



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Interest Rate Futures</b>												
1-MONTH EURODOLLAR	0	0	0.0%	1,282	8,012	-84.0%	0	0	0.0%	14,111	13,393	5.4%
EURODOLLARS	912,451	684,773	33.2%	51,962,886	50,119,573	3.7%	3,965,940	2,826,590	40.3%	292,318,784	238,056,890	22.8%
<b>Interest Rate Options</b>												
EURODOLLARS	9,070,866	10,469,494	-13.4%	3,757,117	5,026,231	-25.2%	44,954,230	41,474,949	8.4%	21,468,567	16,949,018	26.7%
EURO MIDCURVE	7,480,525	9,726,804	-23.1%	4,430,530	5,873,102	-24.6%	43,873,730	42,051,555	4.3%	25,181,115	20,790,889	21.1%

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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Equity Index Futures</b>												
BITCOIN FUTURES	0	-	-	78,590	-	-	0	-	-	191,607	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	1,334	10	13,240.0%	0	0	0.0%	7,586	34	22,211.8%
E-mini FTSE China 50	0	0	0.0%	1,169	680	71.9%	0	0	0.0%	5,658	5,187	9.1%
E-MINI MIDCAP	0	0	0.0%	327,328	320,224	2.2%	0	0	0.0%	1,588,509	1,487,016	6.8%
E-MINI NASDAQ 100	0	0	0.0%	9,989,301	4,349,962	129.6%	0	0	0.0%	39,081,877	16,992,063	130.0%
E-MINI RUSSELL 1000	0	0	0.0%	7,354	875	740.5%	0	0	0.0%	36,414	4,237	759.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	10,128	1,387	630.2%	0	0	0.0%	32,380	2,716	1,092.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	6,648	1,747	280.5%	0	0	0.0%	33,640	7,373	356.3%
E-MINI RUSSELL 2000	0	-	-	2,188,717	-	-	0	-	-	11,052,980	-	-
E-MINI S&P500	0	0	0.0%	35,303,475	27,315,616	29.2%	0	0	0.0%	153,521,291	125,732,912	22.1%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	4,154	3,246	28.0%	0	0	0.0%	15,235	8,951	70.2%
FT-SE 100	0	0	0.0%	1,558	254	513.4%	0	0	0.0%	6,346	994	538.4%
FTSE Emerging	0	0	0.0%	25	0	0.0%	0	0	0.0%	512	72	611.1%
IBOVESPA INDEX	0	0	0.0%	1,569	702	123.5%	0	0	0.0%	4,969	2,822	76.1%
NASDAQ BIOTECH	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NIFTY 50	0	0	0.0%	0	14,295	-100.0%	0	0	0.0%	54,444	28,111	93.7%
NIKKEI 225 (\$) STOCK	0	0	0.0%	242,944	242,852	0.0%	0	0	0.0%	1,661,224	1,143,263	45.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	757,063	828,929	-8.7%	0	0	0.0%	4,235,900	3,787,973	11.8%
S&P 500	20,436	26,001	-21.4%	4,186	2,740	52.8%	173,234	300,908	-42.4%	26,177	20,364	28.5%
S&P 500/GI	0	0	0.0%	0	3	-100.0%	0	0	0.0%	26	55	-52.7%
S&P 500/VALUE	0	0	0.0%	4,822	5,324	-9.4%	0	0	0.0%	14,541	20,641	-29.6%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	18,181	1,849	883.3%	0	0	0.0%	57,457	18,245	214.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	7,377	2,496	195.6%	0	0	0.0%	50,020	28,981	72.6%
S&P ENERGY SECTOR	0	0	0.0%	16,453	8,124	102.5%	0	0	0.0%	69,982	45,137	55.0%
S&P FINANCIAL SECTOR	0	0	0.0%	29,026	11,144	160.5%	0	0	0.0%	111,629	53,580	108.3%
S&P HEALTH CARE SECTOR	0	0	0.0%	10,315	4,167	147.5%	0	0	0.0%	49,430	38,826	27.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	14,762	1,109	1,231.1%	0	0	0.0%	47,059	14,872	216.4%
S&P MATERIALS SECTOR	0	0	0.0%	6,526	2,692	142.4%	0	0	0.0%	30,369	20,667	46.9%
S&P TECHNOLOGY SECTOR	0	0	0.0%	19,182	2,040	840.3%	0	0	0.0%	72,985	19,583	272.7%
S&P UTILITIES SECTOR	0	0	0.0%	17,540	6,746	160.0%	0	0	0.0%	81,724	55,418	47.5%
YEN DENOMINATED TOPIX	0	-	-	52	-	-	0	-	-	1,057	-	-

## CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Equity Index Options</b>												
E-MINI MIDCAP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	257,136	126,039	104.0%	0	0	0.0%	1,126,043	675,677	66.7%
E-MINI RUSSELL 2000	0	-	-	5,124	-	-	0	-	-	63,843	-	-
E-MINI S&P500	0	0	0.0%	4,864,439	3,021,978	61.0%	4,955	0	0.0%	27,548,237	15,848,497	73.8%
EOM E-MINI RUSSELL 2000 EN	0	-	-	1,984	-	-	0	-	-	28,330	-	-
EOM EMINI S&P	0	0	0.0%	1,892,120	2,201,165	-14.0%	0	0	0.0%	12,431,531	8,400,810	48.0%
EOM S&P 500	86,640	166,336	-47.9%	0	0	0.0%	995,729	738,336	34.9%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	-	-	2,425	-	-	0	-	-	10,963	-	-
EOW1 E-MINI RUSSELL 2000 W	0	-	-	3,008	-	-	0	-	-	14,146	-	-
EOW1 EMINI S&P 500	0	0	0.0%	1,274,677	1,310,244	-2.7%	0	0	0.0%	4,961,401	4,804,539	3.3%
EOW1 S&P 500	74,428	97,157	-23.4%	0	0	0.0%	275,837	307,170	-10.2%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	-	-	4,609	-	-	0	-	-	23,229	-	-
EOW2 EMINI S&P 500	0	0	0.0%	1,697,501	1,139,512	49.0%	0	0	0.0%	6,550,508	4,584,010	42.9%
EOW2 S&P 500	137,389	64,364	113.5%	0	0	0.0%	643,147	611,824	5.1%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	-	-	22,614	-	-	0	-	-	110,891	-	-
EOW3 EMINI S&P 500	0	0	0.0%	4,642,092	4,384,632	5.9%	0	0	0.0%	19,060,691	15,666,845	21.7%
EOW3 S&P 500	337,128	400,561	-15.8%	0	0	0.0%	1,708,464	1,511,394	13.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	-	-	3,856	-	-	0	-	-	33,182	-	-
EOW4 EMINI S&P 500	0	0	0.0%	1,228,546	59,717	1,957.3%	0	0	0.0%	5,887,041	3,514,793	67.5%
S&P 500	194,223	176,543	10.0%	0	0	0.0%	1,389,125	1,152,442	20.5%	0	0	0.0%
<b>FX Futures</b>												
AD/CD CROSS RATES	0	0	0.0%	4	6	-33.3%	0	0	0.0%	22	21	4.8%
AD/JY CROSS RATES	0	0	0.0%	2,477	1,519	63.1%	0	0	0.0%	15,726	7,697	104.3%
AD/NE CROSS RATES	0	0	0.0%	62	36	72.2%	0	0	0.0%	335	110	204.5%
AUSTRALIAN DOLLAR	0	0	0.0%	1,924,572	1,545,274	24.5%	0	747	-100.0%	9,545,866	7,134,063	33.8%
BDI	0	0	0.0%	0	1,201	-100.0%	0	0	0.0%	0	5,403	-100.0%
BP/JY CROSS RATES	0	0	0.0%	2,811	2,421	16.1%	0	0	0.0%	14,521	9,003	61.3%
BP/SF CROSS RATES	0	0	0.0%	275	288	-4.5%	0	0	0.0%	1,167	308	278.9%
BRAZIL REAL	0	0	0.0%	103,598	52,961	95.6%	0	0	0.0%	361,358	173,832	107.9%
BRITISH POUND	3	2	50.0%	2,244,468	1,999,789	12.2%	7	248	-97.2%	10,906,803	9,549,708	14.2%
CANADIAN DOLLAR	1	4	-75.0%	1,527,425	1,269,615	20.3%	33	766	-95.7%	6,934,957	5,473,973	26.7%
CD/JY CROSS RATES	0	0	0.0%	218	154	41.6%	0	0	0.0%	320	432	-25.9%

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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>FX Futures</b>												
CHINESE RENMINBI (CNH)	0	0	0.0%	1,781	528	237.3%	0	0	0.0%	9,505	5,803	63.8%
EC/AD CROSS RATES	0	0	0.0%	662	1,814	-63.5%	0	0	0.0%	5,553	9,505	-41.6%
EC/CD CROSS RATES	0	0	0.0%	1,947	1,944	0.2%	0	0	0.0%	14,917	11,872	25.6%
EC/NOK CROSS RATES	0	0	0.0%	302	11	2,645.5%	0	0	0.0%	1,227	126	873.8%
EC/SEK CROSS RATES	0	0	0.0%	140	126	11.1%	0	0	0.0%	3,048	604	404.6%
EFX/BP CROSS RATES	0	0	0.0%	56,167	47,181	19.0%	0	0	0.0%	305,144	219,308	39.1%
EFX/JY CROSS RATES	0	0	0.0%	45,633	52,913	-13.8%	0	0	0.0%	300,640	190,990	57.4%
EFX/SF CROSS RATES	0	0	0.0%	14,611	22,723	-35.7%	0	0	0.0%	103,943	110,353	-5.8%
E-MICRO AUD/USD	0	0	0.0%	84,891	60,039	41.4%	0	0	0.0%	399,501	321,952	24.1%
E-MICRO CAD/USD	0	0	0.0%	13,835	17,020	-18.7%	0	0	0.0%	75,105	60,367	24.4%
E-MICRO CHF/USD	0	0	0.0%	1,026	840	22.1%	0	0	0.0%	5,178	3,593	44.1%
E-MICRO EUR/USD	0	0	0.0%	356,765	234,641	52.0%	0	0	0.0%	1,565,214	1,064,540	47.0%
E-MICRO GBP/USD	0	0	0.0%	45,062	58,988	-23.6%	0	0	0.0%	234,221	254,618	-8.0%
E-MICRO INR/USD	0	0	0.0%	3,317	2,682	23.7%	0	0	0.0%	12,967	9,437	37.4%
E-MICRO JPY/USD	0	0	0.0%	33,026	41,769	-20.9%	0	0	0.0%	139,772	203,482	-31.3%
E-MICRO USD/CAD	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CHF	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MICRO USD/CNH	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MICRO USD/JPY	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MINI EURO FX	0	0	0.0%	63,198	73,178	-13.6%	0	0	0.0%	395,854	333,248	18.8%
E-MINI JAPANESE YEN	0	0	0.0%	10,054	26,059	-61.4%	0	0	0.0%	51,195	124,102	-58.7%
EURO FX	9	512	-98.2%	4,391,968	3,334,399	31.7%	437	1,608	-72.8%	21,691,316	17,027,516	27.4%
HUNGARIAN FORINT (EC)	0	-	-	0	-	-	0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	69,277	26,122	165.2%	0	0	0.0%	350,314	110,857	216.0%
JAPANESE YEN	7	1,172	-99.4%	2,594,103	2,981,741	-13.0%	17	7,362	-99.8%	12,988,936	13,547,965	-4.1%
KOREAN WON	0	0	0.0%	149	11	1,254.5%	0	0	0.0%	1,187	55	2,058.2%
MEXICAN PESO	0	0	0.0%	1,194,946	824,666	44.9%	0	5	-100.0%	5,198,019	3,891,070	33.6%
NEW ZEALND DOLLAR	0	0	0.0%	583,105	315,259	85.0%	0	0	0.0%	2,621,373	1,879,172	39.5%
NKR/USD CROSS RATE	0	0	0.0%	3,455	799	332.4%	0	0	0.0%	13,658	7,034	94.2%
POLISH ZLOTY (EC)	0	0	0.0%	4	71	-94.4%	0	0	0.0%	48	135	-64.4%
POLISH ZLOTY (US)	0	0	0.0%	68	40	70.0%	0	0	0.0%	438	508	-13.8%
RMB USD	0	0	0.0%	0	2	-100.0%	0	0	0.0%	15	121	-87.6%
RUSSIAN RUBLE	0	0	0.0%	85,099	25,649	231.8%	0	0	0.0%	240,846	125,353	92.1%
S.AFRICAN RAND	0	0	0.0%	34,752	35,409	-1.9%	0	0	0.0%	160,345	166,465	-3.7%
SF/JY CROSS RATES	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%

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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>FX Futures</b>												
SHEKEL	0	-	-	0	-	-	0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	3,355	1,414	137.3%	0	0	0.0%	12,317	7,310	68.5%
SWISS FRANC	0	0	0.0%	479,569	390,636	22.8%	0	0	0.0%	2,332,420	1,826,915	27.7%
TURKISH LIRA	0	0	0.0%	0	12	-100.0%	0	0	0.0%	0	12	-100.0%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	0	0.0%
<b>FX Options</b>												
AUD/USD PQO 2pm Fix	0	0	0.0%	121,428	62,439	94.5%	0	1,375	-100.0%	514,724	274,638	87.4%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%
AUSTRALIAN DOLLAR	0	150	-100.0%	0	20,874	-100.0%	0	2,423	-100.0%	0	145,056	-100.0%
BRITISH POUND	0	44	-100.0%	0	49,259	-100.0%	0	651	-100.0%	0	271,637	-100.0%
BRITISH POUND (EU)	0	0	0.0%	3	196	-98.5%	0	0	0.0%	117	821	-85.7%
CAD/USD PQO 2pm Fix	17	25	-32.0%	163,140	72,066	126.4%	1,609	1,765	-8.8%	674,782	291,630	131.4%
CANADIAN DOLLAR	0	61	-100.0%	0	23,156	-100.0%	0	1,682	-100.0%	0	128,097	-100.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	5	-100.0%	0	0	0.0%	63	46	37.0%
CHF/USD PQO 2pm Fix	0	0	0.0%	3,446	1,423	142.2%	0	0	0.0%	8,405	8,034	4.6%
EFX/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
EURO FX	0	2,533	-100.0%	0	259,524	-100.0%	0	7,757	-100.0%	0	891,831	-100.0%
EURO FX (EU)	0	0	0.0%	0	23	-100.0%	0	0	0.0%	21	229	-90.8%
EUR/USD PQO 2pm Fix	243	3,587	-93.2%	582,666	479,007	21.6%	4,249	11,015	-61.4%	3,216,434	1,529,630	110.3%
GBP/USD PQO 2pm Fix	18	10	80.0%	208,991	107,202	95.0%	455	509	-10.6%	992,784	500,787	98.2%
JAPANESE YEN	0	1,506	-100.0%	0	62,626	-100.0%	0	7,502	-100.0%	0	415,149	-100.0%
JAPANESE YEN (EU)	0	0	0.0%	0	28	-100.0%	0	0	0.0%	0	133	-100.0%
JPY/USD PQO 2pm Fix	240	1,583	-84.8%	257,818	183,661	40.4%	3,153	24,810	-87.3%	1,107,618	816,622	35.6%
MEXICAN PESO	580	140	314.3%	4,653	614	657.8%	1,480	249	494.4%	7,026	17,506	-59.9%
RUSSIAN RUBLE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SWISS FRANC	0	0	0.0%	0	468	-100.0%	0	0	0.0%	0	4,145	-100.0%
SWISS FRANC (EU)	0	0	0.0%	0	4	-100.0%	0	0	0.0%	0	5	-100.0%
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	747	380	96.6%	0	0	0.0%	7,659	909	742.6%

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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Foreign Exchange Options</b>												
AUD/USD PQO 2pm Fix	0	-	-	560	-	-	0	-	-	2,066	-	-
<b>Ag Products Futures</b>												
BUTTER CS	0	0	0.0%	3,296	2,683	22.8%	0	0	0.0%	18,563	11,873	56.3%
CASH-SETTLED CHEESE	0	0	0.0%	8,001	8,671	-7.7%	0	0	0.0%	36,754	44,999	-18.3%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CATTLE	1,199	2,628	-54.4%	1,292,477	1,253,355	3.1%	5,819	13,142	-55.7%	5,477,108	5,047,160	8.5%
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	10	-100.0%	550	421	30.6%	0	60	-100.0%	2,440	5,331	-54.2%
DRY WHEY	0	0	0.0%	910	1,566	-41.9%	0	0	0.0%	4,750	10,149	-53.2%
FEEDER CATTLE	5	168	-97.0%	339,737	355,511	-4.4%	12	297	-96.0%	1,222,139	1,090,835	12.0%
GOLDMAN SACHS	0	0	0.0%	30,782	32,392	-5.0%	0	0	0.0%	124,730	138,120	-9.7%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.0%	0	0	0.0%	296	327	-9.5%
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%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.0%	0	0	0.0%	55	50	10.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
HOGS	1,555	2,034	-23.5%	960,469	682,839	40.7%	6,399	9,616	-33.5%	4,028,841	3,221,080	25.1%
HOUSING INDEX	0	0	0.0%	9	4	125.0%	0	0	0.0%	30	51	-41.2%
LUMBER	0	0	0.0%	22,439	21,607	3.9%	0	0	0.0%	73,814	67,762	8.9%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	3	-100.0%	18,985	20,260	-6.3%	212	584	-63.7%	78,446	108,720	-27.8%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	5	0	0.0%	7,080	2,290	209.2%	43	0	0.0%	22,663	21,478	5.5%
PALM OIL	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	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%



## CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>Ag Products Options</b>												
BUTTER CS	2,241	826	171.3%	2,935	177	1,558.2%	4,914	3,761	30.7%	8,391	989	748.4%
CASH-SETTLED CHEESE	2,821	3,230	-12.7%	5,574	3,770	47.9%	10,740	16,279	-34.0%	26,891	14,001	92.1%
CATTLE	29,285	52,946	-44.7%	272,589	222,874	22.3%	119,350	231,151	-48.4%	995,658	826,255	20.5%
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	259	148	75.0%	689	1,542	-55.3%	340	1,750	-80.6%	3,414	4,414	-22.7%
DRY WHEY	42	369	-88.6%	184	237	-22.4%	739	1,384	-46.6%	979	507	93.1%
FEEDER CATTLE	2,172	4,796	-54.7%	31,985	43,324	-26.2%	10,074	13,336	-24.5%	133,250	128,862	3.4%
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%	0	0	0.0%
HOGS	35,491	16,017	121.6%	175,363	155,857	12.5%	109,262	93,558	16.8%	655,555	609,994	7.5%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	24	-100.0%
LUMBER	5	5	0.0%	1,904	1,628	17.0%	136	30	353.3%	7,396	5,024	47.2%
LV CATL CSO	10	200	-95.0%	0	0	0.0%	20	1,055	-98.1%	0	0	0.0%
MILK	6,760	11,810	-42.8%	21,471	18,280	17.5%	23,262	50,902	-54.3%	81,976	95,371	-14.0%
MLK MID OPTIONS	87	19	357.9%	0	0	0.0%	210	329	-36.2%	0	0	0.0%
NFD MILK	1,622	1,197	35.5%	7,572	925	718.6%	5,914	7,777	-24.0%	17,824	11,357	56.9%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	912,451	684,773	33.2%	51,964,168	50,127,585	3.7%	3,965,940	2,826,590	40.3%	292,332,895	238,070,283	22.8%
Equity Index Futures	20,436	26,001	-21.4%	49,069,779	33,129,213	48.1%	173,234	300,908	-42.4%	212,143,028	149,540,093	41.9%
FX Futures	20	1,690	-98.8%	15,978,177	13,451,950	18.8%	494	10,736	-95.4%	77,015,296	63,868,938	20.6%
Foreign Exchange Futures	0	0	0.0%	747	380	96.6%	0	0	0.0%	7,659	909	742.6%
Ag Products Futures	2,764	4,843	-42.9%	2,684,735	2,381,599	12.7%	12,485	23,699	-47.3%	11,090,629	9,767,985	13.5%
<b>TOTAL FUTURES</b>	<b>935,671</b>	<b>717,307</b>	<b>30.4%</b>	<b>119,697,606</b>	<b>99,090,727</b>	<b>20.8%</b>	<b>4,152,153</b>	<b>3,161,933</b>	<b>31.3%</b>	<b>592,589,507</b>	<b>461,248,208</b>	<b>28.5%</b>

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 APR 2018	Open Outcry APR 2017	% CHG	ELEC APR 2018	ELEC APR 2017	% CHG	Open Outcry Y.T.D 2018	Open Outcry Y.T.D 2017	% CHG	ELEC Y.T.D 2018	ELEC Y.T.D 2017	% CHG
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	829,808	904,961	-8.3%	15,900,131	12,243,287	29.9%	5,017,257	4,321,166	16.1%	77,850,036	53,495,171	45.5%
Interest Rate Options	16,551,391	20,196,298	-18.0%	8,187,647	10,899,333	-24.9%	88,827,960	83,526,504	6.3%	46,649,682	37,739,907	23.6%
FX Options	1,098	9,639	-88.6%	1,342,145	1,322,575	1.5%	10,946	59,738	-81.7%	6,521,974	5,295,998	23.1%
Ag Products Options	80,795	91,563	-11.8%	520,266	448,614	16.0%	284,961	421,312	-32.4%	1,931,334	1,696,798	13.8%
Foreign Exchange Options	0	-	-	560	-	-	0	-	-	2,066	-	-
<b>TOTAL OPTIONS</b>	<b>17,463,092</b>	<b>21,202,461</b>	<b>-17.6%</b>	<b>25,950,749</b>	<b>24,913,809</b>	<b>4.2%</b>	<b>94,141,124</b>	<b>88,328,720</b>	<b>6.6%</b>	<b>132,955,092</b>	<b>98,227,874</b>	<b>35.4%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	17,463,842	20,881,071	-16.4%	60,151,815	61,026,918	-1.4%	92,793,900	86,353,094	7.5%	338,982,577	275,810,190	22.9%
Equity Index	850,244	930,962	-8.7%	64,969,910	45,372,500	43.2%	5,190,491	4,622,074	12.3%	289,993,064	203,035,264	42.8%
FX	1,118	11,329	-90.1%	17,320,322	14,774,525	17.2%	11,440	70,474	-83.8%	83,537,270	69,164,936	20.8%
Foreign Exchange	0	0	0.0%	1,307	380	243.9%	0	0	0.0%	9,725	909	969.9%
Ag Products	83,559	96,406	-13.3%	3,205,001	2,830,213	13.2%	297,446	445,011	-33.2%	13,021,963	11,464,783	13.6%
<b>GRAND TOTAL</b>	<b>18,398,763</b>	<b>21,919,768</b>	<b>-16.1%</b>	<b>145,648,355</b>	<b>124,004,536</b>	<b>17.5%</b>	<b>98,293,277</b>	<b>91,490,653</b>	<b>7.4%</b>	<b>725,544,599</b>	<b>559,476,082</b>	<b>29.7%</b>