

CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 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%	1	1,124	-99.9%	0	0	0.0%	187	31,166	-99.4%
EURODOLLARS	515,412	504,953	2.1%	55,046,855	37,334,122	47.4%	5,486,942	5,962,065	-8.0%	422,380,808	448,211,195	-5.8%
SOFR	0	0	0.0%	751,355	64,874	1,058.2%	0	0	0.0%	4,150,662	131,016	3,068.1%
SONIA	0	-	-	292,367	-	-	0	-	-	1,271,444	-	-
Interest Rate Options												
EURODOLLARS	13,113,227	7,297,228	79.7%	8,969,287	3,000,724	198.9%	99,711,753	66,992,638	48.8%	57,182,022	32,271,231	77.2%
EURO MIDCURVE	5,138,866	5,086,327	1.0%	3,314,961	2,694,156	23.0%	52,940,030	65,405,878	-19.1%	41,954,270	37,730,718	11.2%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	152,868	129,418	18.1%	0	0	0.0%	1,094,090	471,172	132.2%
E-MINI COM SERVICES SELEC	0	-	-	1,710	-	-	0	-	-	18,689	-	-
E-mini FTSE 100 (USD)	0	0	0.0%	0	885	-100.0%	0	0	0.0%	336	10,805	-96.9%
E-mini FTSE China 50	0	0	0.0%	0	715	-100.0%	0	0	0.0%	711	8,184	-91.3%
E-MINI MIDCAP	0	0	0.0%	274,293	266,970	2.7%	0	0	0.0%	2,311,316	2,623,582	-11.9%
E-MINI NASDAQ 100	0	0	0.0%	7,906,354	7,252,366	9.0%	0	0	0.0%	67,466,355	62,336,172	8.2%
E-MINI RUSSELL 1000	0	0	0.0%	1,685	8,154	-79.3%	0	0	0.0%	23,925	60,578	-60.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	866	7,108	-87.8%	0	0	0.0%	23,963	52,087	-54.0%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,027	8,020	-74.7%	0	0	0.0%	48,628	64,670	-24.8%
E-MINI RUSSELL 2000	0	0	0.0%	2,449,054	2,225,633	10.0%	0	0	0.0%	20,318,394	19,271,284	5.4%
E-MINI S&P500	0	0	0.0%	25,316,063	23,169,451	9.3%	0	0	0.0%	224,523,703	240,958,189	-6.8%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,418	3,703	-61.7%	0	0	0.0%	17,219	22,899	-24.8%
FT-SE 100	0	0	0.0%	0	1,010	-100.0%	0	0	0.0%	372	9,141	-95.9%
FTSE Emerging	0	0	0.0%	1,707	1,357	25.8%	0	0	0.0%	15,216	2,044	644.4%
IBOVESPA INDEX	0	0	0.0%	338	875	-61.4%	0	0	0.0%	4,079	7,098	-42.5%
MICRO E-MINI NASDAQ 100	0	-	-	4,362,562	-	-	0	-	-	10,385,973	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	640,308	-	-	0	-	-	1,559,195	-	-
MICRO E-MINI S&P500	0	-	-	4,563,369	-	-	0	-	-	13,911,414	-	-
NASDAQ BIOTECH	0	0	0.0%	242	0	0.0%	0	0	0.0%	2,048	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%	151,817	182,851	-17.0%	0	0	0.0%	1,492,455	2,317,957	-35.6%

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Equity Index Futures												
NIKKEI 225 (YEN) STOCK	0	0	0.0%	711,869	596,135	19.4%	228	0	0.0%	5,307,960	6,300,201	-15.7%
S&P 500	4,447	8,526	-47.8%	626	1,716	-63.5%	158,304	304,522	-48.0%	9,657	36,864	-73.8%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	7,107	1,714	314.6%	0	0	0.0%	71,065	27,104	162.2%
S&P 500/GI	0	0	0.0%	0	0	0.0%	0	0	0.0%	40	52	-23.1%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	60	0	0.0%	0	0	0.0%	581	462	25.8%
S&P 600 SMALLCAP EMINI	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,493	8,326	-70.1%	0	0	0.0%	47,675	92,482	-48.4%
S&P CONSUMER STAPLES SE	0	0	0.0%	4,298	10,179	-57.8%	0	0	0.0%	72,717	82,551	-11.9%
S&P ENERGY SECTOR	0	0	0.0%	4,910	11,647	-57.8%	0	0	0.0%	75,811	130,077	-41.7%
S&P FINANCIAL SECTOR	0	0	0.0%	13,070	31,775	-58.9%	0	0	0.0%	118,610	196,270	-39.6%
S&P HEALTH CARE SECTOR	0	0	0.0%	5,946	8,679	-31.5%	0	0	0.0%	73,306	82,054	-10.7%
S&P INDUSTRIAL SECTOR	0	0	0.0%	3,703	11,426	-67.6%	0	0	0.0%	51,342	81,575	-37.1%
S&P MATERIALS SECTOR	0	0	0.0%	2,553	4,151	-38.5%	0	0	0.0%	42,493	45,587	-6.8%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,487	12,852	-72.9%	0	0	0.0%	69,142	125,620	-45.0%
S&P UTILITIES SECTOR	0	0	0.0%	8,827	11,129	-20.7%	0	0	0.0%	110,637	136,290	-18.8%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.0%	0	0	0.0%	48	56	-14.3%
YEN DENOMINATED TOPIX	0	0	0.0%	21,790	772	2,722.5%	0	0	0.0%	125,089	3,046	4,006.7%

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Equity Index Options												
E-MINI NASDAQ 100	0	0	0.0%	176,875	239,308	-26.1%	0	0	0.0%	1,415,682	1,721,777	-17.8%
E-MINI RUSSELL 2000	0	0	0.0%	5,966	5,047	18.2%	0	0	0.0%	84,172	88,292	-4.7%
E-MINI S&P500	0	8,985	-100.0%	3,785,568	3,085,434	22.7%	345	14,315	-97.6%	33,400,352	40,388,268	-17.3%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	7,325	2,192	234.2%	0	0	0.0%	58,803	40,136	46.5%
EOM EMINI S&P	0	0	0.0%	1,517,529	1,705,110	-11.0%	0	0	0.0%	12,700,448	18,018,857	-29.5%
EOM S&P 500	112,461	92,853	21.1%	0	0	0.0%	901,372	1,362,120	-33.8%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,605	1,129	130.7%	0	0	0.0%	11,466	15,815	-27.5%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	2,442	1,255	94.6%	0	0	0.0%	12,896	21,069	-38.8%
EOW1 EMINI S&P 500	0	0	0.0%	1,015,468	980,746	3.5%	0	0	0.0%	6,688,563	7,699,880	-13.1%
EOW1 S&P 500	83,394	160,174	-47.9%	0	0	0.0%	467,487	571,880	-18.3%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	12,979	2,910	346.0%	0	0	0.0%	35,293	37,937	-7.0%
EOW2 EMINI S&P 500	0	0	0.0%	795,872	942,931	-15.6%	0	0	0.0%	6,826,925	9,157,210	-25.4%
EOW2 S&P 500	121,425	191,158	-36.5%	0	0	0.0%	860,226	1,088,597	-21.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,101	11,561	30.6%	0	0	0.0%	77,300	156,566	-50.6%
EOW3 EMINI S&P 500	0	0	0.0%	2,424,780	3,047,988	-20.4%	0	0	0.0%	15,980,504	26,351,524	-39.4%
EOW3 S&P 500	166,252	212,829	-21.9%	0	0	0.0%	942,464	2,211,946	-57.4%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	3,798	2,323	63.5%	0	0	0.0%	21,339	42,729	-50.1%
EOW4 EMINI S&P 500	0	0	0.0%	703,668	979,691	-28.2%	0	0	0.0%	5,552,341	8,504,677	-34.7%
S&P 500	143,603	171,663	-16.3%	0	0	0.0%	1,567,909	2,129,121	-26.4%	0	0	0.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	5	1	400.0%	0	0	0.0%	109	43	153.5%
AD/JY CROSS RATES	0	0	0.0%	1,763	5,262	-66.5%	0	0	0.0%	19,552	28,730	-31.9%
AD/NE CROSS RATES	0	0	0.0%	165	93	77.4%	0	0	0.0%	673	545	23.5%
AUSTRALIAN DOLLAR	0	0	0.0%	1,867,784	1,970,145	-5.2%	0	0	0.0%	15,014,580	16,536,688	-9.2%
BDI	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BP/JY CROSS RATES	0	0	0.0%	3,214	2,463	30.5%	0	0	0.0%	18,337	21,852	-16.1%
BP/SF CROSS RATES	0	0	0.0%	847	485	74.6%	0	0	0.0%	3,221	2,454	31.3%
BRAZIL REAL	0	0	0.0%	111,734	71,542	56.2%	0	0	0.0%	787,200	655,696	20.1%
BRITISH POUND	0	0	0.0%	2,077,280	2,492,055	-16.6%	0	7	-100.0%	16,557,317	19,235,209	-13.9%
CANADIAN DOLLAR	0	0	0.0%	1,382,467	1,407,690	-1.8%	3	38	-92.1%	11,200,988	12,432,924	-9.9%
CD/JY CROSS RATES	0	0	0.0%	6	4	50.0%	0	0	0.0%	125	542	-76.9%
CHINESE RENMINBI (CNH)	0	0	0.0%	26,940	2,968	807.7%	0	0	0.0%	182,460	17,604	936.5%

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FX Futures												
CZECK KORUNA (EC)	0	0	0.0%	0	2	-100.0%	0	0	0.0%	18	2	800.0%
CZECK KORUNA (US)	0	0	0.0%	0	15	-100.0%	0	0	0.0%	0	15	-100.0%
EC/AD CROSS RATES	0	0	0.0%	3,490	1,014	244.2%	0	0	0.0%	32,796	11,296	190.3%
EC/CD CROSS RATES	0	0	0.0%	1,594	912	74.8%	0	0	0.0%	21,354	24,110	-11.4%
EC/NOK CROSS RATES	0	0	0.0%	370	308	20.1%	0	0	0.0%	3,316	2,487	33.3%
EC/SEK CROSS RATES	0	0	0.0%	409	307	33.2%	0	0	0.0%	4,530	5,854	-22.6%
EFX/BP CROSS RATES	0	0	0.0%	78,584	56,977	37.9%	0	0	0.0%	626,105	554,541	12.9%
EFX/JY CROSS RATES	0	0	0.0%	40,996	39,548	3.7%	0	0	0.0%	428,888	567,913	-24.5%
EFX/SF CROSS RATES	0	0	0.0%	27,444	15,596	76.0%	0	0	0.0%	228,569	192,919	18.5%
E-MICRO AUD/USD	0	0	0.0%	97,827	99,245	-1.4%	0	0	0.0%	793,267	696,844	13.8%
E-MICRO CAD/USD	0	0	0.0%	17,664	14,260	23.9%	0	0	0.0%	118,740	126,909	-6.4%
E-MICRO CHF/USD	0	0	0.0%	4,292	1,326	223.7%	0	0	0.0%	15,981	9,586	66.7%
E-MICRO EUR/USD	0	0	0.0%	224,416	245,637	-8.6%	0	0	0.0%	1,739,886	2,709,618	-35.8%
E-MICRO GBP/USD	0	0	0.0%	40,880	33,767	21.1%	0	0	0.0%	296,782	345,853	-14.2%
E-MICRO INR/USD	0	0	0.0%	5,860	4,270	37.2%	0	0	0.0%	33,567	28,820	16.5%
E-MICRO JPY/USD	0	0	0.0%	25,014	25,224	-0.8%	0	0	0.0%	193,091	224,531	-14.0%
E-MINI EURO FX	0	0	0.0%	84,189	69,489	21.2%	0	0	0.0%	686,908	742,007	-7.4%
E-MINI JAPANESE YEN	0	0	0.0%	24,132	15,261	58.1%	0	0	0.0%	87,233	95,832	-9.0%
EURO FX	11	2	450.0%	3,774,769	4,486,043	-15.9%	53	452	-88.3%	29,981,056	40,787,233	-26.5%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	0	0.0%	0	0	0.0%	8	0	0.0%
INDIAN RUPEE	0	0	0.0%	58,879	65,210	-9.7%	0	0	0.0%	473,438	621,977	-23.9%
JAPANESE YEN	2	2	0.0%	2,166,012	2,760,440	-21.5%	2	102	-98.0%	18,220,447	22,058,390	-17.4%
KOREAN WON	0	0	0.0%	329	112	193.8%	0	0	0.0%	1,817	1,637	11.0%
MEXICAN PESO	0	0	0.0%	871,362	1,238,707	-29.7%	0	0	0.0%	8,933,896	9,826,952	-9.1%
NEW ZEALND DOLLAR	0	0	0.0%	492,310	527,199	-6.6%	0	0	0.0%	4,072,981	4,573,036	-10.9%
NKR/USD CROSS RATE	0	0	0.0%	4,421	3,464	27.6%	0	0	0.0%	30,482	27,882	9.3%
POLISH ZLOTY (EC)	0	0	0.0%	11	9	22.2%	0	0	0.0%	405	84	382.1%
POLISH ZLOTY (US)	0	0	0.0%	122	30	306.7%	0	0	0.0%	705	624	13.0%
RMB USD	0	0	0.0%	0	1	-100.0%	0	0	0.0%	5	18	-72.2%
RUSSIAN RUBLE	0	0	0.0%	51,082	23,243	119.8%	0	0	0.0%	449,079	361,262	24.3%
S.AFRICAN RAND	0	0	0.0%	51,799	36,992	40.0%	0	0	0.0%	291,513	305,125	-4.5%
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%	1,806	2,975	-39.3%	0	0	0.0%	17,634	25,639	-31.2%

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FX Futures												
SWISS FRANC	0	0	0.0%	463,258	501,443	-7.6%	0	0	0.0%	3,789,087	4,116,800	-8.0%
TURKISH LIRA	0	0	0.0%	40	0	0.0%	0	0	0.0%	56	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%	69,927	102,256	-31.6%	0	0	0.0%	683,817	857,425	-20.2%
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	-	-	23	-	-	0	-	-	79	-	-
BRITISH POUND	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
BRITISH POUND (EU)	0	0	0.0%	0	13	-100.0%	0	0	0.0%	0	254	-100.0%
CAD/USD PQO 2pm Fix	40	10	300.0%	68,178	122,603	-44.4%	857	1,944	-55.9%	697,481	1,156,218	-39.7%
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%	2,605	3,551	-26.6%	0	0	0.0%	19,314	22,221	-13.1%
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	5	-100.0%	0	0	0.0%	0	36	-100.0%
EUR/USD PQO 2pm Fix	823	1,151	-28.5%	551,504	516,626	6.8%	8,353	9,451	-11.6%	3,742,779	5,469,939	-31.6%
GBP/USD PQO 2pm Fix	48	0	0.0%	144,513	220,248	-34.4%	780	576	35.4%	1,151,754	1,668,232	-31.0%
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	75	82	-8.5%	163,009	279,558	-41.7%	163	3,965	-95.9%	1,418,473	1,857,974	-23.7%
MEXICAN PESO	0	0	0.0%	1,195	2,312	-48.3%	900	3,888	-76.9%	10,035	11,994	-16.3%
NEW ZEALND DOLLAR	0	-	-	523	-	-	0	-	-	3,112	-	-
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	593	-100.0%	0	0	0.0%	0	9,388	-100.0%

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 JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 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
Foreign Exchange Options												
AUD/USD PQO 2pm Fix	0	0	0.0%	553	239	131.4%	0	0	0.0%	5,939	4,894	21.4%
Ag Products Futures												
BUTTER CS	0	0	0.0%	5,701	3,266	74.6%	0	0	0.0%	28,078	30,571	-8.2%
CASH-SETTLED CHEESE	0	0	0.0%	12,831	10,596	21.1%	0	0	0.0%	80,235	71,049	12.9%
CATTLE	151	968	-84.4%	1,319,012	1,475,409	-10.6%	8,828	9,614	-8.2%	10,207,368	9,798,456	4.2%
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%	25	0	0.0%	0	0	0.0%	25	0	0.0%
CLASS IV MILK	0	0	0.0%	1,260	577	118.4%	157	0	0.0%	16,060	4,145	287.5%
DRY WHEY	0	0	0.0%	908	1,055	-13.9%	0	0	0.0%	9,241	8,924	3.6%
FEEDER CATTLE	73	5	1,360.0%	305,018	338,058	-9.8%	178	17	947.1%	2,181,587	2,073,451	5.2%
GOLDMAN SACHS	0	0	0.0%	27,483	28,783	-4.5%	0	0	0.0%	200,900	220,462	-8.9%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	33	-100.0%	0	0	0.0%	0	338	-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	1,129	1,348	-16.2%	1,562,776	1,246,877	25.3%	13,154	9,967	32.0%	9,556,143	7,816,806	22.3%
HOUSING INDEX	0	0	0.0%	10	5	100.0%	0	0	0.0%	81	57	42.1%
LUMBER	0	0	0.0%	12,438	15,314	-18.8%	0	0	0.0%	99,687	134,023	-25.6%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
MILK	40	170	-76.5%	25,860	23,318	10.9%	260	1,038	-75.0%	173,523	155,260	11.8%
MLK MID OPTIONS	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
NFD MILK	14	0	0.0%	5,025	6,049	-16.9%	14	43	-67.4%	45,201	37,143	21.7%
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%

CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 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	200	518	-61.4%	2,077	2,260	-8.1%	3,915	8,309	-52.9%	22,151	19,004	16.6%
CASH-SETTLED CHEESE	724	2,406	-69.9%	7,948	6,988	13.7%	11,995	18,396	-34.8%	58,713	51,051	15.0%
CATTLE	11,414	18,573	-38.5%	120,718	186,608	-35.3%	180,268	193,777	-7.0%	1,192,578	1,615,530	-26.2%
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	119	122	-2.5%	3,440	1,332	158.3%	3,217	615	423.1%	25,719	6,331	306.2%
DRY WHEY	12	103	-88.3%	313	390	-19.7%	704	1,222	-42.4%	5,803	2,911	99.3%
FEEDER CATTLE	1,549	1,336	15.9%	27,566	25,339	8.8%	14,147	14,469	-2.2%	211,014	198,727	6.2%
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%
HOGS	24,398	29,783	-18.1%	405,274	280,856	44.3%	239,025	183,860	30.0%	2,392,590	1,290,753	85.4%
HOUSING INDEX	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	0	0.0%
LUMBER	0	1	-100.0%	2,004	922	117.4%	70	207	-66.2%	13,403	12,788	4.8%
LV CATL CSO	0	5	-100.0%	0	0	0.0%	479	113	323.9%	0	0	0.0%
MILK	1,443	5,374	-73.1%	39,160	30,753	27.3%	17,925	46,434	-61.4%	247,477	176,729	40.0%
MLK MID OPTIONS	8	42	-81.0%	13	0	0.0%	16	332	-95.2%	194	1	19,300.0%
NFD MILK	479	235	103.8%	4,357	3,965	9.9%	1,246	7,468	-83.3%	43,980	29,529	48.9%
TOTAL FUTURES GROUP												
Interest Rate Futures	515,412	504,953	2.1%	56,090,578	37,400,120	50.0%	5,486,942	5,962,065	-8.0%	427,803,101	448,373,377	-4.6%
Equity Index Futures	4,447	8,526	-47.8%	46,617,420	33,969,017	37.2%	158,532	304,522	-47.9%	349,394,254	335,610,597	4.1%
FX Futures	13	4	225.0%	14,085,566	16,221,734	-13.2%	58	599	-90.3%	115,358,229	137,978,088	-16.4%
Foreign Exchange Futures	0	0	0.0%	0	593	-100.0%	0	0	0.0%	0	9,388	-100.0%
Ag Products Futures	1,407	2,491	-43.5%	3,278,347	3,149,340	4.1%	22,591	20,679	9.2%	22,598,129	20,350,740	11.0%
TOTAL FUTURES	521,279	515,974	1.0%	120,071,911	90,740,804	32.3%	5,668,123	6,287,865	-9.9%	915,153,713	942,322,190	-2.9%

CME Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2019	Open Outcry JUL 2018	% CHG	ELEC JUL 2019	ELEC JUL 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	627,135	837,662	-25.1%	10,469,976	11,007,625	-4.9%	4,739,803	7,377,979	-35.8%	82,866,084	112,244,737	-26.2%
Interest Rate Options	18,252,093	12,383,555	47.4%	12,284,248	5,694,880	115.7%	152,651,783	132,398,516	15.3%	99,136,292	70,001,949	41.6%
FX Options	986	1,243	-20.7%	1,001,477	1,247,172	-19.7%	11,053	19,824	-44.2%	7,726,918	11,044,356	-30.0%
Ag Products Options	40,346	58,498	-31.0%	612,870	539,413	13.6%	473,007	475,202	-0.5%	4,213,629	3,403,354	23.8%
Foreign Exchange Options	0	0	0.0%	553	239	131.4%	0	0	0.0%	5,939	4,894	21.4%
TOTAL OPTIONS	18,920,560	13,280,958	42.5%	24,369,124	18,489,329	31.8%	157,875,646	140,271,521	12.6%	193,948,862	196,699,290	-1.4%
TOTAL COMBINED												
Interest Rate	18,767,505	12,888,508	45.6%	68,374,826	43,095,000	58.7%	158,138,725	138,360,581	14.3%	526,939,393	518,375,326	1.7%
Equity Index	631,582	846,188	-25.4%	57,087,396	44,976,642	26.9%	4,898,335	7,682,501	-36.2%	432,260,338	447,855,334	-3.5%
FX	999	1,247	-19.9%	15,087,043	17,468,906	-13.6%	11,111	20,423	-45.6%	123,085,147	149,022,444	-17.4%
Foreign Exchange	0	0	0.0%	553	832	-33.5%	0	0	0.0%	5,939	14,282	-58.4%
Ag Products	41,753	60,989	-31.5%	3,891,217	3,688,753	5.5%	495,598	495,881	-0.1%	26,811,758	23,754,094	12.9%
GRAND TOTAL	19,441,839	13,796,932	40.9%	144,441,035	109,230,133	32.2%	163,543,769	146,559,386	11.6%	1,109,102,575	1,139,021,480	-2.6%