



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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	3,055	-100.00%	0	0	0.0%	4,082	33,105	-87.7%
10-YR Eris SOFR	0	0	0.0%	2,058	67	2,971.64%	0	0	0.0%	10,159	565	1,698.1%
10-YR MAC LIBOR	0	0	0.0%	0	5,498	-100.00%	0	0	0.0%	27,311	124,305	-78.0%
10-YR MAC SOFR	0	-	-	0	-	-	0	-	-	18	-	-
10-YR NOTE	0	0	0.0%	28,997,487	28,949,983	0.16%	0	0	0.0%	265,061,995	268,946,514	-1.4%
10Y YIELD	0	0	0.0%	80,437	97,723	-17.69%	0	0	0.0%	564,385	692,510	-18.5%
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	7	-100.00%	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	1,300	-100.0%
1-YR Eris SOFR	0	0	0.0%	1	7,711	-99.99%	0	0	0.0%	26,624	188,328	-85.9%
20-YR BOND	0	0	0.0%	73	3,470	-97.90%	0	0	0.0%	3,371	24,065	-86.0%
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	2,033	-100.00%	0	0	0.0%	4,517	76,591	-94.1%
2-YR Eris SOFR	0	0	0.0%	743	4,387	-83.06%	0	0	0.0%	21,842	85,689	-74.5%
2-YR NOTE	0	0	0.0%	9,780,635	9,240,642	5.84%	0	0	0.0%	99,449,033	91,773,587	8.4%
2Y YIELD	0	0	0.0%	4,552	6,345	-28.26%	0	0	0.0%	47,949	54,796	-12.5%
30-Year UMBS TBA Futures - 2.5	0	-	-	60	-	-	0	-	-	861	-	-
30-Year UMBS TBA Futures - 3.0	0	-	-	728	-	-	0	-	-	1,793	-	-
30-Year UMBS TBA Futures - 3.5	0	-	-	696	-	-	0	-	-	2,465	-	-
30-Year UMBS TBA Futures - 4.0	0	-	-	879	-	-	0	-	-	2,631	-	-
30-Year UMBS TBA Futures - 4.5	0	-	-	1,243	-	-	0	-	-	7,364	-	-
30-Year UMBS TBA Futures - 5.0	0	-	-	2,490	-	-	0	-	-	8,923	-	-
30-Year UMBS TBA Futures - 5.5	0	-	-	4,034	-	-	0	-	-	6,042	-	-
30-Year UMBS TBA Futures - 6.0	0	-	-	680	-	-	0	-	-	3,162	-	-
30-YR BOND	0	0	0.0%	6,448,321	6,063,370	6.35%	0	0	0.0%	53,364,633	56,735,657	-5.9%
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%	550	7,835	-92.98%	0	0	0.0%	6,560	74,792	-91.2%
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	1,403	-100.00%	0	0	0.0%	3,771	46,896	-92.0%
3-YR Eris SOFR	0	0	0.0%	2,763	2,342	17.98%	0	0	0.0%	15,002	23,712	-36.7%
3-YR NOTE	0	0	0.0%	79,017	335,607	-76.46%	0	0	0.0%	772,871	2,450,198	-68.5%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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												
4-YR Eris LIBOR	0	0	0.0%	0	1,896	-100.00%	0	0	0.0%	1,140	27,048	-95.8%
4-YR Eris SOFR	0	0	0.0%	862	104	728.85%	0	0	0.0%	4,922	4,669	5.4%
5-YR Eris LIBOR	0	0	0.0%	0	17,087	-100.00%	0	0	0.0%	21,264	172,620	-87.7%
5-YR Eris SOFR	0	0	0.0%	6,504	1,891	243.95%	0	0	0.0%	60,258	16,426	266.8%
5-YR MAC LIBOR	0	0	0.0%	0	32,844	-100.00%	0	0	0.0%	39,600	220,217	-82.0%
5-YR MAC SOFR	0	-	-	0	-		0	-	-	92	-	-
5-YR NOTE	0	0	0.0%	21,428,903	19,159,722	11.84%	0	0	0.0%	197,864,787	185,899,851	6.4%
5Y YIELD	0	0	0.0%	5	4,575	-99.89%	0	0	0.0%	938	20,453	-95.4%
7-YR Eris LIBOR	0	0	0.0%	0	1,574	-100.00%	0	0	0.0%	2,242	18,231	-87.7%
7-YR Eris SOFR	0	0	0.0%	526	21	2,404.76%	0	0	0.0%	4,302	199	2,061.8%
BSBY 3-MONTH FUTURES	0	0	0.0%	1,512	23,037	-93.44%	0	0	0.0%	31,259	457,232	-93.2%
ESTR Basis Spread Futures	0	-	-	921	-		0	-	-	8,988	-	-
ESTR Futures	0	-	-	122,699	-		0	-	-	435,204	-	-
EURODOLLARS	0	640,248	-100.0%	0	24,752,682	-100.00%	258,492	5,694,919	-95.5%	27,895,109	286,560,837	-90.3%
FED FUND	0	0	0.0%	6,449,354	6,822,486	-5.47%	0	0	0.0%	73,331,809	50,809,020	44.3%
FTIIE	0	0	0.0%	144	69	108.70%	0	0	0.0%	1,662	657	153.0%
SOFR	401,277	102,323	292.2%	54,725,496	35,035,620	56.20%	5,143,115	247,155	1,980.9%	476,738,052	208,878,549	128.2%
SONIA	0	0	0.0%	0	57	-100.00%	0	0	0.0%	194	1,293	-85.0%
Ultra 10-Year Note	0	0	0.0%	6,932,127	5,086,634	36.28%	0	0	0.0%	60,686,701	54,412,743	11.5%
ULTRA T-BOND	0	0	0.0%	3,757,342	2,753,648	36.45%	0	0	0.0%	35,308,123	31,342,442	12.7%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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 Options												
10-YR NOTE	0	0	0.0%	12,797,634	12,574,897	1.77%	0	0	0.0%	95,759,723	93,945,074	1.9%
2-YR NOTE	0	0	0.0%	264,668	133,141	98.79%	0	0	0.0%	2,816,263	298,458	843.6%
30-YR BOND	0	0	0.0%	2,029,978	1,945,456	4.34%	0	0	0.0%	16,605,072	17,290,456	-4.0%
5-YR NOTE	0	0	0.0%	5,374,942	5,148,042	4.41%	0	0	0.0%	43,499,926	35,808,677	21.5%
EURODOLLARS	0	4,115,267	-100.0%	0	2,024,872	-100.00%	1,894,920	62,174,164	-97.0%	7,456,246	25,202,847	-70.4%
EURO MIDCURVE	0	1,793,909	-100.0%	0	985,794	-100.00%	396,228	37,148,425	-98.9%	201,525	19,041,921	-98.9%
FED FUND	0	0	0.0%	1	1	0.00%	0	0	0.0%	4	45	-91.1%
SOFR	11,409,800	4,029,357	183.2%	5,904,940	1,887,479	212.85%	147,715,459	11,592,734	1,174.2%	59,713,338	4,702,023	1,169.9%
SOFR MIDCURVE	3,333,501	868,663	283.8%	1,446,303	331,395	336.43%	30,038,395	3,503,538	757.4%	11,366,158	1,248,751	810.2%
SOFR MISCURVE	0	-	-	0	-	-	0	-	-	700	-	-
Ultra 10-Year Note	0	0	0.0%	1,900	6	31,566.67%	0	0	0.0%	5,833	747	680.9%
ULTRA T-BOND	0	0	0.0%	3,915	1,074	264.53%	0	0	0.0%	16,041	18,212	-11.9%
Equity Index Futures												
BITCOIN	0	0	0.0%	195,133	232,248	-15.98%	0	0	0.0%	1,452,115	1,387,581	4.7%
DJ US REAL ESTATE SECTOR	0	0	0.0%	28,825	29,322	-1.69%	0	0	0.0%	213,674	242,333	-11.8%
E-mini (\$5) Dow	0	0	0.0%	2,797,685	3,315,716	-15.62%	0	0	0.0%	25,002,510	30,571,619	-18.2%
E-mini FTSE China 50	0	0	0.0%	0	177	-100.00%	0	0	0.0%	44	6,841	-99.4%
E-MINI MIDCAP	0	0	0.0%	196,813	236,287	-16.71%	0	0	0.0%	1,909,409	2,358,229	-19.0%
E-MINI NASDAQ 100	0	0	0.0%	12,107,772	12,248,436	-1.15%	0	0	0.0%	95,116,258	101,410,831	-6.2%
E-MINI RUSSELL 1000	0	0	0.0%	1,246	1,556	-19.92%	0	0	0.0%	16,791	22,087	-24.0%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	1,641	1,400	17.21%	0	0	0.0%	16,661	33,981	-51.0%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	2,094	2,523	-17.00%	0	0	0.0%	32,583	57,763	-43.6%
E-MINI RUSSELL 2000	0	0	0.0%	3,450,316	3,584,594	-3.75%	0	0	0.0%	31,429,525	34,885,488	-9.9%
E-MINI S&P500	0	0	0.0%	27,462,159	33,869,951	-18.92%	0	0	0.0%	260,344,342	275,965,459	-5.7%
E-MINI S&P500 ESG	0	0	0.0%	9,715	10,235	-5.08%	0	0	0.0%	127,241	177,910	-28.5%
ETHER	0	-	-	0	-	-	0	-	-	0	-	-
ETHER FUTURES	0	0	0.0%	75,957	157,971	-51.92%	0	0	0.0%	730,136	886,787	-17.7%
FT-SE 100	0	0	0.0%	105	105	0.00%	0	0	0.0%	460	1,244	-63.0%
FTSE Emerging	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
IBOVESPA INDEX	0	0	0.0%	16	45	-64.44%	0	0	0.0%	258	445	-42.0%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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
Equity Index Futures												
MICRO BITCOIN	0	0	0.0%	181,455	258,348	-29.76%	0	0	0.0%	1,496,973	2,563,493	-41.6%
MICRO E-MINI NASDAQ 100	0	0	0.0%	19,724,668	26,864,939	-26.58%	0	0	0.0%	150,402,593	222,415,979	-32.4%
MICRO E-MINI RUSSELL 2000	0	0	0.0%	1,283,107	1,933,174	-33.63%	0	0	0.0%	11,625,164	21,551,049	-46.1%
MICRO E-MINI S&P500	0	0	0.0%	13,838,451	25,310,520	-45.33%	0	0	0.0%	151,495,253	196,104,435	-22.7%
MICRO ETHER	0	0	0.0%	132,155	513,186	-74.25%	0	0	0.0%	1,357,469	3,017,295	-55.0%
MICRO MINI \$5 DOW	0	0	0.0%	1,306,672	3,031,530	-56.90%	0	0	0.0%	16,617,212	29,191,456	-43.1%
NASDAQ-100 VOLATILITY	0	0	0.0%	0	647	-100.00%	0	0	0.0%	3,203	18,341	-82.5%
NASDAQ BIOTECH SECTOR	0	0	0.0%	335	65	415.38%	0	0	0.0%	1,148	1,269	-9.5%
Nearby BTIC+	0	0	0.0%	0	600	-100.00%	0	0	0.0%	0	4,150	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	170,154	72,299	135.35%	0	0	0.0%	929,404	852,109	9.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	608,706	598,710	1.67%	0	0	0.0%	4,412,831	5,710,344	-22.7%
PHLX SEMICONDUCTOR SECT	0	-	-	13	-		0	-	-	1,954	-	-
S&P 500	0	0	0.0%	1,604	14	11,357.14%	0	0	0.0%	20,507	1,817	1,028.6%
S&P 500 ANNUAL DIVIDEND IN	0	0	0.0%	26,520	28,071	-5.53%	0	0	0.0%	213,937	217,536	-1.7%
S&P 500 QUARLY DIVIDEND IN	0	0	0.0%	3,467	4,656	-25.54%	0	0	0.0%	67,910	9,861	588.7%
S&P 600 SMALLCAP EMINI	0	-	-	55	-		0	-	-	55	-	-
S&P BIOTECHNOLOGY SECTO	0	-	-	107	-		0	-	-	3,831	-	-
S&P COMMUNICATION SERVIC	0	0	0.0%	1,286	1,589	-19.07%	0	0	0.0%	24,835	23,275	6.7%
S&P CONSUMER DISCRETION	0	0	0.0%	2,622	5,474	-52.10%	0	0	0.0%	38,046	50,137	-24.1%
S&P CONSUMER STAPLES SE	0	0	0.0%	9,512	8,014	18.69%	0	0	0.0%	115,286	110,000	4.8%
S&P ENERGY SECTOR	0	0	0.0%	9,621	38,824	-75.22%	0	0	0.0%	162,254	321,184	-49.5%
S&P FINANCIAL SECTOR	0	0	0.0%	9,166	10,661	-14.02%	0	0	0.0%	152,104	175,592	-13.4%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,246	8,976	-30.41%	0	0	0.0%	88,415	135,123	-34.6%
S&P INDUSTRIAL SECTOR	0	0	0.0%	5,620	7,889	-28.76%	0	0	0.0%	77,406	94,767	-18.3%
S&P MATERIALS SECTOR	0	0	0.0%	4,120	5,675	-27.40%	0	0	0.0%	54,032	56,258	-4.0%
S&P OIL & GAS EXPLORATION	0	-	-	221	-		0	-	-	1,418	-	-
S&P REAL ESTATE SECTOR	0	0	0.0%	2,201	1,971	11.67%	0	0	0.0%	38,869	29,140	33.4%
S&P REGIONAL BANKS SECTO	0	-	-	336	-		0	-	-	6,180	-	-
S&P RETAIL SECTOR	0	-	-	34	-		0	-	-	1,674	-	-
S&P TECHNOLOGY SECTOR	0	0	0.0%	3,764	9,019	-58.27%	0	0	0.0%	76,916	131,329	-41.4%
S&P UTILITIES SECTOR	0	0	0.0%	12,109	10,132	19.51%	0	0	0.0%	117,789	118,965	-1.0%
S&P VALUE INDEX FUTURES	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
TOPIX (USD)	0	-	-	40	-		0	-	-	612	-	-
TOPIX (YEN)	0	0	0.0%	409	87	370.11%	0	0	0.0%	1,819	15,638	-88.4%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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
Equity Index Futures												
WATER INDEX FUTURES	0	0	0.0%	8	11	-27.27%	0	0	0.0%	125	567	-78.0%
Equity Index Options												
BITCOIN OPTIONS	0	0	0.0%	2,642	1,205	119.25%	0	0	0.0%	18,363	9,551	92.3%
DJIA	0	-	-	6,039	-		0	-	-	50,501	-	-
E-mini (\$5) Dow	0	0	0.0%	103	1,739	-94.08%	0	0	0.0%	5,049	16,246	-68.9%
E-MINI NASDAQ 100	0	0	0.0%	1,578,967	873,401	80.78%	0	0	0.0%	8,874,784	6,968,563	27.4%
E-MINI RUSSELL 2000	0	0	0.0%	104,706	93,338	12.18%	0	0	0.0%	1,018,653	1,011,540	0.7%
E-MINI S&P500	0	0	0.0%	20,280,314	17,607,387	15.18%	0	0	0.0%	159,769,121	147,670,739	8.2%
EOM S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
ETHER OPTIONS	0	-	-	1,540	-		0	-	-	6,507	-	-
EVENT CONTRACT S&P 500	0	-	-	7,328	-		0	-	-	36,131	-	-
MICRO BITCOIN	0	0	0.0%	15,727	14,300	9.98%	0	0	0.0%	68,784	39,309	75.0%
MICRO E-MINI NASDAQ 100	0	0	0.0%	51,014	35,095	45.36%	0	0	0.0%	378,177	409,624	-7.7%
Micro E-mini S&P 500	0	0	0.0%	162,990	176,738	-7.78%	0	0	0.0%	1,613,866	1,667,913	-3.2%
MICRO ETHER	0	0	0.0%	7,371	27,582	-73.28%	0	0	0.0%	113,904	47,619	139.2%
S&P 500	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	80,100	53,282	50.33%	0	0	0.0%	529,448	173,726	204.8%
COBALT METAL FUTURES	0	0	0.0%	1	2	-50.00%	0	0	0.0%	329	13	2,430.8%
COMEX COPPER	0	0	0.0%	1,745,564	1,646,696	6.00%	0	0	0.0%	14,916,998	11,947,871	24.9%
COMEX E-Mini GOLD	0	0	0.0%	25,057	27,969	-10.41%	0	0	0.0%	259,617	215,600	20.4%
COMEX E-Mini SILVER	0	0	0.0%	3,783	3,132	20.79%	0	0	0.0%	42,210	27,229	55.0%
COMEX GOLD	0	0	0.0%	5,077,197	5,247,565	-3.25%	0	0	0.0%	34,487,275	32,786,930	5.2%
COMEX MINY COPPER	0	0	0.0%	3,966	3,019	31.37%	0	0	0.0%	40,834	25,306	61.4%
COMEX SILVER	0	0	0.0%	1,165,382	1,184,290	-1.60%	0	0	0.0%	10,303,233	9,655,036	6.7%
COPPER	0	0	0.0%	90,453	76,805	17.77%	0	0	0.0%	759,696	207,136	266.8%
FERROUS PRODUCTS	0	0	0.0%	102	79	29.11%	0	0	0.0%	2,340	3,080	-24.0%
GOLD	0	0	0.0%	51	1,159	-95.60%	0	0	0.0%	3,891	52,566	-92.6%
HOT ROLLED COIL STEEL FUT	0	0	0.0%	940	403	133.25%	0	0	0.0%	10,933	4,286	155.1%
IRON ORE CHINA	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
METALS	0	0	0.0%	0	0	0.00%	0	0	0.0%	139	51	172.5%
MICRO GOLD	0	0	0.0%	1,263,220	881,738	43.26%	0	0	0.0%	10,423,601	7,768,603	34.2%
NYMEX HOT ROLLED STEEL	0	0	0.0%	8,416	3,854	118.37%	0	0	0.0%	64,587	33,140	94.9%
NYMEX PLATINUM	0	0	0.0%	352,944	303,383	16.34%	0	0	0.0%	3,123,811	2,786,045	12.1%
PALLADIUM	0	0	0.0%	46,253	31,966	44.69%	0	0	0.0%	411,015	309,158	32.9%
SILVER	0	0	0.0%	208,685	122,752	70.01%	0	0	0.0%	1,549,202	1,134,190	36.6%
URANIUM	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	24	-100.0%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	1,020	0	0.00%	0	0	0.0%	5,549	0	0.0%
COMEX COPPER	0	0	0.0%	98,438	56,020	75.72%	0	0	0.0%	688,433	404,507	70.2%
COMEX GOLD	0	0	0.0%	667,450	709,604	-5.94%	0	0	0.0%	6,220,124	5,345,702	16.4%
COMEX SILVER	0	0	0.0%	131,256	82,024	60.02%	0	0	0.0%	1,037,578	696,538	49.0%
COPPER	0	0	0.0%	5,736	3,722	54.11%	0	0	0.0%	59,319	8,192	624.1%
GOLD	0	0	0.0%	214,843	209,195	2.70%	0	0	0.0%	1,877,463	1,461,291	28.5%
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%	8	0	0.00%	0	0	0.0%	18	0	0.0%
NYMEX PLATINUM	0	0	0.0%	5,044	242	1,984.30%	0	0	0.0%	29,414	3,802	673.6%
PALLADIUM	0	0	0.0%	182	7	2,500.00%	0	0	0.0%	3,666	111	3,202.7%
SILVER	0	0	0.0%	36,359	15,489	134.74%	0	0	0.0%	261,084	123,780	110.9%
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%	1,030,874	1,303,384	-20.91%	0	0	0.0%	7,928,028	10,475,191	-24.3%
CAR VINTAGE	0	0	0.0%	6,884	15,332	-55.10%	0	0	0.0%	68,514	37,338	83.5%
CEU ENERGY	0	-	-	0	-		0	-	-	0	-	-
CHICAGO ETHANOL SWAP	0	0	0.0%	63	139	-54.68%	0	0	0.0%	878	1,052	-16.5%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
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	14	-100.00%	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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	342	0	0.00%	0	0	0.0%	1,515	0	0.0%
CRUDE OIL PHY	0	0	0.0%	17,721,730	18,395,482	-3.66%	0	0	0.0%	128,014,890	143,141,550	-10.6%
CRUDE OIL SPRDS	0	0	0.0%	413	0	0.00%	0	0	0.0%	1,240	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%	23,199	21	110,371.43%	0	0	0.0%	62,843	10,828	480.4%
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	0	0.0%
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%	3,219	3,695	-12.88%	0	0	0.0%	16,012	9,527	68.1%
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	280	-100.00%	0	0	0.0%	261	2,367	-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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	3,013,112	2,818,153	6.92%	0	0	0.0%	21,007,054	22,880,984	-8.2%
HENRY HUB SWAP	0	0	0.0%	0	2	-100.00%	0	0	0.0%	176	1,242	-85.8%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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												
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%	180,625	185,557	-2.66%	0	0	0.0%	1,694,179	1,741,955	-2.7%
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%	273	692	-60.55%	0	0	0.0%	2,198	5,617	-60.9%
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%	5	11	-54.55%	0	0	0.0%	72	57	26.3%
MINY NATURAL GAS	0	0	0.0%	148,199	314,192	-52.83%	0	0	0.0%	1,698,037	2,242,863	-24.3%
MINY RBOB GAS	0	0	0.0%	6	7	-14.29%	0	0	0.0%	68	60	13.3%
MINY WTI CRUDE OIL	0	0	0.0%	268,736	654,834	-58.96%	0	0	0.0%	2,281,927	4,402,719	-48.2%
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	30	-100.00%	0	0	0.0%	0	265	-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%	2	29	-93.10%	0	0	0.0%	160	167	-4.2%
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	43	-55.8%
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%	49,814	31,543	57.92%	0	0	0.0%	428,772	332,554	28.9%
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%	6,340,312	5,707,518	11.09%	0	0	0.0%	56,965,755	52,198,481	9.1%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	5	0	0.00%	0	0	0.0%	171	31	451.6%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	3,571,299	2,850,417	25.29%	0	0	0.0%	24,278,470	25,106,777	-3.3%
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	-	-
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	2,427	4,823	-49.68%	0	0	0.0%	30,784	17,155	79.4%
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%	625	1,160	-46.12%	0	0	0.0%	3,625	30,711	-88.2%
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	-	-	4,025	-		0	-	-	44,061	-	-
CRUDE OIL PHY	0	0	0.0%	1,891,503	1,685,108	12.25%	0	0	0.0%	14,095,103	14,946,677	-5.7%
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%	660	1,468	-55.04%	0	0	0.0%	6,657	17,496	-62.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	854	20	4,170.00%	0	0	0.0%	17,169	106	16,097.2%
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%	1,985	17	11,576.47%	0	0	0.0%	2,038	3,581	-43.1%
NATURAL GAS 1 M CSO FIN	0	0	0.0%	1,200	300	300.00%	0	0	0.0%	25,057	5,200	381.9%
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%	2,500	400	525.00%	0	0	0.0%	76,940	800	9,517.5%
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%	1,510,957	885,033	70.72%	0	0	0.0%	9,933,576	7,383,241	34.5%
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%	98	211	-53.55%	0	0	0.0%	718	950	-24.4%
PETROCHEMICALS	0	0	0.0%	6	0	0.00%	0	0	0.0%	21	11	90.9%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	540	938	-42.43%	0	0	0.0%	4,019	7,516	-46.5%
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%	0	3,615	-100.00%	0	0	0.0%	4,050	7,970	-49.2%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0.00%	0	0	0.0%	1,600	271	490.4%
FX Futures												
AD/CD CROSS RATES	0	0	0.0%	0	21	-100.00%	0	0	0.0%	167	335	-50.1%
AD/JY CROSS RATES	0	0	0.0%	862	2,944	-70.72%	0	0	0.0%	10,737	35,336	-69.6%
AD/NE CROSS RATES	0	0	0.0%	5,016	1,843	172.16%	0	0	0.0%	22,679	12,520	81.1%
AUSTRALIAN DOLLAR	0	0	0.0%	1,799,093	1,974,111	-8.87%	0	0	0.0%	13,651,932	14,246,888	-4.2%
BP/JY CROSS RATES	0	0	0.0%	1,814	2,344	-22.61%	0	0	0.0%	15,965	25,369	-37.1%
BP/SF CROSS RATES	0	0	0.0%	2,026	644	214.60%	0	0	0.0%	16,415	12,481	31.5%
BRAZIL REAL	0	0	0.0%	262,710	239,413	9.73%	0	0	0.0%	1,740,428	2,001,449	-13.0%
BRITISH POUND	0	0	0.0%	2,022,741	2,270,450	-10.91%	0	0	0.0%	15,013,694	16,115,825	-6.8%
CANADIAN DOLLAR	0	0	0.0%	1,284,584	1,881,790	-31.74%	0	0	0.0%	11,732,902	12,529,657	-6.4%
CD/JY CROSS RATES	0	0	0.0%	92	4	2,200.00%	0	0	0.0%	338	269	25.7%
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%	30,667	19,787	54.99%	0	0	0.0%	186,277	179,050	4.0%
CZECK KORUNA (EC)	0	0	0.0%	0	1	-100.00%	0	0	0.0%	5	19	-73.7%
CZECK KORUNA (US)	0	0	0.0%	5	0	0.00%	0	0	0.0%	28	18	55.6%
EC/AD CROSS RATES	0	0	0.0%	1,453	3,075	-52.75%	0	0	0.0%	29,439	35,607	-17.3%
EC/CD CROSS RATES	0	0	0.0%	3,247	7,080	-54.14%	0	0	0.0%	39,289	58,446	-32.8%
EC/NOK CROSS RATES	0	0	0.0%	1,659	893	85.78%	0	0	0.0%	8,592	8,462	1.5%
EC/SEK CROSS RATES	0	0	0.0%	1,069	3,799	-71.86%	0	0	0.0%	14,740	14,844	-0.7%
EFX/BP CROSS RATES	0	0	0.0%	46,841	68,235	-31.35%	0	0	0.0%	415,985	630,417	-34.0%
EFX/JY CROSS RATES	0	0	0.0%	43,827	37,738	16.13%	0	0	0.0%	310,130	392,516	-21.0%
EFX/SF CROSS RATES	0	0	0.0%	12,357	21,903	-43.58%	0	0	0.0%	145,157	291,567	-50.2%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	28	93	-69.89%	0	0	0.0%	932	1,685	-44.7%
E-MICRO USD/CHF	0	0	0.0%	70	42	66.67%	0	0	0.0%	1,148	611	87.9%
E-MICRO USD/JPY	0	0	0.0%	7,062	43,924	-83.92%	0	0	0.0%	21,386	145,933	-85.3%
E-MINI EURO FX	0	0	0.0%	97,581	170,072	-42.62%	0	0	0.0%	878,841	975,945	-9.9%
E-MINI JAPANESE YEN	0	0	0.0%	15,212	10,410	46.13%	0	0	0.0%	86,191	65,527	31.5%
EURO FX	0	0	0.0%	3,952,102	4,778,238	-17.29%	0	0	0.0%	32,680,001	32,541,298	0.4%
HUNGARIAN FORINT (EC)	0	0	0.0%	1	0	0.00%	0	0	0.0%	21	2	950.0%
HUNGARIAN FORINT (US)	0	0	0.0%	6	1	500.00%	0	0	0.0%	82	36	127.8%
INDIAN RUPEE	0	0	0.0%	20,817	32,225	-35.40%	0	0	0.0%	195,613	152,361	28.4%
JAPANESE YEN	0	0	0.0%	4,109,294	3,067,665	33.96%	0	0	0.0%	25,250,879	20,449,985	23.5%
KOREAN WON	0	0	0.0%	534	198	169.70%	0	0	0.0%	1,932	2,423	-20.3%
MEXICAN PESO	0	0	0.0%	920,487	1,042,225	-11.68%	0	0	0.0%	8,451,131	7,867,106	7.4%
MICRO AUD/USD	0	0	0.0%	276,487	214,442	28.93%	0	0	0.0%	1,889,216	1,836,182	2.9%
MICRO CAD/USD	0	0	0.0%	45,095	56,198	-19.76%	0	0	0.0%	380,698	408,439	-6.8%
MICRO CHF/USD	0	0	0.0%	16,101	25,519	-36.91%	0	0	0.0%	107,915	114,304	-5.6%
MICRO EUR/USD	0	0	0.0%	578,208	922,829	-37.34%	0	0	0.0%	4,428,716	5,141,312	-13.9%
MICRO GBP/USD	0	0	0.0%	63,479	111,230	-42.93%	0	0	0.0%	479,739	675,131	-28.9%
MICRO INR/USD	0	0	0.0%	296	513	-42.30%	0	0	0.0%	3,270	5,397	-39.4%
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%	626,872	568,138	10.34%	0	0	0.0%	4,394,378	4,138,506	6.2%
NKR/USD CROSS RATE	0	0	0.0%	2,642	1,473	79.36%	0	0	0.0%	22,366	20,755	7.8%
POLISH ZLOTY (EC)	0	0	0.0%	31	13	138.46%	0	0	0.0%	347	990	-64.9%
POLISH ZLOTY (US)	0	0	0.0%	577	1,122	-48.57%	0	0	0.0%	6,829	9,542	-28.4%
RMB USD	0	0	0.0%	0	5	-100.00%	0	0	0.0%	5	15	-66.7%
RUSSIAN RUBLE	0	0	0.0%	0	108	-100.00%	0	0	0.0%	0	576,666	-100.0%
S.AFRICAN RAND	0	0	0.0%	98,170	92,034	6.67%	0	0	0.0%	531,427	656,432	-19.0%
SF/JY CROSS RATES	0	0	0.0%	399	732	-45.49%	0	0	0.0%	3,959	4,115	-3.8%
SHEKEL	0	0	0.0%	113	18	527.78%	0	0	0.0%	552	98	463.3%
SKR/USD CROSS RATES	0	0	0.0%	3,170	3,809	-16.78%	0	0	0.0%	31,883	43,162	-26.1%
SWISS FRANC	0	0	0.0%	422,213	547,475	-22.88%	0	0	0.0%	3,129,298	3,681,493	-15.0%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	14	29	-51.72%	0	0	0.0%	1,292	1,698	-23.9%
AUD/USD MONDAY OPTION W	0	0	0.0%	225	38	492.11%	0	0	0.0%	2,761	3,091	-10.7%
AUD/USD MONDAY OPTION W	0	0	0.0%	306	8	3,725.00%	0	0	0.0%	1,718	1,994	-13.8%
AUD/USD MONDAY OPTION W	0	0	0.0%	314	488	-35.66%	0	0	0.0%	1,814	2,789	-35.0%
AUD/USD MONDAY OPTION W	0	0	0.0%	175	0	0.00%	0	0	0.0%	490	779	-37.1%
AUD/USD MONTHLY OPTIONS	0	0	0.0%	72,239	64,682	11.68%	0	0	0.0%	399,796	488,576	-18.2%
AUD/USD THURSDAY WKLY O	0	-	-	851	-	-	0	-	-	1,011	-	-
AUD/USD THURSDAY WKLY O	0	-	-	355	-	-	0	-	-	638	-	-
AUD/USD THURSDAY WKLY O	0	-	-	19	-	-	0	-	-	1,171	-	-
AUD/USD THURSDAY WKLY O	0	-	-	51	-	-	0	-	-	448	-	-
AUD/USD THURSDAY WKLY O	0	-	-	0	-	-	0	-	-	488	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	23	-	-	0	-	-	235	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	635	-	-	0	-	-	1,732	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	468	-	-	0	-	-	1,038	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	227	-	-	0	-	-	531	-	-
AUD/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	205	-	-
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1	33	-96.97%	0	0	0.0%	1,394	2,979	-53.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,363	378	260.58%	0	0	0.0%	9,372	11,214	-16.4%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,373	2,350	-41.57%	0	0	0.0%	10,641	15,638	-32.0%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	1,701	1,153	47.53%	0	0	0.0%	11,675	10,316	13.2%
AUD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	1,952	-100.00%	0	0	0.0%	2,092	3,917	-46.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	338	35	865.71%	0	0	0.0%	3,392	5,416	-37.4%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	398	284	40.14%	0	0	0.0%	1,645	3,512	-53.2%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	815	158	415.82%	0	0	0.0%	2,287	4,932	-53.6%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	482	474	1.69%	0	0	0.0%	1,945	4,147	-53.1%
AUD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	522	259	101.5%
BRL/USD MONTHLY OPTIONS	0	0	0.0%	0	286	-100.00%	0	0	0.0%	205	2,372	-91.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	141	194	-27.32%	0	0	0.0%	6,102	1,288	373.8%
CAD/USD MONDAY OPTIONS	0	0	0.0%	234	715	-67.27%	0	0	0.0%	8,585	8,490	1.1%
CAD/USD MONDAY OPTIONS	0	0	0.0%	442	1,198	-63.11%	0	0	0.0%	5,372	6,017	-10.7%
CAD/USD MONDAY OPTIONS	0	0	0.0%	55	318	-82.70%	0	0	0.0%	4,701	5,303	-11.4%
CAD/USD MONDAY OPTIONS	0	0	0.0%	91	0	0.00%	0	0	0.0%	338	1,256	-73.1%
CAD/USD MONTHLY OPTIONS	0	0	0.0%	26,415	55,018	-51.99%	0	0	0.0%	387,291	430,525	-10.0%
CAD/USD THURSDAY WKLY O	0	-	-	307	-	-	0	-	-	2,264	-	-

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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	-	-	112	-		0	-	-	2,257	-	-
CAD/USD THURSDAY WKLY O	0	-	-	164	-		0	-	-	2,404	-	-
CAD/USD THURSDAY WKLY O	0	-	-	7	-		0	-	-	3,529	-	-
CAD/USD THURSDAY WKLY O	0	-	-	0	-		0	-	-	1,972	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	183	-		0	-	-	2,811	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	492	-		0	-	-	4,960	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	40	-		0	-	-	2,757	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	460	-		0	-	-	1,304	-	-
CAD/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	808	-	-
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	65	14	364.29%	0	0	0.0%	5,572	7,674	-27.4%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,920	1,703	71.46%	0	0	0.0%	15,310	24,219	-36.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	867	7,347	-88.20%	0	0	0.0%	15,237	39,900	-61.8%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,228	2,207	0.95%	0	0	0.0%	20,719	31,922	-35.1%
CAD/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	5,541	-100.00%	0	0	0.0%	7,528	9,867	-23.7%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	334	370	-9.73%	0	0	0.0%	9,404	6,230	50.9%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	620	1,990	-68.84%	0	0	0.0%	8,157	8,587	-5.0%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	140	887	-84.22%	0	0	0.0%	6,012	10,147	-40.8%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	1,244	1,191	4.45%	0	0	0.0%	8,794	13,162	-33.2%
CAD/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,131	4,112	-48.2%
CHF/USD MONTHLY OPTIONS	0	0	0.0%	5,011	4,228	18.52%	0	0	0.0%	24,535	33,709	-27.2%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	2	-100.00%	0	0	0.0%	135	575	-76.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,201	1	120,000.00%	0	0	0.0%	5,443	835	551.9%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	1,066	393	171.25%	0	0	0.0%	4,789	859	457.5%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	5,323	47	11,225.53%	0	0	0.0%	12,307	997	1,134.4%
CHF/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	68	-100.00%	0	0	0.0%	3,057	82	3,628.0%
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%	158	1,184	-86.66%	0	0	0.0%	13,375	11,438	16.9%
EUR/USD MONDAY OPTION W	0	0	0.0%	775	855	-9.36%	0	0	0.0%	12,018	18,364	-34.6%
EUR/USD MONDAY OPTION W	0	0	0.0%	2,149	1,634	31.52%	0	0	0.0%	9,395	7,412	26.8%
EUR/USD MONDAY OPTION W	0	0	0.0%	170	1,417	-88.00%	0	0	0.0%	12,694	19,426	-34.7%
EUR/USD MONDAY OPTION W	0	0	0.0%	1,106	0	0.00%	0	0	0.0%	2,061	2,856	-27.8%
EUR/USD MONTHLY OPTIONS	0	0	0.0%	235,739	262,664	-10.25%	0	0	0.0%	1,589,215	1,605,650	-1.0%
EUR/USD THURSDAY WKLY O	0	-	-	861	-		0	-	-	6,215	-	-

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.

CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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	-	-	285	-	-	0	-	-	4,484	-	-
EUR/USD THURSDAY WKLY O	0	-	-	40	-	-	0	-	-	4,528	-	-
EUR/USD THURSDAY WKLY O	0	-	-	481	-	-	0	-	-	6,799	-	-
EUR/USD THURSDAY WKLY O	0	-	-	0	-	-	0	-	-	99	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	1,015	-	-	0	-	-	1,709	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	458	-	-	0	-	-	5,352	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	677	-	-	0	-	-	5,585	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	421	-	-	0	-	-	3,758	-	-
EUR/USD TUESDAY WKLY OPT	0	-	-	0	-	-	0	-	-	1,419	-	-
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	51	321	-84.11%	0	0	0.0%	13,583	36,007	-62.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	22,596	4,298	425.73%	0	0	0.0%	122,060	104,483	16.8%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	44,030	13,093	236.29%	0	0	0.0%	162,995	110,682	47.3%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	12,809	15,353	-16.57%	0	0	0.0%	188,364	132,173	42.5%
EUR/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	22,562	-100.00%	0	0	0.0%	19,227	43,204	-55.5%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	4,976	6,755	-26.34%	0	0	0.0%	31,598	41,248	-23.4%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	3,633	7,579	-52.06%	0	0	0.0%	39,367	36,262	8.6%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	2,651	4,632	-42.77%	0	0	0.0%	32,263	37,845	-14.7%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	2,805	7,215	-61.12%	0	0	0.0%	30,436	41,158	-26.1%
EUR/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	10,434	13,048	-20.0%
EVENT CONTRACT EUR/USD	0	-	-	6,356	-	-	0	-	-	37,060	-	-
GBP/USD MONDAY OPTION W	0	0	0.0%	21	1,141	-98.16%	0	0	0.0%	4,357	4,136	5.3%
GBP/USD MONDAY OPTION W	0	0	0.0%	717	620	15.65%	0	0	0.0%	7,903	7,323	7.9%
GBP/USD MONDAY OPTION W	0	0	0.0%	80	82	-2.44%	0	0	0.0%	2,451	2,082	17.7%
GBP/USD MONDAY OPTION W	0	0	0.0%	173	848	-79.60%	0	0	0.0%	3,238	3,881	-16.6%
GBP/USD MONDAY OPTION W	0	0	0.0%	191	0	0.00%	0	0	0.0%	591	361	63.7%
GBP/USD MONTHLY OPTIONS	0	0	0.0%	55,764	75,740	-26.37%	0	0	0.0%	407,573	493,619	-17.4%
GBP/USD THURSDAY WKLY O	0	-	-	159	-	-	0	-	-	1,467	-	-
GBP/USD THURSDAY WKLY O	0	-	-	860	-	-	0	-	-	1,576	-	-
GBP/USD THURSDAY WKLY O	0	-	-	289	-	-	0	-	-	2,072	-	-
GBP/USD THURSDAY WKLY O	0	-	-	108	-	-	0	-	-	866	-	-
GBP/USD THURSDAY WKLY O	0	-	-	0	-	-	0	-	-	291	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	30	-	-	0	-	-	974	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	293	-	-	0	-	-	2,533	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	86	-	-	0	-	-	1,677	-	-

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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	-	-	132	-		0	-	-	1,416	-	-
GBP/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	341	-	-
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	15	-100.00%	0	0	0.0%	2,682	4,286	-37.4%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,623	1,567	131.21%	0	0	0.0%	21,372	14,393	48.5%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	3,755	2,615	43.59%	0	0	0.0%	27,728	19,264	43.9%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	2,699	787	242.95%	0	0	0.0%	14,719	15,447	-4.7%
GBP/USD WKLY FRIDAY OPTIC	0	0	0.0%	0	1,458	-100.00%	0	0	0.0%	4,028	5,566	-27.6%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	1,324	1,389	-4.68%	0	0	0.0%	5,303	9,206	-42.4%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	857	483	77.43%	0	0	0.0%	7,859	3,510	123.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	2,099	244	760.25%	0	0	0.0%	8,795	7,213	21.9%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	351	1,881	-81.34%	0	0	0.0%	5,063	6,371	-20.5%
GBP/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	665	481	38.3%
JPY/USD MONDAY OPTION WE	0	0	0.0%	348	767	-54.63%	0	0	0.0%	3,851	2,897	32.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	505	238	112.18%	0	0	0.0%	11,147	6,030	84.9%
JPY/USD MONDAY OPTION WE	0	0	0.0%	104	352	-70.45%	0	0	0.0%	2,084	2,000	4.2%
JPY/USD MONDAY OPTION WE	0	0	0.0%	155	1,005	-84.58%	0	0	0.0%	5,829	7,141	-18.4%
JPY/USD MONDAY OPTION WE	0	0	0.0%	1,130	0	0.00%	0	0	0.0%	2,177	51	4,168.6%
JPY/USD MONTHLY OPTIONS	0	0	0.0%	132,733	95,115	39.55%	0	0	0.0%	660,230	967,830	-31.8%
JPY/USD THURSDAY WKLY OP	0	-	-	1,502	-		0	-	-	1,644	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	606	-		0	-	-	716	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	12	-		0	-	-	235	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	10	-		0	-	-	149	-	-
JPY/USD THURSDAY WKLY OP	0	-	-	0	-		0	-	-	253	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	19	-		0	-	-	110	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	38	-		0	-	-	3,367	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	159	-		0	-	-	2,127	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	529	-		0	-	-	1,513	-	-
JPY/USD TUESDAY WKLY OPT	0	-	-	0	-		0	-	-	37	-	-
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	2	16	-87.50%	0	0	0.0%	3,234	23,956	-86.5%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	9,491	2,669	255.60%	0	0	0.0%	46,156	57,013	-19.0%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	4,573	10,954	-58.25%	0	0	0.0%	48,349	80,717	-40.1%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	15,032	12,294	22.27%	0	0	0.0%	46,873	74,776	-37.3%
JPY/USD WKLY FRIDAY OPTIO	0	0	0.0%	0	12,191	-100.00%	0	0	0.0%	9,352	27,899	-66.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	6,956	4,094	69.91%	0	0	0.0%	20,538	23,573	-12.9%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	4,140	4,191	-1.22%	0	0	0.0%	18,720	20,913	-10.5%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	3,756	3,766	-0.27%	0	0	0.0%	23,364	18,654	25.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	2,218	7,037	-68.48%	0	0	0.0%	15,462	28,729	-46.2%
JPY/USD WKLY WED OPTIONS	0	0	0.0%	0	0	0.00%	0	0	0.0%	3,102	7,555	-58.9%
MXN/USD MONTHLY OPTIONS	0	0	0.0%	1,561	89	1,653.93%	0	0	0.0%	3,305	4,425	-25.3%
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%	77	3	2,466.67%	0	0	0.0%	221	506	-56.3%
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%	730	390	87.18%	0	0	0.0%	2,921	1,908	53.1%
BUTTER CS	0	0	0.0%	3,108	3,920	-20.71%	0	0	0.0%	24,329	30,390	-19.9%
CASH-SETTLED CHEESE	0	0	0.0%	14,038	10,256	36.88%	0	0	0.0%	94,842	67,491	40.5%
CAT ASIA WEATHER	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CATTLE	0	0	0.0%	1,528,778	1,143,406	33.70%	0	0	0.0%	9,678,348	8,609,110	12.4%
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%	2,769,093	1,786,428	55.01%	0	0	0.0%	18,339,807	15,871,607	15.6%
CLASS IV MILK	0	0	0.0%	1,402	3,122	-55.09%	0	0	0.0%	7,482	17,449	-57.1%
COFFEE	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%
CORN	0	0	0.0%	6,754,918	5,799,842	16.47%	0	0	0.0%	51,165,358	47,702,112	7.3%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DOW-UBS COMMOD INDEX	0	0	0.0%	4,038	32,241	-87.48%	0	0	0.0%	171,813	336,402	-48.9%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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 SW	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
DRY WHEY	0	0	0.0%	811	820	-1.10%	0	0	0.0%	7,840	6,997	12.0%
FEEDER CATTLE	0	0	0.0%	360,188	296,538	21.46%	0	0	0.0%	2,415,225	1,859,806	29.9%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0.00%	0	0	0.0%	4	5	-20.0%
GOLDMAN SACHS	0	0	0.0%	1,687	2,349	-28.18%	0	0	0.0%	12,150	20,816	-41.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	30	-100.00%	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%	1,124,528	970,407	15.88%	0	0	0.0%	7,801,433	6,814,903	14.5%
HOUSING INDEX	0	0	0.0%	18	7	157.14%	0	0	0.0%	106	118	-10.2%
KC WHEAT	0	0	0.0%	1,009,932	740,018	36.47%	0	0	0.0%	7,326,497	6,471,819	13.2%
LUMBER	0	0	0.0%	15,198	6,270	142.39%	0	0	0.0%	97,038	54,530	78.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
MILK	0	0	0.0%	41,403	27,986	47.94%	0	0	0.0%	221,522	204,368	8.4%
MINI CORN	0	0	0.0%	53,328	48,794	9.29%	0	0	0.0%	247,830	424,175	-41.6%
MINI SOYBEAN	0	0	0.0%	65,263	57,009	14.48%	0	0	0.0%	301,858	430,162	-29.8%
MINI WHEAT	0	0	0.0%	54,171	22,435	141.46%	0	0	0.0%	210,310	191,700	9.7%
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%	3,998	5,012	-20.23%	0	0	0.0%	34,172	42,445	-19.5%
OATS	0	0	0.0%	13,288	5,083	161.42%	0	0	0.0%	93,185	60,791	53.3%
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%	1,688	1,761	-4.15%	0	0	0.0%	10,747	17,216	-37.6%
ROUGH RICE	0	0	0.0%	12,812	10,009	28.00%	0	0	0.0%	119,529	122,374	-2.3%
SOYBEAN	0	0	0.0%	4,370,630	3,283,177	33.12%	0	0	0.0%	34,513,931	28,706,371	20.2%
SOYBEAN MEAL	0	0	0.0%	2,705,536	2,110,982	28.16%	0	0	0.0%	19,660,034	14,949,268	31.5%
SOYBEAN OIL	0	0	0.0%	3,034,226	2,301,255	31.85%	0	0	0.0%	21,514,458	15,774,698	36.4%
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%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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	-	-	500	-		0	-	-	1,950	-	-
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	350	212	65.09%	0	0	0.0%	1,410	212	565.1%
BLOCK CHEESE	0	0	0.0%	438	86	409.30%	0	0	0.0%	1,990	2,457	-19.0%
BUTTER CS	0	0	0.0%	2,236	1,243	79.89%	0	0	0.0%	13,684	9,184	49.0%
CASH-SETTLED CHEESE	0	0	0.0%	8,483	4,960	71.03%	0	0	0.0%	46,294	44,663	3.7%
CATTLE	0	0	0.0%	312,657	164,974	89.52%	0	0	0.0%	2,079,857	1,473,141	41.2%
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%	738,781	634,928	16.36%	0	0	0.0%	4,593,256	4,305,663	6.7%
CLASS IV MILK	0	0	0.0%	13,052	6,211	110.14%	0	0	0.0%	45,981	44,677	2.9%
CORN	0	0	0.0%	4,345,606	3,277,639	32.58%	0	0	0.0%	20,133,630	20,148,839	-0.1%
CORN NEARBY+2 CAL SPRD	0	0	0.0%	10,862	14,652	-25.87%	0	0	0.0%	241,025	169,828	41.9%
DEC-DEC CORN CAL SPRD	0	0	0.0%	426	0	0.00%	0	0	0.0%	5,664	0	0.0%
DEC-JULY CORN CAL SPRD	0	0	0.0%	800	725	10.34%	0	0	0.0%	12,942	7,832	65.2%
DEC-JULY WHEAT CAL SPRD	0	-	-	0	-		0	-	-	350	-	-
DRY WHEY	0	0	0.0%	0	392	-100.00%	0	0	0.0%	73	2,545	-97.1%
FEEDER CATTLE	0	0	0.0%	49,872	37,123	34.34%	0	0	0.0%	394,577	243,205	62.2%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0.00%	0	0	0.0%	0	0	0.0%
HOGS	0	0	0.0%	339,354	212,690	59.55%	0	0	0.0%	2,114,350	1,580,586	33.8%
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%	774	6,675	-88.40%	0	0	0.0%	90,019	62,695	43.6%
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%	0	0	0.00%	0	0	0.0%	69,443	41,528	67.2%
KC WHEAT	0	0	0.0%	63,174	64,741	-2.42%	0	0	0.0%	537,922	547,683	-1.8%
LUMBER	0	0	0.0%	280	291	-3.78%	0	0	0.0%	1,738	3,154	-44.9%
LV CATL CSO	0	-	-	0	-		0	-	-	60	-	-
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0.00%	-	0	0.0%	-	0	0.0%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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-JULY CORN CAL SPRD	0	0	0.0%	700	0	0.00%	0	0	0.0%	12,681	9,575	32.4%
MAR-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	30	0	0.0%
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%	25,991	33,800	-23.10%	0	0	0.0%	153,026	144,935	5.6%
MLK MID OPTIONS	0	0	0.0%	4	0	0.00%	0	0	0.0%	19	45	-57.8%
NFD MILK	0	0	0.0%	2,868	3,028	-5.28%	0	0	0.0%	24,885	25,029	-0.6%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	200	600	-66.7%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0	0.00%	0	0	0.0%	15	0	0.0%
OATS	0	0	0.0%	335	142	135.92%	0	0	0.0%	1,178	1,595	-26.1%
PORK CUTOUT	0	0	0.0%	4	0	0.00%	0	0	0.0%	11	35	-68.6%
ROUGH RICE	0	0	0.0%	2,247	1,777	26.45%	0	0	0.0%	17,806	10,654	67.1%
SEP-DEC SOYBEAN MEAL CSC	0	-	-	300	-		0	-	-	300	-	-
SOYBEAN	0	0	0.0%	1,747,816	1,586,009	10.20%	0	0	0.0%	10,753,323	11,680,610	-7.9%
SOYBEAN CRUSH	0	0	0.0%	0	0	0.00%	0	0	0.0%	5	151	-96.7%
SOYBEAN MEAL	0	0	0.0%	331,703	218,285	51.96%	0	0	0.0%	2,503,155	1,647,118	52.0%
SOYBEAN OIL	0	0	0.0%	511,093	293,746	73.99%	0	0	0.0%	2,655,581	1,726,970	53.8%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	13,503	10	134,930.00%	0	0	0.0%	55,991	19,573	186.1%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0.00%	0	0	0.0%	2,230	1,100	102.7%
SOY OIL NEARBY+2 CAL SPRD	0	-	-	0	-		0	-	-	175	-	-
WHEAT	0	0	0.0%	1,216	6	20,166.67%	0	0	0.0%	14,153	821	1,623.9%
WHEAT-CORN ICSCO	0	0	0.0%	0	0	0.00%	0	0	0.0%	225	1,720	-86.9%
WHEAT NEARBY+2 CAL SPRD	0	0	0.0%	510	845	-39.64%	0	0	0.0%	4,202	30,474	-86.2%
TOTAL FUTURES GROUP												
Interest Rate Futures	401,277	742,571	-46.0%	138,833,842	138,425,725	0.3%	5,401,607	5,942,074	-9.1%	1,291,854,016	1,240,175,871	4.2%
Equity Index Futures	0	0	0.0%	83,674,261	112,415,647	-25.6%	0	0	0.0%	755,999,231	930,929,707	-18.8%
Metals Futures	0	0	0.0%	10,072,114	9,588,094	5.0%	0	0	0.0%	76,929,159	67,129,990	14.6%
Energy Futures	0	0	0.0%	32,359,112	32,281,375	0.2%	0	0	0.0%	244,451,255	262,591,742	-6.9%
FX Futures	0	0	0.0%	16,777,110	18,226,826	-8.0%	0	0	0.0%	126,333,824	126,208,302	0.1%
Ag Products Futures	0	0	0.0%	23,944,810	18,669,547	28.3%	0	0	0.0%	174,072,972	148,795,095	17.0%
TOTAL FUTURES	401,277	742,571	-46.0%	305,661,249	329,607,214	-7.3%	5,401,607	5,942,074	-9.1%	2,669,640,457	2,775,830,707	-3.8%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.



CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry JUL 2023	Open Outcry JUL 2022	% CHG	ELEC JUL 2023	ELEC JUL 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%	22,218,741	18,830,785	18.0%	0	0	0.0%	171,953,840	157,841,104	8.9%
Interest Rate Options	14,743,301	10,807,196	36.4%	27,824,281	25,032,157	11.2%	180,045,002	114,418,861	57.4%	237,440,829	197,557,211	20.2%
Metals Options	0	0	0.0%	1,160,336	1,076,303	7.8%	0	0	0.0%	10,182,648	8,043,923	26.6%
Energy Options	0	0	0.0%	3,417,380	2,583,093	32.3%	0	0	0.0%	24,245,418	22,421,685	8.1%
FX Options	0	0	0.0%	736,044	748,993	-1.7%	0	0	0.0%	4,884,988	5,422,666	-9.9%
Ag Products Options	0	0	0.0%	8,525,935	6,565,190	29.9%	0	0	0.0%	46,590,246	43,993,094	5.9%
TOTAL OPTIONS	14,743,301	10,807,196	36.4%	63,882,717	54,836,521	16.5%	180,045,002	114,418,861	57.4%	495,297,969	435,279,683	13.8%
TOTAL COMBINED												
Interest Rate	15,144,578	11,549,767	31.1%	166,658,123	163,457,882	2.0%	185,446,609	120,360,935	54.1%	1,529,294,845	1,437,733,082	6.4%
Equity Index	0	0	0.0%	105,893,002	131,246,432	-19.3%	0	0	0.0%	927,953,071	1,088,770,811	-14.8%
Metals	0	0	0.0%	11,232,450	10,664,397	5.3%	0	0	0.0%	87,111,807	75,173,913	15.9%
Energy	0	0	0.0%	35,776,492	34,864,468	2.6%	0	0	0.0%	268,696,673	285,013,427	-5.7%
FX	0	0	0.0%	17,513,154	18,975,819	-7.7%	0	0	0.0%	131,218,812	131,630,968	-0.3%
Ag Products	0	0	0.0%	32,470,745	25,234,737	28.7%	0	0	0.0%	220,663,218	192,788,189	14.5%
GRAND TOTAL	15,144,578	11,549,767	31.1%	369,543,966	384,443,735	-3.9%	185,446,609	120,360,935	54.1%	3,164,938,426	3,211,110,390	-1.4%

*** 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.

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The previous year Average Daily Volume (ADV) may slightly differ for CBOT legacy products based on the way CME Group defines the number of trading days. The open interest values are based on preliminary open interest values only.