



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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	3,747	-100.00%	0	0	0.0%	4,082	36,852	-88.9%
10-YR Eris SOFR	0	0	0.0%	2,816	46	6,021.74%	0	0	0.0%	12,975	611	2,023.6%
10-YR MAC LIBOR	0	0	0.0%	0	5,870	-100.00%	0	0	0.0%	27,311	130,175	-79.0%
10-YR MAC SOFR	0	-	-	0	-	-	0	-	-	18	-	-
10-YR NOTE	0	0	0.0%	54,031,539	42,281,896	27.79%	0	0	0.0%	319,093,534	311,228,410	2.5%
10Y YIELD	0	0	0.0%	141,956	94,753	49.82%	0	0	0.0%	706,341	787,263	-10.3%
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	0	0.00%	0	0	0.0%	6	281	-97.9%
1-YR Eris BSBY	0	0	0.0%	0	300	-100.00%	0	0	0.0%	0	1,600	-100.0%
1-YR Eris SOFR	0	0	0.0%	3	4,202	-99.93%	0	0	0.0%	26,627	192,530	-86.2%
20-YR BOND	0	0	0.0%	140	3,934	-96.44%	0	0	0.0%	3,511	27,999	-87.5%
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	1,356	-100.00%	0	0	0.0%	4,517	77,947	-94.2%
2-YR Eris SOFR	0	0	0.0%	2,587	3,232	-19.96%	0	0	0.0%	24,429	88,921	-72.5%
2-YR NOTE	0	0	0.0%	23,426,328	18,527,001	26.44%	0	0	0.0%	122,875,361	110,300,588	11.4%
2Y YIELD	0	0	0.0%	5,462	5,860	-6.79%	0	0	0.0%	53,411	60,656	-11.9%
30-Year UMBS TBA Futures - 2.5	0	-	-	94	-	-	0	-	-	955	-	-
30-Year UMBS TBA Futures - 3.0	0	-	-	709	-	-	0	-	-	2,502	-	-
30-Year UMBS TBA Futures - 3.5	0	-	-	396	-	-	0	-	-	2,861	-	-
30-Year UMBS TBA Futures - 4.0	0	-	-	1,065	-	-	0	-	-	3,696	-	-
30-Year UMBS TBA Futures - 4.5	0	-	-	1,306	-	-	0	-	-	8,670	-	-
30-Year UMBS TBA Futures - 5.0	0	-	-	1,734	-	-	0	-	-	10,657	-	-
30-Year UMBS TBA Futures - 5.5	0	-	-	615	-	-	0	-	-	6,657	-	-
30-Year UMBS TBA Futures - 6.0	0	-	-	1,385	-	-	0	-	-	4,547	-	-
30-YR BOND	0	0	0.0%	12,243,444	9,229,059	32.66%	0	0	0.0%	65,608,077	65,964,716	-0.5%
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%	1,221	6,891	-82.28%	0	0	0.0%	7,781	81,683	-90.5%
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	2,282	-100.00%	0	0	0.0%	3,771	49,178	-92.3%
3-YR Eris SOFR	0	0	0.0%	1,447	1,975	-26.73%	0	0	0.0%	16,449	25,687	-36.0%
3-YR NOTE	0	0	0.0%	171,330	342,085	-49.92%	0	0	0.0%	944,201	2,792,283	-66.2%

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Interest Rate Futures												
4-YR Eris LIBOR	0	0	0.0%	0	1,656	-100.00%	0	0	0.0%	1,140	28,704	-96.0%
4-YR Eris SOFR	0	0	0.0%	1,028	280	267.14%	0	0	0.0%	5,950	4,949	20.2%
5-YR Eris LIBOR	0	0	0.0%	0	19,638	-100.00%	0	0	0.0%	21,264	192,258	-88.9%
5-YR Eris SOFR	0	0	0.0%	10,389	1,436	623.47%	0	0	0.0%	70,647	17,862	295.5%
5-YR MAC LIBOR	0	0	0.0%	0	31,294	-100.00%	0	0	0.0%	39,600	251,511	-84.3%
5-YR MAC SOFR	0	-	-	0	-	-	0	-	-	92	-	-
5-YR NOTE	0	0	0.0%	46,424,088	33,492,353	38.61%	0	0	0.0%	244,288,875	219,392,204	11.3%
5Y YIELD	0	0	0.0%	6	325	-98.15%	0	0	0.0%	944	20,778	-95.5%
7-YR Eris LIBOR	0	0	0.0%	0	2,575	-100.00%	0	0	0.0%	2,242	20,806	-89.2%
7-YR Eris SOFR	0	0	0.0%	1,466	0	0.00%	0	0	0.0%	5,768	199	2,798.5%
BSBY 3-MONTH FUTURES	0	0	0.0%	104	34,249	-99.70%	0	0	0.0%	31,363	491,481	-93.6%
ESTR Basis Spread Futures	0	-	-	1,804	-	-	0	-	-	10,792	-	-
ESTR Futures	0	-	-	160,873	-	-	0	-	-	596,077	-	-
EURODOLLARS	0	327,406	-100.0%	0	26,462,713	-100.00%	258,492	6,022,325	-95.7%	27,895,109	313,023,550	-91.1%
FED FUND	0	0	0.0%	6,640,115	6,125,181	8.41%	0	0	0.0%	79,971,924	56,934,201	40.5%
FTIIE	0	0	0.0%	80	100	-20.00%	0	0	0.0%	1,742	757	130.1%
SOFR	402,066	138,690	189.9%	70,724,805	43,487,351	62.63%	5,545,181	385,845	1,337.2%	547,462,857	252,365,900	116.9%
SONIA	0	0	0.0%	15	0	0.00%	0	0	0.0%	209	1,293	-83.8%
Ultra 10-Year Note	0	0	0.0%	14,585,399	9,175,758	58.96%	0	0	0.0%	75,272,100	63,588,501	18.4%
ULTRA T-BOND	0	0	0.0%	9,920,639	6,808,953	45.70%	0	0	0.0%	45,228,762	38,151,395	18.6%

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Interest Rate Options												
10-YR NOTE	0	0	0.0%	15,014,709	12,563,291	19.51%	0	0	0.0%	110,774,432	106,508,365	4.0%
2-YR NOTE	0	0	0.0%	531,204	134,515	294.90%	0	0	0.0%	3,347,467	432,973	673.1%
30-YR BOND	0	0	0.0%	4,091,789	2,129,275	92.17%	0	0	0.0%	20,696,861	19,419,731	6.6%
5-YR NOTE	0	0	0.0%	5,769,521	4,420,491	30.52%	0	0	0.0%	49,269,447	40,229,168	22.5%
EURODOLLARS	0	3,468,802	-100.0%	0	3,041,169	-100.00%	1,894,920	65,642,966	-97.1%	7,456,246	28,244,016	-73.6%
EURO MIDCURVE	0	1,604,394	-100.0%	0	944,158	-100.00%	396,228	38,752,819	-99.0%	201,525	19,986,079	-99.0%
FED FUND	0	0	0.0%	0	0	0.00%	0	0	0.0%	4	45	-91.1%
SOFR	9,836,550	5,897,964	66.8%	6,738,781	2,411,026	179.50%	157,552,009	17,490,698	800.8%	66,452,119	7,113,049	834.2%
SOFR MIDCURVE	4,862,465	1,800,799	170.0%	1,879,471	851,565	120.71%	34,900,860	5,304,337	558.0%	13,245,629	2,100,316	530.6%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	1,593	0	0.00%	0	0	0.0%	7,426	747	894.1%
ULTRA T-BOND	0	0	0.0%	12,147	1,194	917.34%	0	0	0.0%	28,188	19,406	45.3%
Equity Index Futures												
BITCOIN	0	0	0.0%	225,517	211,565	6.59%	0	0	0.0%	1,677,632	1,599,146	4.9%
DJ US REAL ESTATE SECTOR	0	0	0.0%	20,335	25,712	-20.91%	0	0	0.0%	234,009	268,045	-12.7%
E-mini (\$5) Dow	0	0	0.0%	3,577,295	3,771,826	-5.16%	0	0	0.0%	28,579,805	34,343,445	-16.8%
E-mini FTSE China 50	0	0	0.0%	0	64	-100.00%	0	0	0.0%	44	6,905	-99.4%
E-MINI MIDCAP	0	0	0.0%	240,203	249,829	-3.85%	0	0	0.0%	2,149,612	2,608,058	-17.6%
E-MINI NASDAQ 100	0	0	0.0%	15,137,267	13,970,283	8.35%	0	0	0.0%	110,253,525	115,381,114	-4.4%
E-MINI RUSSELL 1000	0	0	0.0%	1,680	1,011	66.17%	0	0	0.0%	18,471	23,098	-20.0%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	813	1,578	-48.48%	0	0	0.0%	17,474	35,559	-50.9%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	1,408	4,209	-66.55%	0	0	0.0%	33,991	61,972	-45.2%
E-MINI RUSSELL 2000	0	0	0.0%	4,109,619	4,140,664	-0.75%	0	0	0.0%	35,539,144	39,026,152	-8.9%
E-MINI S&P500	0	0	0.0%	36,088,769	38,337,308	-5.87%	0	0	0.0%	296,433,111	314,302,767	-5.7%
E-MINI S&P500 ESG	0	0	0.0%	15,324	14,920	2.71%	0	0	0.0%	142,565	192,830	-26.1%
ETHER	0	0	0.0%	0	2	-100.00%	0	0	0.0%	0	2	-100.0%
ETHER FUTURES	0	0	0.0%	83,182	141,801	-41.34%	0	0	0.0%	813,318	1,028,588	-20.9%
FT-SE 100	0	0	0.0%	184	60	206.67%	0	0	0.0%	644	1,304	-50.6%
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	31	30	3.33%	0	0	0.0%	289	475	-39.2%

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Equity Index Futures												
MICRO BITCOIN	0	0	0.0%	160,723	202,989	-20.82%	0	0	0.0%	1,657,696	2,766,482	-40.1%
MICRO E-MINI NASDAQ 100	0	0	0.0%	27,371,602	28,667,304	-4.52%	0	0	0.0%	177,774,195	251,083,283	-29.2%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,530,334	1,926,648	-20.57%	0	0	0.0%	13,155,498	23,477,697	-44.0%
MICRO E-MINI S&P500	0	0	0.0%	22,107,031	26,196,251	-15.61%	0	0	0.0%	173,602,284	222,300,686	-21.9%
MICRO ETHER	0	0	0.0%	114,244	405,639	-71.84%	0	0	0.0%	1,471,713	3,422,934	-57.0%
MICRO MINI \$5 DOW	0	0	0.0%	1,906,342	2,546,298	-25.13%	0	0	0.0%	18,523,554	31,737,754	-41.6%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	88	-100.00%	0	0	0.0%	3,203	18,429	-82.6%
NASDAQ BIOTECH SECTOR	0	0	0.0%	9	100	-91.00%	0	0	0.0%	1,157	1,369	-15.5%
Nearby BTIC+	0	0	0.0%	0	300	-100.00%	0	0	0.0%	0	4,450	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	147,106	82,865	77.52%	0	0	0.0%	1,076,510	934,974	15.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	554,988	578,657	-4.09%	0	0	0.0%	4,967,819	6,289,001	-21.0%
PHLX SEMICONDUCTOR SECT	0	0	0.0%	23	26	-11.54%	0	0	0.0%	1,977	26	7,503.8%
S&P 500	0	0	0.0%	1,003	8	12,437.50%	0	0	0.0%	21,510	1,825	1,078.6%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	35,769	16,277	119.75%	0	0	0.0%	249,706	233,813	6.8%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	7,286	1,926	278.30%	0	0	0.0%	75,196	11,787	538.0%
S&P 600 SMALLCAP EMINI	0	-	-	78	-		0	-	-	133	-	-
S&P BIOTECHNOLOGY SECTO	0	0	0.0%	550	5,807	-90.53%	0	0	0.0%	4,381	5,807	-24.6%
S&P COMMUNICATION SERVIC	0	0	0.0%	998	1,725	-42.14%	0	0	0.0%	25,833	25,000	3.3%
S&P CONSUMER DISCRETION	0	0	0.0%	2,904	3,217	-9.73%	0	0	0.0%	40,950	53,354	-23.2%
S&P CONSUMER STAPLES SE	0	0	0.0%	11,832	13,502	-12.37%	0	0	0.0%	127,118	123,502	2.9%
S&P ENERGY SECTOR	0	0	0.0%	13,017	30,228	-56.94%	0	0	0.0%	175,271	351,412	-50.1%
S&P FINANCIAL SECTOR	0	0	0.0%	7,929	8,859	-10.50%	0	0	0.0%	160,033	184,451	-13.2%
S&P HEALTH CARE SECTOR	0	0	0.0%	5,478	6,671	-17.88%	0	0	0.0%	93,893	141,794	-33.8%
S&P INDUSTRIAL SECTOR	0	0	0.0%	6,115	6,646	-7.99%	0	0	0.0%	83,521	101,413	-17.6%
S&P MATERIALS SECTOR	0	0	0.0%	4,955	5,655	-12.38%	0	0	0.0%	58,987	61,913	-4.7%
S&P OIL & GAS EXPLORATION	0	0	0.0%	76	3,134	-97.57%	0	0	0.0%	1,494	3,134	-52.3%
S&P REAL ESTATE SECTOR	0	0	0.0%	1,798	1,135	58.41%	0	0	0.0%	40,667	30,275	34.3%
S&P REGIONAL BANKS SECTO	0	0	0.0%	371	287	29.27%	0	0	0.0%	6,551	287	2,182.6%
S&P RETAIL SECTOR	0	0	0.0%	78	1,787	-95.64%	0	0	0.0%	1,752	1,787	-2.0%
S&P TECHNOLOGY SECTOR	0	0	0.0%	5,756	9,269	-37.90%	0	0	0.0%	82,672	140,598	-41.2%
S&P UTILITIES SECTOR	0	0	0.0%	11,612	11,988	-3.14%	0	0	0.0%	129,401	130,953	-1.2%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TOPIX (USD)	0	-	-	104	-		0	-	-	716	-	-
TOPIX (YEN)	0	0	0.0%	184	2,558	-92.81%	0	0	0.0%	2,003	18,196	-89.0%

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Equity Index Futures												
WATER INDEX FUTURES	0	0	0.0%	3	25	-88.00%	0	0	0.0%	128	592	-78.4%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	3,426	1,747	96.11%	0	0	0.0%	21,789	11,298	92.9%
DJIA	0	-	-	5,418	-		0	-	-	55,919	-	-
E-mini (\$5) Dow	0	0	0.0%	332	1,706	-80.54%	0	0	0.0%	5,381	17,952	-70.0%
E-MINI NASDAQ 100	0	0	0.0%	1,811,484	892,403	102.99%	0	0	0.0%	10,686,268	7,860,966	35.9%
E-MINI RUSSELL 2000	0	0	0.0%	112,761	110,508	2.04%	0	0	0.0%	1,131,414	1,122,048	0.8%
E-MINI S&P500	0	0	0.0%	29,983,304	20,601,786	45.54%	0	0	0.0%	189,752,425	168,272,525	12.8%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	-	-	2,592	-		0	-	-	9,099	-	-
EVENT CONTRACT S&P 500	0	-	-	6,393	-		0	-	-	42,524	-	-
MICRO BITCOIN	0	0	0.0%	16,720	12,832	30.30%	0	0	0.0%	85,504	52,141	64.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	73,384	43,257	69.65%	0	0	0.0%	451,561	452,881	-0.3%
Micro E-mini S&P 500	0	0	0.0%	228,864	193,756	18.12%	0	0	0.0%	1,842,730	1,861,669	-1.0%
MICRO ETHER	0	0	0.0%	25,691	95,795	-73.18%	0	0	0.0%	139,595	143,414	-2.7%
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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	89,640	41,928	113.80%	0	0	0.0%	619,088	215,654	187.1%
COBALT METAL FUTURES	0	0	0.0%	41	1	4,000.00%	0	0	0.0%	370	14	2,542.9%
COMEX COPPER	0	0	0.0%	2,509,683	2,098,957	19.57%	0	0	0.0%	17,426,681	14,046,828	24.1%
COMEX E-Mini GOLD	0	0	0.0%	18,890	22,372	-15.56%	0	0	0.0%	278,507	237,972	17.0%
COMEX E-Mini SILVER	0	0	0.0%	4,124	3,505	17.66%	0	0	0.0%	46,334	30,734	50.8%
COMEX GOLD	0	0	0.0%	3,444,551	3,359,403	2.53%	0	0	0.0%	37,931,826	36,146,333	4.9%
COMEX MINY COPPER	0	0	0.0%	5,354	3,792	41.19%	0	0	0.0%	46,188	29,098	58.7%
COMEX SILVER	0	0	0.0%	1,823,690	1,546,596	17.92%	0	0	0.0%	12,126,923	11,201,632	8.3%
COPPER	0	0	0.0%	105,572	71,907	46.82%	0	0	0.0%	865,268	279,043	210.1%
FERROUS PRODUCTS	0	0	0.0%	343	404	-15.10%	0	0	0.0%	2,683	3,484	-23.0%
GOLD	0	0	0.0%	253	3,720	-93.20%	0	0	0.0%	4,144	56,286	-92.6%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	1,214	896	35.49%	0	0	0.0%	12,147	5,182	134.4%
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%	3	0	0.00%	0	0	0.0%	142	51	178.4%
MICRO GOLD	0	0	0.0%	1,052,708	922,779	14.08%	0	0	0.0%	11,476,309	8,691,382	32.0%
MOLYBDENUM OXIDE FUTURE	0	-	-	0	-		0	-	-	0	-	-
NYMEX HOT ROLLED STEEL	0	0	0.0%	8,111	6,322	28.30%	0	0	0.0%	72,698	39,462	84.2%
NYMEX PLATINUM	0	0	0.0%	475,847	364,557	30.53%	0	0	0.0%	3,599,658	3,150,602	14.3%
PALLADIUM	0	0	0.0%	120,460	54,757	119.99%	0	0	0.0%	531,475	363,915	46.0%
SILVER	0	0	0.0%	207,345	142,533	45.47%	0	0	0.0%	1,756,547	1,276,723	37.6%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	24	-100.0%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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 Options												
ALUMINUM	0	0	0.0%	929	0	0.00%	0	0	0.0%	6,478	0	0.0%
COMEX COPPER	0	0	0.0%	96,622	60,005	61.02%	0	0	0.0%	785,055	464,512	69.0%
COMEX GOLD	0	0	0.0%	691,811	519,822	33.09%	0	0	0.0%	6,911,935	5,865,524	17.8%
COMEX SILVER	0	0	0.0%	140,853	75,629	86.24%	0	0	0.0%	1,178,431	772,167	52.6%
COPPER	0	0	0.0%	8,808	2,345	275.61%	0	0	0.0%	68,127	10,537	546.6%
GOLD	0	0	0.0%	220,001	182,653	20.45%	0	0	0.0%	2,097,464	1,643,944	27.6%
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%	110	0	0.00%	0	0	0.0%	128	0	0.0%
NYMEX PLATINUM	0	0	0.0%	4,779	250	1,811.60%	0	0	0.0%	34,193	4,052	743.9%
PALLADIUM	0	0	0.0%	194	12	1,516.67%	0	0	0.0%	3,860	123	3,038.2%
SILVER	0	0	0.0%	43,570	18,684	133.19%	0	0	0.0%	304,654	142,464	113.8%
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%	1,267,160	1,315,537	-3.68%	0	0	0.0%	9,195,188	11,790,728	-22.0%
CAR VINTAGE	0	0	0.0%	6,665	11,277	-40.90%	0	0	0.0%	75,179	48,615	54.6%
CEU ENERGY	0	-	-	155	-		0	-	-	155	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	350	168	108.33%	0	0	0.0%	1,228	1,220	0.7%
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	74	-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

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Energy Futures												
CRUDE OIL OUTRIGHTS	0	0	0.0%	410	0	0.00%	0	0	0.0%	1,925	0	0.0%
CRUDE OIL PHY	0	0	0.0%	20,327,232	20,199,682	0.63%	0	0	0.0%	148,342,122	163,341,232	-9.2%
CRUDE OIL SPRDS	0	0	0.0%	287	0	0.00%	0	0	0.0%	1,527	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 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%	62,770	0	0.00%	0	0	0.0%	125,613	10,828	1,060.1%
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	12	-100.00%	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%	1,379	5,419	-74.55%	0	0	0.0%	17,391	14,946	16.4%
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	-	-
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%	0	10	-100.00%	0	0	0.0%	261	2,377	-89.0%
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

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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												
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	-	-
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%	3,865,393	3,216,566	20.17%	0	0	0.0%	24,872,447	26,097,550	-4.7%
HENRY HUB SWAP	0	0	0.0%	0	32	-100.00%	0	0	0.0%	176	1,274	-86.2%
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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CME Group Exchange Volume Comparison Report - Monthly

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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%	285,843	202,150	41.40%	0	0	0.0%	1,980,022	1,944,105	1.8%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	324	229	41.48%	0	0	0.0%	2,522	5,846	-56.9%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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%	12	10	20.00%	0	0	0.0%	84	67	25.4%
MINY NATURAL GAS	0	0	0.0%	191,828	384,388	-50.10%	0	0	0.0%	1,889,865	2,627,251	-28.1%
MINY RBOB GAS	0	0	0.0%	7	14	-50.00%	0	0	0.0%	75	74	1.4%
MINY WTI CRUDE OIL	0	0	0.0%	256,024	648,067	-60.49%	0	0	0.0%	2,537,951	5,050,786	-49.8%
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	45	-100.00%	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%	13	63	-79.37%	0	0	0.0%	173	230	-24.8%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	43	-100.00%	0	0	0.0%	19	86	-77.9%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	68,525	28,502	140.42%	0	0	0.0%	497,297	361,056	37.7%
NATURAL GAS PEN SWP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	0	0.0%	8,478,025	5,730,754	47.94%	0	0	0.0%	65,443,780	57,929,235	13.0%
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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	0	33	-100.00%	0	0	0.0%	171	64	167.2%
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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	4,184,544	3,152,080	32.76%	0	0	0.0%	28,463,014	28,258,857	0.7%
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	-	-
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 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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	3,560	3,833	-7.12%	0	0	0.0%	34,344	20,988	63.6%
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%	0	502	-100.00%	0	0	0.0%	3,625	31,213	-88.4%
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	-	-	6,725	-		0	-	-	50,786	-	-
CRUDE OIL PHY	0	0	0.0%	2,386,706	1,940,365	23.00%	0	0	0.0%	16,481,809	16,887,042	-2.4%
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%	1,916	1,881	1.86%	0	0	0.0%	8,573	19,377	-55.8%
HENRY HUB FINANCIAL LAST	0	0	0.0%	967	0	0.00%	0	0	0.0%	18,136	106	17,009.4%
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%	1,665	354	370.34%	0	0	0.0%	3,703	3,935	-5.9%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	12,100	0	0.00%	0	0	0.0%	37,157	5,200	614.6%
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%	2,300	0	0.00%	0	0	0.0%	79,240	800	9,805.0%
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%	2,090,796	932,006	124.33%	0	0	0.0%	12,024,372	8,315,247	44.6%
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%	27	380	-92.89%	0	0	0.0%	745	1,330	-44.0%
PETROCHEMICALS	0	0	0.0%	3	1	200.00%	0	0	0.0%	24	12	100.0%
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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	364	883	-58.78%	0	0	0.0%	4,383	8,399	-47.8%
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%	50	175	-71.43%	0	0	0.0%	4,100	8,145	-49.7%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	2,650	0	0.00%	0	0	0.0%	4,250	271	1,468.3%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	17	-100.00%	0	0	0.0%	167	352	-52.6%
AD/JY CROSS RATES	0	0	0.0%	982	2,760	-64.42%	0	0	0.0%	11,719	38,096	-69.2%
AD/NE CROSS RATES	0	0	0.0%	2,112	2,306	-8.41%	0	0	0.0%	24,791	14,826	67.2%
AUSTRALIAN DOLLAR	0	0	0.0%	1,916,612	2,000,439	-4.19%	0	0	0.0%	15,568,544	16,247,327	-4.2%
BP/JY CROSS RATES	0	0	0.0%	1,460	2,791	-47.69%	0	0	0.0%	17,425	28,160	-38.1%
BP/SF CROSS RATES	0	0	0.0%	693	1,663	-58.33%	0	0	0.0%	17,108	14,144	21.0%
BRAZIL REAL	0	0	0.0%	359,024	249,316	44.00%	0	0	0.0%	2,099,452	2,250,765	-6.7%
BRITISH POUND	0	0	0.0%	2,091,141	2,415,490	-13.43%	0	0	0.0%	17,104,835	18,531,315	-7.7%
CANADIAN DOLLAR	0	0	0.0%	1,599,485	1,775,728	-9.93%	0	0	0.0%	13,332,387	14,305,385	-6.8%
CD/JY CROSS RATES	0	0	0.0%	59	3	1,866.67%	0	0	0.0%	397	272	46.0%
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%	34,233	24,825	37.90%	0	0	0.0%	220,510	203,875	8.2%
CZECK KORUNA (EC)	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	19	-73.7%
CZECK KORUNA (US)	0	0	0.0%	5	0	0.00%	0	0	0.0%	33	18	83.3%
EC/AD CROSS RATES	0	0	0.0%	2,775	4,058	-31.62%	0	0	0.0%	32,214	39,665	-18.8%
EC/CD CROSS RATES	0	0	0.0%	2,505	4,298	-41.72%	0	0	0.0%	41,794	62,744	-33.4%
EC/NOK CROSS RATES	0	0	0.0%	354	959	-63.09%	0	0	0.0%	8,946	9,421	-5.0%
EC/SEK CROSS RATES	0	0	0.0%	887	3,634	-75.59%	0	0	0.0%	15,627	18,478	-15.4%
EFX/BP CROSS RATES	0	0	0.0%	41,778	62,119	-32.75%	0	0	0.0%	457,763	692,536	-33.9%
EFX/JY CROSS RATES	0	0	0.0%	29,927	27,992	6.91%	0	0	0.0%	340,057	420,508	-19.1%
EFX/SF CROSS RATES	0	0	0.0%	11,145	20,654	-46.04%	0	0	0.0%	156,302	312,221	-49.9%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	42	50	-16.00%	0	0	0.0%	974	1,735	-43.9%
E-MICRO USD/CHF	0	0	0.0%	54	33	63.64%	0	0	0.0%	1,202	644	86.6%
E-MICRO USD/JPY	0	0	0.0%	7,570	2,411	213.98%	0	0	0.0%	28,956	148,344	-80.5%
E-MINI EURO FX	0	0	0.0%	102,553	169,440	-39.48%	0	0	0.0%	981,394	1,145,385	-14.3%
E-MINI JAPANESE YEN	0	0	0.0%	13,314	17,648	-24.56%	0	0	0.0%	99,505	83,175	19.6%
EURO FX	0	0	0.0%	4,148,799	4,999,374	-17.01%	0	0	0.0%	36,828,800	37,540,672	-1.9%
HUNGARIAN FORINT (EC)	0	0	0.0%	1	0	0.00%	0	0	0.0%	22	2	1,000.0%
HUNGARIAN FORINT (US)	0	0	0.0%	3	2	50.00%	0	0	0.0%	85	38	123.7%
INDIAN RUPEE	0	0	0.0%	23,832	31,072	-23.30%	0	0	0.0%	219,445	183,433	19.6%
JAPANESE YEN	0	0	0.0%	3,116,458	3,655,597	-14.75%	0	0	0.0%	28,367,337	24,105,582	17.7%
KOREAN WON	0	0	0.0%	968	200	384.00%	0	0	0.0%	2,900	2,623	10.6%
MEXICAN PESO	0	0	0.0%	1,198,730	1,045,472	14.66%	0	0	0.0%	9,649,861	8,912,578	8.3%
MICRO AUD/USD	0	0	0.0%	299,003	241,468	23.83%	0	0	0.0%	2,188,219	2,077,650	5.3%
MICRO CAD/USD	0	0	0.0%	42,381	49,861	-15.00%	0	0	0.0%	423,079	458,300	-7.7%
MICRO CHF/USD	0	0	0.0%	16,520	17,658	-6.44%	0	0	0.0%	124,435	131,962	-5.7%
MICRO EUR/USD	0	0	0.0%	602,602	833,954	-27.74%	0	0	0.0%	5,031,318	5,975,266	-15.8%
MICRO GBP/USD	0	0	0.0%	75,194	110,406	-31.89%	0	0	0.0%	554,933	785,537	-29.4%
MICRO INR/USD	0	0	0.0%	308	433	-28.87%	0	0	0.0%	3,578	5,830	-38.6%
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%	653,435	671,643	-2.71%	0	0	0.0%	5,047,813	4,810,149	4.9%
NKR/USD CROSS RATE	0	0	0.0%	2,166	2,010	7.76%	0	0	0.0%	24,532	22,765	7.8%
POLISH ZLOTY (EC)	0	0	0.0%	23	18	27.78%	0	0	0.0%	370	1,008	-63.3%
POLISH ZLOTY (US)	0	0	0.0%	969	429	125.87%	0	0	0.0%	7,798	9,971	-21.8%
RMB USD	0	0	0.0%	0	4	-100.00%	0	0	0.0%	5	19	-73.7%
RUSSIAN RUBLE	0	0	0.0%	0	78	-100.00%	0	0	0.0%	0	576,744	-100.0%
S.AFRICAN RAND	0	0	0.0%	95,347	70,996	34.30%	0	0	0.0%	626,774	727,428	-13.8%
SF/JY CROSS RATES	0	0	0.0%	188	330	-43.03%	0	0	0.0%	4,147	4,445	-6.7%
SHEKEL	0	0	0.0%	212	10	2,020.00%	0	0	0.0%	764	108	607.4%
SKR/USD CROSS RATES	0	0	0.0%	3,342	4,275	-21.82%	0	0	0.0%	35,225	47,437	-25.7%
SWISS FRANC	0	0	0.0%	371,812	542,057	-31.41%	0	0	0.0%	3,501,110	4,223,550	-17.1%
TURKISH LIRA	0	0	0.0%	0	0	0.00%	0	0	0.0%	20	0	0.0%
USDZAR	0	0	0.0%	0	0	0.00%	0	0	0.0%	105	31	238.7%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	296	1	29,500.00%	0	0	0.0%	1,588	1,699	-6.5%
AUD/USD MONDAY OPTION W	0	0	0.0%	722	99	629.29%	0	0	0.0%	3,483	3,190	9.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	127	208	-38.94%	0	0	0.0%	1,845	2,202	-16.2%
AUD/USD MONDAY OPTION W	0	0	0.0%	725	86	743.02%	0	0	0.0%	2,539	2,875	-11.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	0	439	-100.00%	0	0	0.0%	490	1,218	-59.8%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	58,910	60,739	-3.01%	0	0	0.0%	458,706	549,315	-16.5%
AUD/USD THURSDAY WKLY O	0	-	-	13	-	-	0	-	-	1,024	-	-
AUD/USD THURSDAY WKLY O	0	-	-	104	-	-	0	-	-	742	-	-
AUD/USD THURSDAY WKLY O	0	-	-	35	-	-	0	-	-	1,206	-	-
AUD/USD THURSDAY WKLY O	0	-	-	1,048	-	-	0	-	-	1,496	-	-
AUD/USD THURSDAY WKLY O	0	-	-	10	-	-	0	-	-	498	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	1,303	-	-	0	-	-	1,538	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	30	-	-	0	-	-	1,762	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	127	-	-	0	-	-	1,165	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	401	-	-	0	-	-	932	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	77	-	-	0	-	-	282	-	-
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,874	1,416	102.97%	0	0	0.0%	4,268	4,395	-2.9%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,601	689	132.37%	0	0	0.0%	10,973	11,903	-7.8%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,179	1,356	-13.05%	0	0	0.0%	11,820	16,994	-30.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,627	2,181	-25.40%	0	0	0.0%	13,302	12,497	6.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	297	307	-3.26%	0	0	0.0%	2,389	4,224	-43.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	295	131	125.19%	0	0	0.0%	3,687	5,547	-33.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	540	483	11.80%	0	0	0.0%	2,185	3,995	-45.3%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	295	184	60.33%	0	0	0.0%	2,582	5,116	-49.5%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	172	347	-50.43%	0	0	0.0%	2,117	4,494	-52.9%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	757	319	137.30%	0	0	0.0%	1,279	578	121.3%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	140	365	-61.64%	0	0	0.0%	345	2,737	-87.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	250	0	0.00%	0	0	0.0%	6,352	1,288	393.2%
CAD/USD MONDAY OPTIONS	0	0	0.0%	471	1,078	-56.31%	0	0	0.0%	9,056	9,568	-5.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	711	1,683	-57.75%	0	0	0.0%	6,083	7,700	-21.0%
CAD/USD MONDAY OPTIONS	0	0	0.0%	953	899	6.01%	0	0	0.0%	5,654	6,202	-8.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	0	279	-100.00%	0	0	0.0%	338	1,535	-78.0%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	26,097	55,780	-53.21%	0	0	0.0%	413,388	486,305	-15.0%
CAD/USD THURSDAY WKLY O	0	-	-	12	-	-	0	-	-	2,276	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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	-	-	46	-		0	-	-	2,303	-	-
CAD/USD THURSDAY WKLY O	0	-	-	201	-		0	-	-	2,605	-	-
CAD/USD THURSDAY WKLY O	0	-	-	385	-		0	-	-	3,914	-	-
CAD/USD THURSDAY WKLY O	0	-	-	351	-		0	-	-	2,323	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	218	-		0	-	-	3,029	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	22	-		0	-	-	4,982	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	7	-		0	-	-	2,764	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	2	-		0	-	-	1,306	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	109	-		0	-	-	917	-	-
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	5,305	4,243	25.03%	0	0	0.0%	10,877	11,917	-8.7%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	624	3,508	-82.21%	0	0	0.0%	15,934	27,727	-42.5%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,142	5,142	-58.34%	0	0	0.0%	17,379	45,042	-61.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,044	2,489	-17.88%	0	0	0.0%	22,763	34,411	-33.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	254	2	12,600.00%	0	0	0.0%	7,782	9,869	-21.1%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,318	1,795	-26.57%	0	0	0.0%	10,722	8,025	33.6%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	690	2,230	-69.06%	0	0	0.0%	8,847	10,817	-18.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	426	1,608	-73.51%	0	0	0.0%	6,438	11,755	-45.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	73	407	-82.06%	0	0	0.0%	8,867	13,569	-34.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,435	362	296.41%	0	0	0.0%	3,566	4,474	-20.3%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	3,468	1,596	117.29%	0	0	0.0%	28,003	35,305	-20.7%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,912	414	361.84%	0	0	0.0%	2,047	989	107.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	38	28	35.71%	0	0	0.0%	5,481	863	535.1%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,894	104	1,721.15%	0	0	0.0%	6,683	963	594.0%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	2,989	29	10,206.90%	0	0	0.0%	15,296	1,026	1,390.8%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	4	1	300.00%	0	0	0.0%	3,061	83	3,588.0%
EUR/GBP MONTHLY OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	204	-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%	159	615	-74.15%	0	0	0.0%	13,534	12,053	12.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,707	769	121.98%	0	0	0.0%	13,725	19,133	-28.3%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,535	124	1,137.90%	0	0	0.0%	10,930	7,536	45.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,828	468	290.60%	0	0	0.0%	14,522	19,894	-27.0%
EUR/USD MONDAY OPTION W	0	0	0.0%	0	1,400	-100.00%	0	0	0.0%	2,061	4,256	-51.6%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	242,305	197,166	22.89%	0	0	0.0%	1,831,520	1,802,816	1.6%
EUR/USD THURSDAY WKLY O	0	-	-	165	-		0	-	-	6,380	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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												
EUR/USD THURSDAY WKLY O	0	-	-	972	-	-	0	-	-	5,456	-	-
EUR/USD THURSDAY WKLY O	0	-	-	26	-	-	0	-	-	4,554	-	-
EUR/USD THURSDAY WKLY O	0	-	-	48	-	-	0	-	-	6,847	-	-
EUR/USD THURSDAY WKLY O	0	-	-	281	-	-	0	-	-	380	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	854	-	-	0	-	-	2,563	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	204	-	-	0	-	-	5,556	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	22	-	-	0	-	-	5,607	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	79	-	-	0	-	-	3,837	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	169	-	-	0	-	-	1,588	-	-
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	14,852	10,847	36.92%	0	0	0.0%	28,435	46,854	-39.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,455	9,060	147.85%	0	0	0.0%	144,515	113,543	27.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	24,109	17,583	37.12%	0	0	0.0%	187,104	128,265	45.9%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	34,930	16,279	114.57%	0	0	0.0%	223,294	148,452	50.4%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	759	27	2,711.11%	0	0	0.0%	19,986	43,231	-53.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	5,692	4,141	37.45%	0	0	0.0%	37,290	45,389	-17.8%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	6,771	4,503	50.37%	0	0	0.0%	46,138	40,765	13.2%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,096	4,736	-34.63%	0	0	0.0%	35,359	42,581	-17.0%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,962	7,079	-44.03%	0	0	0.0%	34,398	48,237	-28.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,435	7,189	-38.31%	0	0	0.0%	14,869	20,237	-26.5%
EVENT CONTRACT EUR/USD	0	-	-	7,754	-	-	0	-	-	44,814	-	-
GBP/USD MONDAY OPTION W	0	0	0.0%	158	1	15,700.00%	0	0	0.0%	4,515	4,137	9.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	864	1,538	-43.82%	0	0	0.0%	8,767	8,861	-1.1%
GBP/USD MONDAY OPTION W	0	0	0.0%	423	89	375.28%	0	0	0.0%	2,874	2,171	32.4%
GBP/USD MONDAY OPTION W	0	0	0.0%	514	139	269.78%	0	0	0.0%	3,752	4,020	-6.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	0	1,119	-100.00%	0	0	0.0%	591	1,480	-60.1%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	73,047	76,519	-4.54%	0	0	0.0%	480,620	570,138	-15.7%
GBP/USD THURSDAY WKLY O	0	-	-	191	-	-	0	-	-	1,658	-	-
GBP/USD THURSDAY WKLY O	0	-	-	56	-	-	0	-	-	1,632	-	-
GBP/USD THURSDAY WKLY O	0	-	-	123	-	-	0	-	-	2,195	-	-
GBP/USD THURSDAY WKLY O	0	-	-	99	-	-	0	-	-	965	-	-
GBP/USD THURSDAY WKLY O	0	-	-	72	-	-	0	-	-	363	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	53	-	-	0	-	-	1,027	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	226	-	-	0	-	-	2,759	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	112	-	-	0	-	-	1,789	-	-

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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	-	-	136	-		0	-	-	1,552	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	107	-		0	-	-	448	-	-
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,801	3,015	26.07%	0	0	0.0%	6,483	7,301	-11.2%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	927	3,353	-72.35%	0	0	0.0%	22,299	17,746	25.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,758	2,214	69.74%	0	0	0.0%	31,486	21,478	46.6%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,997	2,063	93.75%	0	0	0.0%	18,716	17,510	6.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	715	726	-1.52%	0	0	0.0%	4,743	6,292	-24.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	129	419	-69.21%	0	0	0.0%	5,432	9,625	-43.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	822	401	104.99%	0	0	0.0%	8,681	3,911	122.0%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	687	98	601.02%	0	0	0.0%	9,482	7,311	29.7%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	391	959	-59.23%	0	0	0.0%	5,454	7,330	-25.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	784	189	314.81%	0	0	0.0%	1,449	670	116.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	273	4	6,725.00%	0	0	0.0%	4,124	2,901	42.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	204	1,296	-84.26%	0	0	0.0%	11,351	7,326	54.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,761	776	126.93%	0	0	0.0%	3,845	2,776	38.5%
JPY/USD MONDAY OPTION WE	0	0	0.0%	348	853	-59.20%	0	0	0.0%	6,177	7,994	-22.7%
JPY/USD MONDAY OPTION WE	0	0	0.0%	0	196	-100.00%	0	0	0.0%	2,177	247	781.4%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	89,948	87,598	2.68%	0	0	0.0%	750,178	1,055,428	-28.9%
JPY/USD THURSDAY WKLY OP	0	-	-	19	-		0	-	-	1,663	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	25	-		0	-	-	741	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	18	-		0	-	-	253	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	70	-		0	-	-	219	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	24	-		0	-	-	277	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	61	-		0	-	-	171	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	5	-		0	-	-	3,372	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	86	-		0	-	-	2,213	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	82	-		0	-	-	1,595	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	103	-		0	-	-	140	-	-
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	6,793	7,380	-7.95%	0	0	0.0%	10,027	31,336	-68.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	4,234	8,414	-49.68%	0	0	0.0%	50,390	65,427	-23.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	8,642	8,487	1.83%	0	0	0.0%	56,991	89,204	-36.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	10,825	8,591	26.00%	0	0	0.0%	57,698	83,367	-30.8%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	881	123	616.26%	0	0	0.0%	10,233	28,022	-63.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,535	2,044	-24.90%	0	0	0.0%	22,073	25,617	-13.8%

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	2,325	3,040	-23.52%	0	0	0.0%	21,045	23,953	-12.1%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,854	4,414	-58.00%	0	0	0.0%	25,218	23,068	9.3%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	1,753	2,528	-30.66%	0	0	0.0%	17,215	31,257	-44.9%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,401	3,775	-9.91%	0	0	0.0%	6,503	11,330	-42.6%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	450	767	-41.33%	0	0	0.0%	3,755	5,192	-27.7%
MXN/USD WKLY FRIDAY OPTI	0	-	-	5	-	-	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	0	0.0%
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%	463	163	184.05%	0	0	0.0%	684	669	2.2%
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	-	-	51	-	-
USD/CNH WEEKLY FRIDAY OP	0	-	-	0	-	-	0	-	-	34	-	-
ZAR/USD MONTHLY OPTIONS	0	-	-	0	-	-	0	-	-	0	-	-
Ag Products Futures												
BLOCK CHEESE	0	0	0.0%	291	167	74.25%	0	0	0.0%	3,212	2,075	54.8%
BUTTER CS	0	0	0.0%	4,145	3,681	12.61%	0	0	0.0%	28,474	34,071	-16.4%
CASH-SETTLED CHEESE	0	0	0.0%	10,450	8,843	18.17%	0	0	0.0%	105,292	76,334	37.9%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	1,199,374	1,034,075	15.99%	0	0	0.0%	10,877,722	9,643,185	12.8%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	2,925,736	2,344,180	24.81%	0	0	0.0%	21,265,543	18,215,787	16.7%
CLASS IV MILK	0	0	0.0%	727	2,383	-69.49%	0	0	0.0%	8,209	19,832	-58.6%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	7,099,536	6,774,090	4.80%	0	0	0.0%	58,264,894	54,476,202	7.0%
DJ_UBS ROLL SELECT INDEX	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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Ag Products Futures												
DOW-UBS COMMOD INDEX	0	0	0.0%	6,146	14,974	-58.96%	0	0	0.0%	177,959	351,376	-49.4%
DOW-UBS COMMOD INDEX SW	0	-	-	0	-		0	0	0.0%	0	0	0.0%
DRY WHEY	0	0	0.0%	776	715	8.53%	0	0	0.0%	8,616	7,712	11.7%
FEEDER CATTLE	0	0	0.0%	404,743	318,597	27.04%	0	0	0.0%	2,819,968	2,178,403	29.5%
FERTILIZER PRODUCTS	0	0	0.0%	0	2	-100.00%	0	0	0.0%	4	7	-42.9%
GOLDMAN SACHS	0	0	0.0%	1,834	3,060	-40.07%	0	0	0.0%	13,984	23,876	-41.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0.00%	0	0	0.0%	23	52	-55.8%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	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%	977,598	875,397	11.67%	0	0	0.0%	8,779,031	7,690,300	14.2%
HOUSING INDEX	0	0	0.0%	22	16	37.50%	0	0	0.0%	128	134	-4.5%
KC WHEAT	0	0	0.0%	1,162,271	987,761	17.67%	0	0	0.0%	8,488,768	7,459,580	13.8%
LUMBER	0	0	0.0%	19,179	11,954	60.44%	0	0	0.0%	116,217	66,484	74.8%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	30,912	27,852	10.99%	0	0	0.0%	252,434	232,220	8.7%
MINI CORN	0	0	0.0%	37,844	48,562	-22.07%	0	0	0.0%	285,674	472,737	-39.6%
MINI SOYBEAN	0	0	0.0%	44,956	62,670	-28.27%	0	0	0.0%	346,814	492,832	-29.6%
MINI WHEAT	0	0	0.0%	44,093	25,697	71.59%	0	0	0.0%	254,403	217,397	17.0%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	5,544	5,020	10.44%	0	0	0.0%	39,716	47,465	-16.3%
OATS	0	0	0.0%	14,682	7,133	105.83%	0	0	0.0%	107,867	67,924	58.8%
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%	1,718	1,343	27.92%	0	0	0.0%	12,465	18,559	-32.8%
ROUGH RICE	0	0	0.0%	29,226	26,763	9.20%	0	0	0.0%	148,755	149,137	-0.3%
SOYBEAN	0	0	0.0%	4,189,735	3,501,850	19.64%	0	0	0.0%	38,703,666	32,208,221	20.2%
SOYBEAN MEAL	0	0	0.0%	3,080,395	2,391,470	28.81%	0	0	0.0%	22,740,429	17,340,738	31.1%
SOYBEAN OIL	0	0	0.0%	2,816,036	2,600,488	8.29%	0	0	0.0%	24,330,494	18,375,186	32.4%
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 AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	938	32	2,831.25%	0	0	0.0%	2,928	2,489	17.6%
BUTTER CS	0	0	0.0%	1,049	1,719	-38.98%	0	0	0.0%	14,733	10,903	35.1%
CASH-SETTLED CHEESE	0	0	0.0%	6,387	8,189	-22.01%	0	0	0.0%	52,681	52,852	-0.3%
CATTLE	0	0	0.0%	312,384	230,289	35.65%	0	0	0.0%	2,392,241	1,703,430	40.4%
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%	697,394	497,709	40.12%	0	0	0.0%	5,290,650	4,803,372	10.1%
CLASS IV MILK	0	0	0.0%	4,258	10,697	-60.19%	0	0	0.0%	50,239	55,374	-9.3%
CORN	0	0	0.0%	2,580,893	2,528,150	2.09%	0	0	0.0%	22,714,523	22,676,989	0.2%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	9,060	25,168	-64.00%	0	0	0.0%	250,085	194,996	28.3%
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	5,664	0	0.0%
DEC-JUL SOYBEAN MEAL CSO	0	-	-	200	-		0	-	-	200	-	-
DEC-JULY CORN CAL SPRD	0	0	0.0%	3,100	5,859	-47.09%	0	0	0.0%	16,042	13,691	17.2%
DEC-JULY WHEAT CAL SPRD	0	-	-	0	-		0	-	-	350	-	-
DRY WHEY	0	0	0.0%	1,194	184	548.91%	0	0	0.0%	1,267	2,729	-53.6%
FEEDER CATTLE	0	0	0.0%	66,560	42,199	57.73%	0	0	0.0%	461,137	285,404	61.6%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	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%	380,950	244,160	56.02%	0	0	0.0%	2,495,300	1,824,746	36.7%
Intercommodity Spread	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	-	-	0	-		0	-	-	0	-	-
JULY-DEC CORN CAL SPRD	0	0	0.0%	10,829	7,925	36.64%	0	0	0.0%	100,848	70,620	42.8%
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	0	0.00%	0	0	0.0%	2,560	0	0.0%
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%	3,210	0	0.00%	0	0	0.0%	72,653	41,528	74.9%
KC WHEAT	0	0	0.0%	70,925	53,896	31.60%	0	0	0.0%	608,847	601,579	1.2%
LUMBER	0	0	0.0%	575	373	54.16%	0	0	0.0%	2,313	3,527	-34.4%
LV CATL CSO	0	-	-	0	-		0	-	-	60	-	-

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CME Group Exchange Volume Comparison Report - Monthly

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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%	3,060	13,475	-77.29%	0	0	0.0%	15,741	23,050	-31.7%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	500	-100.00%	0	0	0.0%	30	500	-94.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	150	-100.0%
MILK	0	0	0.0%	19,581	32,184	-39.16%	0	0	0.0%	172,607	177,119	-2.5%
MLK MID OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	19	45	-57.8%
NFD MILK	0	0	0.0%	6,735	3,561	89.13%	0	0	0.0%	31,620	28,590	10.6%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	4,535	-100.00%	0	0	0.0%	200	5,135	-96.1%
NOV-MAR SOYBEAN CSO	0	0	0.0%	1,825	0	0.00%	0	0	0.0%	1,840	0	0.0%
OATS	0	0	0.0%	156	181	-13.81%	0	0	0.0%	1,334	1,776	-24.9%
PORK CUTOUT	0	0	0.0%	100	0	0.00%	0	0	0.0%	111	35	217.1%
ROUGH RICE	0	0	0.0%	2,318	2,444	-5.16%	0	0	0.0%	20,124	13,098	53.6%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	2,050	830	146.99%	0	0	0.0%	2,350	830	183.1%
SOYBEAN	0	0	0.0%	1,467,605	1,352,707	8.49%	0	0	0.0%	12,220,928	13,033,317	-6.2%
SOYBEAN CRUSH	0	0	0.0%	0	10	-100.00%	0	0	0.0%	5	161	-96.9%
SOYBEAN MEAL	0	0	0.0%	302,179	252,836	19.52%	0	0	0.0%	2,805,334	1,899,954	47.7%
SOYBEAN OIL	0	0	0.0%	364,537	215,269	69.34%	0	0	0.0%	3,020,118	1,942,239	55.5%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	4,365	8,210	-46.83%	0	0	0.0%	60,356	27,783	117.2%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	1,140	150	660.00%	0	0	0.0%	3,370	1,250	169.6%
SOY OIL NEARBY+2 CAL SPRD	0	-	-	0	-		0	-	-	175	-	-
WHEAT	0	0	0.0%	953	36	2,547.22%	0	0	0.0%	15,106	857	1,662.7%
WHEAT-CORN ICSCO	0	0	0.0%	0	630	-100.00%	0	0	0.0%	225	2,350	-90.4%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	350	813	-56.95%	0	0	0.0%	4,552	31,287	-85.5%
TOTAL FUTURES GROUP												
Interest Rate Futures	402,066	466,096	-13.7%	238,506,388	196,158,351	21.6%	5,803,673	6,408,170	-9.4%	1,530,360,404	1,436,334,222	6.5%
Equity Index Futures	0	0	0.0%	113,511,925	121,608,731	-6.7%	0	0	0.0%	869,511,156	1,052,538,438	-17.4%
Metals Futures	0	0	0.0%	9,867,829	8,644,429	14.2%	0	0	0.0%	86,796,988	75,774,419	14.5%
Energy Futures	0	0	0.0%	38,996,946	34,895,081	11.8%	0	0	0.0%	283,448,201	297,486,823	-4.7%
FX Futures	0	0	0.0%	16,871,003	19,065,981	-11.5%	0	0	0.0%	143,204,827	145,274,283	-1.4%
Ag Products Futures	0	0	0.0%	24,107,969	21,078,743	14.4%	0	0	0.0%	198,180,941	169,873,838	16.7%
TOTAL FUTURES	402,066	466,096	-13.7%	441,862,060	401,451,316	10.1%	5,803,673	6,408,170	-9.4%	3,111,502,517	3,177,282,023	-2.1%

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry AUG 2023	Open Outcry AUG 2022	% CHG	ELEC AUG 2023	ELEC AUG 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%	32,270,369	21,953,790	47.0%	0	0	0.0%	204,224,209	179,794,894	13.6%
Interest Rate Options	14,699,015	12,771,959	15.1%	34,039,215	26,496,684	28.5%	194,744,017	127,190,820	53.1%	271,480,044	224,053,895	21.2%
Metals Options	0	0	0.0%	1,207,677	859,400	40.5%	0	0	0.0%	11,390,325	8,903,323	27.9%
Energy Options	0	0	0.0%	4,509,829	2,880,380	56.6%	0	0	0.0%	28,755,247	25,302,065	13.6%
FX Options	0	0	0.0%	735,705	668,304	10.1%	0	0	0.0%	5,620,693	6,090,970	-7.7%
Ag Products Options	0	0	0.0%	6,326,860	5,544,920	14.1%	0	0	0.0%	52,917,106	49,538,014	6.8%
TOTAL OPTIONS	14,699,015	12,771,959	15.1%	79,089,655	58,403,478	35.4%	194,744,017	127,190,820	53.1%	574,387,624	493,683,161	16.3%
TOTAL COMBINED												
Interest Rate	15,101,081	13,238,055	14.1%	272,545,603	222,655,035	22.4%	200,547,690	133,598,990	50.1%	1,801,840,448	1,660,388,117	8.5%
Equity Index	0	0	0.0%	145,782,294	143,562,521	1.5%	0	0	0.0%	1,073,735,365	1,232,333,332	-12.9%
Metals	0	0	0.0%	11,075,506	9,503,829	16.5%	0	0	0.0%	98,187,313	84,677,742	16.0%
Energy	0	0	0.0%	43,506,775	37,775,461	15.2%	0	0	0.0%	312,203,448	322,788,888	-3.3%
FX	0	0	0.0%	17,606,708	19,734,285	-10.8%	0	0	0.0%	148,825,520	151,365,253	-1.7%
Ag Products	0	0	0.0%	30,434,829	26,623,663	14.3%	0	0	0.0%	251,098,047	219,411,852	14.4%
GRAND TOTAL	15,101,081	13,238,055	14.1%	520,951,715	459,854,794	13.3%	200,547,690	133,598,990	50.1%	3,685,890,141	3,670,965,184	0.4%

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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