



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 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%	31	8,024	-99.6%	0	0	0.0%	151	22,135	-99.3%
EURODOLLARS	990,004	801,762	23.5%	71,367,712	66,839,368	6.8%	3,866,838	4,767,702	-18.9%	292,149,331	359,158,152	-18.7%
SOFR	0	0	0.0%	677,757	33,631	1,915.3%	0	0	0.0%	2,866,126	33,631	8,422.3%
SONIA	0	-	-	189,522	-	-	0	-	-	840,559	-	-
<b>Interest Rate Options</b>												
EURODOLLARS	15,798,702	7,623,074	107.2%	8,956,827	3,483,783	157.1%	64,922,954	52,577,304	23.5%	33,096,095	24,952,350	32.6%
EURO MIDCURVE	9,905,948	9,056,383	9.4%	8,671,929	4,955,918	75.0%	39,215,569	52,930,113	-25.9%	31,207,949	30,137,033	3.6%
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	0	0.0%	299,290	86,414	246.3%	0	0	0.0%	773,860	278,021	178.3%
E-MINI COM SERVICES SELEC	0	-	-	1,357	-	-	0	-	-	14,644	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	0	1,399	-100.0%	0	0	0.0%	336	8,985	-96.3%
E-mini FTSE China 50	0	0	0.0%	2	945	-99.8%	0	0	0.0%	698	6,603	-89.4%
E-MINI MIDCAP	0	0	0.0%	306,263	287,999	6.3%	0	0	0.0%	1,612,854	1,876,508	-14.1%
E-MINI NASDAQ 100	0	0	0.0%	12,780,507	7,654,322	67.0%	0	0	0.0%	50,136,269	46,736,199	7.3%
E-MINI RUSSELL 1000	0	0	0.0%	6,932	5,630	23.1%	0	0	0.0%	18,546	42,044	-55.9%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	4,874	5,782	-15.7%	0	0	0.0%	14,426	38,162	-62.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,695	6,718	-30.1%	0	0	0.0%	35,310	40,358	-12.5%
E-MINI RUSSELL 2000	0	0	0.0%	3,196,380	2,184,882	46.3%	0	0	0.0%	14,250,813	13,237,862	7.7%
E-MINI S&P500	0	0	0.0%	41,691,362	28,689,892	45.3%	0	0	0.0%	163,039,602	182,211,183	-10.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,017	1,835	9.9%	0	0	0.0%	13,575	17,070	-20.5%
FT-SE 100	0	0	0.0%	0	845	-100.0%	0	0	0.0%	372	7,191	-94.8%
FTSE Emerging	0	0	0.0%	2,420	110	2,100.0%	0	0	0.0%	11,693	622	1,779.9%
IBOVESPA INDEX	0	0	0.0%	209	524	-60.1%	0	0	0.0%	3,149	5,493	-42.7%
MICRO E-MINI NASDAQ 100	0	-	-	2,994,347	-	-	0	-	-	2,994,347	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	543,257	-	-	0	-	-	543,257	-	-
MICRO E-MINI S&P500	0	-	-	4,818,422	-	-	0	-	-	4,818,422	-	-
NASDAQ BIOTECH	0	0	0.0%	599	0	0.0%	0	0	0.0%	1,338	0	0.0%
NIFTY 50	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	54,444	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	257,193	203,372	26.5%	0	0	0.0%	1,071,247	1,864,596	-42.5%

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<b>Equity Index Futures</b>												
NIKKEI 225 (YEN) STOCK	0	0	0.0%	979,237	701,637	39.6%	228	0	0.0%	3,704,696	4,937,537	-25.0%
S&P 500	6,738	23,388	-71.2%	2,430	5,573	-56.4%	89,925	196,622	-54.3%	7,937	31,750	-75.0%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	12,329	6,277	96.4%	0	0	0.0%	47,225	20,628	128.9%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	26	-23.1%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	20	280	-92.9%	0	0	0.0%	521	442	17.9%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	5,813	10,125	-42.6%	0	0	0.0%	35,872	67,582	-46.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	6,671	4,617	44.5%	0	0	0.0%	48,385	54,637	-11.4%
S&P ENERGY SECTOR	0	0	0.0%	7,039	19,281	-63.5%	0	0	0.0%	59,417	89,263	-33.4%
S&P FINANCIAL SECTOR	0	0	0.0%	17,423	16,496	5.6%	0	0	0.0%	79,689	128,125	-37.8%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,446	9,348	-31.0%	0	0	0.0%	52,046	58,778	-11.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,941	9,169	-35.2%	0	0	0.0%	40,556	56,228	-27.9%
S&P MATERIALS SECTOR	0	0	0.0%	5,409	2,552	112.0%	0	0	0.0%	31,661	32,921	-3.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	8,441	16,570	-49.1%	0	0	0.0%	53,334	89,555	-40.4%
S&P UTILITIES SECTOR	0	0	0.0%	13,035	13,553	-3.8%	0	0	0.0%	84,861	95,277	-10.9%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	24	28	-14.3%
YEN DENOMINATED TOPIX	0	0	0.0%	31,706	374	8,377.5%	0	0	0.0%	82,844	1,431	5,689.2%

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<b>Equity Index Options</b>												
E-MINI NASDAQ 100	0	0	0.0%	248,407	174,092	42.7%	0	0	0.0%	1,032,240	1,300,135	-20.6%
E-MINI RUSSELL 2000	0	0	0.0%	18,583	11,153	66.6%	0	0	0.0%	60,080	74,996	-19.9%
E-MINI S&P500	0	0	0.0%	7,224,771	5,149,820	40.3%	345	4,955	-93.0%	24,012,168	32,698,057	-26.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	14,138	3,712	280.9%	0	0	0.0%	40,810	32,042	27.4%
EOM EMINI S&P	0	0	0.0%	2,859,243	1,558,179	83.5%	0	0	0.0%	9,359,478	13,989,710	-33.1%
EOM S&P 500	140,263	74,730	87.7%	0	0	0.0%	641,771	1,070,459	-40.0%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,092	1,594	31.2%	0	0	0.0%	7,456	12,557	-40.6%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,946	3,823	-49.1%	0	0	0.0%	7,245	17,969	-59.7%
EOW1 EMINI S&P 500	0	0	0.0%	1,242,920	1,087,829	14.3%	0	0	0.0%	4,371,057	6,049,230	-27.7%
EOW1 S&P 500	22,861	93,341	-75.5%	0	0	0.0%	283,284	369,178	-23.3%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	7,404	6,280	17.9%	0	0	0.0%	17,640	29,509	-40.2%
EOW2 EMINI S&P 500	0	0	0.0%	1,647,803	995,742	65.5%	0	0	0.0%	5,050,602	7,546,250	-33.1%
EOW2 S&P 500	141,810	119,958	18.2%	0	0	0.0%	676,222	763,105	-11.4%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,282	16,304	-6.3%	0	0	0.0%	53,703	127,195	-57.8%
EOW3 EMINI S&P 500	0	0	0.0%	2,760,389	2,220,806	24.3%	0	0	0.0%	12,029,713	21,281,497	-43.5%
EOW3 S&P 500	117,967	197,273	-40.2%	0	0	0.0%	684,763	1,905,737	-64.1%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	5,318	3,417	55.6%	0	0	0.0%	17,280	36,599	-52.8%
EOW4 EMINI S&P 500	0	0	0.0%	1,109,508	789,320	40.6%	0	0	0.0%	4,802,087	6,676,361	-28.1%
S&P 500	198,571	230,608	-13.9%	0	0	0.0%	1,125,292	1,619,733	-30.5%	0	0	0.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	31	13	138.5%	0	0	0.0%	102	35	191.4%
AD/JY CROSS RATES	0	0	0.0%	4,258	2,852	49.3%	0	0	0.0%	14,258	18,578	-23.3%
AD/NE CROSS RATES	0	0	0.0%	137	51	168.6%	0	0	0.0%	378	386	-2.1%
AUSTRALIAN DOLLAR	0	0	0.0%	2,186,851	2,559,168	-14.5%	0	0	0.0%	10,612,526	12,105,034	-12.3%
BDI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	3,162	2,326	35.9%	0	0	0.0%	11,277	16,847	-33.1%
BP/SF CROSS RATES	0	0	0.0%	588	523	12.4%	0	0	0.0%	2,024	1,690	19.8%
BRAZIL REAL	0	0	0.0%	130,232	98,580	32.1%	0	0	0.0%	532,575	459,938	15.8%
BRITISH POUND	0	0	0.0%	2,338,807	2,824,770	-17.2%	0	7	-100.0%	12,104,461	13,731,573	-11.8%
CANADIAN DOLLAR	0	0	0.0%	1,734,369	1,960,099	-11.5%	3	33	-90.9%	7,896,454	8,895,056	-11.2%
CD/JY CROSS RATES	0	0	0.0%	54	204	-73.5%	0	0	0.0%	119	524	-77.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	31,669	2,345	1,250.5%	0	0	0.0%	126,747	11,850	969.6%

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<b>FX Futures</b>												
CZECK KORUNA (EC)	0	-	-	0	-	-	0	-	-	10	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	0	-	-
EC/AD CROSS RATES	0	0	0.0%	2,504	742	237.5%	0	0	0.0%	17,253	6,295	174.1%
EC/CD CROSS RATES	0	0	0.0%	2,107	2,051	2.7%	0	0	0.0%	12,314	16,968	-27.4%
EC/NOK CROSS RATES	0	0	0.0%	550	310	77.4%	0	0	0.0%	2,222	1,537	44.6%
EC/SEK CROSS RATES	0	0	0.0%	372	182	104.4%	0	0	0.0%	2,355	3,230	-27.1%
EFX/BP CROSS RATES	0	0	0.0%	73,164	54,488	34.3%	0	0	0.0%	421,732	359,632	17.3%
EFX/JY CROSS RATES	0	0	0.0%	45,292	98,905	-54.2%	0	0	0.0%	284,887	399,545	-28.7%
EFX/SF CROSS RATES	0	0	0.0%	29,262	34,366	-14.9%	0	0	0.0%	142,474	138,309	3.0%
E-MICRO AUD/USD	0	0	0.0%	109,083	107,774	1.2%	0	0	0.0%	610,910	507,275	20.4%
E-MICRO CAD/USD	0	0	0.0%	19,444	15,697	23.9%	0	0	0.0%	81,845	90,802	-9.9%
E-MICRO CHF/USD	0	0	0.0%	1,787	1,438	24.3%	0	0	0.0%	8,969	6,616	35.6%
E-MICRO EUR/USD	0	0	0.0%	228,070	479,033	-52.4%	0	0	0.0%	1,255,779	2,044,247	-38.6%
E-MICRO GBP/USD	0	0	0.0%	30,393	35,874	-15.3%	0	0	0.0%	224,901	270,095	-16.7%
E-MICRO INR/USD	0	0	0.0%	3,793	5,706	-33.5%	0	0	0.0%	24,152	18,673	29.3%
E-MICRO JPY/USD	0	0	0.0%	32,131	31,063	3.4%	0	0	0.0%	140,276	170,835	-17.9%
E-MINI EURO FX	0	0	0.0%	90,736	122,279	-25.8%	0	0	0.0%	458,101	518,133	-11.6%
E-MINI JAPANESE YEN	0	0	0.0%	8,583	11,648	-26.3%	0	0	0.0%	53,198	62,843	-15.3%
EURO FX	8	9	-11.1%	3,863,157	7,278,309	-46.9%	39	446	-91.3%	20,643,023	28,969,625	-28.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	-	-	2	-	-	0	-	-	8	-	-
INDIAN RUPEE	0	0	0.0%	50,778	104,437	-51.4%	0	0	0.0%	352,681	454,751	-22.4%
JAPANESE YEN	0	0	0.0%	3,217,543	3,233,433	-0.5%	0	17	-100.0%	12,897,598	16,222,369	-20.5%
KOREAN WON	0	0	0.0%	243	114	113.2%	0	0	0.0%	1,059	1,301	-18.6%
MEXICAN PESO	0	0	0.0%	1,381,545	1,598,324	-13.6%	0	0	0.0%	6,426,005	6,796,343	-5.4%
NEW ZEALND DOLLAR	0	0	0.0%	551,579	781,323	-29.4%	0	0	0.0%	2,855,699	3,402,696	-16.1%
NKR/USD CROSS RATE	0	0	0.0%	4,130	4,519	-8.6%	0	0	0.0%	17,003	18,177	-6.5%
POLISH ZLOTY (EC)	0	0	0.0%	8	16	-50.0%	0	0	0.0%	390	64	509.4%
POLISH ZLOTY (US)	0	0	0.0%	60	81	-25.9%	0	0	0.0%	454	519	-12.5%
RMB USD	0	0	0.0%	3	1	200.0%	0	0	0.0%	5	16	-68.8%
RUSSIAN RUBLE	0	0	0.0%	41,699	45,013	-7.4%	0	0	0.0%	258,193	285,859	-9.7%
S.AFRICAN RAND	0	0	0.0%	38,053	50,585	-24.8%	0	0	0.0%	183,897	210,930	-12.8%
SF/JY CROSS RATES	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	0	0.0%
SHEKEL	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	1,455	3,957	-63.2%	0	0	0.0%	11,520	16,274	-29.2%

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<b>FX Futures</b>												
SWISS FRANC	0	0	0.0%	524,587	597,559	-12.2%	0	0	0.0%	2,523,717	2,929,979	-13.9%
TURKISH LIRA	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	0	0.0%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	5	300.0%
<b>FX Options</b>												
AUD/USD PQO 2pm Fix	0	0	0.0%	135,108	120,350	12.3%	0	0	0.0%	530,057	635,074	-16.5%
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%
BRAZIL REAL	0	-	-	54	-	-	0	-	-	54	-	-
BRITISH POUND	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	111	-100.0%	0	0	0.0%	0	228	-100.0%
CAD/USD PQO 2pm Fix	250	10	2,400.0%	108,183	176,920	-38.9%	581	1,619	-64.1%	530,722	851,702	-37.7%
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%
CHF/USD PQO 2pm Fix	0	0	0.0%	2,183	4,847	-55.0%	0	0	0.0%	12,152	13,252	-8.3%
EFX/BP CROSS RATES	0	-	-	0	-	-	0	-	-	74	-	-
EFX/JY CROSS RATES	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	7	-100.0%	0	0	0.0%	0	28	-100.0%
EUR/USD PQO 2pm Fix	1,115	3,306	-66.3%	521,915	998,307	-47.7%	6,963	7,555	-7.8%	2,654,629	4,214,741	-37.0%
GBP/USD PQO 2pm Fix	16	25	-36.0%	152,099	229,666	-33.8%	699	480	45.6%	924,767	1,222,450	-24.4%
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 PQO 2pm Fix	5	280	-98.2%	273,808	253,418	8.0%	40	3,433	-98.8%	1,053,634	1,361,036	-22.6%
MEXICAN PESO	0	1,215	-100.0%	1,526	866	76.2%	900	2,695	-66.6%	6,752	7,892	-14.4%
NEW ZEALND DOLLAR	0	-	-	120	-	-	0	-	-	2,453	-	-
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	829	-100.0%	0	0	0.0%	0	8,488	-100.0%



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 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>Foreign Exchange Options</b>												
AUD/USD PQO 2pm Fix	0	0	0.0%	982	1,548	-36.6%	0	0	0.0%	5,006	3,614	38.5%
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	4,259	3,801	12.0%	0	0	0.0%	19,271	22,364	-13.8%
CASH-SETTLED CHEESE	0	0	0.0%	8,916	8,732	2.1%	0	0	0.0%	57,623	45,486	26.7%
CATTLE	2,005	817	145.4%	1,753,377	1,678,279	4.5%	8,506	6,636	28.2%	7,756,471	7,155,387	8.4%
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%	0	0	0.0%
CLASS IV MILK	0	0	0.0%	2,117	453	367.3%	105	0	0.0%	12,895	2,893	345.7%
DRY WHEY	0	0	0.0%	1,482	1,311	13.0%	0	0	0.0%	7,153	6,061	18.0%
FEEDER CATTLE	81	0	0.0%	337,555	269,161	25.4%	90	12	650.0%	1,597,653	1,491,300	7.1%
GOLDMAN SACHS	0	0	0.0%	28,163	33,673	-16.4%	0	0	0.0%	145,594	158,403	-8.1%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	296	-100.0%
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	3,000	726	313.2%	1,429,563	1,235,332	15.7%	10,739	7,125	50.7%	6,578,686	5,264,173	25.0%
HOUSING INDEX	0	0	0.0%	3	7	-57.1%	0	0	0.0%	69	37	86.5%
LUMBER	0	0	0.0%	13,444	21,911	-38.6%	0	0	0.0%	70,784	95,725	-26.1%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	7	480	-98.5%	24,456	20,571	18.9%	107	692	-84.5%	125,802	99,017	27.1%
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%	7,074	4,199	68.5%	0	43	-100.0%	34,845	26,862	29.7%
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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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 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>Ag Products Options</b>												
BUTTER CS	78	623	-87.5%	5,126	4,529	13.2%	3,613	5,537	-34.7%	18,349	12,920	42.0%
CASH-SETTLED CHEESE	598	1,836	-67.4%	9,062	6,032	50.2%	10,054	12,576	-20.1%	43,496	32,923	32.1%
CATTLE	40,237	29,352	37.1%	222,476	277,066	-19.7%	152,142	148,702	2.3%	928,364	1,272,724	-27.1%
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	216	115	87.8%	2,809	815	244.7%	2,654	455	483.3%	18,956	4,229	348.2%
DRY WHEY	219	84	160.7%	1,433	591	142.5%	507	823	-38.4%	4,941	1,570	214.7%
FEEDER CATTLE	4,467	2,079	114.9%	43,232	24,811	74.2%	9,294	12,153	-23.5%	150,102	158,061	-5.0%
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	36,028	11,966	201.1%	330,595	146,481	125.7%	199,014	121,228	64.2%	1,621,897	802,036	102.2%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	21	-100.0%	1,544	2,508	-38.4%	70	157	-55.4%	9,500	9,904	-4.1%
LV CATL CSO	20	83	-75.9%	0	0	0.0%	439	103	326.2%	0	0	0.0%
MILK	2,292	12,697	-81.9%	38,549	23,833	61.7%	12,784	35,959	-64.4%	177,728	105,809	68.0%
MLK MID OPTIONS	0	68	-100.0%	24	0	0.0%	8	278	-97.1%	176	0	0.0%
NFD MILK	46	831	-94.5%	3,591	2,803	28.1%	620	6,745	-90.8%	36,306	20,627	76.0%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	990,004	801,762	23.5%	72,235,022	66,881,023	8.0%	3,866,838	4,767,702	-18.9%	295,856,167	359,213,918	-17.6%
Equity Index Futures	6,738	23,388	-71.2%	68,012,066	39,946,521	70.3%	90,153	196,622	-54.1%	243,683,846	252,089,549	-3.3%
FX Futures	8	9	-11.1%	16,782,271	22,150,158	-24.2%	42	503	-91.7%	81,213,586	99,165,454	-18.1%
Foreign Exchange Futures	0	0	0.0%	0	829	-100.0%	0	0	0.0%	0	8,488	-100.0%
Ag Products Futures	5,093	2,023	151.8%	3,610,409	3,277,430	10.2%	19,547	14,508	34.7%	16,406,846	14,368,059	14.2%
<b>TOTAL FUTURES</b>	<b>1,001,843</b>	<b>827,182</b>	<b>21.1%</b>	<b>160,639,768</b>	<b>132,255,961</b>	<b>21.5%</b>	<b>3,976,580</b>	<b>4,979,335</b>	<b>-20.1%</b>	<b>637,160,445</b>	<b>724,845,468</b>	<b>-12.1%</b>

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## CME Exchange Volume Comparison Report - Monthly

	Open Outcry MAY 2019	Open Outcry MAY 2018	% CHG	ELEC MAY 2019	ELEC MAY 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	621,472	715,910	-13.2%	17,157,804	12,022,071	42.7%	3,411,677	5,733,167	-40.5%	60,861,559	89,872,107	-32.3%
Interest Rate Options	25,704,650	16,679,457	54.1%	17,628,756	8,439,701	108.9%	104,138,523	105,507,417	-1.3%	64,304,044	55,089,383	16.7%
FX Options	1,386	4,836	-71.3%	1,194,996	1,784,492	-33.0%	9,183	15,782	-41.8%	5,715,294	8,306,466	-31.2%
Ag Products Options	84,201	59,755	40.9%	658,441	489,469	34.5%	391,199	344,716	13.5%	3,009,815	2,420,803	24.3%
Foreign Exchange Options	0	0	0.0%	982	1,548	-36.6%	0	0	0.0%	5,006	3,614	38.5%
<b>TOTAL OPTIONS</b>	<b>26,411,709</b>	<b>17,459,958</b>	<b>51.3%</b>	<b>36,640,979</b>	<b>22,737,281</b>	<b>61.1%</b>	<b>107,950,582</b>	<b>111,601,082</b>	<b>-3.3%</b>	<b>133,895,718</b>	<b>155,692,373</b>	<b>-14.0%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	26,694,654	17,481,219	52.7%	89,863,778	75,320,724	19.3%	108,005,361	110,275,119	-2.1%	360,160,211	414,303,301	-13.1%
Equity Index	628,210	739,298	-15.0%	85,169,870	51,968,592	63.9%	3,501,830	5,929,789	-40.9%	304,545,405	341,961,656	-10.9%
FX	1,394	4,845	-71.2%	17,977,267	23,934,650	-24.9%	9,225	16,285	-43.4%	86,928,880	107,471,920	-19.1%
Foreign Exchange	0	0	0.0%	982	2,377	-58.7%	0	0	0.0%	5,006	12,102	-58.6%
Ag Products	89,294	61,778	44.5%	4,268,850	3,766,899	13.3%	410,746	359,224	14.3%	19,416,661	16,788,862	15.7%
<b>GRAND TOTAL</b>	<b>27,413,552</b>	<b>18,287,140</b>	<b>49.9%</b>	<b>197,280,747</b>	<b>154,993,242</b>	<b>27.3%</b>	<b>111,927,162</b>	<b>116,580,417</b>	<b>-4.0%</b>	<b>771,056,163</b>	<b>880,537,841</b>	<b>-12.4%</b>

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