.0%	2,310,947	3,036,519	-23.9%	0	0	0.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	9	0	0.0%	0	0	0.0%	142	53	167.9%
AD/JY CROSS RATES	0	0	0.0%	2,074	3,143	-34.0%	0	0	0.0%	26,683	42,431	-37.1%
AD/NE CROSS RATES	0	0	0.0%	182	34	435.3%	0	0	0.0%	1,466	733	100.0%
AUSTRALIAN DOLLAR	0	0	0.0%	2,068,502	2,223,140	-7.0%	0	0	0.0%	21,066,387	23,544,616	-10.5%
BDI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	3,115	2,619	18.9%	0	0	0.0%	31,564	30,710	2.8%
BP/SF CROSS RATES	0	0	0.0%	349	327	6.7%	0	0	0.0%	4,063	3,681	10.4%
BRAZIL REAL	0	0	0.0%	170,987	135,413	26.3%	0	0	0.0%	1,314,879	1,024,057	28.4%
BRITISH POUND	0	0	0.0%	3,393,507	2,399,070	41.5%	3	10	-70.0%	25,450,147	26,903,347	-5.4%
CANADIAN DOLLAR	0	4	-100.0%	1,877,364	1,665,256	12.7%	3	45	-93.3%	16,654,120	17,410,691	-4.3%
CD/JY CROSS RATES	0	0	0.0%	4	100	-96.0%	0	0	0.0%	131	949	-86.2%
CHINESE RENMINBI (CNH)	0	0	0.0%	28,190	18,250	54.5%	0	0	0.0%	282,996	77,644	264.5%

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<b>FX Futures</b>												
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	30	6	400.0%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%
EC/AD CROSS RATES	0	0	0.0%	3,288	1,144	187.4%	0	0	0.0%	45,940	19,760	132.5%
EC/CD CROSS RATES	0	0	0.0%	1,862	1,221	52.5%	0	0	0.0%	31,962	32,331	-1.1%
EC/NOK CROSS RATES	0	0	0.0%	801	235	240.9%	0	0	0.0%	5,223	3,992	30.8%
EC/SEK CROSS RATES	0	0	0.0%	305	137	122.6%	0	0	0.0%	6,610	7,980	-17.2%
EFX/BP CROSS RATES	0	0	0.0%	118,190	61,013	93.7%	0	0	0.0%	966,871	812,429	19.0%
EFX/JY CROSS RATES	0	0	0.0%	66,602	63,757	4.5%	0	0	0.0%	685,055	802,975	-14.7%
EFX/SF CROSS RATES	0	0	0.0%	27,910	26,945	3.6%	0	0	0.0%	348,491	294,471	18.3%
E-MICRO AUD/USD	0	0	0.0%	90,026	110,881	-18.8%	0	0	0.0%	1,051,265	1,078,769	-2.5%
E-MICRO CAD/USD	0	0	0.0%	17,886	14,438	23.9%	0	0	0.0%	172,232	173,848	-0.9%
E-MICRO CHF/USD	0	0	0.0%	5,053	1,493	238.4%	0	0	0.0%	30,913	14,786	109.1%
E-MICRO EUR/USD	0	0	0.0%	187,914	347,754	-46.0%	0	0	0.0%	2,347,180	3,712,638	-36.8%
E-MICRO GBP/USD	0	0	0.0%	131,981	27,588	378.4%	0	0	0.0%	528,900	455,857	16.0%
E-MICRO INR/USD	0	0	0.0%	4,361	7,832	-44.3%	0	0	0.0%	49,363	48,684	1.4%
E-MICRO JPY/USD	0	0	0.0%	24,546	31,270	-21.5%	0	0	0.0%	286,883	306,829	-6.5%
E-MINI EURO FX	0	0	0.0%	73,328	95,771	-23.4%	0	0	0.0%	954,581	1,036,634	-7.9%
E-MINI JAPANESE YEN	0	0	0.0%	21,976	14,583	50.7%	0	0	0.0%	173,402	131,605	31.8%
EURO FX	0	4	-100.0%	3,888,649	5,388,849	-27.8%	60	542	-88.9%	43,505,929	58,297,759	-25.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	0	0.0%	0	0	0.0%	12	0	0.0%
INDIAN RUPEE	0	0	0.0%	35,772	126,243	-71.7%	0	0	0.0%	688,435	911,458	-24.5%
JAPANESE YEN	0	3	-100.0%	2,559,512	3,602,935	-29.0%	2	107	-98.1%	27,132,323	30,737,710	-11.7%
KOREAN WON	0	0	0.0%	310	307	1.0%	0	0	0.0%	3,041	2,400	26.7%
MEXICAN PESO	0	0	0.0%	1,156,228	1,507,449	-23.3%	0	0	0.0%	12,629,664	14,160,747	-10.8%
NEW ZEALND DOLLAR	0	0	0.0%	511,141	506,551	0.9%	0	0	0.0%	5,737,829	6,273,084	-8.5%
NKR/USD CROSS RATE	0	0	0.0%	4,026	7,320	-45.0%	0	0	0.0%	47,438	49,873	-4.9%
POLISH ZLOTY (EC)	0	0	0.0%	12	12	0.0%	0	0	0.0%	452	186	143.0%
POLISH ZLOTY (US)	0	0	0.0%	165	110	50.0%	0	0	0.0%	1,105	880	25.6%
RMB USD	0	0	0.0%	1	2	-50.0%	0	0	0.0%	8	25	-68.0%
RUSSIAN RUBLE	0	0	0.0%	47,792	39,008	22.5%	0	0	0.0%	723,793	526,376	37.5%
S.AFRICAN RAND	0	0	0.0%	69,478	35,253	97.1%	0	0	0.0%	524,170	459,836	14.0%
SF/JY CROSS RATES	0	0	0.0%	14	0	0.0%	0	0	0.0%	25	7	257.1%
SHEKEL	0	0	0.0%	13	0	0.0%	0	0	0.0%	13	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	2,688	7,061	-61.9%	0	0	0.0%	27,181	45,465	-40.2%

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<b>FX Futures</b>												
SWISS FRANC	0	0	0.0%	644,835	558,511	15.5%	0	0	0.0%	5,781,239	5,998,906	-3.6%
TURKISH LIRA	0	0	0.0%	2	0	0.0%	0	0	0.0%	70	10	600.0%
USDZAR	0	0	0.0%	0	10	-100.0%	0	0	0.0%	20	15	33.3%
<b>FX Options</b>												
AUD/USD MONTHLY OPTIONS	0	0	0.0%	89,994	85,323	5.5%	0	600	-100.0%	703,497	822,796	-14.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,746	11,211	-39.8%	0	0	0.0%	21,362	42,126	-49.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,220	6,983	-25.2%	0	0	0.0%	58,639	68,111	-13.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	9,481	8,302	14.2%	0	0	0.0%	65,496	97,641	-32.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,603	9,003	-26.7%	0	0	0.0%	67,024	104,192	-35.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	505	655	-22.9%	0	0	0.0%	16,540	25,841	-36.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,338	919	45.6%	0	0	0.0%	16,912	27,921	-39.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,102	2,646	-58.4%	0	0	0.0%	17,241	23,771	-27.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,026	797	28.7%	0	0	0.0%	8,138	12,808	-36.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,478	2,598	-43.1%	0	0	0.0%	13,265	21,874	-39.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,363	1,421	-4.1%	0	0	0.0%	5,187	8,973	-42.2%
AUSTRALIAN DLR (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
AUSTRALIAN DOLLAR	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRITISH POUND	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	277	-100.0%
BRL/USD MONTHLY OPTIONS	0	-	-	332	-	-	0	-	-	728	-	-
CAD/USD MONTHLY OPTIONS	160	605	-73.6%	56,791	76,130	-25.4%	1,069	2,706	-60.5%	523,486	858,264	-39.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,559	17,296	-50.5%	0	0	0.0%	35,572	62,814	-43.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,921	10,163	-61.4%	0	0	0.0%	65,338	125,274	-47.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,314	17,921	-42.4%	0	0	0.0%	94,067	176,530	-46.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,298	22,760	-54.8%	0	0	0.0%	98,983	166,413	-40.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	799	305	162.0%	0	0	0.0%	24,364	52,721	-53.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,650	2,701	35.1%	0	0	0.0%	29,126	33,997	-14.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,783	3,356	-17.1%	0	0	0.0%	32,731	35,464	-7.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,337	5,140	-54.5%	0	0	0.0%	30,018	40,500	-25.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,745	6,618	-58.5%	0	0	0.0%	26,674	39,526	-32.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,331	4,806	-30.7%	0	0	0.0%	10,464	20,940	-50.0%
CANADIAN DOLLAR	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	63	-100.0%

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## CME Exchange Volume Comparison Report - Monthly

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<b>FX Options</b>												
CHF/USD MONTHLY OPTIONS	0	0	0.0%	4,819	2,590	86.1%	0	0	0.0%	25,251	24,457	3.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	19	151	-87.4%	0	0	0.0%	186	222	-16.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	301	5	5,920.0%	0	0	0.0%	2,357	756	211.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	117	12	875.0%	0	0	0.0%	1,765	919	92.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	484	62	680.6%	0	0	0.0%	1,477	1,801	-18.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.0%	0	0	0.0%	613	712	-13.9%
EUR/GBP MONTHLY OPTIONS	0	-	-	0	-	-	0	-	-	74	-	-
EUR/JPY MONTHLY OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
EURO FX	-	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%	0	59	-100.0%
EUR/USD MONTHLY OPTIONS	233	580	-59.8%	265,389	422,301	-37.2%	9,237	10,897	-15.2%	3,613,680	5,160,474	-30.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	23,039	39,646	-41.9%	0	80	-100.0%	109,129	266,290	-59.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,090	30,935	-54.5%	0	0	0.0%	261,522	328,520	-20.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	27,726	51,777	-46.5%	0	1,800	-100.0%	302,360	496,229	-39.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,416	46,745	-52.0%	0	750	-100.0%	345,579	514,991	-32.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,342	594	125.9%	0	0	0.0%	81,591	124,218	-34.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,050	9,508	-25.9%	0	0	0.0%	127,685	127,660	0.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,480	13,456	-44.4%	0	0	0.0%	125,123	119,455	4.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	11,223	12,459	-9.9%	0	0	0.0%	127,155	119,057	6.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	17,744	15,416	15.1%	0	0	0.0%	140,691	139,355	1.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,230	18,190	-49.3%	0	0	0.0%	39,185	66,146	-40.8%
GBP/USD MONTHLY OPTIONS	34	20	70.0%	164,342	221,914	-25.9%	906	622	45.7%	1,251,876	1,772,094	-29.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,048	14,134	-57.2%	0	0	0.0%	29,980	67,442	-55.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	6,991	16,329	-57.2%	16	0	0.0%	63,023	127,078	-50.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	28,044	20,075	39.7%	0	30	-100.0%	91,295	190,211	-52.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	25,437	22,361	13.8%	0	0	0.0%	85,614	203,254	-57.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	437	679	-35.6%	0	0	0.0%	25,750	44,394	-42.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,762	3,814	-53.8%	0	0	0.0%	22,287	33,881	-34.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,994	3,537	-43.6%	0	0	0.0%	23,963	37,639	-36.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,189	9,413	-76.7%	0	0	0.0%	25,843	46,247	-44.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,502	9,958	-74.9%	0	0	0.0%	23,375	44,303	-47.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,238	15,707	-92.1%	0	0	0.0%	8,595	33,084	-74.0%
JAPANESE YEN	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
JAPANESE YEN (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
JPY/USD MONTHLY OPTIONS	14	27	-48.1%	131,352	173,301	-24.2%	207	4,465	-95.4%	1,402,789	1,666,260	-15.8%

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<b>FX Options</b>												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,250	21,615	-48.0%	0	0	0.0%	55,753	87,999	-36.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,721	20,898	-72.6%	0	0	0.0%	95,865	153,748	-37.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,403	20,190	-33.6%	0	0	0.0%	145,050	208,047	-30.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,781	27,350	-67.9%	0	0	0.0%	137,504	225,610	-39.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,858	1,337	39.0%	0	0	0.0%	48,140	48,558	-0.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,964	7,812	-49.3%	0	0	0.0%	46,030	43,492	5.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,869	11,020	-55.8%	0	0	0.0%	42,956	46,590	-7.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,832	7,162	-4.6%	0	0	0.0%	43,285	36,598	18.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,808	4,917	-22.6%	0	0	0.0%	42,964	48,264	-11.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,914	8,950	-67.4%	0	0	0.0%	10,637	22,991	-53.7%
MXN/USD MONTHLY OPTIONS	70	430	-83.7%	1,307	1,459	-10.4%	970	5,718	-83.0%	13,592	14,234	-4.5%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	1,200	0	0.0%	0	0	0.0%	1,200	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	99	0	0.0%	0	0	0.0%	528	205	157.6%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	238	-100.0%	0	0	0.0%	1,103	286	285.7%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	372	-100.0%	0	0	0.0%	329	632	-47.9%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	1,474	15	9,726.7%	0	0	0.0%	6,449	15	42,893.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	1	-100.0%	0	0	0.0%	0	1	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	120	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	100	-	-	0	-	-	306	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	150	-	-	0	-	-	150	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	100	-	-	0	-	-	100	-	-
SWISS FRANC	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SWISS FRANC (EU)	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	967	-100.0%	0	0	0.0%	0	12,808	-100.0%
<b>Foreign Exchange Options</b>												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,697	1,274	33.2%	0	0	0.0%	8,760	9,202	-4.8%

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<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	6,461	4,817	34.1%	0	0	0.0%	42,707	42,561	0.3%
CASH-SETTLED CHEESE	0	0	0.0%	9,306	17,814	-47.8%	0	0	0.0%	108,518	107,020	1.4%
CATTLE	614	978	-37.2%	1,151,809	1,395,250	-17.4%	11,562	12,843	-10.0%	14,226,650	13,828,009	2.9%
CAT WEATHER EUROPEAN	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%	25	0	0.0%
CLASS IV MILK	0	0	0.0%	1,549	1,030	50.4%	158	0	0.0%	23,072	6,291	266.7%
DRY WHEY	0	0	0.0%	1,394	2,671	-47.8%	0	0	0.0%	12,325	14,350	-14.1%
FEEDER CATTLE	0	0	0.0%	281,320	331,588	-15.2%	178	17	947.1%	3,128,470	3,070,855	1.9%
GOLDMAN SACHS	0	0	0.0%	27,686	31,766	-12.8%	0	0	0.0%	282,700	312,122	-9.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	334	616	-45.8%
HDD EURO SEASONAL STRIP	-	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	55	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HOGS	634	2,546	-75.1%	1,237,677	1,138,057	8.8%	15,769	15,779	-0.1%	13,461,962	11,500,911	17.1%
HOUSING INDEX	0	0	0.0%	19	22	-13.6%	0	0	0.0%	128	89	43.8%
LUMBER	0	0	0.0%	14,402	20,494	-29.7%	0	0	0.0%	137,666	188,561	-27.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	40	57	-29.8%	35,090	35,846	-2.1%	302	1,239	-75.6%	268,104	240,795	11.3%
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%	4,799	3,892	23.3%	19	43	-55.8%	61,489	49,898	23.2%
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	24	202	-88.1%	2,240	2,792	-19.8%	4,488	10,516	-57.3%	27,143	29,824	-9.0%
CASH-SETTLED CHEESE	1,154	6,854	-83.2%	7,998	6,172	29.6%	16,165	29,136	-44.5%	79,881	72,268	10.5%
CATTLE	26,598	18,143	46.6%	209,719	156,623	33.9%	257,575	265,292	-2.9%	1,793,385	2,067,267	-13.2%
CAT WEATHER EUROPEAN	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%
CLASS IV MILK	73	32	128.1%	1,756	649	170.6%	3,605	781	361.6%	32,622	10,200	219.8%
DRY WHEY	12	0	0.0%	505	567	-10.9%	747	1,355	-44.9%	7,060	5,128	37.7%
FEEDER CATTLE	832	989	-15.9%	21,503	25,081	-14.3%	19,853	18,767	5.8%	283,624	274,947	3.2%
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	0.0%	-	0	0.0%	-	0	0.0%
HOGS	19,171	28,671	-33.1%	314,173	239,534	31.2%	301,961	270,515	11.6%	3,362,452	2,110,222	59.3%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	0	0.0%
LUMBER	0	0	0.0%	1,383	2,357	-41.3%	70	216	-67.6%	17,236	17,738	-2.8%
LV CATL CSO	0	20	-100.0%	0	0	0.0%	529	302	75.2%	0	0	0.0%
MILK	2,016	2,604	-22.6%	39,170	39,134	0.1%	22,434	58,682	-61.8%	360,371	291,375	23.7%
MLK MID OPTIONS	7	38	-81.6%	0	0	0.0%	31	425	-92.7%	194	27	618.5%
NFD MILK	192	856	-77.6%	3,146	3,727	-15.6%	2,011	8,660	-76.8%	52,521	40,770	28.8%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	481,909	730,435	-34.0%	53,164,444	71,332,166	-25.5%	7,602,314	7,991,228	-4.9%	605,497,744	615,993,458	-1.7%
Equity Index Futures	5,474	16,580	-67.0%	56,539,702	76,411,390	-26.0%	221,240	410,620	-46.1%	546,933,750	495,699,281	10.3%
FX Futures	0	11	-100.0%	17,240,953	19,033,035	-9.4%	68	704	-90.3%	169,320,226	195,437,258	-13.4%
Foreign Exchange Futures	0	0	0.0%	0	967	-100.0%	0	0	0.0%	0	12,808	-100.0%
Ag Products Futures	1,288	3,581	-64.0%	2,771,512	2,983,247	-7.1%	27,988	29,921	-6.5%	31,754,150	29,362,133	8.1%
<b>TOTAL FUTURES</b>	<b>488,671</b>	<b>750,607</b>	<b>-34.9%</b>	<b>129,716,611</b>	<b>169,760,805</b>	<b>-23.6%</b>	<b>7,851,610</b>	<b>8,432,473</b>	<b>-6.9%</b>	<b>1,353,505,870</b>	<b>1,336,504,938</b>	<b>1.3%</b>

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2019	Open Outcry OCT 2018	% CHG	ELEC OCT 2019	ELEC OCT 2018	% CHG	Open Outcry Y.T.D 2019	Open Outcry Y.T.D 2018	% CHG	ELEC Y.T.D 2019	ELEC Y.T.D 2018	% CHG
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	677,771	1,071,946	-36.8%	14,855,954	23,484,005	-36.7%	6,794,089	10,109,747	-32.8%	130,607,898	160,994,285	-18.9%
Interest Rate Options	16,332,671	19,213,236	-15.0%	12,804,570	12,422,091	3.1%	206,519,126	180,385,950	14.5%	137,386,500	98,012,205	40.2%
FX Options	511	1,662	-69.3%	1,083,351	1,605,461	-32.5%	12,405	27,668	-55.2%	11,016,726	15,563,315	-29.2%
Ag Products Options	50,079	58,409	-14.3%	601,593	476,636	26.2%	629,469	664,647	-5.3%	6,016,496	4,919,766	22.3%
Foreign Exchange Options	0	0	0.0%	1,697	1,274	33.2%	0	0	0.0%	8,760	9,202	-4.8%
<b>TOTAL OPTIONS</b>	<b>17,061,032</b>	<b>20,345,253</b>	<b>-16.1%</b>	<b>29,347,165</b>	<b>37,989,467</b>	<b>-22.7%</b>	<b>213,955,089</b>	<b>191,188,012</b>	<b>11.9%</b>	<b>285,036,380</b>	<b>279,498,773</b>	<b>2.0%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	16,814,580	19,943,671	-15.7%	65,969,014	83,754,257	-21.2%	214,121,440	188,377,178	13.7%	742,884,244	714,005,663	4.0%
Equity Index	683,245	1,088,526	-37.2%	71,395,656	99,895,395	-28.5%	7,015,329	10,520,367	-33.3%	677,541,648	656,693,566	3.2%
FX	511	1,673	-69.5%	18,324,304	20,638,496	-11.2%	12,473	28,372	-56.0%	180,336,952	211,000,573	-14.5%
Foreign Exchange	0	0	0.0%	1,697	2,241	-24.3%	0	0	0.0%	8,760	22,010	-60.2%
Ag Products	51,367	61,990	-17.1%	3,373,105	3,459,883	-2.5%	657,457	694,568	-5.3%	37,770,646	34,281,899	10.2%
<b>GRAND TOTAL</b>	<b>17,549,703</b>	<b>21,095,860</b>	<b>-16.8%</b>	<b>159,063,776</b>	<b>207,750,272</b>	<b>-23.4%</b>	<b>221,806,699</b>	<b>199,620,485</b>	<b>11.1%</b>	<b>1,638,542,250</b>	<b>1,616,003,711</b>	<b>1.4%</b>

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