



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Interest Rate Futures												
10-YR Eris LIBOR	0	0	0.0%	2,093	2,275	-8.00%	0	0	0.0%	44,156	21,237	107.9%
10-YR Eris SOFR	0	0	0.0%	14	100	-86.00%	0	0	0.0%	763	280	172.5%
10-YR MAC LIBOR	0	0	0.0%	5,087	32,827	-84.50%	0	0	0.0%	150,656	530,866	-71.6%
10-YR MAC SOFR	0	-	-	2	-	-	0	-	-	2	-	-
10-YR NOTE	0	0	0.0%	33,390,372	35,866,012	-6.90%	0	0	0.0%	379,469,102	382,467,894	-0.8%
10Y YIELD	0	0	0.0%	113,109	150,284	-24.74%	0	0	0.0%	1,029,433	590,117	74.4%
15-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
1-MONTH EURODOLLAR	0	0	0.0%	48	2	2,300.00%	0	0	0.0%	337	2	16,750.0%
1-YR Eris BSBY	0	-	-	0	-	-	0	-	-	1,600	-	-
1-YR Eris SOFR	0	0	0.0%	731	41,940	-98.26%	0	0	0.0%	201,416	695,768	-71.1%
20-YR BOND	0	-	-	1,846	-	-	0	-	-	32,128	-	-
20-YR SWAP RATE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	689	4,923	-86.00%	0	0	0.0%	80,874	28,841	180.4%
2-YR Eris SOFR	0	0	0.0%	2,938	14,482	-79.71%	0	0	0.0%	94,977	40,032	137.3%
2-YR NOTE	0	0	0.0%	9,629,879	9,066,820	6.21%	0	0	0.0%	131,346,523	84,273,374	55.9%
2Y YIELD	0	0	0.0%	9,623	11,575	-16.86%	0	0	0.0%	79,680	17,063	367.0%
30-YR BOND	0	0	0.0%	6,680,687	8,774,120	-23.86%	0	0	0.0%	79,632,358	92,950,439	-14.3%
30-YR Eris LIBOR	0	0	0.0%	0	261	-100.00%	0	0	0.0%	185	261	-29.1%
30-YR SWAP RATE	0	0	0.0%	0	9	-100.00%	0	0	0.0%	304	113	169.0%
30Y YIELD	0	0	0.0%	11,210	8,712	28.67%	0	0	0.0%	101,711	16,013	535.2%
3-YR Eris BSBY	0	-	-	0	-	-	0	-	-	4	-	-
3-YR Eris LIBOR	0	0	0.0%	370	9,788	-96.22%	0	0	0.0%	51,821	34,172	51.6%
3-YR Eris SOFR	0	0	0.0%	4,926	3,512	40.26%	0	0	0.0%	33,765	14,861	127.2%
3-YR NOTE	0	0	0.0%	235,977	366,500	-35.61%	0	0	0.0%	3,349,032	1,975,361	69.5%
4-YR Eris LIBOR	0	0	0.0%	170	1,234	-86.22%	0	0	0.0%	30,338	23,209	30.7%
4-YR Eris SOFR	0	0	0.0%	1,007	1,270	-20.71%	0	0	0.0%	6,491	5,950	9.1%
5-YR Eris LIBOR	0	0	0.0%	10,517	29,774	-64.68%	0	0	0.0%	223,107	220,688	1.1%
5-YR Eris SOFR	0	0	0.0%	1,111	970	14.54%	0	0	0.0%	21,363	4,725	352.1%
5-YR MAC LIBOR	0	0	0.0%	53,810	67,273	-20.01%	0	0	0.0%	347,166	505,641	-31.3%
5-YR NOTE	0	0	0.0%	21,426,272	20,416,533	4.95%	0	0	0.0%	263,441,998	221,164,452	19.1%
5Y YIELD	0	0	0.0%	578	8,820	-93.45%	0	0	0.0%	21,839	15,539	40.5%
7-YR Eris LIBOR	0	0	0.0%	1,643	2,649	-37.98%	0	0	0.0%	25,156	20,811	20.9%
7-YR Eris SOFR	0	-	-	69	-	-	0	-	-	380	-	-

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Interest Rate Futures												
BSBY 3-MONTH FUTURES	0	0	0.0%	25,525	158,740	-83.92%	0	0	0.0%	539,248	300,427	79.5%
EURODOLLARS	632,652	741,053	-14.6%	17,085,381	65,462,848	-73.90%	7,464,581	4,550,444	64.0%	356,446,490	493,750,734	-27.8%
FED FUND	0	0	0.0%	6,427,977	3,717,498	72.91%	0	0	0.0%	71,747,874	19,798,747	262.4%
SOFR	231,401	0	0.0%	40,807,609	4,944,746	725.27%	1,025,635	0	0.0%	346,697,506	26,649,399	1,201.0%
SONIA	0	0	0.0%	0	19,085	-100.00%	0	0	0.0%	1,293	798,109	-99.8%
TIIE	0	0	0.0%	35	40	-12.50%	0	0	0.0%	916	779	17.6%
Ultra 10-Year Note	0	0	0.0%	6,802,784	6,525,730	4.25%	0	0	0.0%	77,009,648	73,274,275	5.1%
ULTRA T-BOND	0	0	0.0%	3,597,455	3,756,910	-4.24%	0	0	0.0%	45,585,102	44,862,917	1.6%
Interest Rate Options												
10-YR NOTE	0	0	0.0%	13,354,341	11,089,905	20.42%	0	0	0.0%	134,980,487	130,947,708	3.1%
2-YR NOTE	0	0	0.0%	215,044	25,037	758.90%	0	0	0.0%	808,051	136,271	493.0%
30-YR BOND	0	0	0.0%	2,390,931	2,521,238	-5.17%	0	0	0.0%	24,835,273	26,824,314	-7.4%
5-YR NOTE	0	0	0.0%	4,591,026	3,213,658	42.86%	0	0	0.0%	50,277,439	30,745,921	63.5%
EURODOLLARS	4,159,347	5,175,362	-19.6%	6,796,048	2,707,118	151.04%	75,391,175	27,697,588	172.2%	39,586,899	14,579,229	171.5%
EURO MIDCURVE	723,808	12,286,672	-94.1%	377,028	9,362,421	-95.97%	40,973,885	106,317,330	-61.5%	21,262,186	55,653,021	-61.8%
FED FUND	0	0	0.0%	4,000	0	0.00%	0	0	0.0%	4,045	0	0.0%
SOFR	9,044,344	0	0.0%	3,415,804	0	0.00%	35,524,629	7,310	485,873.0%	13,173,744	1,342	981,550.1%
SOFR MIDCURVE	2,226,563	0	0.0%	1,023,941	25	4,095,664.00%	10,516,524	0	0.0%	4,045,826	85	4,759,695.3%
Ultra 10-Year Note	0	0	0.0%	75	0	0.00%	0	0	0.0%	826	46	1,695.7%
ULTRA T-BOND	0	0	0.0%	1,693	792	113.76%	0	0	0.0%	23,448	6,776	246.0%
Equity Index Futures												
BITCOIN	0	0	0.0%	266,286	255,650	4.16%	0	0	0.0%	2,129,293	2,136,069	-0.3%
DJ US REAL ESTATE SECTOR	0	0	0.0%	35,903	26,502	35.47%	0	0	0.0%	355,347	335,873	5.8%
E-mini (\$5) Dow	0	0	0.0%	4,197,769	3,644,793	15.17%	0	0	0.0%	42,851,287	36,583,432	17.1%
E-mini FTSE China 50	0	0	0.0%	116	144	-19.44%	0	0	0.0%	7,122	665	971.0%
E-MINI MIDCAP	0	0	0.0%	291,192	248,318	17.27%	0	0	0.0%	3,325,621	2,564,556	29.7%
E-MINI NASDAQ 100	0	0	0.0%	15,974,485	11,154,495	43.21%	0	0	0.0%	148,974,499	113,640,738	31.1%

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Equity Index Futures												
E-MINI RUSSELL 1000	0	0	0.0%	1,613	4,014	-59.82%	0	0	0.0%	30,269	44,644	-32.2%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,729	2,202	23.93%	0	0	0.0%	46,624	31,389	48.5%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,337	2,851	-18.03%	0	0	0.0%	78,757	77,847	1.2%
E-MINI RUSSELL 2000	0	0	0.0%	5,141,662	3,522,740	45.96%	0	0	0.0%	50,599,453	40,670,665	24.4%
E-MINI S&P500	0	0	0.0%	47,784,324	28,690,411	66.55%	0	0	0.0%	421,493,030	327,483,150	28.7%
E-MINI S&P500 ESG	0	0	0.0%	26,163	12,307	112.59%	0	0	0.0%	260,397	132,649	96.3%
ETHER	0	-	-	0	-	-	0	-	-	7	-	-
ETHER FUTURES	0	0	0.0%	131,553	114,603	14.79%	0	0	0.0%	1,321,417	674,938	95.8%
FT-SE 100	0	0	0.0%	145	57	154.39%	0	0	0.0%	1,524	258	490.7%
FTSE Emerging	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	0	0	0.0%	52	379	-86.28%	0	0	0.0%	581	2,233	-74.0%
MICRO BITCOIN	0	0	0.0%	218,951	570,675	-61.63%	0	0	0.0%	3,220,940	2,728,074	18.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	31,704,461	19,586,443	61.87%	0	0	0.0%	315,858,218	193,176,393	63.5%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	2,931,274	2,939,925	-0.29%	0	0	0.0%	28,854,544	31,337,891	-7.9%
MICRO E-MINI S&P500	0	0	0.0%	33,300,874	17,825,532	86.82%	0	0	0.0%	290,713,102	178,549,646	62.8%
MICRO ETHER	0	-	-	329,615	-	-	0	-	-	4,251,026	-	-
MICRO MINI \$5 DOW	0	0	0.0%	3,671,649	3,056,552	20.12%	0	0	0.0%	38,801,024	27,073,147	43.3%
NASDAQ-100 VOLATILITY	0	0	0.0%	70	2	3,400.00%	0	0	0.0%	18,519	97	18,991.8%
NASDAQ BIOTECH SECTOR	0	0	0.0%	202	88	129.55%	0	0	0.0%	2,160	5,571	-61.2%
Nearby BTIC+	0	0	0.0%	750	100	650.00%	0	0	0.0%	5,200	456	1,040.4%
NIKKEI 225 (\$) STOCK	0	0	0.0%	100,356	148,247	-32.30%	0	0	0.0%	1,173,271	1,330,778	-11.8%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	759,153	810,581	-6.34%	0	0	0.0%	7,913,855	6,721,332	17.7%
PHLX SEMICONDUCTOR SECT	0	-	-	829	-	-	0	-	-	1,463	-	-
S&P 500	0	0	0.0%	4,003	202	1,881.68%	0	0	0.0%	5,846	12,787	-54.3%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	30,538	12,754	139.44%	0	0	0.0%	287,156	136,308	110.7%
S&P 500/GI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	2,889	100	2,789.00%	0	0	0.0%	18,228	864	2,009.7%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
S&P BIOTECHNOLOGY SECTO	0	-	-	934	-	-	0	-	-	8,141	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	3,037	1,272	138.76%	0	0	0.0%	34,593	27,650	25.1%
S&P CONSUMER DISCRETION	0	0	0.0%	6,711	8,681	-22.69%	0	0	0.0%	71,958	96,104	-25.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	13,696	10,863	26.08%	0	0	0.0%	173,599	173,415	0.1%
S&P ENERGY SECTOR	0	0	0.0%	30,772	20,156	52.67%	0	0	0.0%	456,266	277,814	64.2%
S&P FINANCIAL SECTOR	0	0	0.0%	15,009	15,195	-1.22%	0	0	0.0%	242,746	307,930	-21.2%

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Equity Index Futures												
S&P HEALTH CARE SECTOR	0	0	0.0%	9,387	13,815	-32.05%	0	0	0.0%	182,317	154,033	18.4%
S&P INDUSTRIAL SECTOR	0	0	0.0%	10,630	5,797	83.37%	0	0	0.0%	133,432	103,389	29.1%
S&P MATERIALS SECTOR	0	0	0.0%	7,209	5,275	36.66%	0	0	0.0%	85,266	86,075	-0.9%
S&P OIL & GAS EXPLORATION	0	-	-	494	-		0	-	-	4,319	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	3,272	2,823	15.91%	0	0	0.0%	42,553	43,325	-1.8%
S&P REGIONAL BANKS SECTO	0	-	-	472	-		0	-	-	2,039	-	-
S&P RETAIL SECTOR	0	-	-	180	-		0	-	-	2,839	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	25,028	5,641	343.68%	0	0	0.0%	213,864	118,051	81.2%
S&P UTILITIES SECTOR	0	0	0.0%	14,092	16,098	-12.46%	0	0	0.0%	177,997	162,590	9.5%
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	0	0.0%	0	2	-100.00%	0	0	0.0%	592	946	-37.4%
YEN DENOMINATED TOPIX	0	0	0.0%	39	5,672	-99.31%	0	0	0.0%	19,805	23,294	-15.0%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	1,760	1,130	55.75%	0	0	0.0%	14,669	11,315	29.6%
DJIA	0	-	-	3,079	-		0	-	-	4,971	-	-
E-mini (\$5) Dow	0	0	0.0%	2,616	3,217	-18.68%	0	0	0.0%	21,868	17,017	28.5%
E-MINI NASDAQ 100	0	0	0.0%	1,059,100	669,301	58.24%	0	0	0.0%	10,071,589	5,648,949	78.3%
E-mini Russell 2000	0	0	0.0%	100,109	100,424	-0.31%	0	0	0.0%	1,042,329	913,929	14.0%
E-MINI RUSSELL 2000	0	0	0.0%	25,800	21,025	22.71%	0	0	0.0%	314,938	277,523	13.5%
E-mini S&P 500	0	0	0.0%	13,500,954	9,830,745	37.33%	0	0	0.0%	111,802,246	71,542,094	56.3%
E-MINI S&P500	0	0	0.0%	13,908,599	6,706,737	107.38%	0	0	0.0%	111,334,549	61,379,608	81.4%
EOM S&P 500	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,156	-100.0%
ETHER OPTIONS	0	-	-	296	-		0	-	-	394	-	-
MICRO BITCOIN	0	-	-	7,057	-		0	-	-	71,017	-	-
Micro E-mini Nasdaq-100	0	0	0.0%	40,407	38,834	4.05%	0	0	0.0%	429,730	277,164	55.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	6,684	3,959	68.83%	0	0	0.0%	116,132	56,428	105.8%
Micro E-mini S&P 500	0	0	0.0%	221,386	230,503	-3.96%	0	0	0.0%	2,335,297	1,557,082	50.0%
MICRO ETHER	0	-	-	39,574	-		0	-	-	242,189	-	-
S&P 500	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	200	-100.0%

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Metals Futures												
ALUMINUM	0	0	0.0%	52,849	15,206	247.55%	0	0	0.0%	324,097	121,487	166.8%
COBALT METAL FUTURES	0	0	0.0%	1	0	0.00%	0	0	0.0%	15	12	25.0%
COMEX COPPER	0	0	0.0%	1,808,044	1,764,794	2.45%	0	0	0.0%	17,581,755	21,245,143	-17.2%
COMEX E-Mini GOLD	0	0	0.0%	45,577	18,826	142.10%	0	0	0.0%	320,033	226,549	41.3%
COMEX E-Mini SILVER	0	0	0.0%	4,378	3,776	15.94%	0	0	0.0%	38,364	59,142	-35.1%
COMEX GOLD	0	0	0.0%	3,927,652	4,065,110	-3.38%	0	0	0.0%	44,523,427	48,292,347	-7.8%
COMEX MINY COPPER	0	0	0.0%	2,817	8,878	-68.27%	0	0	0.0%	34,953	46,973	-25.6%
COMEX SILVER	0	0	0.0%	1,322,197	1,163,448	13.64%	0	0	0.0%	13,865,778	16,488,835	-15.9%
COPPER	0	0	0.0%	71,359	0	0.00%	0	0	0.0%	417,140	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	281	361	-22.16%	0	0	0.0%	3,949	7,106	-44.4%
GOLD	0	0	0.0%	798	12,906	-93.82%	0	0	0.0%	59,990	75,056	-20.1%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,624	230	606.09%	0	0	0.0%	7,922	1,653	379.2%
IRON ORE 62 CHINA TSI FUTU	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	16	-100.0%
METALS	0	0	0.0%	35	0	0.00%	0	0	0.0%	106	0	0.0%
MICRO GOLD	0	0	0.0%	941,893	1,054,682	-10.69%	0	0	0.0%	10,680,912	11,922,754	-10.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	6,331	4,566	38.66%	0	0	0.0%	51,249	42,286	21.2%
NYMEX PLATINUM	0	0	0.0%	404,976	292,422	38.49%	0	0	0.0%	4,100,292	3,550,304	15.5%
PALLADIUM	0	0	0.0%	38,634	41,136	-6.08%	0	0	0.0%	434,468	457,920	-5.1%
SILVER	0	0	0.0%	173,016	103,555	67.08%	0	0	0.0%	1,620,641	1,969,908	-17.7%
URANIUM	0	0	0.0%	0	53	-100.00%	0	0	0.0%	24	543	-95.6%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Metals Options												
ALUMINUM	0	0	0.0%	237	0	0.00%	0	0	0.0%	455	0	0.0%
COMEX COPPER	0	0	0.0%	58,949	46,091	27.90%	0	0	0.0%	596,643	418,501	42.6%
COMEX GOLD	0	0	0.0%	652,453	572,154	14.03%	0	0	0.0%	7,261,476	5,768,034	25.9%
COMEX SILVER	0	0	0.0%	133,547	91,135	46.54%	0	0	0.0%	1,030,967	1,366,689	-24.6%
COPPER	0	0	0.0%	4,062	17	23,794.12%	0	0	0.0%	18,481	199	9,186.9%
GOLD	0	0	0.0%	192,449	148,623	29.49%	0	0	0.0%	2,078,511	1,573,307	32.1%
HOT ROLLED COIL STEEL CAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI CALL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IRON ORE 62 CHINA TSI PUT O	-	0	0.0%	-	0	0.00%	-	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%	312	449	-30.51%	0	0	0.0%	4,842	4,859	-0.3%
PALLADIUM	0	0	0.0%	8	12	-33.33%	0	0	0.0%	135	692	-80.5%
SILVER	0	0	0.0%	29,381	14,949	96.54%	0	0	0.0%	192,478	110,651	74.0%
Energy Futures												
3.5% FUEL OIL CID MED SWA	-	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%
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	0.00%	-	0	0.0%	-	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,417,149	2,080,706	-31.89%	0	0	0.0%	14,487,397	20,040,233	-27.7%
CAR VINTAGE	0	0	0.0%	5,264	3,460	52.14%	0	0	0.0%	60,413	17,196	251.3%
CHICAGO ETHANOL SWAP	0	0	0.0%	175	906	-80.68%	0	0	0.0%	1,503	3,345	-55.1%
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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
CIG BASIS	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW REAL TIME O P	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CIN HUB 5MW REAL TIME PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
COLUMB GULF MAINLINE NG B	-	0	0.0%	-	0	0.00%	-	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%	1	0	0.00%	0	0	0.0%	75	31	141.9%
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%	190	0	0.00%	0	0	0.0%	190	0	0.0%
CRUDE OIL PHY	0	0	0.0%	16,151,786	25,320,827	-36.21%	0	0	0.0%	197,119,752	208,472,476	-5.4%
CRUDE OIL SPRDS	0	0	0.0%	35	0	0.00%	0	0	0.0%	35	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	0.00%	-	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%	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	0.00%	-	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%	0	3,988	-100.00%	0	0	0.0%	10,828	388,948	-97.2%
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%	12	1	1,100.0%
ELEC FINSETTLED	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%
EMMISSIONS	0	-	-	1,437	-	-	0	-	-	19,037	-	-
ETHANOL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	262	-100.0%
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 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	0.00%	-	0	0.0%	-	0	0.0%
EURO GASOIL 10 CAL SWAP	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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	0.00%	-	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%	99	52	90.38%	0	0	0.0%	2,505	454	451.8%
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	0.00%	-	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%	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	46	-100.00%	0	0	0.0%	0	136	-100.0%
GROUP THREE UNLEAD GAS (-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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%	3,447,055	3,638,608	-5.26%	0	0	0.0%	32,977,695	30,197,116	9.2%
HENRY HUB BASIS SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB FINANCIAL LAST	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB INDEX SWAP FUT	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
HENRY HUB SWAP	0	0	0.0%	162	0	0.00%	0	0	0.0%	1,470	31	4,641.9%
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%	0	0	0.00%	0	0	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%
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 CIF NWE VS ICE	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	0.00%	-	0	0.0%	-	0	0.0%
LTD NAT GAS	0	0	0.0%	243,614	290,241	-16.06%	0	0	0.0%	2,402,861	2,335,755	2.9%
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	0.00%	-	0	0.0%	-	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	265	1,645	-83.89%	0	0	0.0%	6,259	21,282	-70.6%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	4	-100.00%	0	0	0.0%	140	217	-35.5%
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	0.00%	-	0	0.0%	-	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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%	10	4	150.00%	0	0	0.0%	86	61	41.0%
MINY NATURAL GAS	0	0	0.0%	198,820	529,394	-62.44%	0	0	0.0%	3,085,527	1,784,819	72.9%
MINY RBOB GAS	0	0	0.0%	7	7	0.00%	0	0	0.0%	90	86	4.7%
MINY WTI CRUDE OIL	0	0	0.0%	463,840	431,708	7.44%	0	0	0.0%	6,121,343	4,162,875	47.0%
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%	310	325	-4.6%
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%	198	37	435.14%	0	0	0.0%	527	494	6.7%
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%	46	0	0.00%	0	0	0.0%	221	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	15	-100.00%	0	0	0.0%	0	40	-100.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	32,982	86,817	-62.01%	0	0	0.0%	429,033	535,065	-19.8%
NATURAL GAS PEN SWP	0	0	0.0%	0	15	-100.00%	0	0	0.0%	0	133	-100.0%
NATURAL GAS PHY	0	0	0.0%	6,296,137	8,878,810	-29.09%	0	0	0.0%	70,186,789	80,866,141	-13.2%
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	0.00%	-	0	0.0%	-	0	0.0%
NEPOOL NE MASS 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	0.00%	-	0	0.0%	-	0	0.0%
NGPL TEX/OK	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
NORTHWEST ROCKIES BASIS	-	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 HARBOR 1% FUEL OIL BAL	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 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	72	24	200.0%
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%
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	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE J 5MW D AH PK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ALUMINUM FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NYMEX ULSD VS NYMEX HO	-	0	0.0%	-	0	0.00%	-	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%
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	0.00%	-	0	0.0%	-	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	50	-100.00%	0	0	0.0%	0	50	-100.0%
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 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	0.00%	-	0	0.0%	-	0	0.0%
PJM DAYTON DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM MONTHLY	-	0	0.0%	-	0	0.00%	-	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 PECO ZONE5MW PEAK C	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PSEG DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM PSEG DA PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTH DA OFF-PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
PJM WESTHDA 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 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
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%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MT. BEL (0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	-	-	0	-		0	-	-	0	-	-
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	2,883,787	3,772,739	-23.56%	0	0	0.0%	33,842,348	38,487,183	-12.1%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SAN JUAN BASIS SWAP	-	0	0.0%	-	0	0.00%	-	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%	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	0.00%	-	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%
Sumas Basis Swap	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
TD3 MEG TO JAPAN 250K MT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Energy Futures												
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FU	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2,535	-100.0%
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	0.00%	-	0	0.0%	-	0	0.0%
WTI-BRENT BULLET SWAP	-	0	0.0%	-	0	0.00%	-	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%	3,598	3,028	18.82%	0	0	0.0%	30,577	31,310	-2.3%
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%	400	0	0.00%	0	0	0.0%	32,658	42,180	-22.6%
CRUDE OIL APO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	-	-	4,173	-	-	0	-	-	5,601	-	-
CRUDE OIL PHY	0	0	0.0%	1,554,271	2,523,258	-38.40%	0	0	0.0%	20,132,583	19,779,182	1.8%
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	-	-
HEATING OIL CRK SPD AVG P	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,129	3,048	-30.15%	0	0	0.0%	22,539	20,412	10.4%
HENRY HUB FINANCIAL LAST	0	0	0.0%	3,243	0	0.00%	0	0	0.0%	6,156	40	15,290.0%
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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Options												
MCCLOSKY ARA ARGS COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKY RCH BAY COAL	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NATURAL GAS	0	-	-	0	-		0	-	-	4,743	-	-
NATURAL GAS 1 M CSO FIN	0	0	0.0%	550	1,984	-72.28%	0	0	0.0%	6,250	10,734	-41.8%
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%	800	200	300.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	857,883	671,576	27.74%	0	0	0.0%	9,925,221	12,546,876	-20.9%
NATURAL GAS SUMMER STRIF	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS WINTER STRIP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	226	29	679.31%	0	0	0.0%	1,881	655	187.2%
PETROCHEMICALS	0	0	0.0%	0	13	-100.00%	0	0	0.0%	12	75	-84.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	-	-	0	-		0	-	-	0	-	-
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	187	1,463	-87.22%	0	0	0.0%	9,134	20,847	-56.2%
SAN JUAN PIPE SWAP	-	0	0.0%	-	0	0.00%	-	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%	1,875	2,900	-35.34%	0	0	0.0%	10,020	10,000	0.2%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	300	355	-15.49%	0	0	0.0%	571	1,390	-58.9%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	53	14	278.57%	0	0	0.0%	519	172	201.7%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
AD/JY CROSS RATES	0	0	0.0%	3,643	2,542	43.31%	0	0	0.0%	45,501	21,610	110.6%
AD/NE CROSS RATES	0	0	0.0%	9,238	536	1,623.51%	0	0	0.0%	38,932	2,994	1,200.3%
AUSTRALIAN DOLLAR	0	0	0.0%	2,169,565	1,838,634	18.00%	0	0	0.0%	21,182,356	20,585,707	2.9%
BP/JY CROSS RATES	0	0	0.0%	5,154	2,305	123.60%	0	0	0.0%	45,838	24,840	84.5%
BP/SF CROSS RATES	0	0	0.0%	3,161	557	467.50%	0	0	0.0%	21,883	7,509	191.4%
BRAZIL REAL	0	0	0.0%	314,064	201,419	55.93%	0	0	0.0%	2,807,923	2,312,816	21.4%
BRITISH POUND	0	0	0.0%	3,078,112	1,853,708	66.05%	0	0	0.0%	25,982,214	19,642,212	32.3%
CANADIAN DOLLAR	0	0	0.0%	2,038,426	1,488,567	36.94%	0	0	0.0%	19,026,305	16,589,681	14.7%
CD/JY CROSS RATES	0	0	0.0%	71	73	-2.74%	0	0	0.0%	358	1,533	-76.6%
CHINESE RENMINBI (CNH)	0	0	0.0%	45,898	12,456	268.48%	0	0	0.0%	299,033	164,799	81.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	19	2	850.0%
CZECK KORUNA (US)	0	0	0.0%	2	0	0.00%	0	0	0.0%	28	8	250.0%
EC/AD CROSS RATES	0	0	0.0%	3,180	2,984	6.57%	0	0	0.0%	57,201	47,078	21.5%
EC/CD CROSS RATES	0	0	0.0%	4,679	4,320	8.31%	0	0	0.0%	80,593	70,397	14.5%
EC/NOK CROSS RATES	0	0	0.0%	421	559	-24.69%	0	0	0.0%	18,709	6,565	185.0%
EC/SEK CROSS RATES	0	0	0.0%	871	311	180.06%	0	0	0.0%	23,232	6,176	276.2%
EFX/BP CROSS RATES	0	0	0.0%	80,325	37,155	116.19%	0	0	0.0%	965,420	566,824	70.3%
EFX/JY CROSS RATES	0	0	0.0%	30,495	31,481	-3.13%	0	0	0.0%	551,698	424,287	30.0%
EFX/SF CROSS RATES	0	0	0.0%	25,872	16,207	59.63%	0	0	0.0%	400,583	233,789	71.3%
E-MICRO USD/CAD	0	0	0.0%	20	1,358	-98.53%	0	0	0.0%	1,838	1,704	7.9%
E-MICRO USD/CHF	0	0	0.0%	32	54	-40.74%	0	0	0.0%	739	83	790.4%
E-MICRO USD/JPY	0	0	0.0%	837	2,799	-70.10%	0	0	0.0%	151,161	2,921	5,075.0%
E-MINI EURO FX	0	0	0.0%	161,440	82,740	95.12%	0	0	0.0%	1,521,352	1,195,111	27.3%
E-MINI JAPANESE YEN	0	0	0.0%	16,060	10,608	51.40%	0	0	0.0%	121,696	92,776	31.2%
EURO FX	0	0	0.0%	4,623,869	3,404,101	35.83%	0	0	0.0%	50,147,491	39,656,949	26.5%
HUNGARIAN FORINT (EC)	0	0	0.0%	1	0	0.00%	0	0	0.0%	3	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	3	-100.00%	0	0	0.0%	42	171	-75.4%
INDIAN RUPEE	0	0	0.0%	39,230	16,274	141.06%	0	0	0.0%	266,681	139,266	91.5%
JAPANESE YEN	0	0	0.0%	3,648,629	2,329,770	56.61%	0	0	0.0%	32,759,084	22,210,853	47.5%
KOREAN WON	0	0	0.0%	492	473	4.02%	0	0	0.0%	3,375	11,822	-71.5%
MEXICAN PESO	0	0	0.0%	1,373,837	882,594	55.66%	0	0	0.0%	12,228,759	11,018,406	11.0%
MICRO AUD/USD	0	0	0.0%	289,867	196,181	47.75%	0	0	0.0%	2,644,276	2,066,390	28.0%
MICRO CAD/USD	0	0	0.0%	85,931	55,291	55.42%	0	0	0.0%	613,635	563,134	9.0%
MICRO CHF/USD	0	0	0.0%	16,673	7,180	132.21%	0	0	0.0%	174,102	86,798	100.6%

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CME Group Exchange Volume Comparison Report - Monthly

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FX Futures												
MICRO EUR/USD	0	0	0.0%	923,965	421,912	118.99%	0	0	0.0%	7,922,863	4,803,593	64.9%
MICRO GBP/USD	0	0	0.0%	234,107	104,204	124.66%	0	0	0.0%	1,252,857	770,095	62.7%
MICRO INR/USD	0	0	0.0%	621	1,188	-47.73%	0	0	0.0%	7,043	17,534	-59.8%
MICRO JPY/USD	0	0	0.0%	0	46,053	-100.00%	0	0	0.0%	101,719	346,054	-70.6%
MICRO USD/CNH	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	36	-94.4%
NEW ZEALND DOLLAR	0	0	0.0%	737,969	529,459	39.38%	0	0	0.0%	6,505,484	5,952,116	9.3%
NKR/USD CROSS RATE	0	0	0.0%	1,546	2,441	-36.67%	0	0	0.0%	28,523	45,669	-37.5%
POLISH ZLOTY (EC)	0	0	0.0%	2	66	-96.97%	0	0	0.0%	1,213	1,376	-11.8%
POLISH ZLOTY (US)	0	0	0.0%	1,300	699	85.98%	0	0	0.0%	13,523	8,819	53.3%
RMB USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	29	3	866.7%
RUSSIAN RUBLE	0	0	0.0%	0	117,753	-100.00%	0	0	0.0%	576,766	1,078,345	-46.5%
S.AFRICAN RAND	0	0	0.0%	78,941	48,508	62.74%	0	0	0.0%	906,652	574,066	57.9%
SF/JY CROSS RATES	0	0	0.0%	447	74	504.05%	0	0	0.0%	5,596	329	1,600.9%
SHEKEL	0	0	0.0%	1	1	0.00%	0	0	0.0%	147	19	673.7%
SKR/USD CROSS RATES	0	0	0.0%	4,185	4,168	0.41%	0	0	0.0%	62,996	49,392	27.5%
SWISS FRANC	0	0	0.0%	456,997	466,075	-1.95%	0	0	0.0%	5,461,918	4,913,010	11.2%
TURKISH LIRA	0	0	0.0%	24	0	0.00%	0	0	0.0%	26	8	225.0%
USDZAR	0	0	0.0%	0	1	-100.00%	0	0	0.0%	31	72	-56.9%
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	5	1,142	-99.56%	0	0	0.0%	1,759	4,254	-58.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	18	495	-96.36%	0	0	0.0%	3,261	3,726	-12.5%
AUD/USD MONDAY OPTION W	0	0	0.0%	134	797	-83.19%	0	0	0.0%	2,420	3,984	-39.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	91	516	-82.36%	0	0	0.0%	3,234	4,512	-28.3%
AUD/USD MONDAY OPTION W	0	0	0.0%	145	0	0.00%	0	0	0.0%	1,363	1,370	-0.5%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	52,855	56,817	-6.97%	0	0	0.0%	682,282	493,233	38.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	119	-100.00%	0	0	0.0%	4,572	7,231	-36.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,122	1,695	25.19%	0	0	0.0%	14,998	16,675	-10.1%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,072	2,499	-57.10%	0	0	0.0%	19,410	26,692	-27.3%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,541	2,416	5.17%	0	0	0.0%	16,112	29,297	-45.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	3,366	-100.00%	0	0	0.0%	5,196	8,641	-39.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	432	3,062	-85.89%	0	0	0.0%	6,061	11,795	-48.6%

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FX Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	477	717	-33.47%	0	0	0.0%	4,671	7,846	-40.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	85	127	-33.07%	0	0	0.0%	2,157	3,068	-29.7%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	127	576	-77.95%	0	0	0.0%	4,735	9,069	-47.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	578	1,985	-70.9%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	22	501	-95.61%	0	0	0.0%	3,043	3,291	-7.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	685	1,248	-45.11%	0	0	0.0%	2,518	8,895	-71.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	216	723	-70.12%	0	0	0.0%	10,712	15,720	-31.9%
CAD/USD MONDAY OPTIONS	0	0	0.0%	424	400	6.00%	0	0	0.0%	10,046	10,304	-2.5%
CAD/USD MONDAY OPTIONS	0	0	0.0%	11	802	-98.63%	0	0	0.0%	7,017	22,507	-68.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,240	0	0.00%	0	0	0.0%	2,775	3,147	-11.8%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	61,022	69,526	-12.23%	0	0	0.0%	600,246	689,268	-12.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	710	-100.00%	0	0	0.0%	12,919	27,536	-53.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,220	2,834	48.91%	0	0	0.0%	33,482	45,764	-26.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,991	7,211	-58.52%	0	0	0.0%	52,797	76,730	-31.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,664	5,653	-35.18%	0	0	0.0%	45,783	93,050	-50.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	10,929	-100.00%	0	0	0.0%	12,620	28,019	-55.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	992	2,864	-65.36%	0	0	0.0%	10,164	21,192	-52.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	804	1,273	-36.84%	0	0	0.0%	12,025	18,371	-34.5%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,062	1,500	-29.20%	0	0	0.0%	14,567	20,167	-27.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,681	785	114.14%	0	0	0.0%	15,814	26,341	-40.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,474	9,035	-50.5%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,267	10,782	-69.70%	0	0	0.0%	42,809	55,476	-22.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	0	0.00%	0	0	0.0%	989	411	140.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	30	52	-42.31%	0	0	0.0%	901	2,292	-60.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	46	179	-74.30%	0	0	0.0%	1,047	1,882	-44.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	30	45	-33.33%	0	0	0.0%	1,237	2,431	-49.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	44	-100.00%	0	0	0.0%	117	282	-58.5%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	204	6	3,300.0%
EUR/GBP WKLY FRIDAY OPTIC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
EURODOLLARS	0	-	-	1,820	-	-	0	-	-	3,510	-	-
EUR/USD MONDAY OPTION W	0	0	0.0%	2,851	3,300	-13.61%	0	0	0.0%	19,254	19,382	-0.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,552	3,853	-33.77%	0	0	0.0%	24,957	16,974	47.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	763	2,530	-69.84%	0	0	0.0%	10,423	15,588	-33.1%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,471	1,374	7.06%	0	0	0.0%	26,308	25,964	1.3%

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FX Options												
EUR/USD MONDAY OPTION W	0	0	0.0%	766	0	0.00%	0	0	0.0%	5,022	5,945	-15.5%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	297,060	188,804	57.34%	0	0	0.0%	2,481,538	1,945,377	27.6%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	3	358	-99.16%	0	0	0.0%	50,404	49,464	1.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	15,239	8,474	79.83%	0	0	0.0%	135,167	125,874	7.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,917	20,522	-32.18%	0	0	0.0%	158,497	199,082	-20.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,705	16,177	-15.28%	0	0	0.0%	173,609	182,976	-5.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	24,176	-100.00%	0	0	0.0%	58,029	85,773	-32.3%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	9,153	8,043	13.80%	0	0	0.0%	66,409	65,390	1.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,267	6,187	17.46%	0	0	0.0%	55,341	68,528	-19.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,698	4,854	17.39%	0	0	0.0%	53,358	65,238	-18.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	8,678	8,530	1.74%	0	0	0.0%	64,648	88,524	-27.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	20,237	25,392	-20.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	381	306	24.51%	0	0	0.0%	5,289	4,400	20.2%
GBP/USD MONDAY OPTION W	0	0	0.0%	509	677	-24.82%	0	0	0.0%	10,712	5,948	80.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	273	1,658	-83.53%	0	0	0.0%	3,183	4,031	-21.0%
GBP/USD MONDAY OPTION W	0	0	0.0%	829	1,236	-32.93%	0	0	0.0%	5,709	5,555	2.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	1,841	0	0.00%	0	0	0.0%	3,321	654	407.8%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	87,716	83,729	4.76%	0	0	0.0%	770,392	732,637	5.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	80	-100.00%	0	0	0.0%	7,507	12,239	-38.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4,004	2,443	63.90%	0	0	0.0%	22,403	24,412	-8.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,166	1,801	75.79%	0	0	0.0%	27,075	28,279	-4.3%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,078	4,989	-58.35%	0	0	0.0%	25,751	35,562	-27.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	2,012	-100.00%	0	0	0.0%	8,769	10,415	-15.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,398	2,054	-31.94%	0	0	0.0%	12,628	11,701	7.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	539	1,205	-55.27%	0	0	0.0%	4,832	6,783	-28.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,069	1,000	6.90%	0	0	0.0%	9,879	6,771	45.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,586	2,344	-32.34%	0	0	0.0%	10,068	11,678	-13.8%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	670	2,591	-74.1%
JPY/USD MONDAY OPTION WE	0	0	0.0%	153	561	-72.73%	0	0	0.0%	6,694	3,852	73.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	438	920	-52.39%	0	0	0.0%	7,865	6,011	30.8%
JPY/USD MONDAY OPTION WE	0	0	0.0%	156	210	-25.71%	0	0	0.0%	2,976	3,892	-23.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,772	673	311.89%	0	0	0.0%	12,155	4,029	201.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	720	0	0.00%	0	0	0.0%	967	2,697	-64.1%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	131,230	103,153	27.22%	0	0	0.0%	1,292,668	812,132	59.2%

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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%	0	9	-100.00%	0	0	0.0%	31,828	28,297	12.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,268	1,771	479.79%	0	0	0.0%	79,588	51,749	53.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	14,754	12,094	21.99%	0	0	0.0%	113,892	95,914	18.7%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,355	11,059	11.72%	0	0	0.0%	108,834	91,354	19.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	10,959	-100.00%	0	0	0.0%	37,049	36,327	2.0%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	9,752	5,655	72.45%	0	0	0.0%	40,595	28,311	43.4%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	5,857	5,141	13.93%	0	0	0.0%	36,304	36,104	0.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,569	4,877	-26.82%	0	0	0.0%	32,018	31,747	0.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,853	6,027	-19.48%	0	0	0.0%	44,147	31,885	38.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	11,330	7,879	43.8%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	353	2,790	-87.35%	0	0	0.0%	6,865	14,532	-52.8%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	17	604	-97.2%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	552	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	631	-100.0%
MXN/USD WKLY FRIDAY OPTI	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NZD/USD MONTHLY OPTIONS	0	0	0.0%	10	553	-98.19%	0	0	0.0%	680	1,911	-64.4%
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	55	-100.00%	0	0	0.0%	0	67	-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	0	0.00%	0	0	0.0%	0	68	-100.0%
Ags Futures												
FERTILIZER PRODUCS	0	0	0.0%	0	0	0.00%	0	0	0.0%	7	54	-87.0%
Foreign Exchange Futures												
CHILEAN PESO	0	-	-	0	-	-	0	-	-	24	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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Foreign Exchange Options												
AUD/USD WKLY WED OPTIONS	0	0	0.0%	101	173	-41.62%	0	0	0.0%	3,347	4,533	-26.2%
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	326	605	-46.12%	0	0	0.0%	2,609	6,334	-58.8%
BUTTER CS	0	0	0.0%	3,800	3,641	4.37%	0	0	0.0%	40,240	38,615	4.2%
CASH-SETTLED CHEESE	0	0	0.0%	9,136	11,038	-17.23%	0	0	0.0%	93,815	114,235	-17.9%
CAT ASIA WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CATTLE	0	0	0.0%	1,050,244	886,887	18.42%	0	0	0.0%	12,020,252	11,682,664	2.9%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	0	0.0%	1,785,801	1,719,357	3.86%	0	0	0.0%	21,827,498	25,170,767	-13.3%
CLASS IV MILK	0	0	0.0%	1,220	4,068	-70.01%	0	0	0.0%	22,868	13,276	72.3%
COFFEE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
CORN	0	0	0.0%	4,786,219	4,752,793	0.70%	0	0	0.0%	63,852,388	71,597,610	-10.8%
COTTON	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	22	-100.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	14,209	21,845	-34.96%	0	0	0.0%	424,654	504,866	-15.9%
DOW-UBS COMMOD INDEX SW	-	-	-	-	-	-	0	-	-	0	-	-
DRY WHEY	0	0	0.0%	497	1,335	-62.77%	0	0	0.0%	8,998	19,493	-53.8%
FEEDER CATTLE	0	0	0.0%	307,268	253,610	21.16%	0	0	0.0%	2,824,532	2,595,235	8.8%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GOLDMAN SACHS	0	0	0.0%	2,376	3,965	-40.08%	0	0	0.0%	28,350	84,781	-66.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	91	151	-39.7%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	898,019	747,655	20.11%	0	0	0.0%	9,636,972	9,678,623	-0.4%
HOUSING INDEX	0	0	0.0%	15	10	50.00%	0	0	0.0%	156	132	18.2%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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Ag Products Futures												
KC WHEAT	0	0	0.0%	686,774	888,066	-22.67%	0	0	0.0%	8,756,284	10,513,533	-16.7%
LUMBER	0	0	0.0%	12,519	7,935	57.77%	0	0	0.0%	89,148	97,695	-8.7%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	21,533	29,598	-27.25%	0	0	0.0%	279,204	241,002	15.9%
MINI CORN	0	0	0.0%	34,648	30,014	15.44%	0	0	0.0%	551,431	619,640	-11.0%
MINI SOYBEAN	0	0	0.0%	57,574	45,272	27.17%	0	0	0.0%	604,439	575,616	5.0%
MINI WHEAT	0	0	0.0%	31,340	17,172	82.51%	0	0	0.0%	280,351	205,878	36.2%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	5,963	6,238	-4.41%	0	0	0.0%	56,848	53,538	6.2%
OATS	0	0	0.0%	9,419	13,609	-30.79%	0	0	0.0%	84,641	106,866	-20.8%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PORK CUTOUT	0	0	0.0%	1,607	966	66.36%	0	0	0.0%	21,372	24,161	-11.5%
ROUGH RICE	0	0	0.0%	29,615	24,424	21.25%	0	0	0.0%	189,358	162,674	16.4%
SOYBEAN	0	0	0.0%	5,094,266	4,995,400	1.98%	0	0	0.0%	41,235,511	42,709,542	-3.5%
SOYBEAN MEAL	0	0	0.0%	2,204,364	2,415,204	-8.73%	0	0	0.0%	21,901,536	20,594,960	6.3%
SOYBEAN OIL	0	0	0.0%	2,395,823	2,394,707	0.05%	0	0	0.0%	23,391,138	26,735,217	-12.5%
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	0.00%	-	0	0.0%	-	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	0	2,582	-100.00%	0	0	0.0%	6,012	31,373	-80.8%
Ag Products Options												
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	212	0	0.0%
BLOCK CHEESE	0	0	0.0%	6	42	-85.71%	0	0	0.0%	2,515	2,964	-15.1%
BUTTER CS	0	0	0.0%	1,913	2,339	-18.21%	0	0	0.0%	14,006	19,099	-26.7%
CASH-SETTLED CHEESE	0	0	0.0%	6,163	4,038	52.63%	0	0	0.0%	62,724	61,765	1.6%
CATTLE	0	0	0.0%	192,076	165,880	15.79%	0	0	0.0%	2,126,464	1,880,483	13.1%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHI WHEAT	0	0	0.0%	571,992	522,768	9.42%	0	0	0.0%	5,989,264	4,566,461	31.2%
CLASS IV MILK	0	0	0.0%	6,046	7,972	-24.16%	0	0	0.0%	73,898	39,294	88.1%
CORN	0	0	0.0%	1,725,859	1,906,885	-9.49%	0	0	0.0%	26,493,438	28,178,460	-6.0%

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Ag Products Options												
CORN NEARBY+2 CAL SPRD	0	0	0.0%	20,085	10,120	98.47%	0	0	0.0%	220,524	124,896	76.6%
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	1,400	-100.00%	0	0	0.0%	0	2,917	-100.0%
DEC-JULY CORN CAL SPRD	0	0	0.0%	445	6,250	-92.88%	0	0	0.0%	15,861	22,235	-28.7%
DEC-JULY WHEAT CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
DRY WHEY	0	0	0.0%	5	12	-58.33%	0	0	0.0%	2,734	1,758	55.5%
FEEDER CATTLE	0	0	0.0%	38,506	22,837	68.61%	0	0	0.0%	361,206	216,053	67.2%
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%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	226,860	164,408	37.99%	0	0	0.0%	2,294,447	2,049,964	11.9%
HOUSING INDEX	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
Intercommodity Spread	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	271	-100.0%
JAN-MAR SOYBEAN CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	650	0	0.00%	0	0	0.0%	78,920	40,105	96.8%
JULY-DEC SOYMEAL CAL SPR	0	-	-	0	-	-	0	-	-	845	-	-
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,200	100	3,100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	2	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	5,286	650	713.23%	0	0	0.0%	48,459	3,072	1,477.4%
KC WHEAT	0	0	0.0%	58,154	85,284	-31.81%	0	0	0.0%	708,524	642,702	10.2%
LUMBER	0	0	0.0%	380	379	0.26%	0	0	0.0%	4,110	7,079	-41.9%
LV CATL CSO	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	5,115	50	10,130.00%	0	0	0.0%	30,605	450	6,701.1%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	50	0	0.00%	0	0	0.0%	650	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	150	0	0.0%
MILK	0	0	0.0%	23,493	30,853	-23.86%	0	0	0.0%	229,446	252,310	-9.1%
MLK MID OPTIONS	0	0	0.0%	0	1	-100.00%	0	0	0.0%	45	16	181.3%
NFD MILK	0	0	0.0%	4,667	2,735	70.64%	0	0	0.0%	35,668	34,148	4.5%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	100	0	0.00%	0	0	0.0%	5,260	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	150	-100.0%
NOV-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
OATS	0	0	0.0%	116	899	-87.10%	0	0	0.0%	1,928	3,506	-45.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
Ag Products Options												
PORK CUTOUT	0	0	0.0%	0	1	-100.00%	0	0	0.0%	35	750	-95.3%
ROUGH RICE	0	0	0.0%	2,694	1,117	141.18%	0	0	0.0%	17,327	7,174	141.5%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	0	-	-	0	-	-	830	-	-
SOYBEAN	0	0	0.0%	908,184	1,272,871	-28.65%	0	0	0.0%	15,013,873	15,746,498	-4.7%
SOYBEAN CRUSH	0	0	0.0%	0	41	-100.00%	0	0	0.0%	165	1,231	-86.6%
SOYBEAN MEAL	0	0	0.0%	175,368	223,771	-21.63%	0	0	0.0%	2,258,785	2,196,452	2.8%
SOYBEAN OIL	0	0	0.0%	226,077	230,207	-1.79%	0	0	0.0%	2,353,200	2,857,077	-17.6%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	5,111	220	2,223.18%	0	0	0.0%	37,159	20,274	83.3%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,250	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	-	-	150	-	-	0	-	-	1,250	-	-
WHEAT	0	0	0.0%	887	311	185.21%	0	0	0.0%	2,021	6,787	-70.2%
WHEAT-CORN ICSCO	0	0	0.0%	170	20	750.00%	0	0	0.0%	2,522	851	196.4%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	2,070	378	447.62%	0	0	0.0%	33,767	5,845	477.7%
TOTAL FUTURES GROUP												
Interest Rate Futures	864,053	741,053	16.6%	146,331,544	159,468,262	-8.2%	8,490,216	4,550,444	86.6%	1,757,846,742	1,445,053,096	21.6%
Equity Index Futures	0	0	0.0%	147,052,905	92,741,957	58.6%	0	0	0.0%	1,364,452,106	967,027,071	41.1%
Metals Futures	0	0	0.0%	8,802,462	8,549,949	3.0%	0	0	0.0%	94,065,115	104,508,034	-10.0%
Energy Futures	0	0	0.0%	31,143,059	45,040,079	-30.9%	0	0	0.0%	360,756,518	387,317,314	-6.9%
FX Futures	0	0	0.0%	20,510,253	14,225,856	44.2%	0	0	0.0%	195,029,967	156,315,919	24.8%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	54	-87.0%
Foreign Exchange Futures	0	-	-	0	-	-	0	-	-	24	-	-
Ag Products Futures	0	0	0.0%	19,444,575	19,277,996	0.9%	0	0	0.0%	208,230,696	224,178,501	-7.1%
TOTAL FUTURES	864,053	741,053	16.6%	373,284,798	339,304,099	10.0%	8,490,216	4,550,444	86.6%	3,980,381,175	3,284,399,989	21.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2022	Open Outcry OCT 2021	% CHG	ELEC OCT 2022	ELEC OCT 2021	% CHG	Open Outcry Y.T.D 2022	Open Outcry Y.T.D 2021	% CHG	ELEC Y.T.D 2022	ELEC Y.T.D 2021	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	28,917,421	17,605,875	64.2%	0	0	0.0%	237,801,918	141,683,465	67.8%
Interest Rate Options	16,154,062	17,462,034	-7.5%	32,169,931	28,920,194	11.2%	162,406,213	134,022,228	21.2%	288,998,224	258,894,713	11.6%
Metals Options	0	0	0.0%	1,071,398	873,430	22.7%	0	0	0.0%	11,183,988	9,242,932	21.0%
Energy Options	0	0	0.0%	2,428,835	3,207,654	-24.3%	0	0	0.0%	30,188,746	32,463,901	-7.0%
FX Options	0	0	0.0%	826,083	761,628	8.5%	0	0	0.0%	7,872,486	6,995,167	12.5%
Ag Products Options	0	0	0.0%	4,208,678	4,664,739	-9.8%	0	0	0.0%	58,527,289	58,993,197	-0.8%
Foreign Exchange Options	0	0	0.0%	101	173	-41.6%	0	0	0.0%	3,347	4,533	-26.2%
TOTAL OPTIONS	16,154,062	17,462,034	-7.5%	69,622,447	56,033,693	24.3%	162,406,213	134,022,228	21.2%	634,575,998	508,277,908	24.8%
TOTAL COMBINED												
Interest Rate	17,018,115	18,203,087	-6.5%	178,501,475	188,388,456	-5.2%	170,896,429	138,572,672	23.3%	2,046,844,966	1,703,947,809	20.1%
Equity Index	0	0	0.0%	175,970,326	110,347,832	59.5%	0	0	0.0%	1,602,254,024	1,108,710,536	44.5%
Metals	0	0	0.0%	9,873,860	9,423,379	4.8%	0	0	0.0%	105,249,103	113,750,966	-7.5%
Energy	0	0	0.0%	33,571,894	48,247,733	-30.4%	0	0	0.0%	390,945,264	419,781,215	-6.9%
FX	0	0	0.0%	21,336,336	14,987,484	42.4%	0	0	0.0%	202,902,453	163,311,086	24.2%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	54	-87.0%
Foreign Exchange	0	0	0.0%	101	173	-41.6%	0	0	0.0%	3,371	4,533	-25.6%
Ag Products	0	0	0.0%	23,653,253	23,942,735	-1.2%	0	0	0.0%	266,757,985	283,171,698	-5.8%
GRAND TOTAL	17,018,115	18,203,087	-6.5%	442,907,245	395,337,792	12.0%	170,896,429	138,572,672	23.3%	4,614,957,173	3,792,677,897	21.7%

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