

CME Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2018	Open Outcry NOV 2017	% CHG	ELEC NOV 2018	ELEC NOV 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
Interest Rate Futures												
1-MONTH EURODOLLAR	0	0	0.0%	0	4,420	-100.0%	0	0	0.0%	31,342	51,775	-39.5%
EURODOLLARS	678,692	660,232	2.8%	57,692,399	48,059,358	20.0%	8,669,920	7,007,421	23.7%	673,062,244	578,041,719	16.4%
SOFR	0	-	-	245,030	-	-	0	-	-	775,902	-	-
SONIA	0	-	-	124,925	-	-	0	-	-	186,324	-	-
Interest Rate Options												
EURODOLLARS	5,541,787	6,113,057	-9.3%	4,426,523	3,646,239	21.4%	97,329,754	89,052,373	9.3%	49,491,941	43,024,159	15.0%
EURO MIDCURVE	8,989,740	10,240,172	-12.2%	6,892,241	6,742,140	2.2%	97,587,723	98,467,733	-0.9%	59,839,028	63,835,544	-6.3%

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Equity Index Futures												
BITCOIN FUTURES	0	-	-	125,751	-	-	0	-	-	842,902	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	1,306	1,093	19.5%	0	0	0.0%	15,538	2,072	649.9%
E-mini FTSE China 50	0	0	0.0%	498	4,404	-88.7%	0	0	0.0%	11,249	19,291	-41.7%
E-MINI MIDCAP	0	0	0.0%	354,261	278,129	27.4%	0	0	0.0%	4,177,261	3,760,657	11.1%
E-MINI NASDAQ 100	0	0	0.0%	13,040,926	6,421,192	103.1%	0	0	0.0%	108,936,314	62,479,988	74.4%
E-MINI RUSSELL 1000	0	0	0.0%	10,332	6,643	55.5%	0	0	0.0%	96,277	28,345	239.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	11,185	3,032	268.9%	0	0	0.0%	86,327	17,685	388.1%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	10,799	3,731	189.4%	0	0	0.0%	106,118	26,218	304.8%
E-MINI RUSSELL 2000	0	0	0.0%	3,093,984	2,164,088	43.0%	0	0	0.0%	32,143,163	7,210,280	345.8%
E-MINI S&P500	0	0	0.0%	36,983,127	27,554,129	34.2%	0	0	0.0%	388,896,537	333,755,902	16.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	6,495	1,264	413.8%	0	0	0.0%	44,854	26,695	68.0%
FT-SE 100	0	0	0.0%	1,167	1,173	-0.5%	0	0	0.0%	13,812	6,703	106.1%
FTSE Emerging	0	0	0.0%	2,979	266	1,019.9%	0	0	0.0%	8,030	722	1,012.2%
IBOVESPA INDEX	0	0	0.0%	136	590	-76.9%	0	0	0.0%	11,475	6,988	64.2%
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	14,369	-100.0%	0	0	0.0%	54,444	131,490	-58.6%
NIKKEI 225 (\$) STOCK	0	0	0.0%	267,623	425,097	-37.0%	0	0	0.0%	3,422,886	3,023,295	13.2%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	850,395	1,148,523	-26.0%	0	0	0.0%	9,818,741	10,066,944	-2.5%
S&P 500	15,177	22,303	-32.0%	3,313	4,209	-21.3%	425,797	698,482	-39.0%	49,091	48,090	2.1%
S&P 500/GI	0	0	0.0%	0	1	-100.0%	0	0	0.0%	73	251	-70.9%
S&P 500/VALUE	0	0	0.0%	6,788	1,162	484.2%	0	0	0.0%	54,033	73,738	-26.7%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	1	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	21,487	3,269	557.3%	0	0	0.0%	173,666	45,434	282.2%
S&P CONSUMER STAPLES SE	0	0	0.0%	13,468	3,197	321.3%	0	0	0.0%	158,080	87,234	81.2%
S&P ENERGY SECTOR	0	0	0.0%	32,649	6,470	404.6%	0	0	0.0%	237,603	107,447	121.1%
S&P FINANCIAL SECTOR	0	0	0.0%	33,904	12,079	180.7%	0	0	0.0%	340,426	164,382	107.1%
S&P HEALTH CARE SECTOR	0	0	0.0%	23,765	4,238	460.8%	0	0	0.0%	163,646	92,740	76.5%
S&P INDUSTRIAL SECTOR	0	0	0.0%	13,405	5,457	145.6%	0	0	0.0%	145,660	51,882	180.8%
S&P MATERIALS SECTOR	0	0	0.0%	9,880	4,179	136.4%	0	0	0.0%	94,011	62,743	49.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	51,906	4,825	975.8%	0	0	0.0%	314,480	58,683	435.9%
S&P UTILITIES SECTOR	0	0	0.0%	29,757	6,482	359.1%	0	0	0.0%	278,732	151,121	84.4%
YEN DENOMINATED TOPIX	0	-	-	597	-	-	0	-	-	5,734	-	-

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Equity Index Options												
E-MINI MIDCAP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
E-MINI NASDAQ 100	0	0	0.0%	249,338	351,587	-29.1%	0	0	0.0%	2,683,262	2,691,520	-0.3%
E-MINI RUSSELL 2000	0	0	0.0%	11,113	19,153	-42.0%	0	0	0.0%	143,256	41,359	246.4%
E-MINI S&P500	0	3,200	-100.0%	6,606,266	5,429,562	21.7%	14,660	5,135	185.5%	65,060,734	46,788,678	39.1%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	10,529	3,493	201.4%	0	0	0.0%	74,388	15,018	395.3%
EOM EMINI S&P	0	0	0.0%	2,336,360	2,316,604	0.9%	0	0	0.0%	28,995,981	22,235,291	30.4%
EOM S&P 500	157,237	278,004	-43.4%	0	0	0.0%	1,989,998	2,110,848	-5.7%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,702	1,641	3.7%	0	0	0.0%	22,621	6,576	244.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,937	1,764	9.8%	0	0	0.0%	28,060	6,625	323.5%
EOW1 EMINI S&P 500	0	0	0.0%	1,164,190	1,246,815	-6.6%	0	0	0.0%	12,387,393	11,805,588	4.9%
EOW1 S&P 500	34,448	108,008	-68.1%	0	0	0.0%	878,609	982,064	-10.5%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	5,319	4,977	6.9%	0	0	0.0%	55,304	11,645	374.9%
EOW2 EMINI S&P 500	0	0	0.0%	1,310,158	1,214,931	7.8%	0	0	0.0%	14,328,432	11,746,518	22.0%
EOW2 S&P 500	132,952	243,522	-45.4%	0	0	0.0%	1,720,817	1,911,618	-10.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	13,977	12,044	16.0%	0	0	0.0%	207,503	55,382	274.7%
EOW3 EMINI S&P 500	0	0	0.0%	3,199,095	2,992,790	6.9%	0	3,000	-100.0%	40,435,024	37,054,376	9.1%
EOW3 S&P 500	174,710	340,297	-48.7%	0	0	0.0%	2,968,491	3,984,497	-25.5%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,718	3,109	51.8%	0	0	0.0%	57,976	11,558	401.6%
EOW4 EMINI S&P 500	0	0	0.0%	990,683	892,935	10.9%	0	0	0.0%	12,419,736	10,536,427	17.9%
S&P 500	409,029	435,685	-6.1%	0	0	0.0%	3,445,548	3,573,737	-3.6%	0	0	0.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	2	0	0.0%	0	0	0.0%	55	38	44.7%
AD/JY CROSS RATES	0	0	0.0%	3,090	1,567	97.2%	0	0	0.0%	45,521	26,109	74.3%
AD/NE CROSS RATES	0	0	0.0%	62	51	21.6%	0	0	0.0%	795	940	-15.4%
AUSTRALIAN DOLLAR	0	0	0.0%	2,223,688	1,966,988	13.1%	0	1,537	-100.0%	25,768,304	21,951,546	17.4%
BDI	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	6,243	-100.0%
BP/JY CROSS RATES	0	0	0.0%	2,049	3,643	-43.8%	0	0	0.0%	32,759	32,137	1.9%
BP/SF CROSS RATES	0	0	0.0%	172	175	-1.7%	0	0	0.0%	3,853	912	322.5%
BRAZIL REAL	0	0	0.0%	86,134	87,786	-1.9%	0	0	0.0%	1,110,191	650,829	70.6%
BRITISH POUND	0	0	0.0%	2,861,731	2,937,040	-2.6%	10	249	-96.0%	29,765,078	27,979,757	6.4%
CANADIAN DOLLAR	0	0	0.0%	1,544,012	1,413,742	9.2%	45	2,684	-98.3%	18,954,703	17,345,207	9.3%
CD/JY CROSS RATES	0	0	0.0%	0	0	0.0%	0	0	0.0%	949	554	71.3%

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FX Futures												
CHINESE RENMINBI (CNH)	0	0	0.0%	20,793	2,098	891.1%	0	0	0.0%	98,437	17,522	461.8%
CZECK KORUNA (EC)	0	-	-	2	-	-	0	-	-	8	-	-
CZECK KORUNA (US)	0	-	-	0	-	-	0	-	-	15	-	-
EC/AD CROSS RATES	0	0	0.0%	1,155	1,533	-24.7%	0	0	0.0%	20,915	25,047	-16.5%
EC/CD CROSS RATES	0	0	0.0%	744	2,342	-68.2%	0	0	0.0%	33,075	45,774	-27.7%
EC/NOK CROSS RATES	0	0	0.0%	173	766	-77.4%	0	0	0.0%	4,165	2,776	50.0%
EC/SEK CROSS RATES	0	0	0.0%	110	1,225	-91.0%	0	0	0.0%	8,090	7,502	7.8%
EFX/BP CROSS RATES	0	0	0.0%	61,271	66,882	-8.4%	0	0	0.0%	873,700	771,836	13.2%
EFX/JY CROSS RATES	0	0	0.0%	42,635	54,669	-22.0%	0	0	0.0%	845,610	698,424	21.1%
EFX/SF CROSS RATES	0	0	0.0%	19,142	17,156	11.6%	0	0	0.0%	313,613	350,493	-10.5%
E-MICRO AUD/USD	0	0	0.0%	123,047	83,620	47.2%	0	0	0.0%	1,201,816	946,499	27.0%
E-MICRO CAD/USD	0	0	0.0%	15,649	17,650	-11.3%	0	0	0.0%	189,497	222,816	-15.0%
E-MICRO CHF/USD	0	0	0.0%	1,481	1,346	10.0%	0	0	0.0%	16,267	11,016	47.7%
E-MICRO EUR/USD	0	0	0.0%	324,646	227,772	42.5%	0	0	0.0%	4,037,284	2,769,857	45.8%
E-MICRO GBP/USD	0	0	0.0%	53,401	55,621	-4.0%	0	0	0.0%	509,258	632,229	-19.5%
E-MICRO INR/USD	0	0	0.0%	5,994	3,423	75.1%	0	0	0.0%	54,678	29,104	87.9%
E-MICRO JPY/USD	0	0	0.0%	24,174	37,845	-36.1%	0	0	0.0%	331,003	427,547	-22.6%
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%	84,842	89,708	-5.4%	0	0	0.0%	1,121,476	1,033,894	8.5%
E-MINI JAPANESE YEN	0	0	0.0%	9,376	10,882	-13.8%	0	0	0.0%	140,981	308,393	-54.3%
EURO FX	2	152	-98.7%	4,606,155	4,571,246	0.8%	544	2,825	-80.7%	62,903,914	50,607,396	24.3%
HUNGARIAN FORINT (EC)	0	-	-	0	-	-	0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-	-	0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	99,328	69,855	42.2%	0	0	0.0%	1,010,786	427,776	136.3%
JAPANESE YEN	4	46	-91.3%	2,704,644	3,486,863	-22.4%	111	8,981	-98.8%	33,442,354	38,320,545	-12.7%
KOREAN WON	0	0	0.0%	391	150	160.7%	0	0	0.0%	2,791	350	697.4%
MEXICAN PESO	0	0	0.0%	1,280,686	1,025,069	24.9%	0	5	-100.0%	15,441,433	11,505,936	34.2%
NEW ZEALND DOLLAR	0	0	0.0%	623,641	511,002	22.0%	0	0	0.0%	6,896,725	5,683,002	21.4%
NKR/USD CROSS RATE	0	0	0.0%	2,756	1,576	74.9%	0	0	0.0%	52,629	19,572	168.9%
POLISH ZLOTY (EC)	0	0	0.0%	22	19	15.8%	0	0	0.0%	208	407	-48.9%
POLISH ZLOTY (US)	0	0	0.0%	54	313	-82.7%	0	0	0.0%	934	1,293	-27.8%
RMB USD	0	0	0.0%	0	1	-100.0%	0	0	0.0%	25	281	-91.1%

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FX Futures												
RUSSIAN RUBLE	0	0	0.0%	42,376	52,886	-19.9%	0	0	0.0%	568,752	396,654	43.4%
S.AFRICAN RAND	0	0	0.0%	37,222	34,974	6.4%	0	0	0.0%	497,058	490,296	1.4%
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%	2,788	1,471	89.5%	0	0	0.0%	48,253	21,799	121.4%
SWISS FRANC	0	0	0.0%	477,324	517,290	-7.7%	0	0	0.0%	6,476,230	6,207,772	4.3%
TURKISH LIRA	0	0	0.0%	0	6	-100.0%	0	0	0.0%	10	18	-44.4%
USDZAR	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	0	0.0%
FX Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	149,195	97,896	52.4%	600	5,746	-89.6%	1,405,249	1,183,009	18.8%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	2	-100.0%
AUSTRALIAN DOLLAR	0	0	0.0%	0	0	0.0%	0	2,674	-100.0%	0	200,250	-100.0%
BRITISH POUND	0	0	0.0%	0	0	0.0%	0	693	-100.0%	0	462,114	-100.0%
BRITISH POUND (EU)	0	0	0.0%	2	178	-98.9%	0	0	0.0%	279	4,429	-93.7%
CAD/USD PQO 2pm Fix	334	945	-64.7%	120,063	138,660	-13.4%	3,040	6,145	-50.5%	1,732,506	1,524,613	13.6%
CANADIAN DOLLAR	0	0	0.0%	0	0	0.0%	0	4,597	-100.0%	0	183,080	-100.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	0	25	-100.0%	0	0	0.0%	63	136	-53.7%
CHF/USD PQO 2pm Fix	0	0	0.0%	852	2,504	-66.0%	0	0	0.0%	29,719	36,975	-19.6%
EFX/JY CROSS RATES	0	-	-	0	-	-	0	-	-	0	-	-
EURO FX	0	0	0.0%	0	0	0.0%	0	8,535	-100.0%	0	1,287,538	-100.0%
EURO FX (EU)	0	0	0.0%	0	16	-100.0%	0	0	0.0%	59	505	-88.3%
EUR/USD PQO 2pm Fix	2,327	1,818	28.0%	603,964	822,167	-26.5%	15,854	29,946	-47.1%	8,066,359	7,092,602	13.7%
GBP/USD PQO 2pm Fix	260	257	1.2%	333,863	384,704	-13.2%	912	5,002	-81.8%	2,933,490	2,426,611	20.9%
JAPANESE YEN	0	0	0.0%	0	0	0.0%	0	8,468	-100.0%	0	544,469	-100.0%
JAPANESE YEN (EU)	0	0	0.0%	0	2	-100.0%	0	0	0.0%	0	182	-100.0%
JPY/USD PQO 2pm Fix	20	725	-97.2%	232,896	273,932	-15.0%	4,485	34,603	-87.0%	2,821,053	2,820,665	0.0%
MEXICAN PESO	400	180	122.2%	1,219	1,906	-36.0%	6,118	1,770	245.6%	16,576	25,346	-34.6%
NEW ZEALND DOLLAR	0	-	-	1,017	-	-	0	-	-	1,033	-	-
RUSSIAN RUBLE	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
SWISS FRANC	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	5,710	-100.0%
SWISS FRANC (EU)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	15	-100.0%



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Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	134	516	-74.0%	0	0	0.0%	12,942	17,593	-26.4%
Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	479	634	-24.4%	0	0	0.0%	9,681	634	1,427.0%
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,440	3,548	25.1%	0	0	0.0%	47,001	35,369	32.9%
CASH-SETTLED CHEESE	0	0	0.0%	13,239	15,258	-13.2%	0	0	0.0%	120,259	113,436	6.0%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CATTLE	128	1,342	-90.5%	1,466,221	1,498,605	-2.2%	12,971	37,877	-65.8%	15,294,230	15,097,606	1.3%
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	25	-100.0%
CLASS IV MILK	3	0	0.0%	2,127	417	410.1%	3	79	-96.2%	8,418	10,013	-15.9%
DRY WHEY	0	0	0.0%	1,009	1,844	-45.3%	0	0	0.0%	15,359	19,079	-19.5%
FEEDER CATTLE	21	13	61.5%	226,098	248,088	-8.9%	38	538	-92.9%	3,296,953	3,264,471	1.0%
GOLDMAN SACHS	0	0	0.0%	31,129	33,561	-7.2%	0	0	0.0%	343,251	373,955	-8.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	202	0	0.0%	0	0	0.0%	818	1,065	-23.2%
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%	55	50	10.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
HOGS	1,432	3,438	-58.3%	1,259,546	1,092,958	15.2%	17,211	34,177	-49.6%	12,760,457	10,428,534	22.4%
HOUSING INDEX	0	0	0.0%	11	2	450.0%	0	0	0.0%	100	133	-24.8%
LUMBER	0	0	0.0%	13,993	18,607	-24.8%	0	0	0.0%	202,554	185,268	9.3%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	0	1,829	-100.0%	30,949	25,474	21.5%	1,239	2,914	-57.5%	271,744	290,709	-6.5%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	15	-100.0%	5,784	3,915	47.7%	43	29	48.3%	55,682	54,958	1.3%
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%

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 NOV 2018	Open Outcry NOV 2017	% CHG	ELEC NOV 2018	ELEC NOV 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
Ag Products Options												
BUTTER CS	196	926	-78.8%	3,448	2,018	70.9%	10,712	11,566	-7.4%	33,272	9,038	268.1%
CASH-SETTLED CHEESE	1,926	3,897	-50.6%	6,100	9,474	-35.6%	31,062	50,431	-38.4%	78,368	52,729	48.6%
CATTLE	12,312	30,719	-59.9%	149,990	215,294	-30.3%	277,604	538,580	-48.5%	2,217,257	2,171,611	2.1%
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	307	336	-8.6%	1,326	1,560	-15.0%	1,088	3,291	-66.9%	11,526	16,045	-28.2%
DRY WHEY	0	686	-100.0%	88	670	-86.9%	1,355	3,810	-64.4%	5,216	2,824	84.7%
FEEDER CATTLE	1,392	3,012	-53.8%	23,307	25,316	-7.9%	20,159	48,334	-58.3%	298,254	329,777	-9.6%
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	33,769	35,846	-5.8%	193,646	181,941	6.4%	304,284	342,476	-11.2%	2,303,868	2,050,290	12.4%
HOUSING INDEX	0	0	0.0%	0	4	-100.0%	0	0	0.0%	0	46	-100.0%
LUMBER	7	1	600.0%	1,526	2,714	-43.8%	223	44	406.8%	19,264	14,566	32.3%
LV CATL CSO	14	0	0.0%	0	0	0.0%	316	1,972	-84.0%	0	0	0.0%
MILK	2,325	16,315	-85.7%	35,040	25,543	37.2%	61,007	133,144	-54.2%	326,415	259,504	25.8%
MLK MID OPTIONS	6	142	-95.8%	1	0	0.0%	431	756	-43.0%	28	0	0.0%
NFD MILK	456	1,610	-71.7%	5,258	3,087	70.3%	9,116	15,909	-42.7%	46,028	32,108	43.4%
TOTAL FUTURES GROUP												
Interest Rate Futures	678,692	660,232	2.8%	58,062,354	48,063,778	20.8%	8,669,920	7,007,421	23.7%	674,055,812	578,093,494	16.6%
Equity Index Futures	15,177	22,303	-32.0%	55,001,883	38,083,291	44.4%	425,797	698,482	-39.0%	550,701,164	421,507,020	30.7%
FX Futures	6	198	-97.0%	17,386,962	17,358,251	0.2%	710	16,281	-95.6%	212,824,220	189,978,098	12.0%
Foreign Exchange Futures	0	0	0.0%	134	516	-74.0%	0	0	0.0%	12,942	17,593	-26.4%
Ag Products Futures	1,584	6,637	-76.1%	3,054,748	2,942,277	3.8%	31,505	75,614	-58.3%	32,416,881	29,874,721	8.5%
TOTAL FUTURES	695,459	689,370	0.9%	133,506,081	106,448,113	25.4%	9,127,932	7,797,798	17.1%	1,470,011,019	1,219,470,926	20.5%

CME Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2018	Open Outcry NOV 2017	% CHG	ELEC NOV 2018	ELEC NOV 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
TOTAL OPTIONS GROUP												
Equity Index Options	908,376	1,408,716	-35.5%	15,905,385	14,491,405	9.8%	11,018,123	12,570,899	-12.4%	176,899,670	143,006,561	23.7%
Interest Rate Options	14,531,527	16,353,229	-11.1%	11,318,764	10,388,379	9.0%	194,917,477	187,520,106	3.9%	109,330,969	106,859,703	2.3%
FX Options	3,341	3,925	-14.9%	1,443,071	1,721,990	-16.2%	31,009	108,179	-71.3%	17,006,386	17,798,251	-4.4%
Ag Products Options	52,710	93,490	-43.6%	419,730	467,621	-10.2%	717,357	1,150,313	-37.6%	5,339,496	4,938,538	8.1%
Foreign Exchange Options	0	0	0.0%	479	634	-24.4%	0	0	0.0%	9,681	634	1,427.0%
TOTAL OPTIONS	15,495,954	17,859,360	-13.2%	29,087,429	27,070,029	7.5%	206,683,966	201,349,497	2.6%	308,586,202	272,603,687	13.2%
TOTAL COMBINED												
Interest Rate	15,210,219	17,013,461	-10.6%	69,381,118	58,452,157	18.7%	203,587,397	194,527,527	4.7%	783,386,781	684,953,197	14.4%
Equity Index	923,553	1,431,019	-35.5%	70,907,268	52,574,696	34.9%	11,443,920	13,269,381	-13.8%	727,600,834	564,513,581	28.9%
FX	3,347	4,123	-18.8%	18,830,033	19,080,241	-1.3%	31,719	124,460	-74.5%	229,830,606	207,776,349	10.6%
Foreign Exchange	0	0	0.0%	613	1,150	-46.7%	0	0	0.0%	22,623	18,227	24.1%
Ag Products	54,294	100,127	-45.8%	3,474,478	3,409,898	1.9%	748,862	1,225,927	-38.9%	37,756,377	34,813,259	8.5%
GRAND TOTAL	16,191,413	18,548,730	-12.7%	162,593,510	133,518,142	21.8%	215,811,898	209,147,295	3.2%	1,778,597,221	1,492,074,613	19.2%