



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Interest Rate Futures												
10-YR NOTE	0	0	0.0%	30,315,556	22,136,516	36.95%	0	469,469	-100.0%	160,700,734	169,691,173	-5.3%
10-YR SWAP RATE	0	0	0.0%	58,143	21,127	175.21%	0	0	0.0%	266,397	228,634	16.5%
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%	0	243	-100.00%	0	0	0.0%	0	354	-100.0%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
2-YR NOTE	0	0	0.0%	5,016,290	6,640,830	-24.46%	0	261	-100.0%	32,507,279	57,710,016	-43.7%
2-YR SWAP RATE	0	0	0.0%	84,576	701	11,965.05%	0	0	0.0%	327,137	67,671	383.4%
30-YR BOND	0	0	0.0%	7,322,568	4,121,047	77.69%	0	55,491	-100.0%	39,144,143	33,407,057	17.2%
30-YR SWAP RATE	0	0	0.0%	0	26	-100.00%	0	0	0.0%	0	659	-100.0%
3-YR NOTE	0	-	-	144,301	-		0	-	-	688,908	-	-
3-YR SWAP RATE	0	0	0.0%	2,497	2,929	-14.75%	0	0	0.0%	7,267	16,582	-56.2%
4-YR SWAP RATE	0	0	0.0%	451	487	-7.39%	0	0	0.0%	3,706	5,841	-36.6%
5-YR NOTE	0	0	0.0%	14,938,064	12,215,770	22.29%	0	87,402	-100.0%	91,179,356	97,885,715	-6.9%
5-YR SWAP RATE	0	0	0.0%	40,080	54,861	-26.94%	0	0	0.0%	334,058	292,046	14.4%
7-YR SWAP RATE	0	0	0.0%	1,936	689	180.99%	0	0	0.0%	9,265	11,018	-15.9%
EURODOLLARS	396,121	0	0.0%	37,355,676	39,340,906	-5.05%	1,713,253	2,619,681	-34.6%	199,158,460	256,413,419	-22.3%
FED FUND	0	0	0.0%	1,685,441	4,281,935	-60.64%	0	0	0.0%	7,708,608	34,546,584	-77.7%
SOFR	0	0	0.0%	2,322,470	572,738	305.50%	0	0	0.0%	8,937,780	3,851,862	132.0%
SONIA	0	0	0.0%	92,264	115,431	-20.07%	0	0	0.0%	554,379	523,507	5.9%
Ultra 10-Year Note	0	0	0.0%	5,033,905	3,405,865	47.80%	0	0	0.0%	29,040,028	22,729,748	27.8%
ULTRA T-BOND	0	0	0.0%	3,265,631	2,371,761	37.69%	0	0	0.0%	18,059,411	16,784,150	7.6%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	12,648,385	6,745,782	87.50%	0	8,489,760	-100.0%	55,676,516	51,453,713	8.2%
2-YR NOTE	0	0	0.0%	15,445	334,964	-95.39%	0	273,359	-100.0%	66,901	1,269,637	-94.7%
30-YR BOND	0	0	0.0%	2,220,091	1,345,958	64.95%	0	891,042	-100.0%	11,656,749	10,651,105	9.4%
5-YR NOTE	0	0	0.0%	2,635,980	3,002,415	-12.20%	0	2,424,616	-100.0%	12,937,948	15,546,323	-16.8%
EURODOLLARS	2,230,270	0	0.0%	727,139	23,134,243	-96.86%	11,290,421	48,129,596	-76.5%	5,788,250	75,684,990	-92.4%
EURO MIDCURVE	10,036,046	0	0.0%	4,577,373	5,576,479	-17.92%	41,007,727	12,810,071	220.1%	22,105,058	20,493,668	7.9%
FED FUND	0	0	0.0%	0	605	-100.00%	0	3,100	-100.0%	0	7,771	-100.0%
SOFR	0	0	0.0%	10	227	-95.59%	2,000	10	19,900.0%	780	492	58.5%
Ultra 10-Year Note	0	0	0.0%	0	0	0.00%	0	13,035	-100.0%	0	2,961	-100.0%
ULTRA T-BOND	0	0	0.0%	541	412	31.31%	0	10,870	-100.0%	2,157	1,409	53.1%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	195,747	122,670	59.57%	0	0	0.0%	1,016,188	706,464	43.8%
DJ US REAL ESTATE	0	0	0.0%	31,276	31,129	0.47%	0	0	0.0%	130,425	166,415	-21.6%
E-mini (\$5) Dow	0	0	0.0%	2,922,004	4,348,047	-32.80%	0	0	0.0%	15,355,458	24,089,557	-36.3%
E-MINI COM SERVICES SELEC	0	0	0.0%	2,157	1,221	76.66%	0	0	0.0%	10,731	9,320	15.1%
E-mini FTSE 100 (USD)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
E-mini FTSE China 50	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	192,084	234,345	-18.03%	0	0	0.0%	1,000,377	1,639,875	-39.0%
E-MINI NASDAQ 100	0	0	0.0%	10,498,141	9,192,506	14.20%	0	0	0.0%	47,248,203	53,978,247	-12.5%
E-MINI RUSSELL 1000	0	0	0.0%	1,129	1,695	-33.39%	0	0	0.0%	11,503	19,240	-40.2%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	900	926	-2.81%	0	0	0.0%	10,876	12,632	-13.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,965	4,281	-30.74%	0	0	0.0%	37,377	21,394	74.7%
E-MINI RUSSELL 2000	0	0	0.0%	3,512,212	3,749,625	-6.33%	0	0	0.0%	16,809,336	17,558,261	-4.3%
E-MINI S&P500	0	0	0.0%	28,369,189	37,949,409	-25.24%	0	0	0.0%	139,027,855	198,709,514	-30.0%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,515	1,402	79.39%	0	0	0.0%	13,052	34,683	-62.4%
ETHER FUTURES	0	-	-	50,063	-		0	-	-	79,200	-	-
FT-SE 100	0	0	0.0%	0	0	0.00%	0	0	0.0%	4	0	0.0%
FTSE Emerging	0	0	0.0%	0	79	-100.00%	0	0	0.0%	5	4,370	-99.9%
IBOVESPA INDEX	0	0	0.0%	97	603	-83.91%	0	0	0.0%	955	2,718	-64.9%
MICRO E-MINI NASDAQ 100	0	0	0.0%	18,490,117	11,892,289	55.48%	0	0	0.0%	85,115,957	45,774,494	85.9%

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Equity Index Futures												
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,807,886	1,893,042	48.33%	0	0	0.0%	14,194,591	6,756,886	110.1%
MICRO E-MINI S&P500	0	0	0.0%	16,440,689	19,825,498	-17.07%	0	0	0.0%	80,727,088	62,437,416	29.3%
MICRO MINI \$5 DOW	0	0	0.0%	1,941,679	3,023,596	-35.78%	0	0	0.0%	11,656,598	11,332,792	2.9%
NASDAQ BIOTECH	0	0	0.0%	93	23	304.35%	0	0	0.0%	2,286	2,650	-13.7%
Nearby BTIC+	0	0	0.0%	50	0	0.00%	0	0	0.0%	104	200	-48.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	98,978	123,617	-19.93%	0	0	0.0%	545,006	1,109,188	-50.9%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	510,293	798,470	-36.09%	0	0	0.0%	2,645,944	5,441,590	-51.4%
S&P 500	0	0	0.0%	2,140	3,123	-31.48%	0	33,712	-100.0%	9,554	15,162	-37.0%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	15,558	28,589	-45.58%	0	0	0.0%	55,963	123,593	-54.7%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	0	972	-100.00%	0	0	0.0%	447	3,123	-85.7%
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%	4,067	2,481	63.93%	0	0	0.0%	47,863	33,451	43.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	10,815	4,066	165.99%	0	0	0.0%	62,735	39,655	58.2%
S&P ENERGY SECTOR	0	0	0.0%	16,303	11,866	37.39%	0	0	0.0%	114,967	78,375	46.7%
S&P FINANCIAL SECTOR	0	0	0.0%	13,371	9,659	38.43%	0	0	0.0%	136,484	80,043	70.5%
S&P HEALTH CARE SECTOR	0	0	0.0%	7,742	5,797	33.55%	0	0	0.0%	54,362	60,793	-10.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	4,071	4,395	-7.37%	0	0	0.0%	36,846	38,868	-5.2%
S&P MATERIALS SECTOR	0	0	0.0%	2,819	2,995	-5.88%	0	0	0.0%	34,668	21,349	62.4%
S&P TECHNOLOGY SECTOR	0	0	0.0%	6,029	3,075	96.07%	0	0	0.0%	46,909	48,775	-3.8%
S&P UTILITIES SECTOR	0	0	0.0%	10,088	4,732	113.19%	0	0	0.0%	57,296	66,594	-14.0%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WATER INDEX FUTURES	0	-	-	221	-		0	-	-	668	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	1,415	7,034	-79.88%	0	0	0.0%	5,839	36,272	-83.9%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	1,249	300	316.33%	0	0	0.0%	5,195	1,510	244.0%
E-mini (\$5) Dow	0	0	0.0%	997	2,076	-51.97%	0	0	0.0%	6,355	14,411	-55.9%
E-MINI NASDAQ 100	0	0	0.0%	447,608	196,932	127.29%	0	0	0.0%	2,007,250	1,433,712	40.0%
E-MINI RUSSELL 2000	0	0	0.0%	18,162	6,435	182.24%	0	0	0.0%	122,927	70,696	73.9%
E-MINI S&P500	0	0	0.0%	4,390,217	5,462,448	-19.63%	0	250	-100.0%	21,896,375	36,201,972	-39.5%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	18,506	5,833	217.26%	0	0	0.0%	87,160	30,149	189.1%
EOM EMINI S&P	0	0	0.0%	1,743,238	1,452,704	20.00%	0	0	0.0%	7,303,633	10,202,138	-28.4%
EOM S&P 500	0	0	0.0%	1,260	0	0.00%	0	303,360	-100.0%	1,300	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	5,939	1,556	281.68%	0	0	0.0%	34,735	24,364	42.6%
EOW1 EMINI S&P 500	0	0	0.0%	456,349	908,912	-49.79%	0	0	0.0%	3,402,756	5,046,450	-32.6%
EOW1 S&P 500	0	0	0.0%	0	0	0.00%	0	157,788	-100.0%	0	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	7,239	1,344	438.62%	0	0	0.0%	49,337	13,574	263.5%
EOW2 EMINI S&P 500	0	0	0.0%	796,525	803,089	-0.82%	0	0	0.0%	3,859,096	4,696,835	-17.8%
EOW2 S&P 500	0	0	0.0%	0	0	0.00%	0	252,530	-100.0%	0	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	22,186	16,752	32.44%	0	0	0.0%	109,380	91,863	19.1%
EOW3 EMINI S&P 500	0	0	0.0%	2,071,740	2,550,173	-18.76%	0	0	0.0%	8,119,813	11,901,212	-31.8%
EOW3 S&P 500	0	0	0.0%	0	0	0.00%	0	266,271	-100.0%	0	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	22,868	2,344	875.60%	0	0	0.0%	56,250	10,048	459.8%
EOW4 EMINI S&P 500	0	0	0.0%	952,615	902,455	5.56%	0	0	0.0%	2,925,299	3,069,726	-4.7%
MICRO E-MINI NASDAQ 100	0	-	-	31,937	-		0	-	-	87,293	-	-
MICRO E-MINI S&P500	0	-	-	121,877	-		0	-	-	519,505	-	-
S&P 500	0	0	0.0%	0	1,849	-100.00%	0	677,812	-100.0%	200	4,289	-95.3%

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Metals Futures												
ALUMINUM	0	0	0.0%	10,767	2,165	397.32%	0	0	0.0%	24,038	12,068	99.2%
COBALT METAL FUTURES	0	-	-	0	-		0	-	-	12	-	-
COMEX COPPER	0	0	0.0%	2,386,379	1,748,494	36.48%	0	0	0.0%	9,454,531	8,920,301	6.0%
COMEX E-Mini GOLD	0	0	0.0%	17,937	30,108	-40.42%	0	0	0.0%	97,883	167,115	-41.4%
COMEX E-Mini SILVER	0	0	0.0%	4,519	4,530	-0.24%	0	0	0.0%	33,980	18,513	83.5%
COMEX GOLD	0	0	0.0%	3,509,529	4,161,278	-15.66%	0	0	0.0%	20,142,129	31,237,458	-35.5%
COMEX MINY COPPER	0	0	0.0%	4,089	484	744.83%	0	0	0.0%	14,474	2,269	537.9%
COMEX SILVER	0	0	0.0%	1,742,749	1,329,742	31.06%	0	0	0.0%	7,843,392	7,927,140	-1.1%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	577	2,078	-72.23%	0	0	0.0%	3,935	6,090	-35.4%
GOLD	0	0	0.0%	2,219	2,761	-19.63%	0	0	0.0%	16,121	43,691	-63.1%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	166	0	0.00%	0	0	0.0%	696	0	0.0%
IRON ORE 62 CHINA PLATTS F	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	193	-100.0%
IRON ORE CHINA	0	-	-	0	-		0	-	-	4	-	-
LNDN ZINC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
METALS	0	-	-	0	-		0	-	-	0	-	-
MICRO GOLD	0	0	0.0%	914,872	1,595,126	-42.65%	0	0	0.0%	5,340,454	5,085,505	5.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	3,294	6,760	-51.27%	0	0	0.0%	21,958	25,137	-12.6%
NYMEX PLATINUM	0	0	0.0%	267,678	206,556	29.59%	0	0	0.0%	1,410,909	1,806,686	-21.9%
PALLADIUM	0	0	0.0%	31,438	21,653	45.19%	0	0	0.0%	177,791	355,889	-50.0%
SILVER	0	0	0.0%	134,515	33,662	299.60%	0	0	0.0%	1,039,166	184,782	462.4%
URANIUM	0	0	0.0%	0	5	-100.00%	0	0	0.0%	0	35	-100.0%

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Metals Options												
ALUMINUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
COMEX COPPER	0	0	0.0%	45,244	9,749	364.09%	0	0	0.0%	142,464	180,705	-21.2%
COMEX GOLD	0	0	0.0%	473,495	743,750	-36.34%	0	0	0.0%	2,535,679	4,715,194	-46.2%
COMEX SILVER	0	0	0.0%	100,526	111,045	-9.47%	0	0	0.0%	668,959	777,019	-13.9%
COPPER	0	0	0.0%	19	133	-85.71%	0	0	0.0%	67	2,663	-97.5%
GOLD	0	0	0.0%	130,264	105,069	23.98%	0	0	0.0%	631,405	674,146	-6.3%
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%	0	0	0.00%	0	0	0.0%	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%
IRON ORE CHINA	0	-	-	0	-		0	-	-	0	-	-
NYMEX HOT ROLLED STEEL	0	-	-	0	-		0	-	-	0	-	-
NYMEX PLATINUM	0	0	0.0%	89	71	25.35%	0	0	0.0%	1,991	2,777	-28.3%
PALLADIUM	0	0	0.0%	228	26	776.92%	0	0	0.0%	448	1,314	-65.9%
SILVER	0	0	0.0%	6,126	2,852	114.80%	0	0	0.0%	29,702	49,409	-39.9%
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	0.00%	-	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%
ANR OKLAHOMA	-	0	0.0%	-	0	0.00%	-	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 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%	1,954,328	3,041,154	-35.74%	0	0	0.0%	8,991,917	12,576,373	-28.5%
CAR VINTAGE	0	-	-	70	-		0	-	-	124	-	-
CENTERPOINT BASIS SWAP	-	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 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
CHICAGO ETHANOL SWAP	0	0	0.0%	18	6	200.00%	0	0	0.0%	625	162	285.8%
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	0.00%	-	0	0.0%	-	0	0.0%
CINERGY HUB PEAK MONTH	-	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	0.00%	-	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%	0	55	-100.00%	0	0	0.0%	24	60	-60.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	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%	18,480,724	38,208,659	-51.63%	0	0	0.0%	84,279,402	131,568,404	-35.9%
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%	0	0	0.00%	0	0	0.0%	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	-	-
DOMINION TRAN INC - APP I	-	0	0.0%	-	0	0.00%	-	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%	72,358	37,212	94.45%	0	0	0.0%	204,547	139,680	46.4%
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%	0	6	-100.0%
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	0.00%	-	0	0.0%	-	0	0.0%
ELEC NYISO OFF-PEAK	-	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 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
ETHANOL	0	0	0.0%	53	2,231	-97.62%	0	0	0.0%	144	10,006	-98.6%
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	0.00%	-	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 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%	10	36	-72.22%	0	0	0.0%	146	284	-48.6%
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%
FUEL OIL (PLATS) CAR CN	-	0	0.0%	-	0	0.00%	-	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 0.1 CIF NWE VS ISE	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
GERMAN POWER BASELOAD	0	0	0.0%	0	282	-100.00%	0	0	0.0%	48	8,554	-99.4%
GROUP THREE ULSD (PLATTS)	-	0	0.0%	-	0	0.00%	-	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 CLNDR	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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,384,542	3,696,110	-35.49%	0	0	0.0%	12,110,818	17,804,007	-32.0%
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	-	-
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%	31	0	0.00%	0	0	0.0%	31	670	-95.4%
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%
ICE GASOIL BALMO SWAP	0	-	-	0	-		0	-	-	0	-	-
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%
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	0.00%	-	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	0.00%	-	0	0.0%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
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%	174,081	174,549	-0.27%	0	0	0.0%	804,866	675,044	19.2%
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	0	0.0%
MARS BLEND CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	1,983	609	225.62%	0	0	0.0%	12,391	4,058	205.3%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	0	0.0%
MGF FUT	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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%	9	3	200.00%	0	0	0.0%	28	20	40.0%
MINY NATURAL GAS	0	0	0.0%	65,886	129,670	-49.19%	0	0	0.0%	478,223	287,515	66.3%
MINY RBOB GAS	0	0	0.0%	13	6	116.67%	0	0	0.0%	36	28	28.6%
MINY WTI CRUDE OIL	0	0	0.0%	439,802	1,704,550	-74.20%	0	0	0.0%	1,593,997	4,194,769	-62.0%
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%	30	0	0.00%	0	0	0.0%	115	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%	0	18	-100.00%	0	0	0.0%	36	66	-45.5%
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	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS	0	0	0.0%	28,261	58,170	-51.42%	0	0	0.0%	158,412	213,391	-25.8%
NATURAL GAS PEN SWP	0	0	0.0%	7	0	0.00%	0	0	0.0%	48	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
NATURAL GAS PHY	0	0	0.0%	6,757,545	10,879,016	-37.88%	0	0	0.0%	31,868,884	45,748,874	-30.3%
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%
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%
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	0.00%	-	0	0.0%	-	0	0.0%
NORTHEN NATURAL GAS VEN	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	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	0.00%	-	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	16	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	0.00%	-	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 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	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
ONEOK OKLAHOMA NG BASIS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ONTARIO POWER SWAPS	-	0	0.0%	-	0	0.00%	-	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%
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%
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 BGE DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM BGE DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM COMED 5MW D AH O PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM COMED 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
PJM NILL DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM OFF-PEAK LMP SWAP FU	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
PREMIUM UNLEAD 10PPM FOB	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PREM UNL GAS 10PPM RDAM	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	3,565,329	3,769,636	-5.42%	0	0	0.0%	15,431,276	18,174,695	-15.1%
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	0.00%	-	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 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%
SING FUEL	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Futures												
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	0.00%	-	0	0.0%	-	0	0.0%
UCM FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	0	179	-100.00%	0	0	0.0%	2,485	1,524	63.1%
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%
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%	0	0	0.00%	0	0	0.0%	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 CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	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 OIL LAST DAY	0	0	0.0%	2,436	5,200	-53.15%	0	0	0.0%	14,995	106,644	-85.9%
COAL API2 INDEX	0	0	0.0%	0	0	0.00%	0	0	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%	7,100	9,995	-28.96%	0	0	0.0%	39,980	42,196	-5.3%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3	-100.0%
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	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL PHY	0	0	0.0%	1,559,614	2,631,346	-40.73%	0	0	0.0%	7,290,619	12,346,753	-41.0%
ELEC FINSETTLED	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	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-	-	0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	1,661	2,308	-28.03%	0	0	0.0%	6,255	21,368	-70.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	16	0	0.00%	0	0	0.0%	40	20	100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Energy Options												
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 ARGES 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%	0	100	-100.00%	0	0	0.0%	4,250	2,401	77.0%
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%	0	0	0.00%	0	0	0.0%	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%	823,902	1,772,656	-53.52%	0	0	0.0%	4,771,362	6,369,354	-25.1%
NATURAL GAS SUMMER STRIP	0	-	-	0	-		0	-	-	0	-	-
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%	61	95	-35.79%	0	0	0.0%	288	492	-41.5%
PETROCHEMICALS	0	0	0.0%	14	4	250.00%	0	0	0.0%	29	11	163.6%
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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
RBOB PHY	0	0	0.0%	2,025	2,250	-10.00%	0	0	0.0%	8,984	13,398	-32.9%
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	0	0.00%	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	2,150	1,200	79.17%	0	0	0.0%	5,900	9,000	-34.4%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	900	0	0.00%	0	0	0.0%	900	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	20	12	66.67%	0	0	0.0%	44	45	-2.2%
AD/JY CROSS RATES	0	0	0.0%	1,391	1,565	-11.12%	0	0	0.0%	8,912	11,499	-22.5%
AD/NE CROSS RATES	0	0	0.0%	153	238	-35.71%	0	0	0.0%	674	1,681	-59.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,735,122	1,423,626	21.88%	0	0	0.0%	8,788,816	9,127,525	-3.7%
BP/JY CROSS RATES	0	0	0.0%	1,795	2,268	-20.86%	0	0	0.0%	8,714	14,127	-38.3%
BP/SF CROSS RATES	0	0	0.0%	417	125	233.60%	0	0	0.0%	2,363	2,059	14.8%
BRAZIL REAL	0	0	0.0%	205,668	162,768	26.36%	0	0	0.0%	872,110	770,010	13.3%
BRITISH POUND	0	0	0.0%	1,624,503	1,327,793	22.35%	0	0	0.0%	7,407,509	9,066,302	-18.3%
CANADIAN DOLLAR	0	0	0.0%	1,497,971	1,223,695	22.41%	0	0	0.0%	6,465,772	7,218,998	-10.4%
CD/JY CROSS RATES	0	0	0.0%	11	8	37.50%	0	0	0.0%	544	224	142.9%
CHINESE RENMINBI (CNH)	0	0	0.0%	9,491	11,919	-20.37%	0	0	0.0%	58,826	77,672	-24.3%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	14	-85.7%
CZECK KORUNA (US)	0	-	-	1	-		0	-	-	3	-	-
EC/AD CROSS RATES	0	0	0.0%	2,097	2,503	-16.22%	0	0	0.0%	18,018	29,347	-38.6%
EC/CD CROSS RATES	0	0	0.0%	3,883	1,545	151.33%	0	0	0.0%	24,558	18,303	34.2%
EC/NOK CROSS RATES	0	0	0.0%	141	825	-82.91%	0	0	0.0%	2,355	1,241	89.8%
EC/SEK CROSS RATES	0	0	0.0%	261	200	30.50%	0	0	0.0%	2,383	2,809	-15.2%
EFX/BP CROSS RATES	0	0	0.0%	23,624	40,720	-41.98%	0	0	0.0%	209,282	323,983	-35.4%
EFX/JY CROSS RATES	0	0	0.0%	19,784	34,451	-42.57%	0	0	0.0%	129,471	294,110	-56.0%
EFX/SF CROSS RATES	0	0	0.0%	11,613	33,979	-65.82%	0	0	0.0%	79,406	178,347	-55.5%
E-MINI EURO FX	0	0	0.0%	91,207	127,992	-28.74%	0	0	0.0%	568,393	579,607	-1.9%
E-MINI JAPANESE YEN	0	0	0.0%	7,023	23,614	-70.26%	0	0	0.0%	40,416	132,060	-69.4%
EURO FX	0	0	0.0%	3,357,827	2,890,607	16.16%	0	36	-100.0%	16,298,674	18,795,914	-13.3%
HUNGARIAN FORINT (EC)	0	-	-	0	-		0	-	-	0	-	-
HUNGARIAN FORINT (US)	0	0	0.0%	1	30	-96.67%	0	0	0.0%	61	57	7.0%
INDIAN RUPEE	0	0	0.0%	12,237	16,077	-23.89%	0	0	0.0%	63,765	114,094	-44.1%
JAPANESE YEN	0	0	0.0%	2,203,850	1,515,090	45.46%	0	0	0.0%	8,613,350	12,880,625	-33.1%
KOREAN WON	0	0	0.0%	1,723	359	379.94%	0	0	0.0%	7,732	2,255	242.9%
MEXICAN PESO	0	0	0.0%	756,929	854,429	-11.41%	0	0	0.0%	4,387,568	5,425,543	-19.1%
MICRO AUD/USD	0	0	0.0%	198,181	262,277	-24.44%	0	0	0.0%	994,518	828,216	20.1%
MICRO CAD/USD	0	0	0.0%	49,130	29,321	67.56%	0	0	0.0%	189,814	100,091	89.6%
MICRO CHF/USD	0	0	0.0%	6,733	1,223	450.53%	0	0	0.0%	38,704	15,140	155.6%
MICRO EUR/USD	0	0	0.0%	407,013	422,514	-3.67%	0	0	0.0%	2,143,973	1,534,675	39.7%
MICRO GBP/USD	0	0	0.0%	69,348	45,599	52.08%	0	0	0.0%	280,531	192,672	45.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Futures												
MICRO INR/USD	0	0	0.0%	2,094	1,956	7.06%	0	0	0.0%	9,250	11,417	-19.0%
MICRO JPY/USD	0	0	0.0%	30,782	27,085	13.65%	0	0	0.0%	121,749	141,220	-13.8%
MICRO USD/CNH	0	-	-	3	-		0	-	-	7	-	-
NEW ZEALND DOLLAR	0	0	0.0%	458,788	433,157	5.92%	0	0	0.0%	2,480,668	2,629,505	-5.7%
NKR/USD CROSS RATE	0	0	0.0%	3,968	1,605	147.23%	0	0	0.0%	18,612	24,846	-25.1%
POLISH ZLOTY (EC)	0	0	0.0%	47	20	135.00%	0	0	0.0%	562	167	236.5%
POLISH ZLOTY (US)	0	0	0.0%	380	319	19.12%	0	0	0.0%	4,223	2,587	63.2%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3	-100.0%
RUSSIAN RUBLE	0	0	0.0%	83,722	98,006	-14.57%	0	0	0.0%	388,683	500,417	-22.3%
S.AFRICAN RAND	0	0	0.0%	32,603	73,400	-55.58%	0	0	0.0%	199,566	296,592	-32.7%
SF/JY CROSS RATES	0	0	0.0%	40	8	400.00%	0	0	0.0%	114	157	-27.4%
SHEKEL	0	0	0.0%	1	0	0.00%	0	0	0.0%	11	90	-87.8%
SKR/USD CROSS RATES	0	0	0.0%	3,872	2,028	90.93%	0	0	0.0%	17,038	16,691	2.1%
SWISS FRANC	0	0	0.0%	397,325	379,096	4.81%	0	0	0.0%	1,900,096	2,778,684	-31.6%
TURKISH LIRA	0	0	0.0%	4	0	0.00%	0	0	0.0%	8	13	-38.5%
USDZAR	0	0	0.0%	4	0	0.00%	0	0	0.0%	49	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	657	568	15.67%	0	0	0.0%	1,939	1,077	80.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	99	362	-72.65%	0	0	0.0%	1,531	431	255.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	204	17	1,100.00%	0	0	0.0%	1,842	409	350.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	661	180	267.22%	0	0	0.0%	1,852	180	928.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	23	103	-77.7%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	44,003	69,324	-36.53%	0	0	0.0%	180,520	388,276	-53.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	136	2,925	-95.35%	0	0	0.0%	958	3,015	-68.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,219	1,685	-27.66%	0	0	0.0%	6,592	25,175	-73.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,831	3,777	-51.52%	0	0	0.0%	10,120	19,002	-46.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,287	3,000	9.57%	0	0	0.0%	14,211	19,283	-26.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,482	959	54.54%	0	0	0.0%	3,069	5,764	-46.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,077	1,139	-5.44%	0	0	0.0%	4,084	5,974	-31.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	517	820	-36.95%	0	0	0.0%	3,194	5,471	-41.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	133	321	-58.57%	0	0	0.0%	2,122	5,201	-59.2%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	541	1,573	-65.61%	0	0	0.0%	4,498	7,893	-43.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	1,023	-100.00%	0	0	0.0%	564	3,619	-84.4%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	640	17	3,664.71%	0	0	0.0%	1,626	106	1,434.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	692	105	559.05%	0	0	0.0%	3,524	506	596.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	674	0	0.00%	0	0	0.0%	2,639	101	2,512.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	305	259	17.76%	0	0	0.0%	1,261	391	222.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	343	12	2,758.33%	0	0	0.0%	2,028	246	724.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	612	102	500.0%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	52,852	47,592	11.05%	0	430	-100.0%	198,332	222,793	-11.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	13	5,844	-99.78%	0	0	0.0%	6,368	5,965	6.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,257	2,832	-55.61%	0	0	0.0%	11,770	28,900	-59.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,233	4,121	26.98%	0	0	0.0%	23,057	26,007	-11.3%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,908	7,529	-21.53%	0	0	0.0%	26,737	29,041	-7.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,968	822	382.73%	0	0	0.0%	9,870	11,430	-13.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	564	402	40.30%	0	0	0.0%	3,913	7,120	-45.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	661	741	-10.80%	0	0	0.0%	4,910	8,623	-43.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	599	2,204	-72.82%	0	0	0.0%	4,298	8,493	-49.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,078	2,350	-11.57%	0	0	0.0%	3,629	9,646	-62.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	3,914	-100.00%	0	0	0.0%	1,221	5,417	-77.5%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	7,136	1,884	278.77%	0	0	0.0%	17,358	15,858	9.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	20	35	-42.86%	0	0	0.0%	56	37	51.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	18	34	-47.06%	0	0	0.0%	672	659	2.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	678	84	707.14%	0	0	0.0%	1,154	690	67.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	420	36	1,066.67%	0	0	0.0%	1,877	515	264.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	17	1	1,600.00%	0	0	0.0%	22	842	-97.4%
EUR/GBP MONTHLY OPTIONS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	-	-	0	-		0	-	-	0	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	1,693	901	87.90%	0	0	0.0%	5,520	1,995	176.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,717	284	504.58%	0	0	0.0%	4,800	1,372	249.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	572	296	93.24%	0	0	0.0%	1,234	2,078	-40.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,540	646	138.39%	0	0	0.0%	8,210	1,763	365.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,587	1,609	-1.4%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	194,950	199,099	-2.08%	0	1,550	-100.0%	821,848	1,441,644	-43.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	200	10,098	-98.02%	0	0	0.0%	11,898	10,582	12.4%

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FX Options												
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,103	3,393	-38.02%	0	62	-100.0%	38,363	98,626	-61.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,337	11,259	53.98%	0	0	0.0%	79,841	95,798	-16.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,365	10,202	40.81%	0	0	0.0%	63,616	98,985	-35.7%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	17,252	847	1,936.84%	0	0	0.0%	33,497	23,277	43.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	10,706	1,511	608.54%	0	0	0.0%	25,806	37,468	-31.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,190	3,591	72.38%	0	0	0.0%	27,196	38,184	-28.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,597	3,127	206.91%	0	0	0.0%	29,516	33,972	-13.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,651	2,051	273.04%	0	0	0.0%	33,837	32,957	2.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	4,743	-100.00%	0	0	0.0%	5,639	14,285	-60.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	495	175	182.86%	0	0	0.0%	1,188	794	49.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,305	465	180.65%	0	0	0.0%	1,681	467	260.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	126	240	-47.50%	0	0	0.0%	1,103	529	108.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	922	-100.00%	0	0	0.0%	492	922	-46.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	400	401	-0.2%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	59,984	62,283	-3.69%	0	64	-100.0%	294,985	383,048	-23.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	21	2,898	-99.28%	0	0	0.0%	1,768	3,255	-45.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,335	967	38.06%	0	0	0.0%	8,483	16,204	-47.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,156	1,570	37.32%	0	0	0.0%	10,169	12,382	-17.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,625	2,273	15.49%	0	0	0.0%	11,427	16,194	-29.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,138	567	277.07%	0	0	0.0%	3,486	6,696	-47.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,343	1,711	36.94%	0	0	0.0%	4,450	9,312	-52.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	480	1,096	-56.20%	0	0	0.0%	3,385	3,692	-8.3%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	965	1,022	-5.58%	0	0	0.0%	2,720	7,107	-61.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,556	40	6,290.00%	0	0	0.0%	4,497	4,575	-1.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	787	-100.00%	0	0	0.0%	1,655	5,190	-68.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	276	69	300.00%	0	0	0.0%	1,637	2,268	-27.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	168	512	-67.19%	0	0	0.0%	1,075	1,209	-11.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	108	107	0.93%	0	0	0.0%	837	1,040	-19.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	754	-100.00%	0	0	0.0%	517	1,235	-58.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	313	152	105.9%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	60,374	120,860	-50.05%	0	727	-100.0%	311,907	696,640	-55.2%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3	5,570	-99.95%	0	0	0.0%	8,167	5,684	43.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,613	3,129	-48.45%	0	0	0.0%	17,094	58,830	-70.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,216	6,007	3.48%	0	0	0.0%	36,914	64,591	-42.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
FX Options												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,951	9,469	-26.59%	0	0	0.0%	30,549	53,033	-42.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,219	832	887.86%	0	0	0.0%	16,475	16,414	0.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,210	1,742	84.27%	0	0	0.0%	9,566	28,372	-66.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,024	1,806	67.44%	0	0	0.0%	11,199	20,759	-46.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,489	3,319	-25.01%	0	0	0.0%	8,977	26,603	-66.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,443	2,434	0.37%	0	0	0.0%	10,692	29,399	-63.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	2,070	-100.00%	0	0	0.0%	2,493	6,294	-60.4%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	294	259	13.51%	0	1,840	-100.0%	3,010	6,186	-51.3%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	1	-100.00%	0	0	0.0%	0	1	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	585	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	27	0	0.00%	0	0	0.0%	292	4,351	-93.3%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
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	0	0.00%	0	0	0.0%	0	375	-100.0%
NZD/USD WKLY FRIDAY OPTIO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RUB/USD MONTHLY OPTIONS	0	-	-	0	-		0	-	-	68	-	-
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	0	15	-100.00%	0	0	0.0%	4	75	-94.7%
Foreign Exchange Futures												
CHILEAN PESO	-	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 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	146	454	-67.84%	0	0	0.0%	2,793	3,716	-24.8%
Ag Products Futures												
BUTTER CS	0	0	0.0%	3,728	6,459	-42.28%	0	0	0.0%	17,134	30,276	-43.4%
CASH-SETTLED CHEESE	0	0	0.0%	12,592	16,060	-21.59%	0	0	0.0%	50,489	60,346	-16.3%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,138,635	1,202,083	-5.28%	0	2,592	-100.0%	4,928,557	6,450,742	-23.6%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	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	0	0.0%	3,618,888	2,677,485	35.16%	0	12,092	-100.0%	10,983,773	11,897,191	-7.7%
CLASS IV MILK	0	0	0.0%	724	2,252	-67.85%	0	65	-100.0%	2,442	13,947	-82.5%
COCOA TAS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	0	0.0%
CORN	0	0	0.0%	9,626,481	7,776,075	23.80%	0	18,145	-100.0%	32,247,797	29,489,108	9.4%
COTTON	0	0	0.0%	0	2	-100.00%	0	0	0.0%	0	15	-100.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	22	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	16,254	14,333	13.40%	0	0	0.0%	177,975	129,198	37.8%
DRY WHEY	0	0	0.0%	3,090	924	234.42%	0	0	0.0%	9,768	7,066	38.2%
FEEDER CATTLE	0	0	0.0%	286,364	227,851	25.68%	0	54	-100.0%	1,004,328	1,262,565	-20.5%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	9,364	17,991	-47.95%	0	0	0.0%	49,308	74,934	-34.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	44	-100.00%	0	0	0.0%	75	44	70.5%
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	0.00%	-	0	0.0%	-	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	25	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	867,015	1,193,560	-27.36%	0	1,940	-100.0%	3,686,747	4,896,767	-24.7%
HOUSING INDEX	0	0	0.0%	21	50	-58.00%	0	0	0.0%	51	183	-72.1%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	0	0.0%	1,351,615	1,213,901	11.34%	0	1,534	-100.0%	4,404,470	4,984,824	-11.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Futures												
LUMBER	0	0	0.0%	11,803	9,124	29.36%	0	0	0.0%	37,876	54,933	-31.1%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	24,403	40,565	-39.84%	0	59	-100.0%	97,079	134,528	-27.8%
MINI CORN	0	0	0.0%	83,753	31,965	162.01%	0	0	0.0%	257,023	79,232	224.4%
MINI SOYBEAN	0	0	0.0%	59,330	31,972	85.57%	0	0	0.0%	282,292	105,984	166.4%
MINI WHEAT	0	0	0.0%	23,436	18,988	23.43%	0	0	0.0%	78,286	50,777	54.2%
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%	5,377	8,989	-40.18%	0	0	0.0%	24,115	45,417	-46.9%
OATS	0	0	0.0%	11,763	9,221	27.57%	0	0	0.0%	37,605	48,537	-22.5%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
PORK CUTOUT	0	-	-	1,919	-		0	-	-	15,688	-	-
ROUGH RICE	0	0	0.0%	23,845	32,450	-26.52%	0	0	0.0%	64,938	110,582	-41.3%
SOYBEAN	0	0	0.0%	5,236,472	4,376,125	19.66%	0	10,769	-100.0%	19,468,082	18,421,637	5.7%
SOYBEAN MEAL	0	0	0.0%	2,521,276	2,135,765	18.05%	0	1,333	-100.0%	8,320,406	10,450,025	-20.4%
SOYBEAN OIL	0	0	0.0%	2,989,772	2,885,146	3.63%	0	4,078	-100.0%	11,143,114	12,100,398	-7.9%
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%	1,671	596	180.37%	0	0	0.0%	10,313	1,578	553.5%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
BUTTER CS	0	0	0.0%	2,484	3,057	-18.74%	0	212	-100.0%	10,763	17,110	-37.1%
CASH-SETTLED CHEESE	0	0	0.0%	5,681	14,776	-61.55%	0	7,734	-100.0%	36,684	47,631	-23.0%
CATTLE	0	0	0.0%	210,393	235,581	-10.69%	0	59,913	-100.0%	804,587	1,060,010	-24.1%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	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	-	-
CHI WHEAT	0	0	0.0%	615,547	629,315	-2.19%	0	202,275	-100.0%	1,916,853	2,559,801	-25.1%
CLASS IV MILK	0	0	0.0%	3,306	6,782	-51.25%	0	1,082	-100.0%	12,165	30,074	-59.5%
CORN	0	0	0.0%	3,771,920	1,738,458	116.97%	0	536,597	-100.0%	11,973,329	6,178,718	93.8%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	10,206	2,370	330.63%	0	14,975	-100.0%	31,295	4,350	619.4%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Options												
DEC-DEC CORN CAL SPRD	0	0	0.0%	200	728	-72.53%	0	250	-100.0%	200	728	-72.5%
DEC-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	175	-100.0%	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	0	0.0%	744	604	23.18%	0	119	-100.0%	1,234	2,574	-52.1%
FEEDER CATTLE	0	0	0.0%	27,214	24,717	10.10%	0	4,252	-100.0%	84,840	129,845	-34.7%
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%
HDD WEATHER EUROPEAN	0	-	-	0	-		0	-	-	0	-	-
HOGS	0	0	0.0%	157,997	317,867	-50.29%	0	34,430	-100.0%	718,015	1,337,531	-46.3%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	0	0	0.0%	2	243	-99.18%	0	7,987	-100.0%	268	268	0.0%
JAN-MAR SOYBEAN CSO	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC CORN CAL SPRD	0	0	0.0%	5,510	0	0.00%	0	11,810	-100.0%	19,485	4,510	332.0%
JULY-DEC SOYMEAL CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	50	1,220	-95.90%	0	1,520	-100.0%	100	1,365	-92.7%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	70	-100.00%	0	50	-100.0%	0	70	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	853	500	70.60%	0	4,950	-100.0%	1,427	1,602	-10.9%
KC WHEAT	0	0	0.0%	66,312	105,065	-36.88%	0	36,570	-100.0%	222,234	386,606	-42.5%
LUMBER	0	0	0.0%	883	641	37.75%	0	0	0.0%	3,152	4,755	-33.7%
LV CATL CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	505	-100.0%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	2,500	-100.0%	0	0	0.0%
MAR-JULY SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	25,424	66,071	-61.52%	0	3,323	-100.0%	116,874	189,146	-38.2%
MLK MID OPTIONS	0	0	0.0%	6	2	200.00%	0	31	-100.0%	9	13	-30.8%
NFD MILK	0	0	0.0%	3,464	8,205	-57.78%	0	494	-100.0%	15,589	40,594	-61.6%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	120	-100.00%	0	100	-100.0%	0	750	-100.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
OATS	0	0	0.0%	100	66	51.52%	0	720	-100.0%	455	686	-33.7%
PORK CUTOUT	0	-	-	76	-		0	-	-	630	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
Ag Products Options												
ROUGH RICE	0	0	0.0%	192	3,219	-94.04%	0	6,492	-100.0%	1,525	6,602	-76.9%
SOYBEAN	0	0	0.0%	1,691,834	836,912	102.15%	0	275,778	-100.0%	6,972,301	3,830,532	82.0%
SOYBEAN CRUSH	0	0	0.0%	326	347	-6.05%	0	830	-100.0%	861	347	148.1%
SOYBEAN MEAL	0	0	0.0%	225,618	212,135	6.36%	0	84,223	-100.0%	920,236	822,466	11.9%
SOYBEAN OIL	0	0	0.0%	337,691	134,643	150.80%	0	106,072	-100.0%	1,318,512	713,446	84.8%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	1,093	245	346.12%	0	335	-100.0%	6,821	545	1,151.6%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	200	-100.0%	0	0	0.0%
WHEAT	0	0	0.0%	625	404	54.70%	0	16	-100.0%	3,287	2,593	26.8%
WHEAT-CORN ICSD	0	0	0.0%	100	1,110	-90.99%	0	70	-100.0%	613	1,110	-44.8%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	74	396	-81.31%	0	1,251	-100.0%	1,491	926	61.0%
TOTAL FUTURES GROUP												
Interest Rate Futures	396,121	0	0.0%	107,679,849	95,283,862	13.0%	1,713,253	3,232,304	-47.0%	588,626,916	694,166,036	-15.2%
Equity Index Futures	0	0	0.0%	86,164,903	93,283,257	-7.6%	0	33,712	-100.0%	416,303,720	430,453,959	-3.3%
Metals Futures	0	0	0.0%	9,030,728	9,145,402	-1.3%	0	0	0.0%	45,621,473	55,792,872	-18.2%
Energy Futures	0	0	0.0%	33,925,080	61,702,151	-45.0%	0	0	0.0%	155,938,669	231,408,206	-32.6%
FX Futures	0	0	0.0%	13,312,781	11,474,052	16.0%	0	36	-100.0%	62,847,897	74,141,634	-15.2%
Ags Futures	0	0	0.0%	0	15	-100.0%	0	0	0.0%	4	75	-94.7%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	27,929,591	23,929,976	16.7%	0	52,661	-100.0%	97,399,755	100,900,859	-3.5%
TOTAL FUTURES	396,121	0	0.0%	278,042,932	294,818,715	-5.7%	1,713,253	3,318,713	-48.4%	1,366,738,434	1,586,863,641	-13.9%
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	11,110,512	12,315,202	-9.8%	0	1,658,011	-100.0%	50,593,859	72,812,949	-30.5%
Interest Rate Options	12,266,316	0	0.0%	22,824,964	40,141,085	-43.1%	52,300,148	73,045,459	-28.4%	108,234,359	175,112,069	-38.2%
Metals Options	0	0	0.0%	755,991	972,695	-22.3%	0	0	0.0%	4,010,715	6,403,227	-37.4%
Energy Options	0	0	0.0%	2,399,879	4,425,154	-45.8%	0	0	0.0%	12,143,602	18,911,640	-35.8%
FX Options	0	0	0.0%	597,740	656,495	-8.9%	0	4,673	-100.0%	2,580,132	4,303,845	-40.1%
Ag Products Options	0	0	0.0%	7,165,925	4,345,869	64.9%	0	1,407,841	-100.0%	25,195,835	17,377,304	45.0%
Foreign Exchange Options	0	0	0.0%	146	454	-67.8%	0	0	0.0%	2,793	3,716	-24.8%
TOTAL OPTIONS	12,266,316	0	0.0%	44,855,157	62,856,954	-28.6%	52,300,148	76,115,984	-31.3%	202,761,295	294,924,750	-31.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2021	Open Outcry APR 2020	% CHG	ELEC APR 2021	ELEC APR 2020	% CHG	Open Outcry Y.T.D 2021	Open Outcry Y.T.D 2020	% CHG	ELEC Y.T.D 2021	ELEC Y.T.D 2020	% CHG
TOTAL COMBINED												
Interest Rate	12,662,437	0	0.0%	130,504,813	135,424,947	-3.6%	54,013,401	76,277,763	-29.2%	696,861,275	869,278,105	-19.8%
Equity Index	0	0	0.0%	97,275,415	105,598,459	-7.9%	0	1,691,723	-100.0%	466,897,579	503,266,908	-7.2%
Metals	0	0	0.0%	9,786,719	10,118,097	-3.3%	0	0	0.0%	49,632,188	62,196,099	-20.2%
Energy	0	0	0.0%	36,324,959	66,127,305	-45.1%	0	0	0.0%	168,082,271	250,319,846	-32.9%
FX	0	0	0.0%	13,910,521	12,130,547	14.7%	0	4,709	-100.0%	65,428,029	78,445,479	-16.6%
Ags	0	0	0.0%	0	15	-100.0%	0	0	0.0%	4	75	-94.7%
Foreign Exchange	0	0	0.0%	146	454	-67.8%	0	0	0.0%	2,793	3,716	-24.8%
Ag Products	0	0	0.0%	35,095,516	28,275,845	24.1%	0	1,460,502	-100.0%	122,595,590	118,278,163	3.7%
GRAND TOTAL	12,662,437	0	0.0%	322,898,089	357,675,669	-9.7%	54,013,401	79,434,697	-32.0%	1,569,499,729	1,881,788,391	-16.6%

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