



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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	187,669	-100.0%	40,590,879	41,613,536	-2.46%	469,469	1,648,119	-71.5%	372,135,743	406,395,239	-8.4%
10-YR SWAP RATE	0	0	0.0%	26,222	29,567	-11.31%	0	0	0.0%	477,646	442,424	8.0%
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	46	-100.00%	0	0	0.0%	826	450	83.6%
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	46	-100.0%
2-YR NOTE	0	9,549	-100.0%	11,012,955	21,065,881	-47.72%	261	42,468	-99.4%	112,770,121	156,267,014	-27.8%
2-YR SWAP RATE	0	0	0.0%	65,442	9,039	624.00%	0	0	0.0%	154,567	452,114	-65.8%
30-YR BOND	0	22,639	-100.0%	11,060,181	8,196,750	34.93%	55,491	223,925	-75.2%	86,126,182	80,135,693	7.5%
30-YR SWAP RATE	0	0	0.0%	0	134	-100.00%	0	0	0.0%	822	6,520	-87.4%
3-YR NOTE	0	-	-	135,728	-	-	0	-	-	513,528	-	-
3-YR SWAP RATE	0	0	0.0%	893	1,906	-53.15%	0	0	0.0%	24,812	159,690	-84.5%
4-YR SWAP RATE	0	0	0.0%	530	518	2.32%	0	0	0.0%	14,252	90,774	-84.3%
5-YR NOTE	0	42,539	-100.0%	25,255,430	29,589,022	-14.65%	87,402	498,074	-82.5%	218,747,604	260,472,472	-16.0%
5-YR SWAP RATE	0	0	0.0%	38,975	40,110	-2.83%	0	0	0.0%	542,581	785,167	-30.9%
7-YR SWAP RATE	0	0	0.0%	1,662	2,267	-26.69%	0	0	0.0%	18,140	39,858	-54.5%
EURODOLLARS	193,976	362,113	-46.4%	38,919,135	35,682,857	9.07%	3,139,858	7,964,427	-60.6%	468,494,430	632,422,152	-25.9%
FED FUND	0	0	0.0%	1,299,793	5,066,423	-74.34%	0	0	0.0%	49,884,780	84,542,531	-41.0%
SOFR	0	0	0.0%	1,689,834	924,136	82.86%	0	0	0.0%	10,905,979	7,875,192	38.5%
SONIA	0	0	0.0%	201,932	209,204	-3.48%	0	0	0.0%	1,875,376	2,016,193	-7.0%
Ultra 10-Year Note	0	0	0.0%	7,586,745	5,958,047	27.34%	0	0	0.0%	57,765,677	52,146,463	10.8%
ULTRA T-BOND	0	0	0.0%	6,068,594	5,457,325	11.20%	0	66	-100.0%	45,485,185	41,948,257	8.4%

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Interest Rate Options												
10-YR NOTE	0	2,709,517	-100.0%	9,632,619	10,946,459	-12.00%	8,489,760	27,719,665	-69.4%	107,877,260	124,629,492	-13.4%
2-YR NOTE	0	183,175	-100.0%	19,289	355,694	-94.58%	273,359	1,695,956	-83.9%	1,767,678	3,973,074	-55.5%
30-YR BOND	0	296,453	-100.0%	3,229,407	2,715,956	18.90%	891,042	3,508,444	-74.6%	27,469,654	29,726,965	-7.6%
5-YR NOTE	0	869,606	-100.0%	1,442,434	3,064,123	-52.93%	2,424,616	10,242,618	-76.3%	26,739,980	40,483,826	-33.9%
EURODOLLARS	2,716,933	8,149,556	-66.7%	1,968,878	5,745,137	-65.73%	55,478,560	147,855,872	-62.5%	104,682,293	89,317,648	17.2%
EURO MIDCURVE	3,973,344	3,794,739	4.7%	2,736,925	2,964,895	-7.69%	24,262,777	70,607,549	-65.6%	49,043,538	56,778,884	-13.6%
FED FUND	0	200	-100.0%	1	764	-99.87%	3,100	56,710	-94.5%	7,822	21,212	-63.1%
SOFR	0	-	-	2,002	-	-	10	-	-	3,114	-	-
Ultra 10-Year Note	0	6,793	-100.0%	0	1	-100.00%	13,035	28,604	-54.4%	2,965	5,329	-44.4%
ULTRA T-BOND	0	37,683	-100.0%	621	571	8.76%	10,870	239,157	-95.5%	3,650	15,681	-76.7%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	227,260	105,032	116.37%	0	0	0.0%	1,969,054	1,493,780	31.8%
DJ US REAL ESTATE	0	0	0.0%	25,156	15,929	57.93%	0	0	0.0%	378,596	268,250	41.1%
E-mini (\$5) Dow	0	0	0.0%	3,677,397	2,710,321	35.68%	0	0	0.0%	55,867,239	46,728,138	19.6%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,801	1,182	52.37%	0	0	0.0%	25,584	26,668	-4.1%
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	0	0.00%	0	0	0.0%	2	711	-99.7%
E-MINI MIDCAP	0	0	0.0%	248,875	209,294	18.91%	0	0	0.0%	3,927,025	3,537,531	11.0%
E-MINI NASDAQ 100	0	0	0.0%	10,297,922	6,712,979	53.40%	0	0	0.0%	135,971,821	106,516,040	27.7%
E-MINI RUSSELL 1000	0	0	0.0%	1,413	2,527	-44.08%	0	0	0.0%	36,264	36,799	-1.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,899	1,872	1.44%	0	0	0.0%	31,075	36,040	-13.8%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	6,017	4,515	33.27%	0	0	0.0%	65,214	76,185	-14.4%
E-MINI RUSSELL 2000	0	0	0.0%	3,378,877	2,180,719	54.94%	0	0	0.0%	46,376,740	32,764,266	41.5%
E-MINI S&P500	0	0	0.0%	31,006,802	22,770,486	36.17%	0	0	0.0%	465,600,703	357,880,926	30.1%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	1,931	5,338	-63.83%	0	0	0.0%	51,775	42,269	22.5%
FT-SE 100	0	0	0.0%	8	0	0.00%	0	0	0.0%	8	372	-97.8%
FTSE Emerging	0	0	0.0%	30	1,814	-98.35%	0	0	0.0%	4,773	23,214	-79.4%
IBOVESPA INDEX	0	0	0.0%	143	702	-79.63%	0	0	0.0%	4,481	7,638	-41.3%
MICRO E-MINI NASDAQ 100	0	0	0.0%	20,097,956	3,114,249	545.35%	0	0	0.0%	162,255,471	28,582,787	467.7%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,719,147	483,543	255.53%	0	0	0.0%	21,689,769	4,450,282	387.4%

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Equity Index Futures												
MICRO E-MINI S&P500	0	0	0.0%	20,549,363	3,491,980	488.47%	0	0	0.0%	210,490,517	38,748,456	443.2%
MICRO MINI \$5 DOW	0	0	0.0%	2,922,025	637,607	358.28%	0	0	0.0%	29,864,153	7,113,183	319.8%
NASDAQ BIOTECH	0	0	0.0%	325	196	65.82%	0	0	0.0%	5,270	3,743	40.8%
Nearby BTIC+	0	0	0.0%	0	10	-100.00%	0	0	0.0%	200	34	488.2%
NIFTY 50	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	152,649	140,500	8.65%	0	0	0.0%	2,125,179	2,373,478	-10.5%
NIKKEI 225 (YEN) STOCK	0	90	-100.0%	815,551	625,406	30.40%	0	318	-100.0%	10,596,435	8,906,574	19.0%
S&P 500	0	4,365	-100.0%	339	477	-28.93%	33,712	225,377	-85.0%	20,841	16,787	24.1%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	16,646	8,023	107.48%	0	0	0.0%	245,022	102,524	139.0%
S&P 500/GI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	60	-100.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	1,084	195	455.90%	0	0	0.0%	9,639	2,017	377.9%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	17	-100.0%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	7,998	3,560	124.66%	0	0	0.0%	79,678	71,408	11.6%
S&P CONSUMER STAPLES SE	0	0	0.0%	7,673	4,050	89.46%	0	0	0.0%	127,901	108,695	17.7%
S&P ENERGY SECTOR	0	0	0.0%	28,063	6,588	325.97%	0	0	0.0%	213,383	121,342	75.9%
S&P FINANCIAL SECTOR	0	0	0.0%	21,087	8,122	159.63%	0	0	0.0%	197,034	189,015	4.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	14,152	6,478	118.46%	0	0	0.0%	140,670	117,480	19.7%
S&P INDUSTRIAL SECTOR	0	0	0.0%	9,992	5,184	92.75%	0	0	0.0%	99,632	85,870	16.0%
S&P MATERIALS SECTOR	0	0	0.0%	5,654	3,321	70.25%	0	0	0.0%	56,701	60,052	-5.6%
S&P TECHNOLOGY SECTOR	0	0	0.0%	8,636	5,282	63.50%	0	0	0.0%	117,702	103,481	13.7%
S&P UTILITIES SECTOR	0	0	0.0%	10,080	8,536	18.09%	0	0	0.0%	151,274	167,210	-9.5%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	72	-100.0%
YEN DENOMINATED TOPIX	0	0	0.0%	5,783	15,997	-63.85%	0	0	0.0%	76,188	207,748	-63.3%

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Equity Index Options												
BITCOIN FUTURES	0	-	-	2,135	-		0	-	-	16,550	-	-
E-mini (\$5) Dow	0	0	0.0%	1,903	2,089	-8.90%	0	0	0.0%	31,768	44,465	-28.6%
E-MINI NASDAQ 100	0	0	0.0%	310,188	119,440	159.70%	0	0	0.0%	3,766,687	2,218,686	69.8%
E-MINI RUSSELL 2000	0	0	0.0%	37,651	24,331	54.74%	0	0	0.0%	213,671	178,755	19.5%
E-MINI S&P500	0	0	0.0%	5,314,982	4,897,096	8.53%	250	600	-58.3%	78,809,682	59,967,889	31.4%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	7,807	7,910	-1.30%	0	0	0.0%	97,013	95,530	1.6%
EOM EMINI S&P	0	0	0.0%	1,242,723	1,491,525	-16.68%	0	0	0.0%	21,878,208	21,069,390	3.8%
EOM S&P 500	0	119,848	-100.0%	432	0	0.00%	303,360	1,287,013	-76.4%	4,821	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	3,422	2,869	19.28%	0	0	0.0%	47,879	38,060	25.8%
EOW1 EMINI S&P 500	0	0	0.0%	1,031,094	501,437	105.63%	0	0	0.0%	11,630,596	10,676,615	8.9%
EOW1 S&P 500	0	69,677	-100.0%	21,374	0	0.00%	157,788	808,221	-80.5%	64,253	0	0.0%
EOW2 E-MINI RUSSELL 2000 W	0	0	0.0%	5,706	3,279	74.02%	0	0	0.0%	72,435	54,275	33.5%
EOW2 EMINI S&P 500	0	0	0.0%	1,006,131	690,578	45.69%	0	0	0.0%	11,932,876	10,973,085	8.7%
EOW2 S&P 500	0	133,008	-100.0%	21,141	0	0.00%	252,530	1,427,699	-82.3%	68,445	0	0.0%
EOW3 E-MINI RUSSELL 2000 W	0	0	0.0%	15,471	13,752	12.50%	0	0	0.0%	190,609	165,851	14.9%
EOW3 EMINI S&P 500	0	0	0.0%	1,755,216	1,606,088	9.29%	0	0	0.0%	26,150,593	25,870,467	1.1%
EOW3 S&P 500	0	85,636	-100.0%	25,435	0	0.00%	266,271	1,367,778	-80.5%	96,178	0	0.0%
EOW4 E-MINI RUSSELL 2000 W	0	0	0.0%	4,009	2,748	45.89%	0	0	0.0%	40,501	35,714	13.4%
EOW4 EMINI S&P 500	0	0	0.0%	516,251	872,103	-40.80%	0	0	0.0%	9,681,558	9,496,737	1.9%
EOW4 S&P 500	0	-	-	14,595	-		0	-	-	76,723	-	-
MICRO E-MINI NASDAQ 100	0	-	-	956	-		0	-	-	4,379	-	-
MICRO E-MINI S&P500	0	-	-	18,680	-		0	-	-	64,255	-	-
S&P 500	0	216,652	-100.0%	560	0	0.00%	677,812	2,527,599	-73.2%	8,473	0	0.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	2,985	3,878	-23.03%	0	0	0.0%	46,700	19,914	134.5%
COMEX COPPER	0	0	0.0%	2,189,501	2,107,219	3.90%	0	0	0.0%	22,592,578	22,177,136	1.9%
COMEX E-Mini GOLD	0	0	0.0%	26,345	22,811	15.49%	0	0	0.0%	362,461	225,803	60.5%
COMEX E-Mini SILVER	0	0	0.0%	5,293	2,484	113.08%	0	0	0.0%	99,922	47,531	110.2%
COMEX GOLD	0	0	0.0%	6,004,279	8,674,886	-30.79%	0	0	0.0%	72,029,801	78,639,711	-8.4%
COMEX MINY COPPER	0	0	0.0%	2,142	497	330.99%	0	0	0.0%	11,907	7,129	67.0%
COMEX SILVER	0	0	0.0%	2,115,311	2,277,208	-7.11%	0	0	0.0%	24,007,452	22,093,704	8.7%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	2,142	438	389.04%	0	0	0.0%	12,691	5,019	152.9%
GOLD	0	0	0.0%	4,375	19,681	-77.77%	0	0	0.0%	77,275	35,351	118.6%
Gold Kilo	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL FUT	0	-	-	614	-	-	0	-	-	666	-	-
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%	209	28	646.4%
IRON ORE CHINA	0	-	-	0	-	-	0	-	-	0	-	-
LNDN ZINC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,230	-100.0%
METALS	0	-	-	0	-	-	0	-	-	0	-	-
MICRO GOLD	0	0	0.0%	1,588,687	692,043	129.56%	0	0	0.0%	20,183,639	5,194,918	288.5%
NYMEX HOT ROLLED STEEL	0	0	0.0%	4,373	1,390	214.60%	0	0	0.0%	48,958	33,319	46.9%
NYMEX PLATINUM	0	0	0.0%	272,225	389,538	-30.12%	0	0	0.0%	3,953,565	5,098,036	-22.4%
PALLADIUM	0	0	0.0%	56,957	127,650	-55.38%	0	0	0.0%	621,104	1,145,883	-45.8%
SILVER	0	0	0.0%	238,618	54,536	337.54%	0	0	0.0%	2,147,327	326,664	557.4%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	55	412	-86.7%

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Metals Options												
ALUMINUM	0	-	-	0	-		0	-	-	0	-	-
COMEX COPPER	0	0	0.0%	17,712	37,385	-52.62%	0	0	0.0%	262,908	471,817	-44.3%
COMEX GOLD	0	0	0.0%	811,693	789,341	2.83%	0	0	0.0%	9,780,721	10,966,996	-10.8%
COMEX SILVER	0	0	0.0%	131,066	146,389	-10.47%	0	0	0.0%	1,883,937	1,834,577	2.7%
COPPER	0	0	0.0%	4	920	-99.57%	0	0	0.0%	2,679	3,292	-18.6%
GOLD	0	0	0.0%	129,584	147,379	-12.07%	0	0	0.0%	1,530,106	1,427,537	7.2%
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%	239	674	-64.54%	0	0	0.0%	5,648	15,019	-62.4%
PALLADIUM	0	0	0.0%	46	508	-90.94%	0	0	0.0%	1,452	6,534	-77.8%
SILVER	0	0	0.0%	4,022	8,749	-54.03%	0	0	0.0%	93,356	69,747	33.8%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%	1,805,264	1,729,275	4.39%	0	0	0.0%	24,083,190	23,349,524	3.1%
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%	116	0	0.00%	0	0	0.0%	382	509	-25.0%
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%	60	0	0.00%	0	0	0.0%	120	144	-16.7%
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	50	-100.0%
CRUDE OIL PHY	0	0	0.0%	17,317,105	18,672,804	-7.26%	0	0	0.0%	253,153,910	266,946,779	-5.2%
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%	26,878	25,146	6.89%	0	0	0.0%	317,595	126,780	150.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%
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%	239	3,618	-93.39%	0	0	0.0%	12,694	76,685	-83.4%
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%	32	84	-61.90%	0	0	0.0%	318	1,228	-74.1%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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 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	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%	0	811	-100.00%	0	0	0.0%	8,776	23,953	-63.4%
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 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	2	-100.0%
GULF COAST ULSD CALEND	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%	3,221,236	3,689,352	-12.69%	0	0	0.0%	38,848,413	36,916,115	5.2%
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	0	0.00%	0	0	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%
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%	0	0	0.00%	0	0	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%
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%	213,754	158,979	34.45%	0	0	0.0%	2,017,907	1,712,953	17.8%
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	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	1,152	1,057	8.99%	0	0	0.0%	9,235	6,802	35.8%
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	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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 HTG OIL	0	0	0.0%	3	4	-25.00%	0	0	0.0%	55	36	52.8%
MINY NATURAL GAS	0	0	0.0%	151,621	58,117	160.89%	0	0	0.0%	1,414,476	385,549	266.9%
MINY RBOB GAS	0	0	0.0%	8	6	33.33%	0	0	0.0%	78	69	13.0%
MINY WTI CRUDE OIL	0	0	0.0%	300,288	358,951	-16.34%	0	0	0.0%	6,555,526	5,161,441	27.0%
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%	0	0	0.00%	0	0	0.0%	25	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%	14	6	133.33%	0	0	0.0%	174	118	47.5%
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	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	36,152	32,571	10.99%	0	0	0.0%	535,723	424,009	26.3%
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%	8,356,144	9,695,989	-13.82%	0	0	0.0%	109,316,601	91,185,560	19.9%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%
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%	38	19	100.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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 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 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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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 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	0	0.00%	0	0	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%	3,208,107	3,413,095	-6.01%	0	0	0.0%	41,165,644	43,782,445	-6.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%
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%	1,815	295	515.25%	0	0	0.0%	3,939	6,339	-37.9%
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	1,800	-100.0%
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%	9,062	58,679	-84.56%	0	0	0.0%	150,612	684,795	-78.0%
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%	22,100	2,900	662.07%	0	0	0.0%	89,221	90,787	-1.7%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	3	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%	2,061,452	1,726,287	19.42%	0	0	0.0%	23,823,867	25,709,047	-7.3%
ELEC FINSETTLED	0	-	-	0	-	-	0	-	-	0	-	-
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-	-	0	-	-	0	-	-
HEATING OIL PHY	0	0	0.0%	1,857	6,176	-69.93%	0	0	0.0%	33,957	50,872	-33.3%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	94	-78.7%
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%	1,515	10,902	-86.10%	0	0	0.0%	4,666	39,375	-88.1%
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%	4,827	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%	1,170,922	1,450,250	-19.26%	0	0	0.0%	14,787,144	11,418,550	29.5%
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%	17	23	-26.09%	0	0	0.0%	724	443	63.4%
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%	0	17	-100.00%	0	0	0.0%	11	41	-73.2%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
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%	2,823	2,545	10.92%	0	0	0.0%	29,840	37,536	-20.5%
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	1	-100.00%	0	0	0.0%	0	44	-100.0%
SHORT TERM NATURAL GAS	0	0	0.0%	0	4	-100.00%	0	0	0.0%	0	88	-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%	0	1,400	-100.00%	0	0	0.0%	17,102	39,105	-56.3%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,200	8,600	-86.0%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	6	6	0.00%	0	0	0.0%	86	148	-41.9%
AD/JY CROSS RATES	0	0	0.0%	1,903	980	94.18%	0	0	0.0%	27,259	27,663	-1.5%
AD/NE CROSS RATES	0	0	0.0%	141	200	-29.50%	0	0	0.0%	2,881	1,666	72.9%
AUSTRALIAN DOLLAR	0	0	0.0%	1,958,494	1,756,359	11.51%	0	0	0.0%	23,510,043	22,822,746	3.0%
BP/JY CROSS RATES	0	0	0.0%	1,819	1,255	44.94%	0	0	0.0%	33,619	32,819	2.4%
BP/SF CROSS RATES	0	0	0.0%	218	274	-20.44%	0	0	0.0%	4,246	4,337	-2.1%
BRAZIL REAL	0	0	0.0%	207,128	191,498	8.16%	0	0	0.0%	2,095,915	1,506,377	39.1%
BRITISH POUND	0	0	0.0%	1,888,471	1,726,501	9.38%	0	3	-100.0%	24,521,084	27,176,648	-9.8%
CANADIAN DOLLAR	0	0	0.0%	1,377,159	1,345,582	2.35%	0	3	-100.0%	17,526,982	17,999,702	-2.6%
CD/JY CROSS RATES	0	0	0.0%	10	9	11.11%	0	0	0.0%	408	140	191.4%
CHINESE RENMINBI (CNH)	0	0	0.0%	38,169	26,102	46.23%	0	0	0.0%	241,584	309,098	-21.8%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	26	30	-13.3%
CZECK KORUNA (US)	0	0	0.0%	1	0	0.00%	0	0	0.0%	2	0	0.0%
EC/AD CROSS RATES	0	0	0.0%	2,507	3,639	-31.11%	0	0	0.0%	62,432	49,579	25.9%
EC/CD CROSS RATES	0	0	0.0%	1,757	920	90.98%	0	0	0.0%	46,014	32,882	39.9%
EC/NOK CROSS RATES	0	0	0.0%	71	359	-80.22%	0	0	0.0%	1,836	5,582	-67.1%
EC/SEK CROSS RATES	0	0	0.0%	415	322	28.88%	0	0	0.0%	6,277	6,932	-9.4%
EFX/BP CROSS RATES	0	0	0.0%	34,832	49,502	-29.64%	0	0	0.0%	693,143	1,016,373	-31.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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												
EFX/JY CROSS RATES	0	0	0.0%	25,636	42,060	-39.05%	0	0	0.0%	594,310	727,115	-18.3%
EFX/SF CROSS RATES	0	0	0.0%	11,568	20,813	-44.42%	0	0	0.0%	363,535	369,304	-1.6%
E-MINI EURO FX	0	0	0.0%	142,402	50,501	181.98%	0	0	0.0%	1,698,916	1,005,082	69.0%
E-MINI JAPANESE YEN	0	0	0.0%	14,523	18,070	-19.63%	0	0	0.0%	223,803	191,472	16.9%
EURO FX	0	0	0.0%	3,346,256	2,970,600	12.65%	36	60	-40.0%	49,285,288	46,476,529	6.0%
HUNGARIAN FORINT (EC)	0	0	0.0%	2	0	0.00%	0	0	0.0%	11	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	9	4	125.00%	0	0	0.0%	112	16	600.0%
INDIAN RUPEE	0	0	0.0%	21,875	27,180	-19.52%	0	0	0.0%	280,497	715,615	-60.8%
JAPANESE YEN	0	0	0.0%	2,066,413	2,294,184	-9.93%	0	2	-100.0%	26,284,495	29,426,507	-10.7%
KOREAN WON	0	0	0.0%	795	187	325.13%	0	0	0.0%	6,729	3,228	108.5%
MEXICAN PESO	0	0	0.0%	1,207,315	931,688	29.58%	0	0	0.0%	13,188,884	13,561,352	-2.7%
MICRO AUD/USD	0	0	0.0%	257,836	74,851	244.47%	0	0	0.0%	2,708,508	1,126,116	140.5%
MICRO CAD/USD	0	0	0.0%	37,316	12,542	197.53%	0	0	0.0%	327,754	184,774	77.4%
MICRO CHF/USD	0	0	0.0%	10,602	4,925	115.27%	0	0	0.0%	51,945	35,838	44.9%
MICRO EUR/USD	0	0	0.0%	520,989	138,015	277.49%	0	0	0.0%	5,431,989	2,485,195	118.6%
MICRO GBP/USD	0	0	0.0%	86,763	57,698	50.37%	0	0	0.0%	780,251	586,598	33.0%
MICRO INR/USD	0	0	0.0%	1,903	3,231	-41.10%	0	0	0.0%	23,861	52,594	-54.6%
MICRO JPY/USD	0	0	0.0%	28,052	15,738	78.24%	0	0	0.0%	319,638	302,621	5.6%
NEW ZEALND DOLLAR	0	0	0.0%	538,005	509,890	5.51%	0	0	0.0%	6,731,094	6,247,719	7.7%
NKR/USD CROSS RATE	0	0	0.0%	3,287	3,712	-11.45%	0	0	0.0%	48,102	51,150	-6.0%
POLISH ZLOTY (EC)	0	0	0.0%	6	0	0.00%	0	0	0.0%	592	452	31.0%
POLISH ZLOTY (US)	0	0	0.0%	462	273	69.23%	0	0	0.0%	8,750	1,378	535.0%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	4	9	-55.6%
RUSSIAN RUBLE	0	0	0.0%	103,008	25,449	304.76%	0	0	0.0%	1,220,413	749,242	62.9%
S.AFRICAN RAND	0	0	0.0%	53,693	41,604	29.06%	0	0	0.0%	834,454	565,774	47.5%
SF/JY CROSS RATES	0	0	0.0%	17	10	70.00%	0	0	0.0%	251	35	617.1%
SHEKEL	0	0	0.0%	1	7	-85.71%	0	0	0.0%	114	20	470.0%
SKR/USD CROSS RATES	0	0	0.0%	3,273	2,693	21.54%	0	0	0.0%	43,252	29,874	44.8%
SWISS FRANC	0	0	0.0%	436,136	532,279	-18.06%	0	0	0.0%	6,255,801	6,313,518	-0.9%
TURKISH LIRA	0	0	0.0%	8	9	-11.11%	0	0	0.0%	96	79	21.5%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry NOV 2020	Open Outcry NOV 2019	% CHG	ELEC NOV 2020	ELEC NOV 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 MONDAY OPTION W	0	-	-	45	-	-	0	-	-	3,571	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	1,683	-	-
AUD/USD MONDAY OPTION W	0	-	-	400	-	-	0	-	-	2,940	-	-
AUD/USD MONDAY OPTION W	0	-	-	0	-	-	0	-	-	2,341	-	-
AUD/USD MONDAY OPTION W	0	-	-	76	-	-	0	-	-	798	-	-
AUD/USD MONTHLY OPTIONS	0	20	-100.0%	53,880	53,252	1.18%	0	20	-100.0%	778,291	756,749	2.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	293	-100.00%	0	0	0.0%	5,583	21,655	-74.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,748	3,362	-18.26%	0	0	0.0%	41,344	62,001	-33.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,173	3,442	-7.82%	0	0	0.0%	38,909	68,938	-43.6%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,576	4,847	-26.22%	0	0	0.0%	43,252	71,871	-39.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	3,308	-100.00%	0	0	0.0%	17,321	19,848	-12.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	876	1,466	-40.25%	0	0	0.0%	13,867	18,378	-24.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	3,320	1,419	133.97%	0	0	0.0%	16,206	18,660	-13.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	492	709	-30.61%	0	0	0.0%	8,482	8,847	-4.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,785	2,068	-13.68%	0	0	0.0%	15,325	15,333	-0.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,691	5,187	9.7%
BRITISH POUND (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	8	1,093	-99.27%	0	0	0.0%	685	1,821	-62.4%
CAD/USD MONDAY OPTIONS	0	-	-	10	-	-	0	-	-	3,165	-	-
CAD/USD MONDAY OPTIONS	0	-	-	370	-	-	0	-	-	2,323	-	-
CAD/USD MONDAY OPTIONS	0	-	-	615	-	-	0	-	-	8,824	-	-
CAD/USD MONDAY OPTIONS	0	-	-	0	-	-	0	-	-	5,272	-	-
CAD/USD MONDAY OPTIONS	0	-	-	350	-	-	0	-	-	3,435	-	-
CAD/USD MONTHLY OPTIONS	0	245	-100.0%	34,590	51,587	-32.95%	430	1,314	-67.3%	507,625	575,073	-11.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	702	-100.00%	0	0	0.0%	12,433	36,274	-65.7%
CAD/USD WKLY FRIDAY OPTIC	0	10	-100.0%	2,803	4,651	-39.73%	0	10	-100.0%	67,216	69,989	-4.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,358	6,163	-13.06%	0	0	0.0%	69,403	100,230	-30.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,564	11,005	-58.53%	0	0	0.0%	76,116	109,988	-30.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	11,860	-100.00%	0	0	0.0%	30,313	36,224	-16.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,446	4,564	-68.32%	0	0	0.0%	24,067	33,690	-28.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	361	3,825	-90.56%	0	0	0.0%	17,948	36,556	-50.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,494	2,769	-46.05%	0	0	0.0%	20,275	32,787	-38.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	853	4,488	-80.99%	0	0	0.0%	25,321	31,162	-18.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	8,199	10,464	-21.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
CANADIAN DOLLAR (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	4,306	6,670	-35.44%	0	0	0.0%	40,271	31,921	26.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	139	186	-25.3%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	485	405	19.75%	0	0	0.0%	2,243	2,762	-18.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	253	69	266.67%	0	0	0.0%	1,295	1,834	-29.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4	62	-93.55%	0	0	0.0%	1,449	1,539	-5.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,824	613	197.6%
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	-	-	1,255	-	-	0	-	-	18,616	-	-
EUR/USD MONDAY OPTION W	0	-	-	2,515	-	-	0	-	-	15,986	-	-
EUR/USD MONDAY OPTION W	0	-	-	599	-	-	0	-	-	19,954	-	-
EUR/USD MONDAY OPTION W	0	-	-	350	-	-	0	-	-	21,098	-	-
EUR/USD MONDAY OPTION W	0	-	-	2,599	-	-	0	-	-	9,785	-	-
EUR/USD MONTHLY OPTIONS	0	244	-100.0%	208,347	205,857	1.21%	1,550	9,481	-83.7%	2,972,486	3,819,537	-22.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	153	1,806	-91.53%	0	0	0.0%	29,312	110,935	-73.6%
EUR/USD WKLY FRIDAY OPTIC	0	15	-100.0%	21,209	7,099	198.76%	62	15	313.3%	204,334	268,621	-23.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	11,503	14,403	-20.13%	0	0	0.0%	217,979	316,763	-31.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,357	17,994	-9.10%	0	0	0.0%	236,331	363,573	-35.0%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	18,007	-100.00%	0	0	0.0%	78,886	99,598	-20.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,293	11,061	-34.07%	0	0	0.0%	107,155	138,746	-22.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,872	8,816	-22.05%	0	0	0.0%	86,505	133,939	-35.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,121	8,099	-36.77%	0	0	0.0%	85,748	135,254	-36.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,030	9,478	-36.38%	0	0	0.0%	83,543	150,169	-44.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	34,150	39,185	-12.8%
GBP/USD MONDAY OPTION W	0	-	-	39	-	-	0	-	-	6,637	-	-
GBP/USD MONDAY OPTION W	0	-	-	1,364	-	-	0	-	-	5,072	-	-
GBP/USD MONDAY OPTION W	0	-	-	3,328	-	-	0	-	-	9,239	-	-
GBP/USD MONDAY OPTION W	0	-	-	2,850	-	-	0	-	-	12,052	-	-
GBP/USD MONDAY OPTION W	0	-	-	379	-	-	0	-	-	1,814	-	-
GBP/USD MONTHLY OPTIONS	0	0	0.0%	76,183	74,304	2.53%	64	906	-92.9%	939,209	1,326,180	-29.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	7	-100.00%	0	0	0.0%	9,487	29,987	-68.4%
GBP/USD WKLY FRIDAY OPTIC	0	20	-100.0%	2,925	2,447	19.53%	0	36	-100.0%	38,065	65,470	-41.9%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,793	1,590	138.55%	0	0	0.0%	43,788	92,885	-52.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,336	2,985	-21.74%	0	0	0.0%	36,077	88,599	-59.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	3,551	-100.00%	0	0	0.0%	16,262	29,301	-44.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,457	758	224.14%	0	0	0.0%	19,120	23,045	-17.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,380	3,565	-33.24%	0	0	0.0%	11,554	27,528	-58.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,730	576	373.96%	0	0	0.0%	18,201	26,419	-31.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	587	208	182.21%	0	0	0.0%	13,097	23,583	-44.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,180	8,595	-16.5%
JAPANESE YEN (EU)	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JPY/USD MONDAY OPTION WE	0	-	-	0	-	-	0	-	-	8,895	-	-
JPY/USD MONDAY OPTION WE	0	-	-	1,905	-	-	0	-	-	13,069	-	-
JPY/USD MONDAY OPTION WE	0	-	-	782	-	-	0	-	-	8,368	-	-
JPY/USD MONDAY OPTION WE	0	-	-	120	-	-	0	-	-	7,201	-	-
JPY/USD MONDAY OPTION WE	0	-	-	286	-	-	0	-	-	2,939	-	-
JPY/USD MONTHLY OPTIONS	0	0	0.0%	67,395	116,701	-42.25%	727	207	251.2%	1,250,188	1,519,490	-17.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	465	-100.00%	0	0	0.0%	17,142	56,218	-69.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,258	7,565	48.82%	0	0	0.0%	116,300	103,430	12.4%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	7,040	9,976	-29.43%	0	0	0.0%	128,842	155,026	-16.9%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,331	8,208	-22.87%	0	0	0.0%	122,729	145,712	-15.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	11,053	-100.00%	0	0	0.0%	48,042	59,193	-18.8%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,191	4,143	-47.12%	0	0	0.0%	53,672	50,173	7.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,713	3,115	19.20%	0	0	0.0%	42,164	46,071	-8.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,345	4,071	-17.83%	0	0	0.0%	49,436	47,356	4.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,394	3,577	-5.12%	0	0	0.0%	51,707	46,541	11.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	12,418	10,637	16.7%
MXN/USD MONTHLY OPTIONS	0	175	-100.0%	2,051	1,207	69.93%	1,840	1,145	60.7%	17,244	14,799	16.5%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,413	1,200	267.8%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	1,040	0	0.00%	0	0	0.0%	2,788	528	428.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	247	-100.00%	0	0	0.0%	2,174	1,350	61.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	483	201	140.30%	0	0	0.0%	3,159	530	496.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	28	-100.00%	0	0	0.0%	152	28	442.9%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	134	1,285	-89.57%	0	0	0.0%	4,965	7,734	-35.8%
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	50	-100.00%	0	0	0.0%	50	170	-70.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	306	-100.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	600	-100.00%	0	0	0.0%	375	750	-50.0%
NZD/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	100	-100.0%
RUB/USD MONTHLY OPTIONS	0	-	-	378	-	-	0	-	-	569	-	-
Ags Futures												
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	90	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%	248	159	55.97%	0	0	0.0%	7,458	8,919	-16.4%
Ag Products Futures												
BUTTER CS	0	0	0.0%	4,445	4,119	7.91%	0	0	0.0%	59,302	46,826	26.6%
CASH-SETTLED CHEESE	0	0	0.0%	12,923	11,161	15.79%	0	0	0.0%	145,774	119,679	21.8%
CAT ASIA WEATHER	0	-	-	0	-	-	0	-	-	0	-	-
CATTLE	0	744	-100.0%	1,208,393	1,486,828	-18.73%	2,592	12,306	-78.9%	15,195,904	15,713,478	-3.3%
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%	50	25	100.0%
CHI WHEAT	0	8,281	-100.0%	3,153,389	2,589,174	21.79%	12,092	74,858	-83.8%	31,076,412	28,386,370	9.5%
CLASS IV MILK	0	0	0.0%	480	1,121	-57.18%	65	158	-58.9%	22,231	24,193	-8.1%

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Ag Products Futures												
COCOA TAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	8	-100.0%
COFFEE	0	0	0.0%	0	2	-100.00%	0	0	0.0%	2	2	0.0%
CORN	0	11,196	-100.0%	8,474,205	7,992,815	6.02%	18,145	247,123	-92.7%	81,663,449	96,306,928	-15.2%
COTTON	0	0	0.0%	0	0	0.00%	0	0	0.0%	57	38	50.0%
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%	6,753	8,522	-20.76%	0	0	0.0%	300,658	468,884	-35.9%
DRY WHEY	0	0	0.0%	1,843	1,364	35.12%	0	0	0.0%	15,900	13,689	16.2%
FEEDER CATTLE	0	27	-100.0%	211,790	234,304	-9.61%	54	205	-73.7%	2,978,896	3,362,774	-11.4%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	12,172	24,774	-50.87%	0	0	0.0%	162,106	307,474	-47.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	87	-100.00%	0	0	0.0%	85	421	-79.8%
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%	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	1,372	-100.0%	851,766	1,232,383	-30.88%	1,940	17,141	-88.7%	11,689,921	14,694,345	-20.4%
HOUSING INDEX	0	0	0.0%	2	14	-85.71%	0	0	0.0%	264	142	85.9%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
KC WHEAT	0	867	-100.0%	1,151,537	1,538,067	-25.13%	1,534	9,685	-84.2%	12,736,448	14,133,884	-9.9%
LUMBER	0	0	0.0%	7,556	12,514	-39.62%	0	0	0.0%	141,113	150,180	-6.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	54	-100.0%	33,245	31,121	6.82%	59	356	-83.4%	385,825	299,225	28.9%
MINI CORN	0	0	0.0%	47,035	13,858	239.41%	0	0	0.0%	298,613	162,530	83.7%
MINI SOYBEAN	0	0	0.0%	62,230	13,673	355.13%	0	0	0.0%	435,775	204,260	113.3%
MINI WHEAT	0	0	0.0%	19,078	5,399	253.36%	0	0	0.0%	156,364	83,477	87.3%
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%	4,520	5,801	-22.08%	0	19	-100.0%	84,018	67,290	24.9%
OATS	0	0	0.0%	14,467	18,689	-22.59%	0	0	0.0%	124,907	144,552	-13.6%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-	-	0	-	-	0	-	-
PORK CUTOUT	0	-	-	2,367	-	-	0	-	-	2,367	-	-
ROUGH RICE	0	0	0.0%	5,430	10,590	-48.73%	0	31	-100.0%	216,618	215,236	0.6%
SOYBEAN	0	3,995	-100.0%	4,733,159	3,260,624	45.16%	10,769	64,906	-83.4%	52,333,266	45,967,678	13.8%
SOYBEAN MEAL	0	1,429	-100.0%	2,363,440	2,925,193	-19.20%	1,333	11,858	-88.8%	26,549,821	25,516,319	4.1%
SOYBEAN OIL	0	608	-100.0%	2,867,848	3,163,908	-9.36%	4,078	7,675	-46.9%	29,520,460	27,832,334	6.1%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Futures												
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%	10	10	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%	3,606	417	764.75%	0	0	0.0%	24,617	8,290	196.9%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	-	-	0	-	-	0	-	-	77	-	-
BUTTER CS	0	458	-100.0%	1,335	1,941	-31.22%	212	4,946	-95.7%	30,535	29,084	5.0%
CASH-SETTLED CHEESE	0	1,422	-100.0%	7,948	5,633	41.10%	7,734	17,587	-56.0%	127,317	85,514	48.9%
CATTLE	0	12,705	-100.0%	191,217	208,392	-8.24%	59,913	270,280	-77.8%	2,425,423	2,001,777	21.2%
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	50,889	-100.0%	433,203	320,723	35.07%	202,275	979,913	-79.4%	6,963,085	5,788,997	20.3%
CLASS IV MILK	0	0	0.0%	967	1,354	-28.58%	1,082	3,605	-70.0%	45,393	33,976	33.6%
CORN	0	211,045	-100.0%	2,309,173	1,267,049	82.25%	536,597	4,562,748	-88.2%	21,247,231	25,531,575	-16.8%
CORN NEARBY+2 CAL SPRD	0	6,905	-100.0%	2,901	31	9,258.06%	14,975	77,843	-80.8%	51,989	3,352	1,451.0%
DEC-DEC CORN CAL SPRD	0	151	-100.0%	0	206	-100.00%	250	14,198	-98.2%	1,885	4,596	-59.0%
DEC-JULY CORN CAL SPRD	0	6,517	-100.0%	180	90	100.00%	175	27,519	-99.4%	3,567	236	1,411.4%
DEC-JULY WHEAT CAL SPRD	0	50	-100.0%	50	1	4,900.00%	0	100	-100.0%	1,595	2	79,650.0%
DRY WHEY	0	0	0.0%	1,041	146	613.01%	119	747	-84.1%	5,305	7,206	-26.4%
FEEDER CATTLE	0	974	-100.0%	19,645	19,826	-0.91%	4,252	20,827	-79.6%	275,138	303,450	-9.3%
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	19,270	-100.0%	103,679	243,935	-57.50%	34,430	321,231	-89.3%	2,772,617	3,606,387	-23.1%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	7	-100.0%
Intercommodity Spread	0	5,200	-100.0%	0	5	-100.00%	7,987	6,319	26.4%	3,299	5	65,880.0%
JAN-MAR SOYBEAN CSO	0	-	-	0	-	-	0	-	-	20	-	-
JULY-DEC CORN CAL SPRD	0	4,000	-100.0%	1,150	0	0.00%	11,810	17,632	-33.0%	12,697	1,152	1,002.2%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	-	-	0	-	-	0	-	-	125	-	-
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	1,520	1,500	1.3%	2,136	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Options												
JULY-JULY WHEAT CAL SPRD	0	-	-	0	-		50	-	-	80	-	-
JULY-NOV SOYBEAN CAL SPR	0	38	-100.0%	53	0	0.00%	4,950	6,245	-20.7%	9,153	1,620	465.0%
KC WHEAT	0	10,869	-100.0%	36,267	63,733	-43.10%	36,570	227,780	-83.9%	1,022,948	773,794	32.2%
LUMBER	0	0	0.0%	649	1,536	-57.75%	0	70	-100.0%	9,486	18,772	-49.5%
LV CATL CSO	0	20	-100.0%	0	0	0.00%	0	549	-100.0%	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	505	9	5,511.1%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	4,000	-100.0%	500	0	0.00%	2,500	4,040	-38.1%	500	0	0.0%
MAR-JULY SOYBEAN CAL SPR	0	-	-	20	-		0	-	-	20	-	-
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	440	30	1,366.7%
MILK	0	632	-100.0%	30,700	35,294	-13.02%	3,323	23,066	-85.6%	494,387	395,665	25.0%
MLK MID OPTIONS	0	4	-100.0%	0	0	0.00%	31	35	-11.4%	93	194	-52.1%
NFD MILK	0	47	-100.0%	3,875	2,628	47.45%	494	2,058	-76.0%	67,282	55,149	22.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	1,050	-100.0%	2,670	2,500	6.8%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	100	20	400.0%	1,335	0	0.0%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	614	-100.0%	180	2,214	-91.9%
OATS	0	52	-100.0%	234	146	60.27%	720	2,494	-71.1%	2,485	2,153	15.4%
PORK CUTOUT	0	-	-	3	-		0	-	-	3	-	-
ROUGH RICE	0	2,290	-100.0%	206	374	-44.92%	6,492	22,829	-71.6%	14,072	10,054	40.0%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
SOYBEAN	0	98,441	-100.0%	2,088,532	760,349	174.68%	275,778	1,475,307	-81.3%	14,300,755	10,850,024	31.8%
SOYBEAN CRUSH	0	127	-100.0%	635	0	0.00%	830	306	171.2%	3,147	0	0.0%
SOYBEAN MEAL	0	48,509	-100.0%	245,050	139,120	76.14%	84,223	372,885	-77.4%	2,608,952	1,422,269	83.4%
SOYBEAN OIL	0	33,033	-100.0%	375,670	125,345	199.71%	106,072	227,255	-53.3%	2,112,301	1,130,280	86.9%
SOYBN NEARBY+2 CAL SPRD	0	25	-100.0%	1,970	0	0.00%	335	3,525	-90.5%	13,125	2,000	556.3%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	200	490	-59.2%	0	0	0.0%
WHEAT	0	0	0.0%	64	1,860	-96.56%	16	10,800	-99.9%	12,424	10,106	22.9%
WHEAT-CORN ICSCO	0	0	0.0%	81	0	0.00%	70	2,880	-97.6%	6,264	0	0.0%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	1,475	0	0.00%	1,251	2,440	-48.7%	6,876	300	2,192.0%

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CME Group Exchange Volume Comparison Report - Monthly

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TOTAL FUTURES GROUP												
Interest Rate Futures	193,976	624,509	-68.9%	143,954,930	153,846,768	-6.4%	3,752,481	10,377,079	-63.8%	1,425,938,251	1,726,198,249	-17.4%
Equity Index Futures	0	4,455	-100.0%	95,269,734	43,292,014	120.1%	33,712	225,695	-85.1%	1,148,873,013	640,971,478	79.2%
Metals Futures	0	0	0.0%	12,513,847	14,374,259	-12.9%	0	0	0.0%	146,196,310	135,051,788	8.3%
Energy Futures	0	0	0.0%	34,639,988	37,840,160	-8.5%	0	0	0.0%	477,445,525	470,107,711	1.6%
FX Futures	0	0	0.0%	14,431,252	12,881,722	12.0%	36	68	-47.1%	185,487,286	182,201,948	1.8%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	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	28,573	-100.0%	25,253,679	24,586,522	2.7%	52,661	446,321	-88.2%	266,321,258	274,230,541	-2.9%
TOTAL FUTURES	193,976	657,537	-70.5%	326,063,430	286,821,445	13.7%	3,838,890	11,049,163	-65.3%	3,650,261,733	3,428,761,715	6.5%
TOTAL OPTIONS GROUP												
Equity Index Options	0	624,821	-100.0%	11,357,862	10,235,245	11.0%	1,658,011	7,418,910	-77.7%	164,948,153	140,885,519	17.1%
Interest Rate Options	6,690,277	16,047,722	-58.3%	19,032,176	25,793,600	-26.2%	91,847,129	261,954,575	-64.9%	317,597,954	344,952,111	-7.9%
Metals Options	0	0	0.0%	1,094,366	1,131,345	-3.3%	0	0	0.0%	13,560,807	14,795,519	-8.3%
Energy Options	0	0	0.0%	3,269,748	3,259,184	0.3%	0	0	0.0%	38,943,194	38,081,180	2.3%
FX Options	0	729	-100.0%	631,641	749,182	-15.7%	4,673	13,134	-64.4%	9,303,168	11,765,908	-20.9%
Ag Products Options	0	517,673	-100.0%	5,858,473	3,199,717	83.1%	1,407,841	8,713,742	-83.8%	54,658,412	52,074,440	5.0%
Foreign Exchange Options	0	0	0.0%	248	159	56.0%	0	0	0.0%	7,458	8,919	-16.4%
TOTAL OPTIONS	6,690,277	17,190,945	-61.1%	41,244,514	44,368,432	-7.0%	94,917,654	278,100,361	-65.9%	599,019,146	602,563,596	-0.6%
TOTAL COMBINED												
Interest Rate	6,884,253	16,672,231	-58.7%	162,987,106	179,640,368	-9.3%	95,599,610	272,331,654	-64.9%	1,743,536,205	2,071,150,360	-15.8%
Equity Index	0	629,276	-100.0%	106,627,596	53,527,259	99.2%	1,691,723	7,644,605	-77.9%	1,313,821,166	781,856,997	68.0%
Metals	0	0	0.0%	13,608,213	15,505,604	-12.2%	0	0	0.0%	159,757,117	149,847,307	6.6%
Energy	0	0	0.0%	37,909,736	41,099,344	-7.8%	0	0	0.0%	516,388,719	508,188,891	1.6%
FX	0	729	-100.0%	15,062,893	13,630,904	10.5%	4,709	13,202	-64.3%	194,790,454	193,967,856	0.4%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	90	0	0.0%
Foreign Exchange	0	0	0.0%	248	159	56.0%	0	0	0.0%	7,458	8,919	-16.4%
Ag Products	0	546,246	-100.0%	31,112,152	27,786,239	12.0%	1,460,502	9,160,063	-84.1%	320,979,670	326,304,981	-1.6%
GRAND TOTAL	6,884,253	17,848,482	-61.4%	367,307,944	331,189,877	10.9%	98,756,544	289,149,524	-65.8%	4,249,280,879	4,031,325,311	5.4%

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