

CME Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2019	Open Outcry APR 2018	% CHG	ELEC APR 2019	ELEC APR 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
Interest Rate Futures												
1-MONTH EURODOLLAR	0	0	0.0%	5	1,282	-99.6%	0	0	0.0%	120	14,111	-99.1%
EURODOLLARS	750,294	912,451	-17.8%	48,659,782	51,962,886	-6.4%	2,876,834	3,965,940	-27.5%	220,781,619	292,318,784	-24.5%
SOFR	0	-	-	466,355	-	-	0	-	-	2,188,369	-	-
SONIA	0	-	-	190,171	-	-	0	-	-	651,037	-	-
Interest Rate Options												
EURODOLLARS	11,312,233	9,070,866	24.7%	5,088,994	3,757,117	35.4%	49,124,252	44,954,230	9.3%	24,139,268	21,468,567	12.4%
EURO MIDCURVE	6,185,708	7,480,525	-17.3%	5,835,982	4,430,530	31.7%	29,309,621	43,873,730	-33.2%	22,536,020	25,181,115	-10.5%

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Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	208,056	78,590	164.7%	0	0	0.0%	474,570	191,607	147.7%
E-mini FTSE 100 (USD)	0	0	0.0%	0	1,334	-100.0%	0	0	0.0%	336	7,586	-95.6%
E-mini FTSE China 50	0	0	0.0%	3	1,169	-99.7%	0	0	0.0%	696	5,658	-87.7%
E-MINI MIDCAP	0	0	0.0%	225,935	327,328	-31.0%	0	0	0.0%	1,306,591	1,588,509	-17.7%
E-MINI NASDAQ 100	0	0	0.0%	8,123,569	9,989,301	-18.7%	0	0	0.0%	37,355,762	39,081,877	-4.4%
E-MINI RUSSELL 1000	0	0	0.0%	2,708	7,354	-63.2%	0	0	0.0%	11,614	36,414	-68.1%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,147	10,128	-78.8%	0	0	0.0%	9,552	32,380	-70.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	6,727	6,648	1.2%	0	0	0.0%	30,615	33,640	-9.0%
E-MINI RUSSELL 2000	0	0	0.0%	2,216,499	2,188,717	1.3%	0	0	0.0%	11,054,433	11,052,980	0.0%
E-MINI S&P500	0	0	0.0%	23,758,746	35,303,475	-32.7%	0	0	0.0%	121,348,240	153,521,291	-21.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	3,739	4,154	-10.0%	0	0	0.0%	24,845	15,235	63.1%
FT-SE 100	0	0	0.0%	0	1,558	-100.0%	0	0	0.0%	372	6,346	-94.1%
FTSE Emerging	0	0	0.0%	2,477	25	9,808.0%	0	0	0.0%	9,273	512	1,711.1%
IBOVESPA INDEX	0	0	0.0%	647	1,569	-58.8%	0	0	0.0%	2,940	4,969	-40.8%
NASDAQ BIOTECH	0	0	0.0%	413	0	0.0%	0	0	0.0%	739	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%	148,828	242,944	-38.7%	0	0	0.0%	814,054	1,661,224	-51.0%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	558,649	757,063	-26.2%	228	0	0.0%	2,725,459	4,235,900	-35.7%
S&P 500	4,139	20,436	-79.7%	803	4,186	-80.8%	83,187	173,234	-52.0%	5,507	26,177	-79.0%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	20	26	-23.1%
S&P 500/VALUE	0	0	0.0%	5,725	4,822	18.7%	0	0	0.0%	35,421	14,541	143.6%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,985	18,181	-83.6%	0	0	0.0%	30,059	57,457	-47.7%
S&P CONSUMER STAPLES SE	0	0	0.0%	4,322	7,377	-41.4%	0	0	0.0%	41,714	50,020	-16.6%
S&P ENERGY SECTOR	0	0	0.0%	6,027	16,453	-63.4%	0	0	0.0%	52,378	69,982	-25.2%
S&P FINANCIAL SECTOR	0	0	0.0%	18,580	29,026	-36.0%	0	0	0.0%	62,266	111,629	-44.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	8,229	10,315	-20.2%	0	0	0.0%	45,600	49,430	-7.7%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,943	14,762	-59.7%	0	0	0.0%	34,615	47,059	-26.4%
S&P MATERIALS SECTOR	0	0	0.0%	5,358	6,526	-17.9%	0	0	0.0%	26,252	30,369	-13.6%
S&P TECHNOLOGY SECTOR	0	0	0.0%	4,464	19,182	-76.7%	0	0	0.0%	44,893	72,985	-38.5%
S&P UTILITIES SECTOR	0	0	0.0%	11,408	17,540	-35.0%	0	0	0.0%	71,826	81,724	-12.1%
YEN DENOMINATED TOPIX	0	0	0.0%	18,792	52	36,038.5%	0	0	0.0%	51,138	1,057	4,738.0%



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Equity Index Options												
E-MINI NASDAQ 100	0	0	0.0%	169,910	257,136	-33.9%	0	0	0.0%	783,833	1,126,043	-30.4%
E-MINI RUSSELL 2000	0	0	0.0%	9,423	5,124	83.9%	0	0	0.0%	41,497	63,843	-35.0%
E-MINI S&P500	345	0	0.0%	3,309,993	4,864,439	-32.0%	345	4,955	-93.0%	16,787,397	27,548,237	-39.1%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	6,334	1,984	219.3%	0	0	0.0%	26,672	28,330	-5.9%
EOM EMINI S&P	0	0	0.0%	1,223,694	1,892,120	-35.3%	0	0	0.0%	6,500,235	12,431,531	-47.7%
EOM S&P 500	122,495	86,640	41.4%	0	0	0.0%	501,508	995,729	-49.6%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,162	2,425	-10.8%	0	0	0.0%	5,364	10,963	-51.1%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,121	3,008	-29.5%	0	0	0.0%	5,299	14,146	-62.5%
EOW1 EMINI S&P 500	0	0	0.0%	813,690	1,274,677	-36.2%	0	0	0.0%	3,128,137	4,961,401	-37.0%
EOW1 S&P 500	69,791	74,428	-6.2%	0	0	0.0%	260,423	275,837	-5.6%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	3,254	4,609	-29.4%	0	0	0.0%	10,236	23,229	-55.9%
EOW2 EMINI S&P 500	0	0	0.0%	612,623	1,697,501	-63.9%	0	0	0.0%	3,402,799	6,550,508	-48.1%
EOW2 S&P 500	101,893	137,389	-25.8%	0	0	0.0%	534,412	643,147	-16.9%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,097	22,614	-33.2%	0	0	0.0%	38,421	110,891	-65.4%
EOW3 EMINI S&P 500	0	0	0.0%	2,112,467	4,642,092	-54.5%	0	0	0.0%	9,269,324	19,060,691	-51.4%
EOW3 S&P 500	134,104	337,128	-60.2%	0	0	0.0%	566,796	1,708,464	-66.8%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	3,317	3,856	-14.0%	0	0	0.0%	11,962	33,182	-64.0%
EOW4 EMINI S&P 500	0	0	0.0%	672,575	1,228,546	-45.3%	0	0	0.0%	3,692,579	5,887,041	-37.3%
S&P 500	171,915	194,223	-11.5%	0	0	0.0%	926,721	1,389,125	-33.3%	0	0	0.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	19	4	375.0%	0	0	0.0%	71	22	222.7%
AD/JY CROSS RATES	0	0	0.0%	2,855	2,477	15.3%	0	0	0.0%	10,000	15,726	-36.4%
AD/NE CROSS RATES	0	0	0.0%	109	62	75.8%	0	0	0.0%	241	335	-28.1%
AUSTRALIAN DOLLAR	0	0	0.0%	1,962,179	1,924,572	2.0%	0	0	0.0%	8,425,675	9,545,866	-11.7%
BDI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	1,983	2,811	-29.5%	0	0	0.0%	8,115	14,521	-44.1%
BP/SF CROSS RATES	0	0	0.0%	283	275	2.9%	0	0	0.0%	1,436	1,167	23.1%
BRAZIL REAL	0	0	0.0%	102,420	103,598	-1.1%	0	0	0.0%	402,343	361,358	11.3%
BRITISH POUND	0	3	-100.0%	1,899,153	2,244,468	-15.4%	0	7	-100.0%	9,765,654	10,906,803	-10.5%
CANADIAN DOLLAR	0	1	-100.0%	1,537,062	1,527,425	0.6%	3	33	-90.9%	6,162,085	6,934,957	-11.1%
CD/JY CROSS RATES	0	0	0.0%	47	218	-78.4%	0	0	0.0%	65	320	-79.7%
CHINESE RENMINBI (CNH)	0	0	0.0%	16,689	1,781	837.1%	0	0	0.0%	95,078	9,505	900.3%

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FX Futures												
CZECK KORUNA (EC)	0	-	-	0	-	-	0	-	-	10	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	0	-	-
EC/AD CROSS RATES	0	0	0.0%	1,314	662	98.5%	0	0	0.0%	14,749	5,553	165.6%
EC/CD CROSS RATES	0	0	0.0%	1,486	1,947	-23.7%	0	0	0.0%	10,207	14,917	-31.6%
EC/NOK CROSS RATES	0	0	0.0%	382	302	26.5%	0	0	0.0%	1,672	1,227	36.3%
EC/SEK CROSS RATES	0	0	0.0%	175	140	25.0%	0	0	0.0%	1,983	3,048	-34.9%
EFX/BP CROSS RATES	0	0	0.0%	54,722	56,167	-2.6%	0	0	0.0%	348,568	305,144	14.2%
EFX/JY CROSS RATES	0	0	0.0%	30,328	45,633	-33.5%	0	0	0.0%	239,595	300,640	-20.3%
EFX/SF CROSS RATES	0	0	0.0%	28,924	14,611	98.0%	0	0	0.0%	113,212	103,943	8.9%
E-MICRO AUD/USD	0	0	0.0%	122,906	84,891	44.8%	0	0	0.0%	501,827	399,501	25.6%
E-MICRO CAD/USD	0	0	0.0%	15,081	13,835	9.0%	0	0	0.0%	62,401	75,105	-16.9%
E-MICRO CHF/USD	0	0	0.0%	1,099	1,026	7.1%	0	0	0.0%	7,182	5,178	38.7%
E-MICRO EUR/USD	0	0	0.0%	263,239	356,765	-26.2%	0	0	0.0%	1,027,709	1,565,214	-34.3%
E-MICRO GBP/USD	0	0	0.0%	37,017	45,062	-17.9%	0	0	0.0%	194,508	234,221	-17.0%
E-MICRO INR/USD	0	0	0.0%	4,614	3,317	39.1%	0	0	0.0%	20,359	12,967	57.0%
E-MICRO JPY/USD	0	0	0.0%	19,499	33,026	-41.0%	0	0	0.0%	108,145	139,772	-22.6%
E-MINI EURO FX	0	0	0.0%	87,097	63,198	37.8%	0	0	0.0%	367,365	395,854	-7.2%
E-MINI JAPANESE YEN	0	0	0.0%	7,329	10,054	-27.1%	0	0	0.0%	44,615	51,195	-12.9%
EURO FX	20	9	122.2%	3,902,460	4,391,968	-11.1%	31	437	-92.9%	16,779,866	21,691,316	-22.6%
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	-	-	6	-	-
INDIAN RUPEE	0	0	0.0%	58,338	69,277	-15.8%	0	0	0.0%	301,903	350,314	-13.8%
JAPANESE YEN	0	7	-100.0%	2,121,714	2,594,103	-18.2%	0	17	-100.0%	9,680,055	12,988,936	-25.5%
KOREAN WON	0	0	0.0%	125	149	-16.1%	0	0	0.0%	816	1,187	-31.3%
MEXICAN PESO	0	0	0.0%	988,730	1,194,946	-17.3%	0	0	0.0%	5,044,460	5,198,019	-3.0%
NEW ZEALND DOLLAR	0	0	0.0%	525,616	583,105	-9.9%	0	0	0.0%	2,304,120	2,621,373	-12.1%
NKR/USD CROSS RATE	0	0	0.0%	3,298	3,455	-4.5%	0	0	0.0%	12,873	13,658	-5.7%
POLISH ZLOTY (EC)	0	0	0.0%	159	4	3,875.0%	0	0	0.0%	382	48	695.8%
POLISH ZLOTY (US)	0	0	0.0%	71	68	4.4%	0	0	0.0%	394	438	-10.0%
RMB USD	0	0	0.0%	1	0	0.0%	0	0	0.0%	2	15	-86.7%
RUSSIAN RUBLE	0	0	0.0%	31,849	85,099	-62.6%	0	0	0.0%	216,494	240,846	-10.1%
S.AFRICAN RAND	0	0	0.0%	20,038	34,752	-42.3%	0	0	0.0%	145,844	160,345	-9.0%
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%	1,979	3,355	-41.0%	0	0	0.0%	10,065	12,317	-18.3%

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FX Futures												
SWISS FRANC	0	0	0.0%	513,255	479,569	7.0%	0	0	0.0%	1,999,130	2,332,420	-14.3%
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%
FX Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	104,347	121,428	-14.1%	0	0	0.0%	394,949	514,724	-23.3%
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	3	-100.0%	0	0	0.0%	0	117	-100.0%
CAD/USD PQO 2pm Fix	90	17	429.4%	114,730	163,140	-29.7%	331	1,609	-79.4%	422,539	674,782	-37.4%
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%	2,692	3,446	-21.9%	0	0	0.0%	9,969	8,405	18.6%
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	0	0.0%	0	0	0.0%	0	21	-100.0%
EUR/USD PQO 2pm Fix	1,975	243	712.8%	570,912	582,666	-2.0%	5,848	4,249	37.6%	2,132,714	3,216,434	-33.7%
GBP/USD PQO 2pm Fix	520	18	2,788.9%	169,234	208,991	-19.0%	683	455	50.1%	772,668	992,784	-22.2%
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	10	240	-95.8%	232,210	257,818	-9.9%	35	3,153	-98.9%	779,826	1,107,618	-29.6%
MEXICAN PESO	0	580	-100.0%	1,019	4,653	-78.1%	900	1,480	-39.2%	5,226	7,026	-25.6%
NEW ZEALND DOLLAR	0	-	-	187	-	-	0	-	-	2,333	-	-
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%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	747	-100.0%	0	0	0.0%	0	7,659	-100.0%

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Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	1,216	560	117.1%	0	0	0.0%	4,024	2,066	94.8%
Ag Products Futures												
BUTTER CS	0	0	0.0%	3,772	3,296	14.4%	0	0	0.0%	15,012	18,563	-19.1%
CASH-SETTLED CHEESE	0	0	0.0%	9,743	8,001	21.8%	0	0	0.0%	48,707	36,754	32.5%
CATTLE	2,303	1,199	92.1%	1,434,653	1,292,477	11.0%	6,501	5,819	11.7%	6,003,094	5,477,108	9.6%
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	12	0	0.0%	3,537	550	543.1%	105	0	0.0%	10,778	2,440	341.7%
DRY WHEY	0	0	0.0%	1,248	910	37.1%	0	0	0.0%	5,671	4,750	19.4%
FEEDER CATTLE	0	5	-100.0%	365,969	339,737	7.7%	9	12	-25.0%	1,260,098	1,222,139	3.1%
GOLDMAN SACHS	0	0	0.0%	27,466	30,782	-10.8%	0	0	0.0%	117,431	124,730	-5.9%
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	2,518	1,555	61.9%	1,347,724	960,469	40.3%	7,739	6,399	20.9%	5,149,123	4,028,841	27.8%
HOUSING INDEX	0	0	0.0%	19	9	111.1%	0	0	0.0%	66	30	120.0%
LUMBER	0	0	0.0%	17,404	22,439	-22.4%	0	0	0.0%	57,340	73,814	-22.3%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	19	0	0.0%	25,805	18,985	35.9%	100	212	-52.8%	101,346	78,446	29.2%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	5	-100.0%	6,796	7,080	-4.0%	0	43	-100.0%	27,771	22,663	22.5%
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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	Open Outcry APR 2019	Open Outcry APR 2018	% CHG	ELEC APR 2019	ELEC APR 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
Ag Products Options												
BUTTER CS	606	2,241	-73.0%	3,865	2,935	31.7%	3,535	4,914	-28.1%	13,223	8,391	57.6%
CASH-SETTLED CHEESE	423	2,821	-85.0%	9,144	5,574	64.0%	9,456	10,740	-12.0%	34,434	26,891	28.1%
CATTLE	35,277	29,285	20.5%	202,256	272,589	-25.8%	111,905	119,350	-6.2%	705,888	995,658	-29.1%
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	531	259	105.0%	4,425	689	542.2%	2,438	340	617.1%	16,147	3,414	373.0%
DRY WHEY	224	42	433.3%	1,066	184	479.3%	288	739	-61.0%	3,508	979	258.3%
FEEDER CATTLE	2,073	2,172	-4.6%	32,656	31,985	2.1%	4,827	10,074	-52.1%	106,870	133,250	-19.8%
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	45,415	35,491	28.0%	379,443	175,363	116.4%	162,986	109,262	49.2%	1,291,302	655,555	97.0%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
LUMBER	0	5	-100.0%	2,451	1,904	28.7%	70	136	-48.5%	7,956	7,396	7.6%
LV CATL CSO	10	10	0.0%	0	0	0.0%	419	20	1,995.0%	0	0	0.0%
MILK	3,462	6,760	-48.8%	39,326	21,471	83.2%	10,492	23,262	-54.9%	139,179	81,976	69.8%
MLK MID OPTIONS	0	87	-100.0%	54	0	0.0%	8	210	-96.2%	152	0	0.0%
NFD MILK	115	1,622	-92.9%	5,638	7,572	-25.5%	574	5,914	-90.3%	32,715	17,824	83.5%
TOTAL FUTURES GROUP												
Interest Rate Futures	750,294	912,451	-17.8%	49,316,313	51,964,168	-5.1%	2,876,834	3,965,940	-27.5%	223,621,145	292,332,895	-23.5%
Equity Index Futures	4,139	20,436	-79.7%	35,351,779	49,069,779	-28.0%	83,415	173,234	-51.8%	175,671,780	212,143,028	-17.2%
FX Futures	20	20	0.0%	14,365,646	15,978,177	-10.1%	34	494	-93.1%	64,431,315	77,015,296	-16.3%
Foreign Exchange Futures	0	0	0.0%	0	747	-100.0%	0	0	0.0%	0	7,659	-100.0%
Ag Products Futures	4,852	2,764	75.5%	3,244,136	2,684,735	20.8%	14,454	12,485	15.8%	12,796,437	11,090,629	15.4%
TOTAL FUTURES	759,305	935,671	-18.8%	102,277,874	119,697,606	-14.6%	2,974,737	4,152,153	-28.4%	476,520,677	592,589,507	-19.6%

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.

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	Open Outcry APR 2019	Open Outcry APR 2018	% CHG	ELEC APR 2019	ELEC APR 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
TOTAL OPTIONS GROUP												
Equity Index Options	600,543	829,808	-27.6%	8,956,660	15,900,131	-43.7%	2,790,205	5,017,257	-44.4%	43,703,755	77,850,036	-43.9%
Interest Rate Options	17,497,941	16,551,391	5.7%	10,924,976	8,187,647	33.4%	78,433,873	88,827,960	-11.7%	46,675,288	46,649,682	0.1%
FX Options	2,595	1,098	136.3%	1,195,331	1,342,145	-10.9%	7,797	10,946	-28.8%	4,520,298	6,521,974	-30.7%
Ag Products Options	88,136	80,795	9.1%	680,324	520,266	30.8%	306,998	284,961	7.7%	2,351,374	1,931,334	21.7%
Foreign Exchange Options	0	0	0.0%	1,216	560	117.1%	0	0	0.0%	4,024	2,066	94.8%
TOTAL OPTIONS	18,189,215	17,463,092	4.2%	21,758,507	25,950,749	-16.2%	81,538,873	94,141,124	-13.4%	97,254,739	132,955,092	-26.9%
TOTAL COMBINED												
Interest Rate	18,248,235	17,463,842	4.5%	60,241,289	60,151,815	0.1%	81,310,707	92,793,900	-12.4%	270,296,433	338,982,577	-20.3%
Equity Index	604,682	850,244	-28.9%	44,308,439	64,969,910	-31.8%	2,873,620	5,190,491	-44.6%	219,375,535	289,993,064	-24.4%
FX	2,615	1,118	133.9%	15,560,977	17,320,322	-10.2%	7,831	11,440	-31.5%	68,951,613	83,537,270	-17.5%
Foreign Exchange	0	0	0.0%	1,216	1,307	-7.0%	0	0	0.0%	4,024	9,725	-58.6%
Ag Products	92,988	83,559	11.3%	3,924,460	3,205,001	22.4%	321,452	297,446	8.1%	15,147,811	13,021,963	16.3%
GRAND TOTAL	18,948,520	18,398,763	3.0%	124,036,381	145,648,355	-14.8%	84,513,610	98,293,277	-14.0%	573,775,416	725,544,599	-20.9%