

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Interest Rate Futures												
10-YR Eris LIBOR	0	0	0.0%	0	4,958	-100.00%	0	0	0.0%	4,082	51,614	-92.1%
10-YR Eris SOFR	0	0	0.0%	4,788	38	12,500.00%	0	0	0.0%	29,725	911	3,162.9%
10-YR MAC LIBOR	0	0	0.0%	0	25,096	-100.00%	0	0	0.0%	27,311	180,799	-84.9%
10-YR MAC SOFR	0	0	0.0%	0	0	0.00%	0	0	0.0%	18	2	800.0%
10-YR NOTE	0	0	0.0%	31,082,499	24,552,584	26.60%	0	0	0.0%	483,344,257	448,216,973	7.8%
10Y YIELD	0	0	0.0%	111,261	28,685	287.87%	0	0	0.0%	1,298,751	1,110,232	17.0%
13-Week U.S. T-Bill Futures	0	-	-	9,060	-		0	-	-	43,734	-	-
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%	0	9	-100.00%	0	0	0.0%	6	358	-98.3%
1-YR Eris BSBY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	1,600	-100.0%
1-YR Eris SOFR	0	0	0.0%	26	751	-96.54%	0	0	0.0%	29,854	202,617	-85.3%
20-YR BOND	0	0	0.0%	0	650	-100.00%	0	0	0.0%	3,883	35,085	-88.9%
20-YR Eris LIBOR	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
2-YR Eris LIBOR	0	0	0.0%	0	9,917	-100.00%	0	0	0.0%	4,517	91,686	-95.1%
2-YR Eris SOFR	0	0	0.0%	3,170	4,326	-26.72%	0	0	0.0%	37,585	100,807	-62.7%
2-YR NOTE	0	0	0.0%	12,939,182	7,561,124	71.13%	0	0	0.0%	188,995,019	156,263,093	20.9%
2Y YIELD	0	0	0.0%	4,101	6,121	-33.00%	0	0	0.0%	71,355	94,804	-24.7%
30-Year UMBS TBA Futures - 2.5	0	0	0.0%	0	170	-100.00%	0	0	0.0%	1,005	230	337.0%
30-Year UMBS TBA Futures - 3.0	0	0	0.0%	1,110	158	602.53%	0	0	0.0%	5,166	287	1,700.0%
30-Year UMBS TBA Futures - 3.5	0	0	0.0%	1,176	346	239.88%	0	0	0.0%	6,557	1,004	553.1%
30-Year UMBS TBA Futures - 4.0	0	0	0.0%	1,100	125	780.00%	0	0	0.0%	7,667	413	1,756.4%
30-Year UMBS TBA Futures - 4.5	0	0	0.0%	1,086	382	184.29%	0	0	0.0%	14,709	573	2,467.0%
30-Year UMBS TBA Futures - 5.0	0	0	0.0%	2,138	770	177.66%	0	0	0.0%	19,530	1,185	1,548.1%
30-Year UMBS TBA Futures - 5.5	0	0	0.0%	2,230	60	3,616.67%	0	0	0.0%	15,721	60	26,101.7%
30-Year UMBS TBA Futures - 6.0	0	0	0.0%	1,683	6	27,950.00%	0	0	0.0%	12,502	6	208,266.7%
30-YR BOND	0	0	0.0%	8,351,678	5,428,030	53.86%	0	0	0.0%	107,635,483	94,327,961	14.1%
30-YR Eris LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	185	-100.0%
30-YR MAC LIBOR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	304	-100.0%
30-YR SWAP RATE	0	-	-	0	-		0	-	-	0	-	-
30Y YIELD	0	0	0.0%	312	3,311	-90.58%	0	0	0.0%	12,577	109,245	-88.5%
3-YR Eris BSBY	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4	-100.0%
3-YR Eris LIBOR	0	0	0.0%	0	1,075	-100.00%	0	0	0.0%	3,771	53,188	-92.9%
3-YR Eris SOFR	0	0	0.0%	2,785	2,517	10.65%	0	0	0.0%	23,934	37,629	-36.4%

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Interest Rate Futures												
3-YR NOTE	0	0	0.0%	145,223	113,597	27.84%	0	0	0.0%	1,499,377	3,632,786	-58.7%
4-YR Eris LIBOR	0	0	0.0%	0	635	-100.00%	0	0	0.0%	1,140	31,330	-96.4%
4-YR Eris SOFR	0	0	0.0%	1,513	330	358.48%	0	0	0.0%	10,066	6,987	44.1%
5-YR Eris LIBOR	0	0	0.0%	0	12,632	-100.00%	0	0	0.0%	21,264	246,763	-91.4%
5-YR Eris SOFR	0	0	0.0%	16,087	716	2,146.79%	0	0	0.0%	118,967	23,728	401.4%
5-YR MAC LIBOR	0	0	0.0%	0	20,609	-100.00%	0	0	0.0%	39,600	392,309	-89.9%
5-YR MAC SOFR	0	-	-	2	-		0	-	-	94	-	-
5-YR NOTE	0	0	0.0%	21,711,626	15,917,125	36.40%	0	0	0.0%	369,846,211	312,968,316	18.2%
5Y YIELD	0	0	0.0%	0	114	-100.00%	0	0	0.0%	969	22,473	-95.7%
7-YR Eris LIBOR	0	0	0.0%	0	1,327	-100.00%	0	0	0.0%	2,242	28,268	-92.1%
7-YR Eris SOFR	0	0	0.0%	1,723	134	1,185.82%	0	0	0.0%	11,001	604	1,721.4%
BSBY 3-MONTH FUTURES	0	0	0.0%	278	9,433	-97.05%	0	0	0.0%	32,510	566,391	-94.3%
ESTR Basis Spread Futures	0	0	0.0%	4,326	859	403.61%	0	0	0.0%	19,345	2,539	661.9%
ESTR Futures	0	0	0.0%	251,165	11,134	2,155.84%	0	0	0.0%	1,583,894	16,779	9,339.7%
EURODOLLARS	0	261,091	-100.0%	0	9,743,986	-100.00%	258,492	8,035,126	-96.8%	27,895,109	380,938,354	-92.7%
FED FUND	0	0	0.0%	6,157,046	4,768,707	29.11%	0	0	0.0%	109,308,756	83,400,646	31.1%
FTIE	0	0	0.0%	0	130	-100.00%	0	0	0.0%	1,774	1,071	65.6%
SOFR	482,048	264,760	82.1%	68,881,860	39,955,183	72.40%	7,280,545	1,621,959	348.9%	829,414,589	434,664,801	90.8%
SONIA	0	0	0.0%	5	593	-99.16%	0	0	0.0%	395	1,886	-79.1%
UBSBM	0	-	-	930	-		0	-	-	5,180	-	-
Ultra 10-Year Note	0	0	0.0%	9,583,675	5,710,220	67.83%	0	0	0.0%	121,106,368	92,698,050	30.6%
ULTRA T-BOND	0	0	0.0%	5,846,274	3,354,979	74.26%	0	0	0.0%	73,967,808	56,509,004	30.9%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	14,049,544	12,828,750	9.52%	0	0	0.0%	175,186,524	160,620,473	9.1%
2-YR NOTE	0	0	0.0%	328,684	259,326	26.75%	0	0	0.0%	5,668,733	1,210,010	368.5%
30-YR BOND	0	0	0.0%	2,973,259	1,972,300	50.75%	0	0	0.0%	35,327,338	28,792,657	22.7%
5-YR NOTE	0	0	0.0%	3,755,499	3,244,243	15.76%	0	0	0.0%	68,067,626	57,380,908	18.6%
EURODOLLARS	0	1,503,955	-100.0%	0	6,194,816	-100.00%	1,894,920	78,925,614	-97.6%	7,456,246	53,316,802	-86.0%
EURO MIDCURVE	0	181,026	-100.0%	0	240,944	-100.00%	396,228	41,560,016	-99.0%	201,525	21,847,289	-99.1%
FED FUND	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,004	4,045	-50.5%
SOFR	21,002,107	8,941,356	134.9%	7,072,280	2,573,699	174.79%	222,146,748	54,294,658	309.2%	96,591,422	19,304,838	400.3%
SOFR MIDCURVE	4,400,199	2,975,563	47.9%	2,062,415	1,222,672	68.68%	54,180,130	16,432,476	229.7%	23,380,056	6,291,033	271.6%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	9,372	479	1,856.58%	0	0	0.0%	58,729	1,330	4,315.7%
ULTRA 10-YEAR NOTE	0	-	-	390	-	-	0	-	-	684	-	-
ULTRA T-BOND	0	0	0.0%	22,002	1,129	1,848.80%	0	0	0.0%	101,988	25,728	296.4%
Equity Index Futures												
AIR	0	0	0.0%	29,746	2,052	1,349.61%	0	0	0.0%	88,721	9,268	857.3%
BITCOIN	0	0	0.0%	230,835	139,382	65.61%	0	0	0.0%	2,628,556	2,545,212	3.3%
DJ US REAL ESTATE SECTOR	0	0	0.0%	47,450	44,908	5.66%	0	0	0.0%	379,021	426,984	-11.2%
E-mini (\$5) Dow	0	0	0.0%	2,772,243	3,869,551	-28.36%	0	0	0.0%	42,414,481	50,938,922	-16.7%
E-mini FTSE China 50	0	0	0.0%	0	55	-100.00%	0	0	0.0%	44	7,408	-99.4%
E-MINI MIDCAP	0	0	0.0%	363,628	335,102	8.51%	0	0	0.0%	3,416,792	3,925,320	-13.0%
E-MINI NASDAQ 100	0	0	0.0%	12,666,746	13,868,815	-8.67%	0	0	0.0%	166,281,711	175,992,104	-5.5%
E-MINI RUSSELL 1000	0	0	0.0%	2,520	6,390	-60.56%	0	0	0.0%	30,779	37,301	-17.5%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	6,923	3,833	80.62%	0	0	0.0%	33,428	52,180	-35.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	11,445	12,382	-7.57%	0	0	0.0%	59,535	93,666	-36.4%
E-MINI RUSSELL 2000	0	0	0.0%	6,088,918	4,902,387	24.20%	0	0	0.0%	56,221,248	59,498,348	-5.5%
E-MINI S&P500	0	0	0.0%	37,781,259	41,838,942	-9.70%	0	0	0.0%	448,266,010	499,313,579	-10.2%
E-MINI S&P500 ESG	0	0	0.0%	45,098	39,786	13.35%	0	0	0.0%	248,031	315,789	-21.5%
ETHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	7	-100.0%
ETHER FUTURES	0	0	0.0%	125,082	76,142	64.27%	0	0	0.0%	1,273,555	1,565,472	-18.6%
FT-SE 100	0	0	0.0%	34	0	0.00%	0	0	0.0%	875	1,528	-42.7%

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Equity Index Futures												
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	33	63	-47.62%	0	0	0.0%	362	688	-47.4%
MICRO BITCOIN	0	0	0.0%	282,642	116,734	142.12%	0	0	0.0%	2,574,530	3,681,347	-30.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	19,196,334	23,024,785	-16.63%	0	0	0.0%	273,085,353	364,950,140	-25.2%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,895,537	1,737,641	9.09%	0	0	0.0%	19,452,998	32,832,497	-40.8%
MICRO E-MINI S&P500	0	0	0.0%	14,204,686	26,075,194	-45.52%	0	0	0.0%	248,272,150	343,974,047	-27.8%
MICRO ETHER	0	0	0.0%	342,430	189,653	80.56%	0	0	0.0%	2,345,517	4,915,035	-52.3%
MICRO MINI \$5 DOW	0	0	0.0%	1,185,775	2,908,887	-59.24%	0	0	0.0%	25,276,179	44,933,287	-43.7%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	807	-100.00%	0	0	0.0%	3,203	19,362	-83.5%
NASDAQ BIOTECH SECTOR	0	0	0.0%	20	308	-93.51%	0	0	0.0%	1,218	2,531	-51.9%
Nearby BTIC+	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	5,250	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	157,628	131,856	19.55%	0	0	0.0%	1,703,645	1,402,014	21.5%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	631,099	684,932	-7.86%	0	0	0.0%	7,740,721	9,187,587	-15.7%
PHLX SEMICONDUCTOR SECT	0	0	0.0%	188	130	44.62%	0	0	0.0%	2,386	1,822	31.0%
S&P 500	0	0	0.0%	599	226	165.04%	0	0	0.0%	6,563	1,475	344.9%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	32,582	34,850	-6.51%	0	0	0.0%	439,780	344,511	27.7%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	12,459	2,963	320.49%	0	0	0.0%	117,984	27,671	326.4%
S&P 600 SMALLCAP EMINI	0	-	-	203	-		0	-	-	785	-	-
S&P BIOTECHNOLOGY SECTO	0	0	0.0%	559	545	2.57%	0	0	0.0%	6,664	9,367	-28.9%
S&P COMMUNICATION SERVIC	0	0	0.0%	12,343	5,608	120.10%	0	0	0.0%	51,581	41,411	24.6%
S&P CONSUMER DISCRETION	0	0	0.0%	11,479	8,207	39.87%	0	0	0.0%	71,025	83,425	-14.9%
S&P CONSUMER STAPLES SE	0	0	0.0%	38,213	22,940	66.58%	0	0	0.0%	220,079	205,033	7.3%
S&P ENERGY SECTOR	0	0	0.0%	52,886	63,186	-16.30%	0	0	0.0%	314,463	538,415	-41.6%
S&P FINANCIAL SECTOR	0	0	0.0%	44,044	39,273	12.15%	0	0	0.0%	263,949	290,719	-9.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	25,577	26,062	-1.86%	0	0	0.0%	160,070	213,753	-25.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	19,097	25,739	-25.81%	0	0	0.0%	138,298	166,506	-16.9%
S&P MATERIALS SECTOR	0	0	0.0%	14,030	13,520	3.77%	0	0	0.0%	98,452	104,348	-5.7%
S&P OIL & GAS EXPLORATION	0	0	0.0%	112	240	-53.33%	0	0	0.0%	1,989	4,875	-59.2%
S&P REAL ESTATE SECTOR	0	0	0.0%	32,096	22,780	40.90%	0	0	0.0%	95,578	66,715	43.3%
S&P REGIONAL BANKS SECTO	0	0	0.0%	1,821	334	445.21%	0	0	0.0%	10,328	2,645	290.5%
S&P RETAIL SECTOR	0	0	0.0%	65	423	-84.63%	0	0	0.0%	2,369	3,551	-33.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	23,586	25,368	-7.02%	0	0	0.0%	137,617	248,459	-44.6%
S&P UTILITIES SECTOR	0	0	0.0%	30,998	24,647	25.77%	0	0	0.0%	227,652	211,224	7.8%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

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Equity Index Futures												
TOPIX (USD)	0	0	0.0%	105	54	94.44%	0	0	0.0%	991	84	1,079.8%
TOPIX (YEN)	0	0	0.0%	531	282	88.30%	0	0	0.0%	3,924	20,234	-80.6%
WATER INDEX FUTURES	0	0	0.0%	2	6	-66.67%	0	0	0.0%	169	601	-71.9%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	3,869	567	582.36%	0	0	0.0%	33,909	17,630	92.3%
DJIA	0	0	0.0%	1,719	7,514	-77.12%	0	0	0.0%	65,282	15,965	308.9%
E-mini (\$5) Dow	0	0	0.0%	324	2,551	-87.30%	0	0	0.0%	6,597	27,737	-76.2%
E-MINI NASDAQ 100	0	0	0.0%	1,387,096	789,875	75.61%	0	0	0.0%	16,641,069	11,795,188	41.1%
E-MINI RUSSELL 2000	0	0	0.0%	390,054	107,460	262.98%	0	0	0.0%	2,089,005	1,559,413	34.0%
E-MINI S&P500	0	0	0.0%	27,496,422	22,089,029	24.48%	0	0	0.0%	310,748,209	268,765,239	15.6%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	0	0.0%	1,940	175	1,008.57%	0	0	0.0%	19,743	1,015	1,845.1%
EVENT CONTRACT S&P 500	0	-	-	1,757	-		0	-	-	72,197	-	-
MICRO BITCOIN	0	0	0.0%	13,720	1,073	1,178.66%	0	0	0.0%	146,815	75,520	94.4%
MICRO E-MINI NASDAQ 100	0	0	0.0%	43,930	45,395	-3.23%	0	0	0.0%	673,375	638,817	5.4%
Micro E-mini S&P 500	0	0	0.0%	248,131	251,227	-1.23%	0	0	0.0%	3,142,695	2,843,721	10.5%
MICRO ETHER	0	0	0.0%	30,885	1,093	2,725.71%	0	0	0.0%	325,474	273,515	19.0%
S&P 500	-	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 DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Metals Futures												
ALUMINUM	0	0	0.0%	192,628	53,391	260.79%	0	0	0.0%	1,220,811	422,315	189.1%
COBALT METAL FUTURES	0	0	0.0%	23	2	1,050.00%	0	0	0.0%	432	17	2,441.2%
COMEX COPPER	0	0	0.0%	1,809,250	1,276,168	41.77%	0	0	0.0%	25,426,863	21,329,242	19.2%
COMEX E-Mini GOLD	0	0	0.0%	19,000	26,372	-27.95%	0	0	0.0%	359,231	394,418	-8.9%
COMEX E-Mini SILVER	0	0	0.0%	6,079	4,252	42.97%	0	0	0.0%	71,979	47,184	52.5%
COMEX GOLD	0	0	0.0%	3,660,208	3,184,064	14.95%	0	0	0.0%	55,332,904	53,026,708	4.3%
COMEX MINY COPPER	0	0	0.0%	3,405	2,111	61.30%	0	0	0.0%	64,939	41,645	55.9%
COMEX SILVER	0	0	0.0%	1,241,057	1,106,005	12.21%	0	0	0.0%	17,832,225	16,779,220	6.3%
COPPER	0	0	0.0%	77,920	54,574	42.78%	0	0	0.0%	1,220,894	563,708	116.6%
FERROUS PRODUCTS	0	0	0.0%	1,151	1,037	10.99%	0	0	0.0%	6,208	5,324	16.6%
GOLD	0	0	0.0%	6,768	219	2,990.41%	0	0	0.0%	19,042	61,002	-68.8%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,435	1,214	18.20%	0	0	0.0%	19,376	10,622	82.4%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
LITHIUM CARBONATE FUTURE	0	-	-	0	-		0	-	-	0	-	-
METALS	0	0	0.0%	4	5	-20.00%	0	0	0.0%	159	126	26.2%
MICRO GOLD	0	0	0.0%	1,347,954	839,181	60.63%	0	0	0.0%	16,368,021	12,541,039	30.5%
MOLYBDENUM OXIDE FUTURE	0	-	-	0	-		0	-	-	0	-	-
NYMEX HOT ROLLED STEEL	0	0	0.0%	5,450	6,578	-17.15%	0	0	0.0%	111,495	64,337	73.3%
NYMEX PLATINUM	0	0	0.0%	677,226	531,902	27.32%	0	0	0.0%	6,001,062	5,047,673	18.9%
PALLADIUM	0	0	0.0%	71,159	41,373	71.99%	0	0	0.0%	887,395	552,797	60.5%
SILVER	0	0	0.0%	199,129	180,078	10.58%	0	0	0.0%	2,679,782	1,999,924	34.0%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	24	-79.2%

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CME Group Exchange Volume Comparison Report - Monthly

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Metals Options												
ALUMINUM	0	0	0.0%	2,268	260	772.31%	0	0	0.0%	12,355	997	1,139.2%
COMEX COPPER	0	0	0.0%	62,504	65,920	-5.18%	0	0	0.0%	1,076,183	747,650	43.9%
COMEX GOLD	0	0	0.0%	904,625	490,156	84.56%	0	0	0.0%	10,974,141	8,415,024	30.4%
COMEX SILVER	0	0	0.0%	111,274	138,868	-19.87%	0	0	0.0%	1,711,545	1,333,444	28.4%
COPPER	0	0	0.0%	7,518	5,801	29.60%	0	0	0.0%	106,027	29,176	263.4%
GOLD	0	0	0.0%	347,619	261,471	32.95%	0	0	0.0%	3,372,235	2,557,825	31.8%
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%	216	0	0.00%	0	0	0.0%	721	20	3,505.0%
NYMEX PLATINUM	0	0	0.0%	6,686	347	1,826.80%	0	0	0.0%	61,730	5,971	933.8%
PALLADIUM	0	0	0.0%	873	122	615.57%	0	0	0.0%	6,494	260	2,397.7%
SILVER	0	0	0.0%	45,792	38,222	19.81%	0	0	0.0%	483,170	275,009	75.7%
Energy Futures												
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%
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%	1,061,665	1,117,574	-5.00%	0	0	0.0%	14,781,960	17,052,115	-13.3%
CAR VINTAGE	0	0	0.0%	16,006	5,248	204.99%	0	0	0.0%	126,770	71,376	77.6%
CEU ENERGY	0	-	-	4,897	-		0	-	-	12,766	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	269	10	2,590.00%	0	0	0.0%	2,008	1,786	12.4%
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%
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%	0	80	-100.0%
CRUDE OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CRUDE OIL LAST DAY	0	0	0.0%	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 DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Energy Futures												
CRUDE OIL OUTRIGHTS	0	0	0.0%	1,065	127	738.58%	0	0	0.0%	5,149	736	599.6%
CRUDE OIL PHY	0	0	0.0%	15,282,703	16,341,663	-6.48%	0	0	0.0%	224,019,425	231,782,091	-3.3%
CRUDE OIL SPRDS	0	0	0.0%	736	109	575.23%	0	0	0.0%	3,872	288	1,244.4%
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 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	0.00%	-	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%	23,049	0	0.00%	0	0	0.0%	290,641	10,828	2,584.2%
EAST/WEST FUEL OIL SPREAD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	12	-100.0%
ELEC FINSETTLED	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ELECTRICITY OFF PEAK	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EMMISSIONS	0	0	0.0%	1,110	1,144	-2.97%	0	0	0.0%	27,156	23,572	15.2%
ETHANOL	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%
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 GASOIL 10 CAL SWAP	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 3.5% FUEL OIL MED	-	0	0.0%	-	0	0.00%	-	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%	91	6	1,416.67%	0	0	0.0%	465	2,562	-81.9%
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	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

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Energy Futures												
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	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	0.00%	-	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 CALENDAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	0	0.0%	2,566,119	2,833,397	-9.43%	0	0	0.0%	37,865,633	38,400,135	-1.4%
HENRY HUB SWAP	0	0	0.0%	0	4	-100.00%	0	0	0.0%	176	1,856	-90.5%
HOUSTON SHIP CHANNEL BAS	-	0	0.0%	-	0	0.00%	-	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	0.00%	-	0	0.0%	-	0	0.0%
INDIANA MISO	-	0	0.0%	-	0	0.00%	-	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%

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Energy Futures												
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	0.00%	-	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%
LTD NAT GAS	0	0	0.0%	325,302	295,471	10.10%	0	0	0.0%	3,158,995	2,941,301	7.4%
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%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	30	230	-86.96%	0	0	0.0%	3,284	7,079	-53.6%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	140	-100.0%
MGN1 SWAP FUT	-	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%	7	8	-12.50%	0	0	0.0%	128	107	19.6%
MINY NATURAL GAS	0	0	0.0%	164,801	381,570	-56.81%	0	0	0.0%	2,579,163	3,792,547	-32.0%
MINY RBOB GAS	0	0	0.0%	7	6	16.67%	0	0	0.0%	104	101	3.0%
MINY WTI CRUDE OIL	0	0	0.0%	217,725	386,580	-43.68%	0	0	0.0%	3,637,556	6,940,633	-47.6%
MJC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	310	-100.0%
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%	29	86	-66.28%	0	0	0.0%	367	715	-48.7%
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%	0	26	-100.00%	0	0	0.0%	19	300	-93.7%
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	10	-100.00%	0	0	0.0%	30	10	200.0%
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%	66,817	43,829	52.45%	0	0	0.0%	777,140	508,979	52.7%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	4	-100.0%
NATURAL GAS PHY	0	0	0.0%	9,728,666	7,154,003	35.99%	0	0	0.0%	100,002,833	84,170,185	18.8%
NEPOOL INTR HUB 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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Energy Futures												
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	0.00%	-	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%
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	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	14	8	75.00%	0	0	0.0%	224	80	180.0%
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	0.00%	-	0	0.0%	-	0	0.0%
NYISO ZONE G 5MW D AH O P	-	0	0.0%	-	0	0.00%	-	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%
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	0.00%	-	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	0	0.00%	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
PJM DAILY	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 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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Energy Futures												
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	2,742,138	2,685,906	2.09%	0	0	0.0%	40,734,985	39,277,361	3.7%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 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 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%
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%
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	0.00%	-	0	0.0%	-	0	0.0%
UK NBP NAT GAS CAL MTH FU	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0.00%	0	0	0.0%	16	0	0.0%
WTI-BRENT BULLET SWAP	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
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%	900	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,627	1,725	-5.68%	0	0	0.0%	41,782	37,104	12.6%
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	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	2,975	575	417.39%	0	0	0.0%	10,900	36,908	-70.5%
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	0.00%	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	2,981	11,102	-73.15%	0	0	0.0%	72,869	23,887	205.1%
CRUDE OIL PHY	0	0	0.0%	2,101,374	1,453,456	44.58%	0	0	0.0%	27,818,977	23,522,192	18.3%
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	0	0.00%	0	0	0.0%	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%	886	2,227	-60.22%	0	0	0.0%	12,388	27,204	-54.5%
HENRY HUB FINANCIAL LAST	0	0	0.0%	2,423	12,609	-80.78%	0	0	0.0%	24,034	23,073	4.2%
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%
NATURAL GAS	0	0	0.0%	4,630	0	0.00%	0	0	0.0%	12,991	4,743	173.9%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	16,800	3,710	352.83%	0	0	0.0%	79,191	12,510	533.0%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	200	200	0.00%	0	0	0.0%	79,465	1,000	7,846.5%
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%	1,949,448	981,102	98.70%	0	0	0.0%	20,117,719	11,773,567	70.9%
NATURAL GAS SUMMER STRIF	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	59	291	-79.73%	0	0	0.0%	945	3,359	-71.9%
PETROCHEMICALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	12	150.0%
PETRO OUTRIGHT EURO	-	0	0.0%	-	0	0.00%	-	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%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Energy Options												
PJM WES HUB PEAK LMP 50M	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
RBOB PHY	0	0	0.0%	399	184	116.85%	0	0	0.0%	5,287	9,527	-44.5%
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%	475	1,650	-71.21%	0	0	0.0%	5,162	12,220	-57.8%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	300	0	0.00%	0	0	0.0%	5,050	571	784.4%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	106	-100.00%	0	0	0.0%	170	842	-79.8%
AD/JY CROSS RATES	0	0	0.0%	3,865	2,141	80.52%	0	0	0.0%	20,523	50,247	-59.2%
AD/NE CROSS RATES	0	0	0.0%	5,837	1,748	233.92%	0	0	0.0%	47,679	42,471	12.3%
AUSTRALIAN DOLLAR	0	0	0.0%	2,295,378	2,030,390	13.05%	0	0	0.0%	25,433,573	25,331,568	0.4%
BP/JY CROSS RATES	0	0	0.0%	2,730	4,388	-37.78%	0	0	0.0%	26,124	52,950	-50.7%
BP/SF CROSS RATES	0	0	0.0%	6,288	2,555	146.11%	0	0	0.0%	30,541	25,584	19.4%
BRAZIL REAL	0	0	0.0%	333,854	250,092	33.49%	0	0	0.0%	3,477,432	3,425,260	1.5%
BRITISH POUND	0	0	0.0%	2,243,996	2,336,619	-3.96%	0	0	0.0%	26,463,903	30,688,291	-13.8%
CANADIAN DOLLAR	0	0	0.0%	2,001,807	1,884,186	6.24%	0	0	0.0%	21,189,714	22,693,716	-6.6%
CD/JY CROSS RATES	0	0	0.0%	59	81	-27.16%	0	0	0.0%	665	468	42.1%
CHILEAN PESO	0	0	0.0%	0	0	0.00%	0	0	0.0%	45	24	87.5%
CHINESE RENMINBI (CNH)	0	0	0.0%	64,128	40,239	59.37%	0	0	0.0%	463,125	384,203	20.5%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	6	19	-68.4%
CZECK KORUNA (US)	0	0	0.0%	2	9	-77.78%	0	0	0.0%	45	46	-2.2%
EC/AD CROSS RATES	0	0	0.0%	9,658	8,270	16.78%	0	0	0.0%	63,980	69,274	-7.6%
EC/CD CROSS RATES	0	0	0.0%	15,841	15,153	4.54%	0	0	0.0%	78,335	100,086	-21.7%
EC/NOK CROSS RATES	0	0	0.0%	1,837	1,528	20.22%	0	0	0.0%	14,085	21,242	-33.7%
EC/SEK CROSS RATES	0	0	0.0%	2,649	2,620	1.11%	0	0	0.0%	30,045	27,369	9.8%
EFX/BP CROSS RATES	0	0	0.0%	121,715	136,229	-10.65%	0	0	0.0%	879,542	1,167,208	-24.6%
EFX/JY CROSS RATES	0	0	0.0%	100,662	68,392	47.18%	0	0	0.0%	636,285	646,221	-1.5%
EFX/SF CROSS RATES	0	0	0.0%	50,109	35,553	40.94%	0	0	0.0%	297,238	450,035	-34.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Futures												
E-MICRO USD/CAD	0	0	0.0%	191	159	20.13%	0	0	0.0%	1,297	2,073	-37.4%
E-MICRO USD/CHF	0	0	0.0%	104	108	-3.70%	0	0	0.0%	1,540	874	76.2%
E-MICRO USD/JPY	0	0	0.0%	1,198	1,846	-35.10%	0	0	0.0%	36,858	154,207	-76.1%
E-MINI EURO FX	0	0	0.0%	105,691	202,467	-47.80%	0	0	0.0%	1,400,237	1,910,593	-26.7%
E-MINI JAPANESE YEN	0	0	0.0%	16,975	12,508	35.71%	0	0	0.0%	151,572	144,164	5.1%
EURO FX	0	0	0.0%	5,721,320	5,967,342	-4.12%	0	0	0.0%	57,475,178	60,775,052	-5.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	11	4	175.00%	0	0	0.0%	52	7	642.9%
HUNGARIAN FORINT (US)	0	0	0.0%	0	7	-100.00%	0	0	0.0%	86	55	56.4%
INDIAN RUPEE	0	0	0.0%	23,947	30,647	-21.86%	0	0	0.0%	296,210	330,398	-10.3%
JAPANESE YEN	0	0	0.0%	4,246,856	3,517,212	20.74%	0	0	0.0%	44,044,145	39,300,913	12.1%
KOREAN WON	0	0	0.0%	2,716	140	1,840.00%	0	0	0.0%	9,516	3,851	147.1%
MEXICAN PESO	0	0	0.0%	1,860,310	1,786,552	4.13%	0	0	0.0%	16,509,183	15,233,784	8.4%
MICRO AUD/USD	0	0	0.0%	272,038	267,914	1.54%	0	0	0.0%	3,346,872	3,184,143	5.1%
MICRO CAD/USD	0	0	0.0%	49,561	65,788	-24.67%	0	0	0.0%	623,517	759,823	-17.9%
MICRO CHF/USD	0	0	0.0%	19,639	17,420	12.74%	0	0	0.0%	187,776	207,361	-9.4%
MICRO EUR/USD	0	0	0.0%	580,016	837,913	-30.78%	0	0	0.0%	7,284,299	9,634,442	-24.4%
MICRO GBP/USD	0	0	0.0%	76,972	100,832	-23.66%	0	0	0.0%	837,375	1,480,028	-43.4%
MICRO INR/USD	0	0	0.0%	178	747	-76.17%	0	0	0.0%	4,488	8,554	-47.5%
MICRO JPY/USD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	101,719	-100.0%
MICRO USD/CNH	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	2	-100.0%
NEW ZEALND DOLLAR	0	0	0.0%	710,211	647,307	9.72%	0	0	0.0%	7,983,685	7,762,672	2.8%
NKR/USD CROSS RATE	0	0	0.0%	5,407	2,715	99.15%	0	0	0.0%	38,300	32,624	17.4%
POLISH ZLOTY (EC)	0	0	0.0%	128	235	-45.53%	0	0	0.0%	680	1,454	-53.2%
POLISH ZLOTY (US)	0	0	0.0%	1,694	1,619	4.63%	0	0	0.0%	14,922	17,229	-13.4%
RMB USD	0	0	0.0%	0	1	-100.00%	0	0	0.0%	5	30	-83.3%
RUSSIAN RUBLE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	576,766	-100.0%
S.AFRICAN RAND	0	0	0.0%	74,119	89,109	-16.82%	0	0	0.0%	959,838	1,063,510	-9.7%
SF/JY CROSS RATES	0	0	0.0%	504	754	-33.16%	0	0	0.0%	7,037	7,586	-7.2%
SHEKEL	0	0	0.0%	45	41	9.76%	0	0	0.0%	1,503	194	674.7%
SKR/USD CROSS RATES	0	0	0.0%	5,548	10,062	-44.86%	0	0	0.0%	55,716	78,385	-28.9%
SWISS FRANC	0	0	0.0%	685,769	458,387	49.60%	0	0	0.0%	5,674,028	6,370,993	-10.9%
TURKISH LIRA	0	0	0.0%	2	0	0.00%	0	0	0.0%	22	26	-15.4%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	215	31	593.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
AUD/USD MONDAY OPTION W	0	0	0.0%	100	53	88.68%	0	0	0.0%	2,132	1,901	12.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	282	91	209.89%	0	0	0.0%	4,218	3,395	24.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	45	174	-74.14%	0	0	0.0%	2,133	3,011	-29.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	4	9	-55.56%	0	0	0.0%	3,263	3,589	-9.1%
AUD/USD MONDAY OPTION W	0	0	0.0%	30	1	2,900.00%	0	0	0.0%	760	1,364	-44.3%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	53,689	34,000	57.91%	0	0	0.0%	717,200	780,648	-8.1%
AUD/USD THURSDAY WKLY O	0	0	0.0%	168	1	16,700.00%	0	0	0.0%	1,782	1	178,100.0%
AUD/USD THURSDAY WKLY O	0	-	-	112	-		0	-	-	996	-	-
AUD/USD THURSDAY WKLY O	0	0	0.0%	49	71	-30.99%	0	0	0.0%	1,329	71	1,771.8%
AUD/USD THURSDAY WKLY O	0	0	0.0%	6	3	100.00%	0	0	0.0%	1,623	3	54,000.0%
AUD/USD THURSDAY WKLY O	0	0	0.0%	0	14	-100.00%	0	0	0.0%	567	14	3,950.0%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	113	13	769.23%	0	0	0.0%	2,178	13	16,653.8%
AUD/USD TUESDAY WKLY OPT	0	-	-	153	-		0	-	-	2,110	-	-
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	214	456	-53.07%	0	0	0.0%	1,621	456	255.5%
AUD/USD TUESDAY WKLY OPT	0	0	0.0%	43	154	-72.08%	0	0	0.0%	1,353	154	778.6%
AUD/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	483	-	-
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	7	114	-93.86%	0	0	0.0%	5,497	5,582	-1.5%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	517	1,006	-48.61%	0	0	0.0%	14,193	18,047	-21.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,020	1,019	0.10%	0	0	0.0%	16,532	21,671	-23.7%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,015	1,114	-8.89%	0	0	0.0%	17,193	18,104	-5.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	309	604	-48.84%	0	0	0.0%	4,353	5,800	-24.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	1,078	102	956.86%	0	0	0.0%	5,553	6,213	-10.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	63	280	-77.50%	0	0	0.0%	3,286	5,954	-44.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	367	629	-41.65%	0	0	0.0%	5,861	6,229	-5.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	13	132	-90.15%	0	0	0.0%	2,929	5,716	-48.8%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,635	958	70.7%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	20	42	-52.38%	0	0	0.0%	365	3,318	-89.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	748	207	261.35%	0	0	0.0%	10,205	4,544	124.6%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,326	1,188	11.62%	0	0	0.0%	12,426	12,696	-2.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	1,326	201	559.70%	0	0	0.0%	10,592	11,650	-9.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	964	9	10,611.11%	0	0	0.0%	13,074	7,216	81.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	290	746	-61.13%	0	0	0.0%	724	3,521	-79.4%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	22,213	61,065	-63.62%	0	0	0.0%	529,608	760,937	-30.4%
CAD/USD THURSDAY WKLY O	0	-	-	1,577	-		0	-	-	7,150	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
CAD/USD THURSDAY WKLY O	0	-	-	240	-		0	-	-	3,892	-	-
CAD/USD THURSDAY WKLY O	0	0	0.0%	2,171	2	108,450.00%	0	0	0.0%	6,735	2	336,650.0%
CAD/USD THURSDAY WKLY O	0	-	-	505	-		0	-	-	5,459	-	-
CAD/USD THURSDAY WKLY O	0	0	0.0%	0	7	-100.00%	0	0	0.0%	3,083	7	43,942.9%
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	307	13	2,261.54%	0	0	0.0%	5,223	13	40,076.9%
CAD/USD TUESDAY WKLY OPT	0	-	-	854	-		0	-	-	8,743	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	237	-		0	-	-	6,882	-	-
CAD/USD TUESDAY WKLY OPT	0	0	0.0%	1,161	2	57,950.00%	0	0	0.0%	5,385	2	269,150.0%
CAD/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	1,240	-	-
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	852	167	410.18%	0	0	0.0%	15,862	16,384	-3.2%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,208	1,179	2.46%	0	0	0.0%	24,982	37,299	-33.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,931	2,700	-28.48%	0	0	0.0%	30,250	59,259	-49.0%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,251	2,640	23.14%	0	0	0.0%	35,429	51,269	-30.9%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	947	2,627	-63.95%	0	0	0.0%	12,023	15,253	-21.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	2,253	501	349.70%	0	0	0.0%	17,875	11,411	56.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,191	218	446.33%	0	0	0.0%	13,503	13,026	3.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	664	766	-13.32%	0	0	0.0%	12,756	15,792	-19.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,251	395	216.71%	0	0	0.0%	15,049	17,019	-11.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,874	5,512	-11.6%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	16,506	2,829	483.46%	0	0	0.0%	60,492	49,284	22.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	12	5	140.00%	0	0	0.0%	2,239	1,160	93.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,971	172	1,045.93%	0	0	0.0%	7,850	1,109	607.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,637	57	11,543.86%	0	0	0.0%	16,792	1,353	1,141.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	875	59	1,383.05%	0	0	0.0%	19,255	1,458	1,220.6%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4,404	8	54,950.00%	0	0	0.0%	8,538	208	4,004.8%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	100	-100.00%	0	0	0.0%	0	304	-100.0%
EUR/GBP WKLY FRIDAY OPTIC	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	207	411	-49.64%	0	0	0.0%	16,706	20,698	-19.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,238	2,847	-21.39%	0	0	0.0%	21,896	30,821	-29.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,534	3,206	-52.15%	0	0	0.0%	20,238	15,591	29.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	565	872	-35.21%	0	0	0.0%	18,964	27,818	-31.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,987	720	175.97%	0	0	0.0%	5,225	5,742	-9.0%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	247,521	231,672	6.84%	0	0	0.0%	2,879,290	3,040,311	-5.3%
EUR/USD THURSDAY WKLY O	0	0	0.0%	3,675	51	7,105.88%	0	0	0.0%	15,550	51	30,390.2%

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FX Options												
EUR/USD THURSDAY WKLY O	0	-	-	5,038	-		0	-	-	12,435	-	-
EUR/USD THURSDAY WKLY O	0	0	0.0%	977	36	2,613.89%	0	0	0.0%	9,651	36	26,708.3%
EUR/USD THURSDAY WKLY O	0	0	0.0%	1,218	111	997.30%	0	0	0.0%	10,732	111	9,568.5%
EUR/USD THURSDAY WKLY O	0	0	0.0%	0	42	-100.00%	0	0	0.0%	920	42	2,090.5%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	1,713	351	388.03%	0	0	0.0%	7,815	351	2,126.5%
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	852	324	162.96%	0	0	0.0%	7,857	324	2,325.0%
EUR/USD TUESDAY WKLY OPT	0	-	-	92	-		0	-	-	7,659	-	-
EUR/USD TUESDAY WKLY OPT	0	0	0.0%	157	59	166.10%	0	0	0.0%	6,838	59	11,489.8%
EUR/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	3,008	-	-
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	213	831	-74.37%	0	0	0.0%	39,202	64,417	-39.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	7,604	16,967	-55.18%	0	0	0.0%	196,675	160,928	22.2%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,380	25,878	-44.43%	0	0	0.0%	320,650	203,258	57.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	13,730	9,407	45.96%	0	0	0.0%	302,762	195,153	55.1%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	20,410	7,370	176.93%	0	0	0.0%	55,758	65,408	-14.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,986	4,290	-7.09%	0	0	0.0%	61,961	73,953	-16.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,924	4,618	6.63%	0	0	0.0%	72,910	65,070	12.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	7,260	4,624	57.01%	0	0	0.0%	63,277	63,945	-1.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,919	2,911	68.98%	0	0	0.0%	59,845	73,326	-18.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	21,573	23,274	-7.3%
EVENT CONTRACT EUR/USD	0	0	0.0%	4,572	6,843	-33.19%	0	0	0.0%	63,037	13,685	360.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	417	703	-40.68%	0	0	0.0%	7,335	6,680	9.8%
GBP/USD MONDAY OPTION W	0	0	0.0%	37	754	-95.09%	0	0	0.0%	10,310	11,917	-13.5%
GBP/USD MONDAY OPTION W	0	0	0.0%	908	997	-8.93%	0	0	0.0%	6,589	4,823	36.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	245	509	-51.87%	0	0	0.0%	9,720	6,701	45.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	457	418	9.33%	0	0	0.0%	1,450	3,739	-61.2%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	35,904	52,717	-31.89%	0	0	0.0%	693,100	885,577	-21.7%
GBP/USD THURSDAY WKLY O	0	-	-	64	-		0	-	-	2,707	-	-
GBP/USD THURSDAY WKLY O	0	-	-	44	-		0	-	-	1,995	-	-
GBP/USD THURSDAY WKLY O	0	0	0.0%	1,600	4	39,900.00%	0	0	0.0%	4,512	4	112,700.0%
GBP/USD THURSDAY WKLY O	0	0	0.0%	38	649	-94.14%	0	0	0.0%	1,400	649	115.7%
GBP/USD THURSDAY WKLY O	0	0	0.0%	0	27	-100.00%	0	0	0.0%	443	27	1,540.7%
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	204	41	397.56%	0	0	0.0%	1,897	41	4,526.8%
GBP/USD TUESDAY WKLY OPT	0	-	-	45	-		0	-	-	3,118	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	163	-		0	-	-	2,739	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
GBP/USD TUESDAY WKLY OPT	0	0	0.0%	53	57	-7.02%	0	0	0.0%	2,244	57	3,836.8%
GBP/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	569	-	-
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	4	633	-99.37%	0	0	0.0%	7,925	9,755	-18.8%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	903	1,443	-37.42%	0	0	0.0%	31,856	27,317	16.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,045	3,217	-36.43%	0	0	0.0%	40,213	36,901	9.0%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,869	2,472	-24.39%	0	0	0.0%	30,052	30,167	-0.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,420	3,168	7.95%	0	0	0.0%	10,669	11,999	-11.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	399	1,927	-79.29%	0	0	0.0%	9,035	15,216	-40.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	756	1,054	-28.27%	0	0	0.0%	10,353	6,395	61.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,369	1,193	14.75%	0	0	0.0%	13,666	12,126	12.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	212	1,853	-88.56%	0	0	0.0%	7,624	12,724	-40.1%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,522	1,320	15.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	175	329	-46.81%	0	0	0.0%	9,197	7,111	29.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	4,359	161	2,607.45%	0	0	0.0%	18,669	9,589	94.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	2,432	175	1,289.71%	0	0	0.0%	9,767	3,260	199.6%
JPY/USD MONDAY OPTION WE	0	0	0.0%	748	57	1,212.28%	0	0	0.0%	8,790	12,501	-29.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	181	16	1,031.25%	0	0	0.0%	4,933	983	401.8%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	124,444	65,963	88.66%	0	0	0.0%	1,263,543	1,433,512	-11.9%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	407	10	3,970.00%	0	0	0.0%	3,258	10	32,480.0%
JPY/USD THURSDAY WKLY OP	0	-	-	720	-		0	-	-	1,706	-	-
JPY/USD THURSDAY WKLY OP	0	0	0.0%	1,387	71	1,853.52%	0	0	0.0%	1,929	71	2,616.9%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	19	32	-40.63%	0	0	0.0%	1,066	32	3,231.3%
JPY/USD THURSDAY WKLY OP	0	0	0.0%	0	20	-100.00%	0	0	0.0%	1,608	20	7,940.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,057	4	26,325.00%	0	0	0.0%	2,679	4	66,875.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,397	2	69,750.00%	0	0	0.0%	5,624	2	281,100.0%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	1,727	6	28,683.33%	0	0	0.0%	4,847	6	80,683.3%
JPY/USD TUESDAY WKLY OPT	0	0	0.0%	689	10	6,790.00%	0	0	0.0%	4,213	10	42,030.0%
JPY/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	2,762	-	-
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	16	831	-98.07%	0	0	0.0%	16,903	38,455	-56.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	3,402	2,164	57.21%	0	0	0.0%	80,817	88,438	-8.6%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	12,365	7,825	58.02%	0	0	0.0%	98,047	132,559	-26.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	13,837	4,933	180.50%	0	0	0.0%	104,639	117,268	-10.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,232	2,174	140.66%	0	0	0.0%	24,469	39,244	-37.6%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,766	5,724	-34.21%	0	0	0.0%	41,233	48,047	-14.2%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
FX Options												
JPY/USD WKLY WED OPTIONS	0	0	0.0%	4,331	5,113	-15.29%	0	0	0.0%	37,941	44,582	-14.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	11,571	4,065	184.65%	0	0	0.0%	45,430	39,075	16.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,072	2,044	197.06%	0	0	0.0%	30,484	48,292	-36.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	10,026	14,891	-32.7%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,902	91	1,990.11%	0	0	0.0%	8,488	7,910	7.3%
MXN/USD WKLY FRIDAY OPTI	0	-	-	0	-		0	-	-	5	-	-
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	17	-100.0%
MXN/USD WKLY FRIDAY OPTI	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	100	-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%	3	2	50.00%	0	0	0.0%	713	686	3.9%
NZD/USD WKLY FRIDAY OPTIO	0	-	-	0	-		0	-	-	2	-	-
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	0.00%	-	0	0.0%	-	0	0.0%
USD/CNH MONTHLY OPTIONS	0	-	-	0	-		0	-	-	141	-	-
USD/CNH WEEKLY FRIDAY OP	0	-	-	0	-		0	-	-	34	-	-
ZAR/USD MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	374	228	64.04%	0	0	0.0%	5,250	3,026	73.5%
BUTTER CS	0	0	0.0%	3,451	3,642	-5.24%	0	0	0.0%	43,650	47,615	-8.3%
CASH-SETTLED CHEESE	0	0	0.0%	15,903	11,990	32.64%	0	0	0.0%	159,565	115,003	38.7%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	985,508	893,475	10.30%	0	0	0.0%	16,188,396	14,114,711	14.7%
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%	150	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%	1,971,875	1,352,291	45.82%	0	0	0.0%	30,654,023	25,707,322	19.2%
CLASS IV MILK	0	0	0.0%	1,571	821	91.35%	0	0	0.0%	16,943	24,818	-31.7%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	3,780,060	3,835,224	-1.44%	0	0	0.0%	80,074,503	74,641,429	7.3%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	44	0	0.00%	0	0	0.0%	163	0	0.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Futures												
DOW-UBS COMMOD INDEX	0	0	0.0%	57,225	43,046	32.94%	0	0	0.0%	291,494	480,477	-39.3%
DOW-UBS COMMOD INDEX SW	0	-	-	0	-		0	0	0.0%	0	0	0.0%
DRY WHEY	0	0	0.0%	1,344	1,479	-9.13%	0	0	0.0%	13,121	11,146	17.7%
FEEDER CATTLE	0	0	0.0%	336,070	253,449	32.60%	0	0	0.0%	4,369,044	3,355,174	30.2%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	4	8	-50.0%
GOLDMAN SACHS	0	0	0.0%	1,973	2,221	-11.17%	0	0	0.0%	21,564	32,765	-34.2%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	81	91	-11.0%
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%	200	0	0.00%	0	0	0.0%	250	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	50	0	0.00%	0	0	0.0%	75	0	0.0%
HOGS	0	0	0.0%	779,157	800,607	-2.68%	0	0	0.0%	12,658,342	11,381,406	11.2%
HOUSING INDEX	0	0	0.0%	6	12	-50.00%	0	0	0.0%	194	185	4.9%
KC WHEAT	0	0	0.0%	846,196	476,570	77.56%	0	0	0.0%	12,205,682	10,086,945	21.0%
LUMBER	0	0	0.0%	16,526	13,112	26.04%	0	0	0.0%	186,642	110,568	68.8%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	36,638	27,011	35.64%	0	0	0.0%	395,653	331,751	19.3%
MINI CORN	0	0	0.0%	17,485	25,554	-31.58%	0	0	0.0%	380,198	609,031	-37.6%
MINI SOYBEAN	0	0	0.0%	42,458	46,323	-8.34%	0	0	0.0%	522,009	690,283	-24.4%
MINI WHEAT	0	0	0.0%	17,419	17,930	-2.85%	0	0	0.0%	339,665	324,203	4.8%
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%	3,184	3,869	-17.70%	0	0	0.0%	57,857	65,555	-11.7%
OATS	0	0	0.0%	7,725	8,260	-6.48%	0	0	0.0%	152,993	104,197	46.8%
OTC SP GSCI ER SWAP	0	-	-	0	-		0	-	-	0	-	-
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%	106	1,275	-91.69%	0	0	0.0%	15,008	24,136	-37.8%
ROUGH RICE	0	0	0.0%	28,794	29,157	-1.24%	0	0	0.0%	238,623	236,635	0.8%
SOYBEAN	0	0	0.0%	4,861,599	4,452,876	9.18%	0	0	0.0%	59,409,705	49,066,306	21.1%
SOYBEAN MEAL	0	0	0.0%	2,902,900	2,701,572	7.45%	0	0	0.0%	36,123,157	27,148,631	33.1%
SOYBEAN OIL	0	0	0.0%	2,757,526	3,180,270	-13.29%	0	0	0.0%	36,944,204	29,522,927	25.1%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
WHEAT	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	6,012	-99.5%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Options												
AUG-DEC SOYBEAN MEAL CS	0	-	-	0	-		0	-	-	1,950	-	-
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,410	212	565.1%
BLOCK CHEESE	0	0	0.0%	1,256	124	912.90%	0	0	0.0%	7,310	2,639	177.0%
BUTTER CS	0	0	0.0%	1,754	2,201	-20.31%	0	0	0.0%	19,707	18,392	7.1%
CASH-SETTLED CHEESE	0	0	0.0%	6,762	3,722	81.68%	0	0	0.0%	77,329	71,092	8.8%
CATTLE	0	0	0.0%	335,187	239,496	39.96%	0	0	0.0%	4,072,716	2,570,506	58.4%
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%	520,813	367,085	41.88%	0	0	0.0%	7,507,809	6,904,467	8.7%
CLASS IV MILK	0	0	0.0%	7,975	4,593	73.63%	0	0	0.0%	86,605	86,587	0.0%
CORN	0	0	0.0%	980,301	1,141,436	-14.12%	0	0	0.0%	29,458,986	29,493,687	-0.1%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	2,300	1,445	59.17%	0	0	0.0%	272,295	238,395	14.2%
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,878	0	0.0%
DEC-JUL SOYBEAN MEAL CSO	0	-	-	0	-		0	-	-	230	-	-
DEC-JULY CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	18,724	19,106	-2.0%
DEC-JULY WHEAT CAL SPRD	0	-	-	0	-		0	-	-	350	-	-
DRY WHEY	0	0	0.0%	168	50	236.00%	0	0	0.0%	2,626	2,784	-5.7%
FEEDER CATTLE	0	0	0.0%	61,123	26,693	128.99%	0	0	0.0%	791,694	416,669	90.0%
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%	280,107	219,266	27.75%	0	0	0.0%	3,778,555	2,697,295	40.1%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	300	-100.0%
JULY-DEC CORN CAL SPRD	0	0	0.0%	164	10,638	-98.46%	0	0	0.0%	101,523	104,590	-2.9%
JULY-DEC SOYMEAL CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,270	845	168.6%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	500	-100.00%	0	0	0.0%	2,560	500	412.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	3,200	-100.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	10	2	400.0%
JULY-NOV SOYBEAN CAL SPR	0	0	0.0%	5,188	2,284	127.15%	0	0	0.0%	91,788	55,898	64.2%
KC WHEAT	0	0	0.0%	35,153	35,561	-1.15%	0	0	0.0%	776,249	790,204	-1.8%
LUMBER	0	0	0.0%	607	108	462.04%	0	0	0.0%	6,302	4,424	42.5%
LV CATL CSO	0	-	-	0	-		0	-	-	60	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
Ag Products Options												
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
MAR-JULY CORN CAL SPRD	0	0	0.0%	2,670	5,875	-54.55%	0	0	0.0%	26,649	45,320	-41.2%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	700	-100.00%	0	0	0.0%	1,030	1,350	-23.7%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	60	0	0.00%	0	0	0.0%	60	150	-60.0%
MILK	0	0	0.0%	21,804	17,964	21.38%	0	0	0.0%	262,289	280,173	-6.4%
MLK MID OPTIONS	0	0	0.0%	6	1	500.00%	0	0	0.0%	31	47	-34.0%
NFD MILK	0	0	0.0%	2,828	1,456	94.23%	0	0	0.0%	53,944	39,703	35.9%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,420	5,260	-73.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	4,369	0	0.0%
OATS	0	0	0.0%	140	77	81.82%	0	0	0.0%	2,080	2,075	0.2%
PACIFIC RIM DAT SS WTHR	0	-	-	0	-		0	-	-	0	-	-
PORK CUTOUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	111	45	146.7%
ROUGH RICE	0	0	0.0%	570	2,355	-75.80%	0	0	0.0%	26,088	21,291	22.5%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,350	830	183.1%
SOYBEAN	0	0	0.0%	1,202,319	780,029	54.14%	0	0	0.0%	17,950,189	16,581,280	8.3%
SOYBEAN CRUSH	0	0	0.0%	8	0	0.00%	0	0	0.0%	13	170	-92.4%
SOYBEAN MEAL	0	0	0.0%	439,031	294,839	48.91%	0	0	0.0%	4,824,716	2,732,696	76.6%
SOYBEAN OIL	0	0	0.0%	168,336	322,403	-47.79%	0	0	0.0%	4,085,762	2,997,488	36.3%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	1,890	285	563.16%	0	0	0.0%	81,036	40,794	98.6%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	2,165	0	0.00%	0	0	0.0%	8,845	1,250	607.6%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	175	1,250	-86.0%
WHEAT	0	0	0.0%	1,097	1,111	-1.26%	0	0	0.0%	21,640	4,090	429.1%
WHEAT-CORN ICSCO	0	0	0.0%	0	0	0.00%	0	0	0.0%	270	2,522	-89.3%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	180	971	-81.46%	0	0	0.0%	6,063	34,908	-82.6%
TOTAL FUTURES GROUP												
Interest Rate Futures	482,048	525,851	-8.3%	165,121,118	117,253,652	40.8%	7,539,037	9,657,085	-21.9%	2,316,535,378	2,067,035,940	12.1%
Equity Index Futures	0	0	0.0%	98,421,686	120,327,970	-18.2%	0	0	0.0%	1,304,171,359	1,603,213,717	-18.7%
Metals Futures	0	0	0.0%	9,319,846	7,308,526	27.5%	0	0	0.0%	127,622,823	112,887,325	13.1%
Energy Futures	0	0	0.0%	32,203,246	31,247,015	3.1%	0	0	0.0%	428,030,865	424,987,289	0.7%
FX Futures	0	0	0.0%	21,721,565	20,840,135	4.2%	0	0	0.0%	226,099,207	234,320,667	-3.5%
Ag Products Futures	0	0	0.0%	19,473,367	18,182,264	7.1%	0	0	0.0%	291,468,238	248,242,356	17.4%
TOTAL FUTURES	482,048	525,851	-8.3%	346,260,828	315,159,562	9.9%	7,539,037	9,657,085	-21.9%	4,693,927,870	4,690,687,294	0.1%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry DEC 2023	Open Outcry DEC 2022	% CHG	ELEC DEC 2023	ELEC DEC 2022	% CHG	Open Outcry Y.T.D 2023	Open Outcry Y.T.D 2022	% CHG	ELEC Y.T.D 2023	ELEC Y.T.D 2022	% CHG
TOTAL OPTIONS GROUP												
Equity Index Options	0	0	0.0%	29,619,847	23,295,959	27.1%	0	0	0.0%	333,964,370	286,013,760	16.8%
Interest Rate Options	25,402,306	13,601,900	86.8%	30,273,445	28,538,358	6.1%	278,618,026	191,212,764	45.7%	412,043,575	348,795,113	18.1%
Metals Options	0	0	0.0%	1,489,375	1,001,167	48.8%	0	0	0.0%	17,804,601	13,365,376	33.2%
Energy Options	0	0	0.0%	4,084,577	2,468,831	65.4%	0	0	0.0%	48,287,690	35,487,877	36.1%
FX Options	0	0	0.0%	740,456	618,044	19.8%	0	0	0.0%	8,808,775	9,305,082	-5.3%
Ag Products Options	0	0	0.0%	4,081,962	3,483,268	17.2%	0	0	0.0%	74,444,066	66,274,486	12.3%
TOTAL OPTIONS	25,402,306	13,601,900	86.8%	70,289,662	59,405,627	18.3%	278,618,026	191,212,764	45.7%	895,353,077	759,241,694	17.9%
TOTAL COMBINED												
Interest Rate	25,884,354	14,127,751	83.2%	195,394,563	145,792,010	34.0%	286,157,063	200,869,849	42.5%	2,728,578,953	2,415,831,053	12.9%
Equity Index	0	0	0.0%	128,041,533	143,623,929	-10.8%	0	0	0.0%	1,638,135,729	1,889,227,477	-13.3%
Metals	0	0	0.0%	10,809,221	8,309,693	30.1%	0	0	0.0%	145,427,424	126,252,701	15.2%
Energy	0	0	0.0%	36,287,823	33,715,846	7.6%	0	0	0.0%	476,318,555	460,475,166	3.4%
FX	0	0	0.0%	22,462,021	21,458,179	4.7%	0	0	0.0%	234,907,982	243,625,749	-3.6%
Ag Products	0	0	0.0%	23,555,329	21,665,532	8.7%	0	0	0.0%	365,912,304	314,516,842	16.3%
GRAND TOTAL	25,884,354	14,127,751	83.2%	416,550,490	374,565,189	11.2%	286,157,063	200,869,849	42.5%	5,589,280,947	5,449,928,988	2.6%

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