



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Interest Rate Futures												
10-YR NOTE	0	129,167	-100.0%	22,136,516	26,414,916	-16.20%	469,469	452,157	3.8%	169,691,173	129,546,438	31.0%
10-YR SWAP RATE	0	0	0.0%	21,127	25,837	-18.23%	0	0	0.0%	228,634	149,262	53.2%
15-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1-MONTH EURODOLLAR	0	0	0.0%	243	5	4,760.00%	0	0	0.0%	354	120	195.0%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	46	-100.0%
2-YR NOTE	0	1,402	-100.0%	6,640,830	8,375,179	-20.71%	261	8,926	-97.1%	57,710,016	45,040,758	28.1%
2-YR SWAP RATE	0	0	0.0%	701	29,937	-97.66%	0	0	0.0%	67,671	139,755	-51.6%
30-YR BOND	0	16,403	-100.0%	4,121,047	4,640,832	-11.20%	55,491	71,431	-22.3%	33,407,057	25,656,260	30.2%
30-YR SWAP RATE	0	0	0.0%	26	1,010	-97.43%	0	0	0.0%	659	2,780	-76.3%
3-YR SWAP RATE	0	0	0.0%	2,929	7,438	-60.62%	0	0	0.0%	16,582	37,429	-55.7%
4-YR SWAP RATE	0	0	0.0%	487	19,220	-97.47%	0	0	0.0%	5,841	31,860	-81.7%
5-YR NOTE	0	45,486	-100.0%	12,215,770	14,930,576	-18.18%	87,402	132,246	-33.9%	97,885,715	82,720,528	18.3%
5-YR SWAP RATE	0	0	0.0%	54,861	43,209	26.97%	0	0	0.0%	292,046	222,634	31.2%
7-YR SWAP RATE	0	0	0.0%	689	1,493	-53.85%	0	0	0.0%	11,018	14,384	-23.4%
EURODOLLARS	0	750,294	-100.0%	39,340,906	48,659,782	-19.15%	2,619,681	2,876,834	-8.9%	256,413,419	220,781,619	16.1%
FED FUND	0	0	0.0%	4,281,935	5,869,186	-27.04%	0	0	0.0%	34,546,584	22,476,856	53.7%
SOFR	0	0	0.0%	572,738	466,355	22.81%	0	0	0.0%	3,851,862	2,188,369	76.0%
SONIA	0	0	0.0%	115,431	190,171	-39.30%	0	0	0.0%	523,507	651,037	-19.6%
Ultra 10-Year Note	0	0	0.0%	3,405,865	3,135,066	8.64%	0	0	0.0%	22,729,748	14,896,736	52.6%
ULTRA T-BOND	0	0	0.0%	2,371,761	2,304,265	2.93%	0	66	-100.0%	16,784,150	12,917,148	29.9%
Interest Rate Options												
10-YR NOTE	0	2,145,933	-100.0%	6,745,782	9,037,748	-25.36%	8,489,760	8,597,900	-1.3%	51,453,713	40,477,560	27.1%
2-YR NOTE	0	89,506	-100.0%	334,964	342,245	-2.13%	273,359	508,691	-46.3%	1,269,637	1,213,118	4.7%
30-YR BOND	0	266,444	-100.0%	1,345,958	2,079,038	-35.26%	891,042	1,203,297	-25.9%	10,651,105	9,112,958	16.9%
5-YR NOTE	0	888,879	-100.0%	3,002,415	3,572,740	-15.96%	2,424,616	3,246,358	-25.3%	15,546,323	13,160,321	18.1%
EURODOLLARS	0	11,312,233	-100.0%	23,134,243	5,088,994	354.59%	48,129,596	49,124,252	-2.0%	75,684,990	24,139,268	213.5%
EURO MIDCURVE	0	6,185,708	-100.0%	5,576,479	5,835,982	-4.45%	12,810,071	29,309,621	-56.3%	20,493,668	22,536,020	-9.1%
FED FUND	0	0	0.0%	605	0	0.00%	3,100	250	1,140.0%	7,771	202	3,747.0%
SOFR	0	-	-	227	-	-	10	-	-	492	-	-
Ultra 10-Year Note	0	1,720	-100.0%	0	0	0.00%	13,035	5,957	118.8%	2,961	5,328	-44.4%
ULTRA T-BOND	0	3,344	-100.0%	412	1,180	-65.08%	10,870	40,567	-73.2%	1,409	7,530	-81.3%

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Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	122,670	208,056	-41.04%	0	0	0.0%	706,464	474,570	48.9%
DJ US REAL ESTATE	0	0	0.0%	31,129	17,412	78.78%	0	0	0.0%	166,415	100,167	66.1%
E-mini (\$5) Dow	0	0	0.0%	4,348,047	3,349,426	29.81%	0	0	0.0%	24,089,557	16,815,526	43.3%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,221	1,617	-24.49%	0	0	0.0%	9,320	13,287	-29.9%
E-mini FTSE 100 (USD)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	336	-100.0%
E-mini FTSE China 50	0	0	0.0%	0	3	-100.00%	0	0	0.0%	0	696	-100.0%
E-MINI MIDCAP	0	0	0.0%	234,345	225,935	3.72%	0	0	0.0%	1,639,875	1,306,591	25.5%
E-MINI NASDAQ 100	0	0	0.0%	9,192,506	8,123,569	13.16%	0	0	0.0%	53,978,247	37,355,762	44.5%
E-MINI RUSSELL 1000	0	0	0.0%	1,695	2,708	-37.41%	0	0	0.0%	19,240	11,614	65.7%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	926	2,147	-56.87%	0	0	0.0%	12,632	9,552	32.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,281	6,727	-36.36%	0	0	0.0%	21,394	30,615	-30.1%
E-MINI RUSSELL 2000	0	0	0.0%	3,749,625	2,216,499	69.17%	0	0	0.0%	17,558,261	11,054,433	58.8%
E-MINI S&P500	0	0	0.0%	37,949,409	23,758,746	59.73%	0	0	0.0%	198,709,514	121,348,240	63.8%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,402	2,122	-33.93%	0	0	0.0%	34,683	11,558	200.1%
FT-SE 100	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	372	-100.0%
FTSE Emerging	0	0	0.0%	79	2,477	-96.81%	0	0	0.0%	4,370	9,273	-52.9%
IBOVESPA INDEX	0	0	0.0%	603	647	-6.80%	0	0	0.0%	2,718	2,940	-7.6%
MICRO E-MINI NASDAQ 100	0	-	-	11,892,289	-	-	0	-	-	45,774,494	-	-
MICRO E-MINI RUSSELL 2000	0	-	-	1,893,042	-	-	0	-	-	6,756,886	-	-
MICRO E-MINI S&P500	0	-	-	19,825,498	-	-	0	-	-	62,437,416	-	-
MICRO MINI \$5 DOW	0	-	-	3,023,596	-	-	0	-	-	11,332,792	-	-
NASDAQ BIOTECH	0	0	0.0%	23	413	-94.43%	0	0	0.0%	2,650	739	258.6%
Nearby BTIC+	0	-	-	0	-	-	0	-	-	200	-	-
NIFTY 50	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	123,617	148,828	-16.94%	0	0	0.0%	1,109,188	814,054	36.3%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	798,470	558,649	42.93%	0	228	-100.0%	5,441,590	2,725,459	99.7%
S&P 500	0	4,139	-100.0%	3,123	803	288.92%	33,712	83,187	-59.5%	15,162	5,507	175.3%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	28,589	5,565	413.73%	0	0	0.0%	123,593	34,896	254.2%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	972	160	507.50%	0	0	0.0%	3,123	501	523.4%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	2,481	2,985	-16.88%	0	0	0.0%	33,451	30,059	11.3%

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Equity Index Futures												
S&P CONSUMER STAPLES SE	0	0	0.0%	4,066	4,322	-5.92%	0	0	0.0%	39,655	41,714	-4.9%
S&P ENERGY SECTOR	0	0	0.0%	11,866	6,027	96.88%	0	0	0.0%	78,375	52,378	49.6%
S&P FINANCIAL SECTOR	0	0	0.0%	9,659	18,580	-48.01%	0	0	0.0%	80,043	62,266	28.6%
S&P HEALTH CARE SECTOR	0	0	0.0%	5,797	8,229	-29.55%	0	0	0.0%	60,793	45,600	33.3%
S&P INDUSTRIAL SECTOR	0	0	0.0%	4,395	5,943	-26.05%	0	0	0.0%	38,868	34,615	12.3%
S&P MATERIALS SECTOR	0	0	0.0%	2,995	5,358	-44.10%	0	0	0.0%	21,349	26,252	-18.7%
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,075	4,464	-31.12%	0	0	0.0%	48,775	44,893	8.6%
S&P UTILITIES SECTOR	0	0	0.0%	4,732	11,408	-58.52%	0	0	0.0%	66,594	71,826	-7.3%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	24	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	7,034	18,792	-62.57%	0	0	0.0%	36,272	51,138	-29.1%

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Equity Index Options												
BITCOIN FUTURES	0	-	-	101	-		0	-	-	840	-	-
E-mini (\$5) Dow	0	0	0.0%	2,076	2,616	-20.64%	0	0	0.0%	14,411	19,884	-27.5%
E-MINI NASDAQ 100	0	0	0.0%	196,932	169,910	15.90%	0	0	0.0%	1,433,712	783,833	82.9%
E-MINI RUSSELL 2000	0	0	0.0%	6,435	9,423	-31.71%	0	0	0.0%	70,696	41,497	70.4%
E-MINI S&P500	0	345	-100.0%	5,462,448	3,309,993	65.03%	250	345	-27.5%	36,201,972	16,787,397	115.6%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	5,833	6,334	-7.91%	0	0	0.0%	30,149	26,672	13.0%
EOM EMINI S&P	0	0	0.0%	1,452,704	1,223,694	18.71%	0	0	0.0%	10,202,138	6,500,235	57.0%
EOM S&P 500	0	122,495	-100.0%	0	0	0.00%	303,360	501,508	-39.5%	0	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	1,556	4,283	-63.67%	0	0	0.0%	24,364	10,663	128.5%
EOW1 EMINI S&P 500	0	0	0.0%	908,912	813,690	11.70%	0	0	0.0%	5,046,450	3,128,137	61.3%
EOW1 S&P 500	0	69,791	-100.0%	0	0	0.00%	157,788	260,423	-39.4%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	1,344	3,254	-58.70%	0	0	0.0%	13,574	10,236	32.6%
EOW2 EMINI S&P 500	0	0	0.0%	803,089	612,623	31.09%	0	0	0.0%	4,696,835	3,402,799	38.0%
EOW2 S&P 500	0	101,893	-100.0%	0	0	0.00%	252,530	534,412	-52.7%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	16,752	15,097	10.96%	0	0	0.0%	91,863	38,421	139.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,550,173	2,112,467	20.72%	0	0	0.0%	11,901,212	9,269,324	28.4%
EOW3 S&P 500	0	134,104	-100.0%	0	0	0.00%	266,271	566,796	-53.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	2,344	3,317	-29.33%	0	0	0.0%	10,048	11,962	-16.0%
EOW4 EMINI S&P 500	0	0	0.0%	902,455	672,575	34.18%	0	0	0.0%	3,069,726	3,692,579	-16.9%
S&P 500	0	171,915	-100.0%	1,849	0	0.00%	677,812	926,721	-26.9%	4,289	0	0.0%
	0	-	-	199	-		0	-	-	670	-	-

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Metals Futures												
ALUMINUM	0	0	0.0%	2,165	211	926.07%	0	0	0.0%	12,068	3,080	291.8%
COMEX COPPER	0	0	0.0%	1,748,494	2,225,217	-21.42%	0	0	0.0%	8,920,301	8,359,823	6.7%
COMEX E-Mini GOLD	0	0	0.0%	30,108	9,214	226.76%	0	0	0.0%	167,115	28,746	481.4%
COMEX E-Mini SILVER	0	0	0.0%	4,530	3,970	14.11%	0	0	0.0%	18,513	10,680	73.3%
COMEX GOLD	0	0	0.0%	4,161,278	4,935,669	-15.69%	0	0	0.0%	31,237,458	21,338,871	46.4%
COMEX MINY COPPER	0	0	0.0%	484	779	-37.87%	0	0	0.0%	2,269	2,452	-7.5%
COMEX SILVER	0	0	0.0%	1,329,742	1,875,954	-29.12%	0	0	0.0%	7,927,140	6,465,253	22.6%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	2,078	764	171.99%	0	0	0.0%	6,090	2,301	164.7%
GOLD	0	-	-	2,761	-	-	0	-	-	43,691	-	-
Gold Kilo	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL FUT	0	-	-	0	-	-	0	-	-	0	-	-
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	0	0	0.00%	0	0	0.0%	193	28	589.3%
LNDN ZINC	0	0	0.0%	0	117	-100.00%	0	0	0.0%	0	1,086	-100.0%
MICRO GOLD	0	0	0.0%	1,595,126	184,890	762.74%	0	0	0.0%	5,085,505	803,591	532.8%
NYMEX HOT ROLLED STEEL	0	0	0.0%	6,760	3,231	109.22%	0	0	0.0%	25,137	13,213	90.2%
NYMEX PLATINUM	0	0	0.0%	206,556	385,497	-46.42%	0	0	0.0%	1,806,686	1,712,440	5.5%
PALLADIUM	0	0	0.0%	21,653	94,243	-77.02%	0	0	0.0%	355,889	450,924	-21.1%
SILVER	0	0	0.0%	33,662	15,831	112.63%	0	0	0.0%	184,782	62,601	195.2%
URANIUM	0	0	0.0%	5	0	0.00%	0	0	0.0%	35	307	-88.6%

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Metals Options												
ALUMINUM	0	-	-	0	-		0	-	-	0	-	-
COMEX COPPER	0	0	0.0%	9,749	45,239	-78.45%	0	0	0.0%	180,705	163,933	10.2%
COMEX GOLD	0	0	0.0%	743,750	687,264	8.22%	0	0	0.0%	4,715,194	2,910,652	62.0%
COMEX SILVER	0	0	0.0%	111,045	93,522	18.74%	0	0	0.0%	777,019	412,350	88.4%
COPPER	0	0	0.0%	133	99	34.34%	0	0	0.0%	2,663	216	1,132.9%
GOLD	0	0	0.0%	105,069	84,179	24.82%	0	0	0.0%	674,146	292,757	130.3%
HOT ROLLED COIL STEEL CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOT ROLLED COIL STEEL PUT	0	-	-	0	-		0	-	-	0	-	-
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	71	1,184	-94.00%	0	0	0.0%	2,777	5,039	-44.9%
PALLADIUM	0	0	0.0%	26	528	-95.08%	0	0	0.0%	1,314	2,495	-47.3%
SILVER	0	0	0.0%	2,852	4,210	-32.26%	0	0	0.0%	49,409	13,776	258.7%
Energy Futures												
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
AEP-DAYTON HUB OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ALGONQUIN CITYGATES BASI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	3,041,154	2,325,283	30.79%	0	0	0.0%	12,576,373	7,248,937	73.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
CANADIAN LIGHT SWEET OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	0	0	0.0%	6	1	500.00%	0	0	0.0%	162	465	-65.2%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	55	90	-38.89%	0	0	0.0%	60	90	-33.3%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
CRUDE OIL PHY	0	0	0.0%	38,208,659	27,106,956	40.96%	0	0	0.0%	131,568,404	98,254,332	33.9%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY	0	-	-	0	-		0	-	-	0	-	-
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DUTCH TTF NATURAL GAS CA	0	0	0.0%	37,212	3,888	857.10%	0	0	0.0%	139,680	31,216	347.5%
EASTERN RAIL DELIVERY CSX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
ELEC ERCOT DLY OFF PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC ERCOT OFF PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ERCOT NORTH ZMCPE 5MW P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL	0	0	0.0%	2,231	8,269	-73.02%	0	0	0.0%	10,006	39,721	-74.8%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN GASOIL (ICE)	0	0	0.0%	36	0	0.00%	0	0	0.0%	284	428	-33.6%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GERMAN POWER BASELOAD	0	0	0.0%	282	2,502	-88.73%	0	0	0.0%	8,554	8,439	1.4%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GROUP THREE UNLEAD GAS (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET FUEL CLNDF	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND A	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	-	-	0	-		0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	3,696,110	2,798,789	32.06%	0	0	0.0%	17,804,007	11,941,912	49.1%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB FINANCIAL LAST	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	670	122	449.2%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HTG OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
INDIANA MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ISO NEW ENGLAND PK LMP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JET FUEL CRG CIF NEW VS I	0	-	-	0	-	-	0	-	-	0	-	-
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JKM LNG Futures	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LOS ANGELES CARB GASOLIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LTD NAT GAS	0	0	0.0%	174,549	133,063	31.18%	0	0	0.0%	675,044	657,178	2.7%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	480	-100.0%
MARS BLEND CRUDE OIL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	609	391	55.75%	0	0	0.0%	4,058	1,205	236.8%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	3	4	-25.00%	0	0	0.0%	20	14	42.9%
MINY NATURAL GAS	0	0	0.0%	129,670	20,761	524.58%	0	0	0.0%	287,515	106,089	171.0%
MINY RBOB GAS	0	0	0.0%	6	3	100.00%	0	0	0.0%	28	24	16.7%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
MINY WTI CRUDE OIL	0	0	0.0%	1,704,550	299,535	469.07%	0	0	0.0%	4,194,769	1,555,151	169.7%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	18	4	350.00%	0	0	0.0%	66	35	88.6%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	58,170	43,791	32.84%	0	0	0.0%	213,391	168,860	26.4%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	10,879,016	6,711,655	62.09%	0	0	0.0%	45,748,874	28,457,922	60.8%
NEPOOL CNCTCT 5MW D AH O	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL CONECTIC 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL RHODE IL 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNT MASS 5MW D	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL W CNTR M 5MW D AH	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
NORTHEN NATURAL GAS VEN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	16	0	0.0%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO J	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO J OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM MONTHLY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	-	-	0	-		0	-	-	0	-	-
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
RBOB GASOLINE BALMO CLND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,769,636	4,884,590	-22.83%	0	0	0.0%	18,174,695	16,782,416	8.3%
RBOB SPREAD (PLATTS) SWA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO VS. GA	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SING FUEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Sumas Basis Swap	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Tetco STX Basis	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Transco Zone 3 Basis	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Futures												
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	179	355	-49.58%	0	0	0.0%	1,524	3,129	-51.3%
ULSD 10PPM CIF MED VS ICE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WAHA BASIS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WESTERN RAIL DELIVERY PR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI MIDLAND CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Energy Options												
BRENT 1 MONTH CAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 12 M CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT CRUDE OIL 1 M CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CRUDE OIL 6 M CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	5,200	63,187	-91.77%	0	0	0.0%	106,644	249,841	-57.3%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COAL SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	9,995	8,107	23.29%	0	0	0.0%	42,196	20,361	107.2%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	3	0.0%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	0	0.0%	2,631,346	2,370,115	11.02%	0	0	0.0%	12,346,753	8,016,201	54.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Options												
ETHANOL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	-	-	0	-		0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	2,308	4,147	-44.35%	0	0	0.0%	21,368	16,058	33.1%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	0	0.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	100	0	0.00%	0	0	0.0%	2,401	2,870	-16.3%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	0	-	-	0	-		0	-	-	0	-	-
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	1,772,656	657,651	169.54%	0	0	0.0%	6,369,354	3,514,542	81.2%
NATURAL GAS WINTER STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	95	56	69.64%	0	0	0.0%	492	144	241.7%
NYISO ZONE G 5MW PEAK OP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PANHANDLE PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	0	0	0.0%	4	0	0.00%	0	0	0.0%	11	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	2,250	6,118	-63.22%	0	0	0.0%	13,398	14,045	-4.6%
ROTTERDAM 3.5%FUEL OIL CL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	26	-100.00%	0	0	0.0%	0	26	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Energy Options												
SHORT TERM NATURAL GAS	0	0	0.0%	0	25	-100.00%	0	0	0.0%	0	75	-100.0%
SINGAPORE GASOIL CALEND	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SINGAPORE JET FUEL CALEN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	1,200	2,425	-50.52%	0	0	0.0%	9,000	21,655	-58.4%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	4,000	-100.00%	0	0	0.0%	0	8,100	-100.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	12	19	-36.84%	0	0	0.0%	45	71	-36.6%
AD/JY CROSS RATES	0	0	0.0%	1,565	2,855	-45.18%	0	0	0.0%	11,499	10,000	15.0%
AD/NE CROSS RATES	0	0	0.0%	238	109	118.35%	0	0	0.0%	1,681	241	597.5%
AUSTRALIAN DOLLAR	0	0	0.0%	1,423,626	1,962,179	-27.45%	0	0	0.0%	9,127,525	8,425,675	8.3%
BP/JY CROSS RATES	0	0	0.0%	2,268	1,983	14.37%	0	0	0.0%	14,127	8,115	74.1%
BP/SF CROSS RATES	0	0	0.0%	125	283	-55.83%	0	0	0.0%	2,059	1,436	43.4%
BRAZIL REAL	0	0	0.0%	162,768	102,420	58.92%	0	0	0.0%	770,010	402,343	91.4%
BRITISH POUND	0	0	0.0%	1,327,793	1,899,153	-30.08%	0	0	0.0%	9,066,302	9,765,654	-7.2%
CANADIAN DOLLAR	0	0	0.0%	1,223,695	1,537,062	-20.39%	0	3	-100.0%	7,218,998	6,162,085	17.2%
CD/JY CROSS RATES	0	0	0.0%	8	47	-82.98%	0	0	0.0%	224	65	244.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	11,919	16,689	-28.58%	0	0	0.0%	77,672	95,078	-18.3%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	14	10	40.0%
CZECK KORUNA (US)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	2,503	1,314	90.49%	0	0	0.0%	29,347	14,749	99.0%
EC/CD CROSS RATES	0	0	0.0%	1,545	1,486	3.97%	0	0	0.0%	18,303	10,207	79.3%
EC/NOK CROSS RATES	0	0	0.0%	825	382	115.97%	0	0	0.0%	1,241	1,672	-25.8%
EC/SEK CROSS RATES	0	0	0.0%	200	175	14.29%	0	0	0.0%	2,809	1,983	41.7%
EFX/BP CROSS RATES	0	0	0.0%	40,720	54,722	-25.59%	0	0	0.0%	323,983	348,568	-7.1%
EFX/JY CROSS RATES	0	0	0.0%	34,451	30,328	13.59%	0	0	0.0%	294,110	239,595	22.8%
EFX/SF CROSS RATES	0	0	0.0%	33,979	28,924	17.48%	0	0	0.0%	178,347	113,212	57.5%
E-MINI EURO FX	0	0	0.0%	127,992	87,097	46.95%	0	0	0.0%	579,607	367,365	57.8%
E-MINI JAPANESE YEN	0	0	0.0%	23,614	7,329	222.20%	0	0	0.0%	132,060	44,615	196.0%
EURO FX	0	20	-100.0%	2,890,607	3,902,460	-25.93%	36	31	16.1%	18,795,914	16,779,866	12.0%
HUNGARIAN FORINT (EC)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
FX Futures												
HUNGARIAN FORINT (US)	0	0	0.0%	30	2	1,400.00%	0	0	0.0%	57	6	850.0%
INDIAN RUPEE	0	0	0.0%	16,077	58,338	-72.44%	0	0	0.0%	114,094	301,903	-62.2%
JAPANESE YEN	0	0	0.0%	1,515,090	2,121,714	-28.59%	0	0	0.0%	12,880,625	9,680,055	33.1%
KOREAN WON	0	0	0.0%	359	125	187.20%	0	0	0.0%	2,255	816	176.3%
MEXICAN PESO	0	0	0.0%	854,429	988,730	-13.58%	0	0	0.0%	5,425,543	5,044,460	7.6%
MICRO AUD/USD	0	0	0.0%	262,277	122,906	113.40%	0	0	0.0%	828,216	501,827	65.0%
MICRO CAD/USD	0	0	0.0%	29,321	15,081	94.42%	0	0	0.0%	100,091	62,401	60.4%
MICRO CHF/USD	0	0	0.0%	1,223	1,099	11.28%	0	0	0.0%	15,140	7,182	110.8%
MICRO EUR/USD	0	0	0.0%	422,514	263,239	60.51%	0	0	0.0%	1,534,675	1,027,709	49.3%
MICRO GBP/USD	0	0	0.0%	45,599	37,017	23.18%	0	0	0.0%	192,672	194,508	-0.9%
MICRO INR/USD	0	0	0.0%	1,956	4,614	-57.61%	0	0	0.0%	11,417	20,359	-43.9%
MICRO JPY/USD	0	0	0.0%	27,085	19,499	38.90%	0	0	0.0%	141,220	108,145	30.6%
NEW ZEALND DOLLAR	0	0	0.0%	433,157	525,616	-17.59%	0	0	0.0%	2,629,505	2,304,120	14.1%
NKR/USD CROSS RATE	0	0	0.0%	1,605	3,298	-51.33%	0	0	0.0%	24,846	12,873	93.0%
POLISH ZLOTY (EC)	0	0	0.0%	20	159	-87.42%	0	0	0.0%	167	382	-56.3%
POLISH ZLOTY (US)	0	0	0.0%	319	71	349.30%	0	0	0.0%	2,587	394	556.6%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	3	2	50.0%
RUSSIAN RUBLE	0	0	0.0%	98,006	31,849	207.72%	0	0	0.0%	500,417	216,494	131.1%
S.AFRICAN RAND	0	0	0.0%	73,400	20,038	266.30%	0	0	0.0%	296,592	145,844	103.4%
SF/JY CROSS RATES	0	0	0.0%	8	0	0.00%	0	0	0.0%	157	7	2,142.9%
SHEKEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	90	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	2,028	1,979	2.48%	0	0	0.0%	16,691	10,065	65.8%
SWISS FRANC	0	0	0.0%	379,096	513,255	-26.14%	0	0	0.0%	2,778,684	1,999,130	39.0%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	13	8	62.5%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
FX Options												
AUD/USD MONDAY OPTION W	0	-	-	568	-	-	0	-	-	1,077	-	-
AUD/USD MONDAY OPTION W	0	-	-	362	-	-	0	-	-	431	-	-
AUD/USD MONDAY OPTION W	0	-	-	17	-	-	0	-	-	409	-	-
AUD/USD MONDAY OPTION W	0	-	-	180	-	-	0	-	-	180	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	103	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
FX Options												
AUD/USD MONTHLY OPTIONS	0	0	0.0%	69,324	71,997	-3.71%	0	0	0.0%	388,276	279,389	39.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,925	0	0.00%	0	0	0.0%	3,015	8,103	-62.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,685	7,080	-76.20%	0	0	0.0%	25,175	14,830	69.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,777	7,557	-50.02%	0	0	0.0%	19,002	26,636	-28.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,000	7,401	-59.46%	0	0	0.0%	19,283	30,799	-37.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	959	2	47,850.00%	0	0	0.0%	5,764	7,810	-26.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,139	2,015	-43.47%	0	0	0.0%	5,974	7,948	-24.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	820	3,755	-78.16%	0	0	0.0%	5,471	9,050	-39.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	321	1,922	-83.30%	0	0	0.0%	5,201	3,849	35.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,573	2,618	-39.92%	0	0	0.0%	7,893	5,864	34.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,023	0	0.00%	0	0	0.0%	3,619	671	439.3%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	-	-	17	-	-	0	-	-	106	-	-
CAD/USD MONDAY OPTIONS	0	-	-	105	-	-	0	-	-	506	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	101	-	-
CAD/USD MONDAY OPTIONS	0	-	-	259	-	-	0	-	-	391	-	-
CAD/USD MONDAY OPTIONS	0	-	-	12	-	-	0	-	-	246	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	102	-	-
CAD/USD MONTHLY OPTIONS	0	90	-100.0%	47,592	55,937	-14.92%	430	331	29.9%	222,793	234,621	-5.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,844	0	0.00%	0	0	0.0%	5,965	18,330	-67.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,832	9,093	-68.86%	0	0	0.0%	28,900	22,465	28.6%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,121	12,487	-67.00%	0	0	0.0%	26,007	41,300	-37.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,529	19,889	-62.14%	0	0	0.0%	29,041	46,486	-37.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	822	261	214.94%	0	0	0.0%	11,430	10,258	11.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	402	4,106	-90.21%	0	0	0.0%	7,120	12,475	-42.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	741	4,471	-83.43%	0	0	0.0%	8,623	12,992	-33.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,204	4,215	-47.71%	0	0	0.0%	8,493	11,191	-24.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,350	4,271	-44.98%	0	0	0.0%	9,646	10,661	-9.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	3,914	0	0.00%	0	0	0.0%	5,417	1,760	207.8%
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	1,884	2,125	-11.34%	0	0	0.0%	15,858	6,958	127.9%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	35	0	0.00%	0	0	0.0%	37	108	-65.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	34	177	-80.79%	0	0	0.0%	659	1,155	-42.9%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	84	163	-48.47%	0	0	0.0%	690	619	11.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
FX Options												
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	36	227	-84.14%	0	0	0.0%	515	528	-2.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1	0	0.00%	0	0	0.0%	842	601	40.1%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	74	-100.0%
EUR/JPY MONTHLY OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EURO FX (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUR/USD MONDAY OPTION W	0	-	-	901	-	-	0	-	-	1,995	-	-
EUR/USD MONDAY OPTION W	0	-	-	284	-	-	0	-	-	1,372	-	-
EUR/USD MONDAY OPTION W	0	-	-	296	-	-	0	-	-	2,078	-	-
EUR/USD MONDAY OPTION W	0	-	-	646	-	-	0	-	-	1,763	-	-
EUR/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	1,609	-	-
EUR/USD MONTHLY OPTIONS	0	1,975	-100.0%	199,099	373,665	-46.72%	1,550	5,848	-73.5%	1,441,644	1,445,979	-0.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,098	0	0.00%	0	0	0.0%	10,582	53,630	-80.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,393	58,796	-94.23%	62	0	0.0%	98,626	98,656	0.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	11,259	35,225	-68.04%	0	0	0.0%	95,798	128,474	-25.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,202	46,334	-77.98%	0	0	0.0%	98,985	176,604	-44.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	847	1,509	-43.87%	0	0	0.0%	23,277	33,731	-31.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	1,511	11,750	-87.14%	0	0	0.0%	37,468	40,045	-6.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,591	15,768	-77.23%	0	0	0.0%	38,184	50,561	-24.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,127	11,593	-73.03%	0	0	0.0%	33,972	43,939	-22.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	2,051	16,272	-87.40%	0	0	0.0%	32,957	49,407	-33.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,743	0	0.00%	0	0	0.0%	14,285	11,688	22.2%
GBP/USD MONDAY OPTION W	0	-	-	175	-	-	0	-	-	794	-	-
GBP/USD MONDAY OPTION W	0	-	-	465	-	-	0	-	-	467	-	-
GBP/USD MONDAY OPTION W	0	-	-	240	-	-	0	-	-	529	-	-
GBP/USD MONDAY OPTION W	0	-	-	922	-	-	0	-	-	922	-	-
GBP/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	401	-	-
GBP/USD MONTHLY OPTIONS	0	520	-100.0%	62,283	130,184	-52.16%	64	683	-90.6%	383,048	575,573	-33.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,898	0	0.00%	0	0	0.0%	3,255	19,765	-83.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	967	13,860	-93.02%	0	0	0.0%	16,204	22,568	-28.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,570	9,187	-82.91%	0	0	0.0%	12,382	37,807	-67.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,273	6,414	-64.56%	0	0	0.0%	16,194	38,136	-57.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	567	1	56,600.00%	0	0	0.0%	6,696	14,883	-55.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,711	2,188	-21.80%	0	0	0.0%	9,312	13,170	-29.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,096	2,587	-57.63%	0	0	0.0%	3,692	13,036	-71.7%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
FX Options												
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,022	4,096	-75.05%	0	0	0.0%	7,107	17,612	-59.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	40	717	-94.42%	0	0	0.0%	4,575	14,858	-69.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	787	0	0.00%	0	0	0.0%	5,190	5,260	-1.3%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	69	-	-	0	-	-	2,268	-	-
JPY/USD MONDAY OPTION WE	0	-	-	512	-	-	0	-	-	1,209	-	-
JPY/USD MONDAY OPTION WE	0	-	-	107	-	-	0	-	-	1,040	-	-
JPY/USD MONDAY OPTION WE	0	-	-	754	-	-	0	-	-	1,235	-	-
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	152	-	-
JPY/USD MONTHLY OPTIONS	0	10	-100.0%	120,860	165,965	-27.18%	727	35	1,977.1%	696,640	519,218	34.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,570	0	0.00%	0	0	0.0%	5,684	28,655	-80.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3,129	16,391	-80.91%	0	0	0.0%	58,830	33,300	76.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,007	10,360	-42.02%	0	0	0.0%	64,591	59,394	8.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,469	21,617	-56.20%	0	0	0.0%	53,033	67,233	-21.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	832	189	340.21%	0	0	0.0%	16,414	14,957	9.7%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,742	4,928	-64.65%	0	0	0.0%	28,372	13,324	112.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,806	5,145	-64.90%	0	0	0.0%	20,759	16,480	26.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,319	1,342	147.32%	0	0	0.0%	26,603	10,549	152.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,434	6,273	-61.20%	0	0	0.0%	29,399	14,929	96.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,070	0	0.00%	0	0	0.0%	6,294	1,787	252.2%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	259	1,017	-74.53%	1,840	900	104.4%	6,186	5,079	21.8%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	0	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	2	-100.00%	0	0	0.0%	0	147	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	1	0	0.00%	0	0	0.0%	1	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	585	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-	-	0	-	-	50	-	-
NZD/USD MONTHLY OPTIONS	0	0	0.0%	0	67	-100.00%	0	0	0.0%	4,351	2,007	116.8%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	120	-100.00%	0	0	0.0%	50	120	-58.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	206	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	375	-	-
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-	-	0	-	-	0	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	15	0	0.00%	0	0	0.0%	75	0	0.0%
Foreign Exchange Futures												
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	454	1,216	-62.66%	0	0	0.0%	3,716	4,024	-7.7%
Ag Products Futures												
BUTTER CS	0	0	0.0%	6,459	3,772	71.24%	0	0	0.0%	30,276	15,012	101.7%
CASH-SETTLED CHEESE	0	0	0.0%	16,060	9,743	64.84%	0	0	0.0%	60,346	48,707	23.9%
CAT ASIA WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	2,303	-100.0%	1,202,083	1,434,653	-16.21%	2,592	6,501	-60.1%	6,450,742	6,003,094	7.5%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	3,522	-100.0%	2,677,485	3,032,141	-11.70%	12,092	31,726	-61.9%	11,897,191	10,892,390	9.2%
CLASS IV MILK	0	12	-100.0%	2,252	3,537	-36.33%	65	105	-38.1%	13,947	10,778	29.4%
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COFFEE	0	-	-	0	-	-	0	-	-	0	-	-
CORN	0	19,418	-100.0%	7,776,075	9,995,329	-22.20%	18,145	80,636	-77.5%	29,489,108	33,371,157	-11.6%
COTTON	0	0	0.0%	2	0	0.00%	0	0	0.0%	15	3	400.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	14,333	19,244	-25.52%	0	0	0.0%	129,198	156,435	-17.4%
DRY WHEY	0	0	0.0%	924	1,248	-25.96%	0	0	0.0%	7,066	5,671	24.6%
FEEDER CATTLE	0	0	0.0%	227,851	365,969	-37.74%	54	9	500.0%	1,262,565	1,260,098	0.2%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Futures												
GOLDMAN SACHS	0	0	0.0%	17,991	27,466	-34.50%	0	0	0.0%	74,934	117,431	-36.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	44	0	0.00%	0	0	0.0%	44	0	0.0%
HDD EURO SEASONAL STRIP	0	-	-	0	-		0	-	-	0	-	-
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	25	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	2,518	-100.0%	1,193,560	1,347,724	-11.44%	1,940	7,739	-74.9%	4,896,767	5,149,123	-4.9%
HOUSING INDEX	0	0	0.0%	50	19	163.16%	0	0	0.0%	183	66	177.3%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	1,044	-100.0%	1,213,901	1,485,944	-18.31%	1,534	4,769	-67.8%	4,984,824	5,146,593	-3.1%
LUMBER	0	0	0.0%	9,124	17,404	-47.58%	0	0	0.0%	54,933	57,340	-4.2%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	19	-100.0%	40,565	25,805	57.20%	59	100	-41.0%	134,528	101,346	32.7%
MINI CORN	0	0	0.0%	31,965	9,347	241.98%	0	0	0.0%	79,232	30,696	158.1%
MINI SOYBEAN	0	0	0.0%	31,972	13,850	130.84%	0	0	0.0%	105,984	62,892	68.5%
MINI WHEAT	0	0	0.0%	18,988	4,531	319.07%	0	0	0.0%	50,777	17,684	187.1%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	8,989	6,796	32.27%	0	0	0.0%	45,417	27,771	63.5%
OATS	0	0	0.0%	9,221	18,572	-50.35%	0	0	0.0%	48,537	54,608	-11.1%
ROUGH RICE	0	0	0.0%	32,450	25,306	28.23%	0	31	-100.0%	110,582	75,240	47.0%
SOYBEAN	0	5,516	-100.0%	4,376,125	4,511,291	-3.00%	10,769	21,822	-50.7%	18,421,637	15,157,182	21.5%
SOYBEAN MEAL	0	463	-100.0%	2,135,765	2,690,850	-20.63%	1,333	2,720	-51.0%	10,450,025	8,874,270	17.8%
SOYBEAN OIL	0	2,063	-100.0%	2,885,146	2,938,434	-1.81%	4,078	3,311	23.2%	12,100,398	9,660,353	25.3%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	596	552	7.97%	0	0	0.0%	1,578	4,095	-61.5%
Ag Products Options												
BUTTER CS	0	606	-100.0%	3,057	3,865	-20.91%	212	3,535	-94.0%	17,110	13,223	29.4%
CASH-SETTLED CHEESE	0	423	-100.0%	14,776	9,144	61.59%	7,734	9,456	-18.2%	47,631	34,434	38.3%
CATTLE	0	35,277	-100.0%	235,581	202,256	16.48%	59,913	111,905	-46.5%	1,060,010	705,888	50.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Ag Products Options												
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	61,018	-100.0%	629,315	428,727	46.79%	202,275	388,367	-47.9%	2,559,801	2,331,896	9.8%
CLASS IV MILK	0	531	-100.0%	6,782	4,425	53.27%	1,082	2,438	-55.6%	30,074	16,147	86.3%
CORN	0	338,250	-100.0%	1,738,458	1,754,342	-0.91%	536,597	1,317,870	-59.3%	6,178,718	6,506,907	-5.0%
CORN NEARBY+2 CAL SPRD	0	125	-100.0%	2,370	0	0.00%	14,975	8,595	74.2%	4,350	1	434,900.0%
DEC-DEC CORN CAL SPRD	0	2,174	-100.0%	728	0	0.00%	250	2,747	-90.9%	728	0	0.0%
DEC-JULY CORN CAL SPRD	0	3,210	-100.0%	0	0	0.00%	175	6,910	-97.5%	0	0	0.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DRY WHEY	0	224	-100.0%	604	1,066	-43.34%	119	288	-58.7%	2,574	3,508	-26.6%
FEEDER CATTLE	0	2,073	-100.0%	24,717	32,656	-24.31%	4,252	4,827	-11.9%	129,845	106,870	21.5%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	45,415	-100.0%	317,867	379,443	-16.23%	34,430	162,986	-78.9%	1,337,531	1,291,302	3.6%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	0	100	-100.0%	243	0	0.00%	7,987	680	1,074.6%	268	0	0.0%
JULY-DEC CORN CAL SPRD	0	2,060	-100.0%	0	600	-100.00%	11,810	6,545	80.4%	4,510	1,100	310.0%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	50	-100.0%	1,220	0	0.00%	1,520	1,350	12.6%	1,365	0	0.0%
JULY-JULY WHEAT CAL SPRD	0	-	-	70	-	-	50	-	-	70	-	-
JULY-NOV SOYBEAN CAL SPR	0	415	-100.0%	500	0	0.00%	4,950	3,966	24.8%	1,602	190	743.2%
KC WHEAT	0	11,841	-100.0%	105,065	47,634	120.57%	36,570	76,030	-51.9%	386,606	254,484	51.9%
LUMBER	0	0	0.0%	641	2,451	-73.85%	0	70	-100.0%	4,755	7,956	-40.2%
LV CATL CSO	0	10	-100.0%	0	0	0.00%	0	419	-100.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	-	-	0	-	-	505	-	-	0	-	-
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	2,500	0	0.0%	0	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	30	-100.0%
MILK	0	3,462	-100.0%	66,071	39,326	68.01%	3,323	10,492	-68.3%	189,146	139,179	35.9%
MLK MID OPTIONS	0	0	0.0%	2	54	-96.30%	31	8	287.5%	13	152	-91.4%
NFD MILK	0	115	-100.0%	8,205	5,638	45.53%	494	574	-13.9%	40,594	32,715	24.1%
NOV-JULY SOYBEAN CAL SPR	0	750	-100.0%	0	0	0.00%	0	750	-100.0%	0	50	-100.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	120	0	0.00%	100	0	0.0%	750	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	114	-100.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
Ag Products Options												
OATS	0	281	-100.0%	66	305	-78.36%	720	1,832	-60.7%	686	1,193	-42.5%
ROUGH RICE	0	790	-100.0%	3,219	696	362.50%	6,492	5,284	22.9%	6,602	3,393	94.6%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOYBEAN	0	142,168	-100.0%	836,912	927,109	-9.73%	275,778	544,817	-49.4%	3,830,532	3,438,496	11.4%
SOYBEAN CRUSH	0	4	-100.0%	347	0	0.00%	830	4	20,650.0%	347	0	0.0%
SOYBEAN MEAL	0	36,354	-100.0%	212,135	113,032	87.68%	84,223	130,266	-35.3%	822,466	435,972	88.7%
SOYBEAN OIL	0	15,038	-100.0%	134,643	88,531	52.09%	106,072	66,648	59.2%	713,446	362,044	97.1%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	245	0	0.00%	335	0	0.0%	545	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	15	-100.0%	0	0	0.00%	200	465	-57.0%	0	0	0.0%
WHEAT	0	1,744	-100.0%	404	305	32.46%	16	3,450	-99.5%	2,593	1,538	68.6%
WHEAT-CORN ICSCO	0	640	-100.0%	1,110	0	0.00%	70	2,490	-97.2%	1,110	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	960	-100.0%	396	0	0.00%	1,251	2,040	-38.7%	926	200	363.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	0	942,752	-100.0%	95,283,862	115,114,477	-17.2%	3,232,304	3,541,660	-8.7%	694,166,036	557,474,019	24.5%
Equity Index Futures	0	4,139	-100.0%	93,283,257	38,718,617	140.9%	33,712	83,415	-59.6%	430,453,959	192,587,473	123.5%
Metals Futures	0	0	0.0%	9,145,402	9,735,587	-6.1%	0	0	0.0%	55,792,872	39,255,396	42.1%
Energy Futures	0	0	0.0%	61,702,151	44,339,930	39.2%	0	0	0.0%	231,408,206	165,258,215	40.0%
FX Futures	0	20	-100.0%	11,474,052	14,365,646	-20.1%	36	34	5.9%	74,141,634	64,431,315	15.1%
Ags Futures	0	0	0.0%	15	0	0.0%	0	0	0.0%	75	0	0.0%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Ag Products Futures	0	36,878	-100.0%	23,929,976	27,989,527	-14.5%	52,661	159,469	-67.0%	100,900,859	96,300,035	4.8%
TOTAL FUTURES	0	983,789	-100.0%	294,818,715	250,263,784	17.8%	3,318,713	3,784,578	-12.3%	1,586,863,641	1,115,306,453	42.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2020	Open Outcry APR 2019	% CHG	ELEC APR 2020	ELEC APR 2019	% CHG	Open Outcry Y.T.D 2020	Open Outcry Y.T.D 2019	% CHG	ELEC Y.T.D 2020	ELEC Y.T.D 2019	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	600,543	-100.0%	12,315,202	8,959,276	37.5%	1,658,011	2,790,205	-40.6%	72,812,949	43,723,639	66.5%
Interest Rate Options	0	20,893,767	-100.0%	40,141,085	25,957,927	54.6%	73,045,459	92,036,893	-20.6%	175,112,069	110,652,305	58.3%
Metals Options	0	0	0.0%	972,695	916,225	6.2%	0	0	0.0%	6,403,227	3,801,218	68.5%
Energy Options	0	0	0.0%	4,425,154	3,115,857	42.0%	0	0	0.0%	18,911,640	11,863,921	59.4%
FX Options	0	2,595	-100.0%	656,495	1,195,331	-45.1%	4,673	7,797	-40.1%	4,303,845	4,520,298	-4.8%
Ag Products Options	0	706,123	-100.0%	4,345,869	4,041,605	7.5%	1,407,841	2,878,218	-51.1%	17,377,304	15,688,868	10.8%
Foreign Exchange Options	0	0	0.0%	454	1,216	-62.7%	0	0	0.0%	3,716	4,024	-7.7%
TOTAL OPTIONS	0	22,203,028	-100.0%	62,856,954	44,187,437	42.3%	76,115,984	97,713,113	-22.1%	294,924,750	190,254,273	55.0%
TOTAL COMBINED												
Interest Rate	0	21,836,519	-100.0%	135,424,947	141,072,404	-4.0%	76,277,763	95,578,553	-20.2%	869,278,105	668,126,324	30.1%
Equity Index	0	604,682	-100.0%	105,598,459	47,677,893	121.5%	1,691,723	2,873,620	-41.1%	503,266,908	236,311,112	113.0%
Metals	0	0	0.0%	10,118,097	10,651,812	-5.0%	0	0	0.0%	62,196,099	43,056,614	44.5%
Energy	0	0	0.0%	66,127,305	47,455,787	39.3%	0	0	0.0%	250,319,846	177,122,136	41.3%
FX	0	2,615	-100.0%	12,130,547	15,560,977	-22.0%	4,709	7,831	-39.9%	78,445,479	68,951,613	13.8%
Ags	0	0	0.0%	15	0	0.0%	0	0	0.0%	75	0	0.0%
Foreign Exchange	0	0	0.0%	454	1,216	-62.7%	0	0	0.0%	3,716	4,024	-7.7%
Ag Products	0	743,001	-100.0%	28,275,845	32,031,132	-11.7%	1,460,502	3,037,687	-51.9%	118,278,163	111,988,903	5.6%
GRAND TOTAL	0	23,186,817	-100.0%	357,675,669	294,451,221	21.5%	79,434,697	101,497,691	-21.7%	1,881,788,391	1,305,560,726	44.1%

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