

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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%	36,016,296	27,264,876	32.10%	0	469,469	-100.0%	383,058,011	331,544,864	15.5%
10-YR SWAP RATE	0	0	0.0%	35,202	32,128	9.57%	0	0	0.0%	552,383	451,424	22.4%
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%	2	0	0.00%	0	0	0.0%	2	826	-99.8%
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%	9,078,395	4,175,126	117.44%	0	261	-100.0%	84,290,437	101,757,166	-17.2%
2-YR SWAP RATE	0	0	0.0%	67,097	8,128	725.50%	0	0	0.0%	790,177	89,125	786.6%
30-YR BOND	0	0	0.0%	8,782,832	7,460,492	17.72%	0	55,491	-100.0%	92,966,452	75,066,001	23.8%
30-YR SWAP RATE	0	0	0.0%	270	0	0.00%	0	0	0.0%	374	822	-54.5%
3-YR NOTE	0	0	0.0%	366,500	91,503	300.53%	0	0	0.0%	1,975,361	377,800	422.9%
3-YR SWAP RATE	0	0	0.0%	9,788	790	1,138.99%	0	0	0.0%	34,172	23,919	42.9%
4-YR SWAP RATE	0	0	0.0%	1,234	1,116	10.57%	0	0	0.0%	23,209	13,722	69.1%
5-YR NOTE	0	0	0.0%	20,425,353	12,911,721	58.19%	0	87,402	-100.0%	221,179,991	193,492,174	14.3%
5-YR SWAP RATE	0	0	0.0%	97,047	27,118	257.87%	0	0	0.0%	726,329	503,606	44.2%
7-YR SWAP RATE	0	0	0.0%	2,649	1,884	40.61%	0	0	0.0%	20,811	16,478	26.3%
EURODOLLARS	741,053	115,114	543.8%	65,621,588	26,285,260	149.65%	4,550,444	2,945,882	54.5%	494,051,161	429,575,295	15.0%
FED FUND	0	0	0.0%	3,717,498	1,223,939	203.73%	0	0	0.0%	19,798,747	48,584,987	-59.2%
SOFR	0	0	0.0%	4,944,746	1,197,844	312.80%	0	0	0.0%	26,649,399	9,216,145	189.2%
SONIA	0	0	0.0%	19,085	197,486	-90.34%	0	0	0.0%	798,109	1,673,444	-52.3%
TIIE	0	-	-	40	-	-	0	-	-	779	-	-
Ultra 10-Year Note	0	0	0.0%	6,525,730	4,279,896	52.47%	0	0	0.0%	73,274,275	50,178,932	46.0%
ULTRA T-BOND	0	0	0.0%	3,756,910	3,219,021	16.71%	0	0	0.0%	44,862,917	39,416,591	13.8%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	11,089,905	9,955,520	11.39%	0	8,489,760	-100.0%	130,947,708	98,244,641	33.3%
2-YR NOTE	0	0	0.0%	25,037	31,602	-20.77%	0	273,359	-100.0%	136,271	1,748,389	-92.2%
30-YR BOND	0	0	0.0%	2,521,238	3,119,265	-19.17%	0	891,042	-100.0%	26,824,314	24,240,247	10.7%
5-YR NOTE	0	0	0.0%	3,213,658	952,444	237.41%	0	2,424,616	-100.0%	30,745,921	25,297,546	21.5%
EURODOLLARS	5,175,362	1,469,240	252.2%	2,707,118	1,785,074	51.65%	27,697,588	52,761,627	-47.5%	14,579,229	102,713,415	-85.8%
EURO MIDCURVE	12,286,672	3,935,859	212.2%	9,362,421	2,435,631	284.39%	106,317,330	20,289,433	424.0%	55,653,021	46,306,613	20.2%
FED FUND	0	0	0.0%	0	0	0.00%	0	3,100	-100.0%	0	7,821	-100.0%
SOFR	0	0	0.0%	25	100	-75.00%	7,310	10	73,000.0%	1,427	1,112	28.3%
Ultra 10-Year Note	0	0	0.0%	0	0	0.00%	0	13,035	-100.0%	46	2,965	-98.4%
ULTRA T-BOND	0	0	0.0%	792	358	121.23%	0	10,870	-100.0%	6,776	3,029	123.7%
Equity Index Futures												
BITCOIN FUTURES	0	0	0.0%	826,325	161,389	412.01%	0	0	0.0%	4,864,143	1,741,794	179.3%
DJ US REAL ESTATE	0	0	0.0%	26,502	23,309	13.70%	0	0	0.0%	335,873	353,440	-5.0%
E-mini (\$5) Dow	0	0	0.0%	3,644,793	4,650,583	-21.63%	0	0	0.0%	36,583,432	52,189,842	-29.9%
E-MINI COM SERVICES SELEC	0	0	0.0%	1,272	1,280	-0.63%	0	0	0.0%	27,650	23,783	16.3%
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%	144	0	0.00%	0	0	0.0%	665	2	33,150.0%
E-MINI MIDCAP	0	0	0.0%	248,318	281,358	-11.74%	0	0	0.0%	2,564,556	3,678,150	-30.3%
E-MINI NASDAQ 100	0	0	0.0%	11,154,495	13,129,062	-15.04%	0	0	0.0%	113,640,738	125,673,899	-9.6%
E-MINI RUSSELL 1000	0	0	0.0%	4,014	725	453.66%	0	0	0.0%	44,644	34,851	28.1%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,202	911	141.71%	0	0	0.0%	31,389	29,176	7.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,851	3,870	-26.33%	0	0	0.0%	77,847	59,197	31.5%
E-MINI RUSSELL 2000	0	0	0.0%	3,522,740	3,765,221	-6.44%	0	0	0.0%	40,670,665	42,997,863	-5.4%
E-MINI S&P500	0	0	0.0%	28,690,411	35,894,597	-20.07%	0	0	0.0%	327,483,150	434,535,082	-24.6%
E-MINI S&P500 ESG	0	0	0.0%	12,307	4,764	158.33%	0	0	0.0%	132,649	58,808	125.6%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,823	1,114	153.41%	0	0	0.0%	43,325	49,844	-13.1%
ETHER FUTURES	0	-	-	114,603	-		0	-	-	674,938	-	-
FT-SE 100	0	0	0.0%	57	0	0.00%	0	0	0.0%	258	0	0.0%
FTSE Emerging	0	0	0.0%	0	198	-100.00%	0	0	0.0%	5	4,743	-99.9%
IBOVESPA INDEX	0	0	0.0%	379	244	55.33%	0	0	0.0%	2,233	4,338	-48.5%

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Equity Index Futures												
MICRO E-MINI NASDAQ 100	0	0	0.0%	19,586,443	19,375,555	1.09%	0	0	0.0%	193,176,393	142,157,515	35.9%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,939,925	1,707,159	72.21%	0	0	0.0%	31,337,891	19,970,622	56.9%
MICRO E-MINI S&P500	0	0	0.0%	17,825,532	21,853,883	-18.43%	0	0	0.0%	178,549,646	189,941,154	-6.0%
MICRO MINI \$5 DOW	0	0	0.0%	3,056,552	2,310,379	32.30%	0	0	0.0%	27,073,147	26,942,128	0.5%
NASDAQ-100 VOLATILITY	0	0	0.0%	2	11	-81.82%	0	0	0.0%	97	11	781.8%
NASDAQ BIOTECH	0	0	0.0%	88	167	-47.31%	0	0	0.0%	5,571	4,945	12.7%
Nearby BTIC+	0	0	0.0%	100	0	0.00%	0	0	0.0%	456	200	128.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	148,247	105,202	40.92%	0	0	0.0%	1,330,778	1,972,530	-32.5%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	810,581	642,385	26.18%	0	0	0.0%	6,721,332	9,780,884	-31.3%
S&P 500	0	0	0.0%	202	1,220	-83.44%	0	33,712	-100.0%	12,787	20,502	-37.6%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	12,754	15,726	-18.90%	0	0	0.0%	136,308	228,376	-40.3%
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%	100	251	-60.16%	0	0	0.0%	864	8,555	-89.9%
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%	8,681	8,108	7.07%	0	0	0.0%	96,104	71,680	34.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	10,863	9,077	19.68%	0	0	0.0%	173,415	120,228	44.2%
S&P ENERGY SECTOR	0	0	0.0%	20,156	19,973	0.92%	0	0	0.0%	277,814	185,320	49.9%
S&P FINANCIAL SECTOR	0	0	0.0%	15,195	15,868	-4.24%	0	0	0.0%	307,930	175,947	75.0%
S&P HEALTH CARE SECTOR	0	0	0.0%	13,815	9,957	38.75%	0	0	0.0%	154,033	126,518	21.7%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,797	8,341	-30.50%	0	0	0.0%	103,389	89,640	15.3%
S&P MATERIALS SECTOR	0	0	0.0%	5,275	5,546	-4.89%	0	0	0.0%	86,075	51,047	68.6%
S&P TECHNOLOGY SECTOR	0	0	0.0%	5,641	10,929	-48.39%	0	0	0.0%	118,051	109,066	8.2%
S&P UTILITIES SECTOR	0	0	0.0%	16,098	10,632	51.41%	0	0	0.0%	162,590	141,194	15.2%
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	-	-	2	-		0	-	-	946	-	-
YEN DENOMINATED TOPIX	0	0	0.0%	5,672	5,838	-2.84%	0	0	0.0%	23,294	70,405	-66.9%

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Equity Index Options												
BITCOIN FUTURES	0	0	0.0%	1,130	3,527	-67.96%	0	0	0.0%	11,315	14,415	-21.5%
E-mini (\$5) Dow	0	0	0.0%	3,217	1,152	179.25%	0	0	0.0%	17,017	29,865	-43.0%
E-MINI NASDAQ 100	0	0	0.0%	669,301	335,644	99.41%	0	0	0.0%	5,648,949	3,456,499	63.4%
E-MINI RUSSELL 2000	0	0	0.0%	20,389	15,295	33.31%	0	0	0.0%	276,887	176,020	57.3%
E-MINI S&P500	0	0	0.0%	6,706,737	5,728,915	17.07%	0	250	-100.0%	61,379,608	73,494,700	-16.5%
EOM E-MINI RUSSELL 2000 EN	0	0	0.0%	23,117	12,182	89.76%	0	0	0.0%	205,818	89,206	130.7%
EOM EMINI S&P	0	0	0.0%	3,087,268	2,199,035	40.39%	0	0	0.0%	19,477,245	20,552,282	-5.2%
EOM S&P 500	0	0	0.0%	0	0	0.00%	0	303,360	-100.0%	2,158	0	0.0%
EOW1 E-MINI RUSSELL 2000 W	0	0	0.0%	10,985	2,285	380.74%	0	0	0.0%	111,268	44,457	150.3%
EOW1 EMINI S&P 500	0	0	0.0%	916,315	956,541	-4.21%	0	0	0.0%	10,061,644	10,599,502	-5.1%
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%	14,921	30,428	-50.96%	0	0	0.0%	132,579	66,729	98.7%
EOW2 EMINI S&P 500	0	0	0.0%	1,497,474	1,066,905	40.36%	0	0	0.0%	11,054,736	10,926,745	1.2%
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%	35,121	15,624	124.79%	0	0	0.0%	313,861	175,138	79.2%
EOW3 EMINI S&P 500	0	0	0.0%	3,102,981	2,724,091	13.91%	0	0	0.0%	21,934,863	24,395,377	-10.1%
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%	14,123	4,957	184.91%	0	0	0.0%	148,246	36,492	306.2%
EOW4 EMINI S&P 500	0	0	0.0%	1,226,707	946,976	29.54%	0	0	0.0%	9,013,604	9,165,307	-1.7%
MICRO E-MINI NASDAQ	0	0	0.0%	3,546	660	437.27%	0	0	0.0%	56,015	3,423	1,536.4%
MICRO E-MINI NASDAQ 100	0	-	-	3,206	-		0	-	-	3,206	-	-
MICRO E-MINI NASDAQ END O	0	0	0.0%	9,922	2,749	260.93%	0	0	0.0%	75,832	4,389	1,627.8%
MICRO E-MINI NASDAQ WEEKL	0	0	0.0%	28,912	9,492	204.59%	0	0	0.0%	201,332	14,938	1,247.8%
MICRO E-MINI S&P 500	0	0	0.0%	23,698	12,060	96.50%	0	0	0.0%	279,162	45,575	512.5%
MICRO E-MINI S&P 500 END OF	0	0	0.0%	71,786	44,456	61.48%	0	0	0.0%	384,304	83,203	361.9%
MICRO E-MINI S&P 500 WEEKL	0	0	0.0%	135,019	117,761	14.66%	0	0	0.0%	893,616	208,116	329.4%
S&P 500	0	0	0.0%	0	400	-100.00%	0	677,812	-100.0%	200	7,913	-97.5%

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Metals Futures												
ALUMINUM	0	0	0.0%	15,206	3,522	331.74%	0	0	0.0%	121,487	43,715	177.9%
COBALT METAL FUTURES	0	-	-	0	-		0	-	-	12	-	-
COMEX COPPER	0	0	0.0%	1,764,794	1,825,458	-3.32%	0	0	0.0%	21,245,143	20,403,077	4.1%
COMEX E-Mini GOLD	0	0	0.0%	18,826	15,519	21.31%	0	0	0.0%	226,549	336,116	-32.6%
COMEX E-Mini SILVER	0	0	0.0%	3,776	5,973	-36.78%	0	0	0.0%	59,142	94,629	-37.5%
COMEX GOLD	0	0	0.0%	4,065,110	4,558,896	-10.83%	0	0	0.0%	48,292,347	66,025,522	-26.9%
COMEX MINY COPPER	0	0	0.0%	8,878	2,354	277.15%	0	0	0.0%	46,973	9,765	381.0%
COMEX SILVER	0	0	0.0%	1,163,448	1,627,371	-28.51%	0	0	0.0%	16,488,835	21,892,141	-24.7%
COPPER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	361	905	-60.11%	0	0	0.0%	7,106	10,549	-32.6%
GOLD	0	0	0.0%	12,906	5,068	154.66%	0	0	0.0%	75,056	72,900	3.0%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	230	50	360.00%	0	0	0.0%	1,653	52	3,078.8%
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	209	-100.0%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	16	0	0.0%
LNDN ZINC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
METALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MICRO GOLD	0	0	0.0%	1,054,682	1,700,455	-37.98%	0	0	0.0%	11,922,754	18,594,952	-35.9%
NYMEX HOT ROLLED STEEL	0	0	0.0%	4,566	3,301	38.32%	0	0	0.0%	42,286	44,585	-5.2%
NYMEX PLATINUM	0	0	0.0%	292,422	265,586	10.10%	0	0	0.0%	3,550,304	3,681,340	-3.6%
PALLADIUM	0	0	0.0%	41,136	32,943	24.87%	0	0	0.0%	457,920	564,147	-18.8%
SILVER	0	0	0.0%	103,555	245,731	-57.86%	0	0	0.0%	1,969,908	1,908,709	3.2%
URANIUM	0	0	0.0%	53	1	5,200.00%	0	0	0.0%	543	55	887.3%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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
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%	46,091	15,418	198.94%	0	0	0.0%	418,501	245,196	70.7%
COMEX GOLD	0	0	0.0%	572,154	640,085	-10.61%	0	0	0.0%	5,768,034	8,969,028	-35.7%
COMEX SILVER	0	0	0.0%	91,135	123,795	-26.38%	0	0	0.0%	1,366,689	1,752,871	-22.0%
COPPER	0	0	0.0%	17	2	750.00%	0	0	0.0%	199	2,675	-92.6%
GOLD	0	0	0.0%	148,623	122,455	21.37%	0	0	0.0%	1,573,307	1,400,522	12.3%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NYMEX PLATINUM	0	0	0.0%	449	443	1.35%	0	0	0.0%	4,859	5,409	-10.2%
PALLADIUM	0	0	0.0%	12	2	500.00%	0	0	0.0%	692	1,406	-50.8%
SILVER	0	0	0.0%	14,949	6,251	139.15%	0	0	0.0%	110,651	89,334	23.9%
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%	2,080,706	1,633,430	27.38%	0	0	0.0%	20,040,233	22,277,926	-10.0%
CAR VINTAGE	0	-	-	3,460	-		0	-	-	17,196	-	-
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 OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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%	906	77	1,076.62%	0	0	0.0%	3,345	266	1,157.5%
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	0	0.00%	0	0	0.0%	31	60	-48.3%
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%	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%	25,320,827	16,713,553	51.50%	0	0	0.0%	208,472,476	235,836,805	-11.6%
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%	3,988	33,774	-88.19%	0	0	0.0%	388,948	290,717	33.8%
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%	1	6	-83.3%
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 OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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%	0	172	-100.00%	0	0	0.0%	262	12,455	-97.9%
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%	52	0	0.00%	0	0	0.0%	454	286	58.7%
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 0.1CIF MED VS ICE	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
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%	46	0	0.00%	0	0	0.0%	136	8,776	-98.5%
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	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%	3,638,608	3,488,201	4.31%	0	0	0.0%	30,197,116	35,627,177	-15.2%
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%	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%

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Energy Futures												
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%	290,241	269,111	7.85%	0	0	0.0%	2,335,755	1,804,153	29.5%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	1,645	1,547	6.33%	0	0	0.0%	21,282	8,083	163.3%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	4	15	-73.33%	0	0	0.0%	217	30	623.3%
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%	4	8	-50.00%	0	0	0.0%	61	52	17.3%
MINY NATURAL GAS	0	0	0.0%	529,394	207,566	155.05%	0	0	0.0%	1,784,819	1,262,855	41.3%
MINY RBOB GAS	0	0	0.0%	7	10	-30.00%	0	0	0.0%	86	70	22.9%
MINY WTI CRUDE OIL	0	0	0.0%	431,708	306,991	40.63%	0	0	0.0%	4,162,875	6,255,238	-33.4%
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	10	-100.00%	0	0	0.0%	325	25	1,200.0%
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%	37	6	516.67%	0	0	0.0%	494	160	208.8%
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%	15	0	0.00%	0	0	0.0%	40	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%	86,817	64,786	34.01%	0	0	0.0%	535,065	499,571	7.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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 PEN SWP	0	0	0.0%	15	0	0.00%	0	0	0.0%	133	0	0.0%
NATURAL GAS PHY	0	0	0.0%	8,878,810	9,117,136	-2.61%	0	0	0.0%	80,866,141	100,960,457	-19.9%
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%	24	38	-36.8%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
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	0.00%	-	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%	50	0	0.00%	0	0	0.0%	50	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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 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	0.00%	-	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%	3,772,739	3,483,619	8.30%	0	0	0.0%	38,487,183	37,957,537	1.4%
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 180 CS	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
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%
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	30	-100.00%	0	0	0.0%	2,535	2,124	19.4%
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%	3,028	14,287	-78.81%	0	0	0.0%	31,310	141,550	-77.9%
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%	0	1,050	-100.00%	0	0	0.0%	42,180	67,121	-37.2%
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%	2,523,258	2,062,873	22.32%	0	0	0.0%	19,779,182	21,762,415	-9.1%
ELEC FINSETTLED	0	0	0.0%	0	0	0.00%	0	0	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	0.00%	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-		0	-	-	0	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
HEATING OIL PHY	0	0	0.0%	3,048	3,044	0.13%	0	0	0.0%	20,412	32,100	-36.4%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0.00%	0	0	0.0%	40	20	100.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	1,984	0	0.00%	0	0	0.0%	10,734	3,151	240.7%
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%	200	4,827	-95.9%
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%	671,576	1,237,503	-45.73%	0	0	0.0%	12,546,876	13,616,222	-7.9%
NATURAL GAS SUMMER STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	29	31	-6.45%	0	0	0.0%	655	707	-7.4%
PETROCHEMICALS	0	0	0.0%	13	0	0.00%	0	0	0.0%	75	11	581.8%
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%	1,463	3,221	-54.58%	0	0	0.0%	20,847	27,017	-22.8%
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%	2,900	2,400	20.83%	0	0	0.0%	10,000	17,102	-41.5%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	355	0	0.00%	0	0	0.0%	1,390	1,200	15.8%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
AD/CD CROSS RATES	0	0	0.0%	14	0	0.00%	0	0	0.0%	172	80	115.0%
AD/JY CROSS RATES	0	0	0.0%	2,542	1,698	49.71%	0	0	0.0%	21,610	25,356	-14.8%
AD/NE CROSS RATES	0	0	0.0%	536	135	297.04%	0	0	0.0%	2,994	2,740	9.3%
AUSTRALIAN DOLLAR	0	0	0.0%	1,838,634	1,927,726	-4.62%	0	0	0.0%	20,585,707	21,551,549	-4.5%
BP/JY CROSS RATES	0	0	0.0%	2,305	2,066	11.57%	0	0	0.0%	24,840	31,800	-21.9%
BP/SF CROSS RATES	0	0	0.0%	557	126	342.06%	0	0	0.0%	7,509	4,028	86.4%
BRAZIL REAL	0	0	0.0%	201,419	152,018	32.50%	0	0	0.0%	2,312,816	1,888,787	22.4%
BRITISH POUND	0	0	0.0%	1,853,708	2,404,566	-22.91%	0	0	0.0%	19,642,212	22,632,613	-13.2%
CANADIAN DOLLAR	0	0	0.0%	1,488,567	1,523,737	-2.31%	0	0	0.0%	16,589,681	16,149,823	2.7%
CD/JY CROSS RATES	0	0	0.0%	73	23	217.39%	0	0	0.0%	1,533	398	285.2%
CHINESE RENMINBI (CNH)	0	0	0.0%	12,456	29,901	-58.34%	0	0	0.0%	164,799	203,415	-19.0%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	26	-92.3%
CZECK KORUNA (US)	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	1	700.0%
EC/AD CROSS RATES	0	0	0.0%	2,984	3,208	-6.98%	0	0	0.0%	47,078	59,925	-21.4%
EC/CD CROSS RATES	0	0	0.0%	4,320	1,917	125.35%	0	0	0.0%	70,397	44,257	59.1%
EC/NOK CROSS RATES	0	0	0.0%	559	8	6,887.50%	0	0	0.0%	6,565	1,765	272.0%
EC/SEK CROSS RATES	0	0	0.0%	311	136	128.68%	0	0	0.0%	6,176	5,862	5.4%
EFX/BP CROSS RATES	0	0	0.0%	37,155	29,342	26.63%	0	0	0.0%	566,824	658,311	-13.9%
EFX/JY CROSS RATES	0	0	0.0%	31,481	21,491	46.48%	0	0	0.0%	424,287	568,674	-25.4%
EFX/SF CROSS RATES	0	0	0.0%	16,207	13,630	18.91%	0	0	0.0%	233,789	351,967	-33.6%
E-MICRO USD/CAD	0	-	-	1,358	-		0	-	-	1,704	-	-
E-MICRO USD/CHF	0	-	-	54	-		0	-	-	83	-	-
E-MICRO USD/JPY	0	-	-	2,799	-		0	-	-	2,921	-	-
E-MINI EURO FX	0	0	0.0%	82,740	125,174	-33.90%	0	0	0.0%	1,195,111	1,556,514	-23.2%
E-MINI JAPANESE YEN	0	0	0.0%	10,608	6,438	64.77%	0	0	0.0%	92,776	209,280	-55.7%
EURO FX	0	0	0.0%	3,404,101	3,712,885	-8.32%	0	36	-100.0%	39,656,949	45,939,032	-13.7%
HUNGARIAN FORINT (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	9	-100.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	3	0.00%	0	0	0.0%	171	103	66.0%
INDIAN RUPEE	0	0	0.0%	16,274	20,347	-20.02%	0	0	0.0%	139,266	258,622	-46.2%
JAPANESE YEN	0	0	0.0%	2,329,770	1,757,928	32.53%	0	0	0.0%	22,210,853	24,218,082	-8.3%
KOREAN WON	0	0	0.0%	473	906	-47.79%	0	0	0.0%	11,822	5,934	99.2%
MEXICAN PESO	0	0	0.0%	882,594	1,150,497	-23.29%	0	0	0.0%	11,018,406	11,981,569	-8.0%
MICRO AUD/USD	0	0	0.0%	196,181	200,786	-2.29%	0	0	0.0%	2,066,390	2,450,672	-15.7%
MICRO CAD/USD	0	0	0.0%	55,291	27,307	102.48%	0	0	0.0%	563,134	290,438	93.9%

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FX Futures												
MICRO CHF/USD	0	0	0.0%	7,180	5,679	26.43%	0	0	0.0%	86,798	41,343	109.9%
MICRO EUR/USD	0	0	0.0%	421,912	459,026	-8.09%	0	0	0.0%	4,803,593	4,911,000	-2.2%
MICRO GBP/USD	0	0	0.0%	104,204	93,773	11.12%	0	0	0.0%	770,095	693,488	11.0%
MICRO INR/USD	0	0	0.0%	1,188	1,917	-38.03%	0	0	0.0%	17,534	21,958	-20.1%
MICRO JPY/USD	0	0	0.0%	46,053	22,236	107.11%	0	0	0.0%	346,054	291,586	18.7%
MICRO USD/CNH	0	-	-	0	-		0	-	-	36	-	-
NEW ZEALND DOLLAR	0	0	0.0%	529,459	460,041	15.09%	0	0	0.0%	5,952,116	6,193,089	-3.9%
NKR/USD CROSS RATE	0	0	0.0%	2,441	1,346	81.35%	0	0	0.0%	45,669	44,815	1.9%
POLISH ZLOTY (EC)	0	0	0.0%	66	10	560.00%	0	0	0.0%	1,376	586	134.8%
POLISH ZLOTY (US)	0	0	0.0%	699	771	-9.34%	0	0	0.0%	8,819	8,288	6.4%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	3	4	-25.0%
RUSSIAN RUBLE	0	0	0.0%	117,753	80,406	46.45%	0	0	0.0%	1,078,345	1,117,405	-3.5%
S.AFRICAN RAND	0	0	0.0%	48,508	50,492	-3.93%	0	0	0.0%	574,066	780,761	-26.5%
SF/JY CROSS RATES	0	0	0.0%	74	4	1,750.00%	0	0	0.0%	329	234	40.6%
SHEKEL	0	0	0.0%	1	8	-87.50%	0	0	0.0%	19	113	-83.2%
SKR/USD CROSS RATES	0	0	0.0%	4,168	4,141	0.65%	0	0	0.0%	49,392	39,979	23.5%
SWISS FRANC	0	0	0.0%	466,075	405,836	14.84%	0	0	0.0%	4,913,010	5,819,665	-15.6%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	8	88	-90.9%
USDZAR	0	0	0.0%	1	0	0.00%	0	0	0.0%	72	0	0.0%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	1,142	139	721.58%	0	0	0.0%	4,254	3,526	20.6%
AUD/USD MONDAY OPTION W	0	0	0.0%	495	11	4,400.00%	0	0	0.0%	3,726	1,683	121.4%
AUD/USD MONDAY OPTION W	0	0	0.0%	797	214	272.43%	0	0	0.0%	3,984	2,540	56.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	516	627	-17.70%	0	0	0.0%	4,512	2,341	92.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,370	722	89.8%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	56,817	47,481	19.66%	0	0	0.0%	493,233	724,411	-31.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	119	185	-35.68%	0	0	0.0%	7,231	5,583	29.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,695	683	148.17%	0	0	0.0%	16,675	38,596	-56.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,499	1,677	49.02%	0	0	0.0%	26,692	35,736	-25.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,416	2,145	12.63%	0	0	0.0%	29,297	39,676	-26.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,366	4,083	-17.56%	0	0	0.0%	8,641	17,321	-50.1%

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FX Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	3,062	1,447	111.61%	0	0	0.0%	11,795	12,991	-9.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	717	461	55.53%	0	0	0.0%	7,846	12,886	-39.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	127	588	-78.40%	0	0	0.0%	3,068	7,990	-61.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	576	1,456	-60.44%	0	0	0.0%	9,069	13,540	-33.0%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,985	5,691	-65.1%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	501	2	24,950.00%	0	0	0.0%	3,291	677	386.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,248	710	75.77%	0	0	0.0%	8,895	3,155	181.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	723	389	85.86%	0	0	0.0%	15,720	1,953	704.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	400	2,600	-84.62%	0	0	0.0%	10,304	8,209	25.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	802	630	27.30%	0	0	0.0%	22,507	5,272	326.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,147	3,085	2.0%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	69,526	31,531	120.50%	0	430	-100.0%	689,268	473,035	45.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	710	956	-25.73%	0	0	0.0%	27,536	12,433	121.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,834	1,169	142.43%	0	0	0.0%	45,764	64,413	-29.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,211	7,089	1.72%	0	0	0.0%	76,730	64,045	19.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,653	8,297	-31.87%	0	0	0.0%	93,050	71,552	30.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	10,929	4,928	121.77%	0	0	0.0%	28,019	30,313	-7.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,864	2,244	27.63%	0	0	0.0%	21,192	22,621	-6.3%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,273	1,636	-22.19%	0	0	0.0%	18,371	17,587	4.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,500	2,118	-29.18%	0	0	0.0%	20,167	18,781	7.4%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	785	3,189	-75.38%	0	0	0.0%	26,341	24,468	7.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	9,035	8,199	10.2%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	10,782	5,966	80.72%	0	0	0.0%	55,476	35,965	54.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	411	139	195.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	52	253	-79.45%	0	0	0.0%	2,292	1,758	30.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	179	13	1,276.92%	0	0	0.0%	1,882	1,042	80.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	45	13	246.15%	0	0	0.0%	2,431	1,445	68.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	44	918	-95.21%	0	0	0.0%	282	1,824	-84.5%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	0	0.0%
EUR/GBP WKLY FRIDAY OPTIC	0	-	-	0	-		0	-	-	0	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	3,300	5,119	-35.53%	0	0	0.0%	19,382	17,361	11.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	3,853	1,752	119.92%	0	0	0.0%	16,974	13,471	26.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,530	381	564.04%	0	0	0.0%	15,588	19,355	-19.5%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,374	1,412	-2.69%	0	0	0.0%	25,964	20,748	25.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
EUR/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,945	7,186	-17.3%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	188,804	185,282	1.90%	0	1,550	-100.0%	1,945,377	2,764,139	-29.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	358	1,622	-77.93%	0	0	0.0%	49,464	29,159	69.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	8,474	2,956	186.67%	0	62	-100.0%	125,874	183,125	-31.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,522	14,080	45.75%	0	0	0.0%	199,082	206,476	-3.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	16,177	18,673	-13.37%	0	0	0.0%	182,976	219,974	-16.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	24,176	15,772	53.28%	0	0	0.0%	85,773	78,886	8.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,043	13,242	-39.26%	0	0	0.0%	65,390	99,862	-34.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,187	4,937	25.32%	0	0	0.0%	68,528	79,633	-13.9%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,854	7,210	-32.68%	0	0	0.0%	65,238	80,627	-19.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,530	8,469	0.72%	0	0	0.0%	88,524	77,513	14.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	25,392	34,150	-25.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	306	1,435	-78.68%	0	0	0.0%	4,400	6,598	-33.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	677	533	27.02%	0	0	0.0%	5,948	3,708	60.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,658	1,498	10.68%	0	0	0.0%	4,031	5,911	-31.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,236	2,617	-52.77%	0	0	0.0%	5,555	9,202	-39.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	0	0.00%	0	0	0.0%	654	1,435	-54.4%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	83,729	91,893	-8.88%	0	64	-100.0%	732,637	863,026	-15.1%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	80	1,429	-94.40%	0	0	0.0%	12,239	9,487	29.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,443	1,971	23.95%	0	0	0.0%	24,412	35,140	-30.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,801	5,570	-67.67%	0	0	0.0%	28,279	39,995	-29.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,989	4,069	22.61%	0	0	0.0%	35,562	33,741	5.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,012	3,442	-41.55%	0	0	0.0%	10,415	16,262	-36.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,054	2,108	-2.56%	0	0	0.0%	11,701	16,663	-29.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,205	537	124.39%	0	0	0.0%	6,783	9,174	-26.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,000	358	179.33%	0	0	0.0%	6,771	15,471	-56.2%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,344	828	183.09%	0	0	0.0%	11,678	12,510	-6.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,591	7,180	-63.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	561	1,295	-56.68%	0	0	0.0%	3,852	8,895	-56.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	920	584	57.53%	0	0	0.0%	6,011	11,164	-46.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	210	204	2.94%	0	0	0.0%	3,892	7,586	-48.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	673	3,135	-78.53%	0	0	0.0%	4,029	7,081	-43.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,697	2,653	1.7%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	103,153	79,900	29.10%	0	727	-100.0%	812,132	1,182,793	-31.3%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Options												
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9	302	-97.02%	0	0	0.0%	28,297	17,142	65.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,771	913	93.98%	0	0	0.0%	51,749	105,042	-50.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,094	7,880	53.48%	0	0	0.0%	95,914	121,802	-21.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	11,059	10,598	4.35%	0	0	0.0%	91,354	116,398	-21.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,959	9,471	15.71%	0	0	0.0%	36,327	48,042	-24.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,655	5,260	7.51%	0	0	0.0%	28,311	51,481	-45.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,141	1,572	227.04%	0	0	0.0%	36,104	38,451	-6.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,877	2,897	68.35%	0	0	0.0%	31,747	46,091	-31.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,027	2,312	160.68%	0	0	0.0%	31,885	48,313	-34.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7,879	12,418	-36.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	2,790	988	182.39%	0	1,840	-100.0%	14,532	15,193	-4.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4,413	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	604	1,748	-65.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	276	-100.00%	0	0	0.0%	552	2,174	-74.6%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	326	-100.00%	0	0	0.0%	631	2,676	-76.4%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	152	-100.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	553	177	212.43%	0	0	0.0%	1,911	4,831	-60.4%
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%	55	0	0.00%	0	0	0.0%	67	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	0.0%	0	98	-100.00%	0	0	0.0%	68	191	-64.4%

Ags Futures

FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	54	90	-40.0%
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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 OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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%	173	317	-45.43%	0	0	0.0%	4,533	7,210	-37.1%
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	605	214	182.71%	0	0	0.0%	6,334	2,439	159.7%
BUTTER CS	0	0	0.0%	3,641	4,599	-20.83%	0	0	0.0%	38,615	54,857	-29.6%
CASH-SETTLED CHEESE	0	0	0.0%	11,038	14,395	-23.32%	0	0	0.0%	114,235	130,412	-12.4%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	886,887	1,225,680	-27.64%	0	2,592	-100.0%	11,682,664	13,987,511	-16.5%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	50	-100.0%
CHI WHEAT	0	0	0.0%	1,719,357	2,729,120	-37.00%	0	12,092	-100.0%	25,170,767	27,923,023	-9.9%
CLASS IV MILK	0	0	0.0%	4,068	394	932.49%	0	65	-100.0%	13,276	21,751	-39.0%
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	2	0.0%
CORN	0	0	0.0%	4,752,793	7,971,365	-40.38%	0	18,145	-100.0%	71,597,610	73,189,244	-2.2%
COTTON	0	0	0.0%	0	27	-100.00%	0	0	0.0%	0	57	-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%	21,845	11,951	82.79%	0	0	0.0%	504,866	293,905	71.8%
DRY WHEY	0	0	0.0%	1,335	1,569	-14.91%	0	0	0.0%	19,493	14,057	38.7%
FEEDER CATTLE	0	0	0.0%	253,610	296,802	-14.55%	0	54	-100.0%	2,595,235	2,767,106	-6.2%
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	3,965	12,108	-67.25%	0	0	0.0%	84,781	149,934	-43.5%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	151	85	77.6%
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	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%	747,655	869,084	-13.97%	0	1,940	-100.0%	9,678,623	10,838,155	-10.7%
HOUSING INDEX	0	0	0.0%	10	2	400.00%	0	0	0.0%	132	262	-49.6%
Intercommodity Spread	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 OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
KC WHEAT	0	0	0.0%	888,066	1,070,569	-17.05%	0	1,534	-100.0%	10,513,533	11,584,911	-9.2%
LUMBER	0	0	0.0%	7,935	9,071	-12.52%	0	0	0.0%	97,695	133,557	-26.9%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	29,598	36,240	-18.33%	0	59	-100.0%	241,002	352,580	-31.6%
MINI CORN	0	0	0.0%	30,014	54,301	-44.73%	0	0	0.0%	619,640	251,578	146.3%
MINI SOYBEAN	0	0	0.0%	45,272	85,368	-46.97%	0	0	0.0%	575,616	373,545	54.1%
MINI WHEAT	0	0	0.0%	17,172	19,767	-13.13%	0	0	0.0%	205,878	137,286	50.0%
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%	6,238	5,560	12.19%	0	0	0.0%	53,538	79,498	-32.7%
OATS	0	0	0.0%	13,609	9,537	42.70%	0	0	0.0%	106,866	110,440	-3.2%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	-	-	966	-		0	-	-	24,161	-	-
ROUGH RICE	0	0	0.0%	24,424	25,644	-4.76%	0	0	0.0%	162,674	211,188	-23.0%
SOYBEAN	0	0	0.0%	4,995,400	7,127,481	-29.91%	0	10,769	-100.0%	42,709,542	47,600,107	-10.3%
SOYBEAN MEAL	0	0	0.0%	2,415,204	2,505,024	-3.59%	0	1,333	-100.0%	20,594,960	24,186,381	-14.8%
SOYBEAN OIL	0	0	0.0%	2,394,707	2,623,377	-8.72%	0	4,078	-100.0%	26,735,217	26,652,612	0.3%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SUGAR 11	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	10	-100.0%
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%	2,582	6,953	-62.86%	0	0	0.0%	31,373	21,011	49.3%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	77	-100.0%
BLOCK CHEESE	0	0	0.0%	42	359	-88.30%	0	2,052	-100.0%	2,964	6,152	-51.8%
BUTTER CS	0	0	0.0%	2,339	1,851	26.36%	0	212	-100.0%	19,099	29,200	-34.6%
CASH-SETTLED CHEESE	0	0	0.0%	4,038	15,853	-74.53%	0	5,682	-100.0%	61,765	113,217	-45.4%
CATTLE	0	0	0.0%	165,880	211,735	-21.66%	0	59,913	-100.0%	1,880,483	2,234,206	-15.8%
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%	522,768	841,736	-37.89%	0	202,275	-100.0%	4,566,461	6,529,882	-30.1%
CLASS IV MILK	0	0	0.0%	7,972	706	1,029.18%	0	1,082	-100.0%	39,294	44,426	-11.6%

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CME Group Exchange Volume Comparison Report - Monthly

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Ag Products Options												
CORN	0	0	0.0%	1,906,885	3,044,113	-37.36%	0	536,597	-100.0%	28,178,460	18,938,058	48.8%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	10,120	3,469	191.73%	0	14,975	-100.0%	124,896	49,088	154.4%
DEC-DEC CORN CAL SPRD	0	0	0.0%	1,400	115	1,117.39%	0	250	-100.0%	2,917	1,885	54.7%
DEC-JULY CORN CAL SPRD	0	0	0.0%	6,250	706	785.27%	0	175	-100.0%	22,235	3,387	556.5%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,545	-100.0%
DRY WHEY	0	0	0.0%	12	24	-50.00%	0	119	-100.0%	1,758	4,264	-58.8%
FEEDER CATTLE	0	0	0.0%	22,837	28,256	-19.18%	0	4,252	-100.0%	216,053	255,493	-15.4%
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%	164,408	175,099	-6.11%	0	34,430	-100.0%	2,049,964	2,668,938	-23.2%
HOUSING INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	7,987	-100.0%	271	3,299	-91.8%
JAN-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	20	-100.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	0	4,402	-100.00%	0	11,810	-100.0%	40,105	11,547	247.3%
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%	0	0	0.00%	0	0	0.0%	0	125	-100.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	1,520	-100.0%	100	2,136	-95.3%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	10	-100.00%	0	50	-100.0%	0	80	-100.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	650	0	0.00%	0	4,950	-100.0%	3,072	9,100	-66.2%
KC WHEAT	0	0	0.0%	85,284	135,342	-36.99%	0	36,570	-100.0%	642,702	986,681	-34.9%
LUMBER	0	0	0.0%	379	579	-34.54%	0	0	0.0%	7,079	8,837	-19.9%
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%	50	0	0.00%	0	2,500	-100.0%	450	0	0.0%
MAR-JULY SOYBEAN CAL SPR	0	-	-	0	-		0	-	-	0	-	-
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	225	-100.00%	0	0	0.0%	0	440	-100.0%
MILK	0	0	0.0%	30,853	39,251	-21.40%	0	3,323	-100.0%	252,310	463,687	-45.6%
MLK MID OPTIONS	0	0	0.0%	1	7	-85.71%	0	31	-100.0%	16	93	-82.8%
NFD MILK	0	0	0.0%	2,735	4,241	-35.51%	0	494	-100.0%	34,148	63,407	-46.1%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	500	-100.00%	0	0	0.0%	0	2,670	-100.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	100	-100.00%	0	100	-100.0%	150	1,335	-88.8%
NOV-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	180	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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												
OATS	0	0	0.0%	899	797	12.80%	0	720	-100.0%	3,506	2,251	55.8%
PORK CUTOUT	0	-	-	1	-		0	-	-	750	-	-
ROUGH RICE	0	0	0.0%	1,117	306	265.03%	0	6,492	-100.0%	7,174	13,866	-48.3%
SOYBEAN	0	0	0.0%	1,272,871	1,915,925	-33.56%	0	275,778	-100.0%	15,746,498	12,212,223	28.9%
SOYBEAN CRUSH	0	0	0.0%	41	700	-94.14%	0	830	-100.0%	1,231	2,512	-51.0%
SOYBEAN MEAL	0	0	0.0%	223,771	363,188	-38.39%	0	84,223	-100.0%	2,196,452	2,363,902	-7.1%
SOYBEAN OIL	0	0	0.0%	230,207	277,376	-17.01%	0	106,072	-100.0%	2,857,077	1,736,631	64.5%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	220	5,985	-96.32%	0	335	-100.0%	20,274	11,155	81.7%
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%	311	3,936	-92.10%	0	16	-100.0%	6,787	12,360	-45.1%
WHEAT-CORN ICSCO	0	0	0.0%	20	925	-97.84%	0	70	-100.0%	851	6,183	-86.2%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	378	700	-46.00%	0	1,251	-100.0%	5,845	5,401	8.2%
TOTAL FUTURES GROUP												
Interest Rate Futures	741,053	115,114	543.8%	159,468,262	88,378,328	80.4%	4,550,444	3,558,505	27.9%	1,445,053,096	1,281,983,321	12.7%
Equity Index Futures	0	0	0.0%	92,741,957	104,034,832	-10.9%	0	33,712	-100.0%	967,027,071	1,053,603,279	-8.2%
Metals Futures	0	0	0.0%	8,549,949	10,293,133	-16.9%	0	0	0.0%	104,508,034	133,682,463	-21.8%
Energy Futures	0	0	0.0%	45,040,079	35,320,042	27.5%	0	0	0.0%	387,317,314	442,805,537	-12.5%
FX Futures	0	0	0.0%	14,225,856	14,699,685	-3.2%	0	36	-100.0%	156,315,919	171,056,034	-8.6%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	54	90	-40.0%
Foreign Exchange Futures	-	0	0.0%	-	0	0.0%	-	0	0.0%	-	0	0.0%
Ag Products Futures	0	0	0.0%	19,277,996	26,716,202	-27.8%	0	52,661	-100.0%	224,178,501	241,067,579	-7.0%
TOTAL FUTURES	741,053	115,114	543.8%	339,304,099	279,442,222	21.4%	4,550,444	3,644,914	24.8%	3,284,399,989	3,324,198,303	-1.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2021	Open Outcry OCT 2020	% CHG	ELEC OCT 2021	ELEC OCT 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 OPTIONS GROUP												
Equity Index Options	0	0	0.0%	17,605,875	14,231,135	23.7%	0	1,658,011	-100.0%	141,683,465	153,590,291	-7.8%
Interest Rate Options	17,462,034	5,405,099	223.1%	28,920,194	18,279,994	58.2%	134,022,228	85,156,852	57.4%	258,894,713	298,565,778	-13.3%
Metals Options	0	0	0.0%	873,430	908,451	-3.9%	0	0	0.0%	9,242,932	12,466,441	-25.9%
Energy Options	0	0	0.0%	3,207,654	3,324,409	-3.5%	0	0	0.0%	32,463,901	35,673,446	-9.0%
FX Options	0	0	0.0%	761,628	663,231	14.8%	0	4,673	-100.0%	6,995,167	8,671,527	-19.3%
Ag Products Options	0	0	0.0%	4,664,739	7,078,517	-34.1%	0	1,407,841	-100.0%	58,993,197	48,799,939	20.9%
Foreign Exchange Options	0	0	0.0%	173	317	-45.4%	0	0	0.0%	4,533	7,210	-37.1%
TOTAL OPTIONS	17,462,034	5,405,099	223.1%	56,033,693	44,486,054	26.0%	134,022,228	88,227,377	51.9%	508,277,908	557,774,632	-8.9%
TOTAL COMBINED												
Interest Rate	18,203,087	5,520,213	229.8%	188,388,456	106,658,322	76.6%	138,572,672	88,715,357	56.2%	1,703,947,809	1,580,549,099	7.8%
Equity Index	0	0	0.0%	110,347,832	118,265,967	-6.7%	0	1,691,723	-100.0%	1,108,710,536	1,207,193,570	-8.2%
Metals	0	0	0.0%	9,423,379	11,201,584	-15.9%	0	0	0.0%	113,750,966	146,148,904	-22.2%
Energy	0	0	0.0%	48,247,733	38,644,451	24.9%	0	0	0.0%	419,781,215	478,478,983	-12.3%
FX	0	0	0.0%	14,987,484	15,362,916	-2.4%	0	4,709	-100.0%	163,311,086	179,727,561	-9.1%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	54	90	-40.0%
Foreign Exchange	0	0	0.0%	173	317	-45.4%	0	0	0.0%	4,533	7,210	-37.1%
Ag Products	0	0	0.0%	23,942,735	33,794,719	-29.2%	0	1,460,502	-100.0%	283,171,698	289,867,518	-2.3%
GRAND TOTAL	18,203,087	5,520,213	229.8%	395,337,792	323,928,276	22.0%	138,572,672	91,872,291	50.8%	3,792,677,897	3,881,972,935	-2.3%

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