

CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 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%	595	11,747	-94.9%	0	0	0.0%	31,937	63,522	-49.7%
EURODOLLARS	619,962	642,085	-3.4%	70,723,083	45,454,095	55.6%	9,289,882	7,649,506	21.4%	743,785,327	623,495,814	19.3%
SOFR	0	-	-	274,162	-	-	0	-	-	1,050,064	-	-
SONIA	0	-	-	112,287	-	-	0	-	-	298,611	-	-
Interest Rate Options												
EURODOLLARS	8,450,205	6,581,550	28.4%	4,724,306	3,758,222	25.7%	105,779,959	95,633,923	10.6%	54,216,247	46,782,381	15.9%
EURO MIDCURVE	8,543,713	7,475,241	14.3%	4,926,969	3,835,511	28.5%	106,131,436	105,942,974	0.2%	64,765,997	67,671,055	-4.3%

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Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	80,055	9,498	742.9%	0	0	0.0%	922,957	9,498	9,617.4%
E-mini FTSE 100 (USD)	0	0	0.0%	748	958	-21.9%	0	0	0.0%	16,286	3,030	437.5%
E-mini FTSE China 50	0	0	0.0%	1,038	2,422	-57.1%	0	0	0.0%	12,287	21,713	-43.4%
E-MINI MIDCAP	0	0	0.0%	605,951	436,225	38.9%	0	0	0.0%	4,783,212	4,196,882	14.0%
E-MINI NASDAQ 100	0	0	0.0%	14,580,088	6,467,768	125.4%	0	0	0.0%	123,516,402	68,947,756	79.1%
E-MINI RUSSELL 1000	0	0	0.0%	10,648	9,081	17.3%	0	0	0.0%	106,925	37,426	185.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	7,519	4,788	57.0%	0	0	0.0%	93,846	22,473	317.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	15,290	5,925	158.1%	0	0	0.0%	121,408	32,143	277.7%
E-MINI RUSSELL 2000	0	0	0.0%	4,832,933	3,306,804	46.2%	0	0	0.0%	36,976,096	10,517,084	251.6%
E-MINI S&P500	0	0	0.0%	52,762,929	30,200,611	74.7%	0	0	0.0%	441,659,466	363,956,513	21.3%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	21,052	2,537	729.8%	0	0	0.0%	65,906	29,232	125.5%
FT-SE 100	0	0	0.0%	989	1,126	-12.2%	0	0	0.0%	14,801	7,829	89.1%
FTSE Emerging	0	0	0.0%	3,528	215	1,540.9%	0	0	0.0%	11,558	937	1,133.5%
IBOVESPA INDEX	0	0	0.0%	673	1,124	-40.1%	0	0	0.0%	12,148	8,112	49.8%
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	11,288	-100.0%	0	0	0.0%	54,444	142,778	-61.9%
NIKKEI 225 (\$) STOCK	0	0	0.0%	367,761	348,348	5.6%	0	0	0.0%	3,790,647	3,371,643	12.4%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,141,049	751,579	51.8%	0	0	0.0%	10,959,790	10,818,523	1.3%
S&P 500	62,484	118,124	-47.1%	4,170	2,695	54.7%	488,281	816,606	-40.2%	53,261	50,785	4.9%
S&P 500/GI	0	0	0.0%	20	34	-41.2%	0	0	0.0%	93	285	-67.4%
S&P 500/VALUE	0	0	0.0%	9,483	7,792	21.7%	0	0	0.0%	63,516	81,530	-22.1%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	1	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	14,737	8,131	81.2%	0	0	0.0%	188,403	53,565	251.7%
S&P CONSUMER STAPLES SE	0	0	0.0%	50,811	16,029	217.0%	0	0	0.0%	208,891	103,263	102.3%
S&P ENERGY SECTOR	0	0	0.0%	48,434	13,964	246.8%	0	0	0.0%	286,037	121,411	135.6%
S&P FINANCIAL SECTOR	0	0	0.0%	52,646	29,630	77.7%	0	0	0.0%	393,072	194,012	102.6%
S&P HEALTH CARE SECTOR	0	0	0.0%	58,710	8,421	597.2%	0	0	0.0%	222,356	101,161	119.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	46,680	8,532	447.1%	0	0	0.0%	192,340	60,414	218.4%
S&P MATERIALS SECTOR	0	0	0.0%	20,058	6,930	189.4%	0	0	0.0%	114,069	69,673	63.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	85,286	12,300	593.4%	0	0	0.0%	399,766	70,983	463.2%
S&P UTILITIES SECTOR	0	0	0.0%	39,170	27,983	40.0%	0	0	0.0%	317,902	179,104	77.5%
YEN DENOMINATED TOPIX	0	-	-	7,631	-	-	0	-	-	13,365	-	-

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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%	195,152	181,848	7.3%	0	0	0.0%	2,878,414	2,873,368	0.2%
E-MINI RUSSELL 2000	0	0	0.0%	10,319	6,543	57.7%	0	0	0.0%	153,575	47,902	220.6%
E-MINI S&P500	0	4,240	-100.0%	8,289,340	4,257,471	94.7%	14,660	9,375	56.4%	73,350,074	51,046,149	43.7%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	3,019	7,031	-57.1%	0	0	0.0%	77,407	22,049	251.1%
EOM EMINI S&P	0	0	0.0%	2,198,100	2,555,559	-14.0%	0	0	0.0%	31,194,081	24,790,850	25.8%
EOM S&P 500	178,063	237,026	-24.9%	0	0	0.0%	2,168,061	2,347,874	-7.7%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,292	844	53.1%	0	0	0.0%	23,913	7,420	222.3%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,835	725	153.1%	0	0	0.0%	29,895	7,350	306.7%
EOW1 EMINI S&P 500	0	0	0.0%	1,682,057	863,745	94.7%	0	0	0.0%	14,069,450	12,669,333	11.1%
EOW1 S&P 500	130,946	109,985	19.1%	0	0	0.0%	1,009,555	1,092,049	-7.6%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	4,504	2,352	91.5%	0	0	0.0%	59,808	13,997	327.3%
EOW2 EMINI S&P 500	0	0	0.0%	1,503,724	903,260	66.5%	0	0	0.0%	15,832,156	12,649,778	25.2%
EOW2 S&P 500	290,407	185,468	56.6%	0	0	0.0%	2,011,224	2,097,086	-4.1%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	6,926	9,657	-28.3%	0	0	0.0%	214,429	65,039	229.7%
EOW3 EMINI S&P 500	0	0	0.0%	2,850,668	2,262,927	26.0%	0	3,000	-100.0%	43,285,692	39,317,303	10.1%
EOW3 S&P 500	110,937	310,077	-64.2%	0	0	0.0%	3,079,428	4,294,574	-28.3%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	2,853	5,031	-43.3%	0	0	0.0%	60,829	16,589	266.7%
EOW4 EMINI S&P 500	0	0	0.0%	1,490,642	898,012	66.0%	0	0	0.0%	13,910,378	11,434,439	21.7%
S&P 500	510,200	318,751	60.1%	0	0	0.0%	3,955,748	3,892,488	1.6%	0	0	0.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	1	0	0.0%	0	0	0.0%	56	38	47.4%
AD/JY CROSS RATES	0	0	0.0%	3,978	3,775	5.4%	0	0	0.0%	49,499	29,884	65.6%
AD/NE CROSS RATES	0	0	0.0%	103	56	83.9%	0	0	0.0%	898	996	-9.8%
AUSTRALIAN DOLLAR	0	0	0.0%	2,130,362	1,947,977	9.4%	0	1,537	-100.0%	27,898,666	23,899,523	16.7%
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%	2,873	5,147	-44.2%	0	0	0.0%	35,632	37,284	-4.4%
BP/SF CROSS RATES	0	0	0.0%	129	191	-32.5%	0	0	0.0%	3,982	1,103	261.0%
BRAZIL REAL	0	0	0.0%	75,352	80,904	-6.9%	0	0	0.0%	1,185,543	731,733	62.0%
BRITISH POUND	4	14	-71.4%	2,532,253	3,068,950	-17.5%	14	263	-94.7%	32,297,331	31,048,707	4.0%
CANADIAN DOLLAR	0	32	-100.0%	1,978,823	1,734,996	14.1%	45	2,716	-98.3%	20,933,526	19,080,203	9.7%
CD/JY CROSS RATES	0	0	0.0%	100	0	0.0%	0	0	0.0%	1,049	554	89.4%

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FX Futures												
CHINESE RENMINBI (CNH)	0	0	0.0%	18,953	2,247	743.5%	0	0	0.0%	117,390	19,769	493.8%
CZECK KORUNA (EC)	0	-	-	0	-	-	0	-	-	8	-	-
CZECK KORUNA (US)	0	-	-	3	-	-	0	-	-	18	-	-
EC/AD CROSS RATES	0	0	0.0%	6,977	6,004	16.2%	0	0	0.0%	27,892	31,051	-10.2%
EC/CD CROSS RATES	0	0	0.0%	8,092	8,137	-0.6%	0	0	0.0%	41,167	53,911	-23.6%
EC/NOK CROSS RATES	0	0	0.0%	275	253	8.7%	0	0	0.0%	4,440	3,029	46.6%
EC/SEK CROSS RATES	0	0	0.0%	1,726	996	73.3%	0	0	0.0%	9,816	8,498	15.5%
EFX/BP CROSS RATES	0	0	0.0%	116,309	142,062	-18.1%	0	0	0.0%	990,009	913,898	8.3%
EFX/JY CROSS RATES	0	0	0.0%	103,848	102,242	1.6%	0	0	0.0%	949,458	800,666	18.6%
EFX/SF CROSS RATES	0	0	0.0%	41,137	48,767	-15.6%	0	0	0.0%	354,750	399,260	-11.1%
E-MICRO AUD/USD	0	0	0.0%	111,221	65,633	69.5%	0	0	0.0%	1,313,037	1,012,132	29.7%
E-MICRO CAD/USD	0	0	0.0%	17,294	21,505	-19.6%	0	0	0.0%	206,791	244,321	-15.4%
E-MICRO CHF/USD	0	0	0.0%	2,009	936	114.6%	0	0	0.0%	18,276	11,952	52.9%
E-MICRO EUR/USD	0	0	0.0%	285,833	217,510	31.4%	0	0	0.0%	4,323,117	2,987,367	44.7%
E-MICRO GBP/USD	0	0	0.0%	36,417	49,472	-26.4%	0	0	0.0%	545,675	681,701	-20.0%
E-MICRO INR/USD	0	0	0.0%	8,109	1,985	308.5%	0	0	0.0%	62,787	31,089	102.0%
E-MICRO JPY/USD	0	0	0.0%	25,860	22,521	14.8%	0	0	0.0%	356,863	450,068	-20.7%
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%	102,290	106,509	-4.0%	0	0	0.0%	1,223,766	1,140,403	7.3%
E-MINI JAPANESE YEN	0	0	0.0%	21,982	8,563	156.7%	0	0	0.0%	162,963	316,956	-48.6%
EURO FX	0	88	-100.0%	5,183,197	5,370,411	-3.5%	544	2,913	-81.3%	68,087,111	55,977,807	21.6%
HUNGARIAN FORINT (EC)	0	-	-	0	-	-	0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	-	-	0	-	-	0	-	-	0	-	-
INDIAN RUPEE	0	0	0.0%	78,320	44,530	75.9%	0	0	0.0%	1,089,106	472,306	130.6%
JAPANESE YEN	2	49	-95.9%	3,287,163	3,128,652	5.1%	113	9,030	-98.7%	36,729,517	41,449,197	-11.4%
KOREAN WON	0	0	0.0%	373	323	15.5%	0	0	0.0%	3,164	673	370.1%
MEXICAN PESO	0	0	0.0%	1,377,612	1,363,597	1.0%	0	5	-100.0%	16,819,045	12,869,533	30.7%
NEW ZEALND DOLLAR	0	0	0.0%	592,062	548,070	8.0%	0	0	0.0%	7,488,787	6,231,072	20.2%
NKR/USD CROSS RATE	0	0	0.0%	5,384	2,808	91.7%	0	0	0.0%	58,013	22,380	159.2%
POLISH ZLOTY (EC)	0	0	0.0%	24	9	166.7%	0	0	0.0%	232	416	-44.2%
POLISH ZLOTY (US)	0	0	0.0%	88	325	-72.9%	0	0	0.0%	1,022	1,618	-36.8%
RMB USD	0	0	0.0%	0	24	-100.0%	0	0	0.0%	25	305	-91.8%

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FX Futures												
RUSSIAN RUBLE	0	0	0.0%	88,721	52,518	68.9%	0	0	0.0%	657,473	449,172	46.4%
S.AFRICAN RAND	0	0	0.0%	51,619	64,722	-20.2%	0	0	0.0%	548,677	555,018	-1.1%
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%	5,753	4,939	16.5%	0	0	0.0%	54,006	26,738	102.0%
SWISS FRANC	0	0	0.0%	645,963	697,135	-7.3%	0	0	0.0%	7,122,193	6,904,907	3.1%
TURKISH LIRA	0	0	0.0%	0	2	-100.0%	0	0	0.0%	10	20	-50.0%
USDZAR	0	0	0.0%	0	1	-100.0%	0	0	0.0%	15	1	1,400.0%
FX Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	104,813	74,203	41.3%	600	5,746	-89.6%	1,510,062	1,257,212	20.1%
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%	1	180	-99.4%	0	0	0.0%	280	4,609	-93.9%
CAD/USD PQO 2pm Fix	40	501	-92.0%	107,864	169,089	-36.2%	3,080	6,646	-53.7%	1,840,370	1,693,702	8.7%
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	10	-100.0%	0	0	0.0%	63	146	-56.8%
CHF/USD PQO 2pm Fix	0	0	0.0%	800	1,550	-48.4%	0	0	0.0%	30,519	38,525	-20.8%
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	4	-100.0%	0	0	0.0%	59	509	-88.4%
EUR/USD PQO 2pm Fix	990	1,764	-43.9%	539,463	605,620	-10.9%	16,844	31,710	-46.9%	8,605,822	7,698,222	11.8%
GBP/USD PQO 2pm Fix	75	467	-83.9%	190,501	218,144	-12.7%	987	5,469	-82.0%	3,123,991	2,644,755	18.1%
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	0	0.0%	0	0	0.0%	0	182	-100.0%
JPY/USD PQO 2pm Fix	38	520	-92.7%	240,671	175,468	37.2%	4,523	35,123	-87.1%	3,061,724	2,996,133	2.2%
MEXICAN PESO	300	0	0.0%	1,217	820	48.4%	6,418	1,770	262.6%	17,793	26,166	-32.0%
NEW ZEALND DOLLAR	0	-	-	17	-	-	0	-	-	1,050	-	-
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%	0	3,887	-100.0%	0	0	0.0%	12,942	21,480	-39.7%
Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	2,615	138	1,794.9%	0	0	0.0%	12,296	772	1,492.7%
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,423	3,672	20.5%	0	0	0.0%	51,424	39,041	31.7%
CASH-SETTLED CHEESE	0	0	0.0%	14,481	12,865	12.6%	0	0	0.0%	134,740	126,301	6.7%
CAT EURO SEASONAL STRIP	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
CATTLE	848	441	92.3%	1,119,135	989,457	13.1%	13,819	38,318	-63.9%	16,413,365	16,087,063	2.0%
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	25	-100.0%
CLASS IV MILK	21	0	0.0%	2,354	323	628.8%	24	79	-69.6%	10,772	10,336	4.2%
DRY WHEY	0	0	0.0%	1,230	1,628	-24.4%	0	0	0.0%	16,589	20,707	-19.9%
FEEDER CATTLE	0	0	0.0%	231,572	274,899	-15.8%	38	538	-92.9%	3,528,525	3,539,370	-0.3%
GOLDMAN SACHS	0	0	0.0%	31,926	28,228	13.1%	0	0	0.0%	375,177	402,183	-6.7%
GSCI EXCESS RETURN FUT	0	0	0.0%	74	320	-76.9%	0	0	0.0%	892	1,385	-35.6%
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	39	-100.0%	0	0	0.0%	55	89	-38.2%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	50	-100.0%
HOGS	1,006	710	41.7%	752,089	729,540	3.1%	18,217	34,887	-47.8%	13,512,546	11,158,074	21.1%
HOUSING INDEX	0	0	0.0%	13	3	333.3%	0	0	0.0%	113	136	-16.9%
LUMBER	0	0	0.0%	11,518	18,305	-37.1%	0	0	0.0%	214,072	203,573	5.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	96	80	20.0%	28,521	24,944	14.3%	1,335	2,994	-55.4%	300,265	315,653	-4.9%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	0	70	-100.0%	3,615	4,621	-21.8%	43	99	-56.6%	59,297	59,579	-0.5%
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%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 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	257	305	-15.7%	4,623	1,968	134.9%	10,969	11,871	-7.6%	37,895	11,006	244.3%
CASH-SETTLED CHEESE	5,842	6,365	-8.2%	9,714	9,781	-0.7%	36,904	56,796	-35.0%	88,082	62,510	40.9%
CATTLE	17,374	19,818	-12.3%	128,378	171,381	-25.1%	294,978	558,398	-47.2%	2,345,635	2,342,992	0.1%
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	186	30	520.0%	2,701	955	182.8%	1,274	3,321	-61.6%	14,227	17,000	-16.3%
DRY WHEY	24	478	-95.0%	395	369	7.0%	1,379	4,288	-67.8%	5,611	3,193	75.7%
FEEDER CATTLE	1,957	3,684	-46.9%	18,371	30,758	-40.3%	22,116	52,018	-57.5%	316,625	360,535	-12.2%
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%	0	0	0.0%
HOGS	22,424	11,686	91.9%	135,516	127,275	6.5%	326,708	354,162	-7.8%	2,439,384	2,177,565	12.0%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	46	-100.0%
LUMBER	0	0	0.0%	2,070	1,609	28.7%	223	44	406.8%	21,334	16,175	31.9%
LV CATL CSO	25	0	0.0%	0	0	0.0%	341	1,972	-82.7%	0	0	0.0%
MILK	7,850	6,319	24.2%	32,764	22,158	47.9%	68,857	139,463	-50.6%	359,179	281,662	27.5%
MLK MID OPTIONS	12	78	-84.6%	13	0	0.0%	443	834	-46.9%	41	0	0.0%
NFD MILK	289	1,176	-75.4%	2,935	3,696	-20.6%	9,405	17,085	-45.0%	48,963	35,804	36.8%
TOTAL FUTURES GROUP												
Interest Rate Futures	619,962	642,085	-3.4%	71,110,127	45,465,842	56.4%	9,289,882	7,649,506	21.4%	745,165,939	623,559,336	19.5%
Equity Index Futures	62,484	118,124	-47.1%	74,870,087	41,702,738	79.5%	488,281	816,606	-40.2%	625,571,251	463,209,758	35.1%
FX Futures	6	183	-96.7%	18,948,588	18,925,404	0.1%	716	16,464	-95.7%	231,772,808	208,903,502	10.9%
Foreign Exchange Futures	0	0	0.0%	0	3,887	-100.0%	0	0	0.0%	12,942	21,480	-39.7%
Ag Products Futures	1,971	1,301	51.5%	2,200,951	2,088,844	5.4%	33,476	76,915	-56.5%	34,617,832	31,963,565	8.3%
TOTAL FUTURES	684,423	761,693	-10.1%	167,129,753	108,186,715	54.5%	9,812,355	8,559,491	14.6%	1,637,140,772	1,327,657,641	23.3%

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CME Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2018	Open Outcry DEC 2017	% CHG	ELEC DEC 2018	ELEC DEC 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	1,220,553	1,165,547	4.7%	18,240,431	11,955,005	52.6%	12,238,676	13,736,446	-10.9%	195,140,101	154,961,566	25.9%
Interest Rate Options	16,993,918	14,056,791	20.9%	9,651,275	7,593,733	27.1%	211,911,395	201,576,897	5.1%	118,982,244	114,453,436	4.0%
FX Options	1,443	3,252	-55.6%	1,185,347	1,245,088	-4.8%	32,452	111,431	-70.9%	18,191,733	19,043,339	-4.5%
Ag Products Options	56,240	49,939	12.6%	337,480	369,950	-8.8%	773,597	1,200,252	-35.5%	5,676,976	5,308,488	6.9%
Foreign Exchange Options	0	0	0.0%	2,615	138	#####	0	0	0.0%	12,296	772	1,492.7%
TOTAL OPTIONS	18,272,154	15,275,529	19.6%	29,417,148	21,163,914	39.0%	224,956,120	216,625,026	3.8%	338,003,350	293,767,601	15.1%
TOTAL COMBINED												
Interest Rate	17,613,880	14,698,876	19.8%	80,761,402	53,059,575	52.2%	221,201,277	209,226,403	5.7%	864,148,183	738,012,772	17.1%
Equity Index	1,283,037	1,283,671	0.0%	93,110,518	53,657,743	73.5%	12,726,957	14,553,052	-12.5%	820,711,352	618,171,324	32.8%
FX	1,449	3,435	-57.8%	20,133,935	20,170,492	-0.2%	33,168	127,895	-74.1%	249,964,541	227,946,841	9.7%
Foreign Exchange	0	0	0.0%	2,615	4,025	-35.0%	0	0	0.0%	25,238	22,252	13.4%
Ag Products	58,211	51,240	13.6%	2,538,431	2,458,794	3.2%	807,073	1,277,167	-36.8%	40,294,808	37,272,053	8.1%
GRAND TOTAL	18,956,577	16,037,222	18.2%	196,546,901	129,350,629	51.9%	234,768,475	225,184,517	4.3%	1,975,144,122	1,621,425,242	21.8%