

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Interest Rate Futures</b>								
10-YR Eris LIBOR	28,863	29,575	-2.4%	4,648	521.0%	187,917	161,590	16.3%
10-YR Eris SOFR	946	0	0.0%	1,812	-47.8%	11,827	280	4,123.9%
10-YR MAC LIBOR	39,658	265,639	-85.1%	5,047	685.8%	322,885	1,538,779	-79.0%
10-YR MAC SOFR	0	0	-	0	0.0%	2	0	-
10-YR NOTE	25,483,188	25,676,212	-0.8%	45,668,728	-44.2%	462,127,121	468,979,006	-1.5%
10Y YIELD	28,685	84,591	-66.1%	52,114	-45.0%	1,110,232	767,618	44.6%
15-YR Eris LIBOR	0	9,350	-100.0%	0	0.0%	1,500	9,350	-84.0%
1-MONTH EURODOLLAR	9	670	-98.7%	4,012	-99.8%	77,856	672	11,485.7%
1-YR Eris BSBY	0	0	-	0	0.0%	1,600	0	-
1-YR Eris SOFR	6,541	4,721	38.6%	1,450	351.1%	230,462	729,619	-68.4%
20-YR BOND	689	0	-	2,307	-70.1%	38,397	0	-
20-YR SWAP RATE	0	90	-100.0%	0	0.0%	0	90	-100.0%
2-YR Eris LIBOR	123,099	87,645	40.5%	4,643	2,551.3%	906,645	331,520	173.5%
2-YR Eris SOFR	17,735	10,151	74.7%	11,857	49.6%	148,779	66,419	124.0%
2-YR NOTE	8,282,897	6,966,243	18.9%	18,542,830	-55.3%	169,827,700	115,443,732	47.1%
2Y YIELD	6,121	19,926	-69.3%	9,003	-32.0%	94,804	54,052	75.4%
30-Year UMBS TBA Futures - 2.5%	170	0	-	60	183.3%	230	0	-
30-Year UMBS TBA Futures - 3.0%	158	0	-	129	22.5%	287	0	-
30-Year UMBS TBA Futures - 3.5%	346	0	-	658	-47.4%	1,004	0	-
30-Year UMBS TBA Futures - 4.0%	125	0	-	288	-56.6%	413	0	-
30-Year UMBS TBA Futures - 4.5%	382	0	-	191	100.0%	573	0	-
30-Year UMBS TBA Futures - 5.0%	1,320	0	-	415	218.1%	1,735	0	-
30-Year UMBS TBA Futures - 5.5%	60	0	-	0	-	60	0	-
30-Year UMBS TBA Futures - 6.0%	6	0	-	0	-	6	0	-
30-YR BOND	5,574,549	6,631,283	-15.9%	9,508,425	-41.4%	97,352,259	113,417,620	-14.2%
30-YR Eris LIBOR	0	0	0.0%	0	0.0%	636	1,291	-50.7%
30-YR SWAP RATE	0	10,454	-100.0%	0	0.0%	4,304	29,017	-85.2%
30Y YIELD	3,311	6,517	-49.2%	4,223	-21.6%	109,245	29,257	273.4%
3-YR Eris BSBY	0	0	-	0	0.0%	4	0	-
3-YR Eris LIBOR	22,660	59,524	-61.9%	1,959	1,056.7%	241,629	293,313	-17.6%
3-YR Eris SOFR	19,122	1,260	1,417.6%	26,633	-28.2%	121,181	20,383	494.5%
3-YR NOTE	113,597	270,095	-57.9%	170,243	-33.3%	3,647,160	2,682,205	36.0%
4-YR Eris LIBOR	635	4,708	-86.5%	495	28.3%	63,575	37,378	70.1%
4-YR Eris SOFR	3,591	618	481.1%	2,560	40.3%	21,185	6,568	222.5%
5-YR Eris LIBOR	33,769	42,758	-21.0%	12,193	177.0%	443,134	403,028	10.0%
5-YR Eris SOFR	8,698	1,508	476.8%	3,344	160.1%	43,281	6,384	578.0%
5-YR MAC LIBOR	30,459	81,600	-62.7%	24,534	24.2%	414,959	684,151	-39.3%
5-YR NOTE	16,721,037	16,163,740	3.4%	34,850,507	-52.0%	326,800,007	281,825,637	16.0%
5Y YIELD	114	6,562	-98.3%	520	-78.1%	22,473	35,203	-36.2%
7-YR Eris LIBOR	1,327	2,196	-39.6%	1,785	-25.7%	45,377	31,698	43.2%
7-YR Eris SOFR	1,292	1	129,100.0%	2,092	-38.2%	12,256	1	1,225,500.0%
BSBY 3-MONTH FUTURES	9,433	94,586	-90.0%	19,710	-52.1%	569,291	494,710	15.1%
ESTR Basis Spread Futures	859	0	-	1,639	-47.6%	2,539	0	-
ESTR Futures	11,134	0	-	5,634	97.6%	16,779	0	-
EURODOLLARS	10,093,645	43,255,746	-76.7%	15,166,182	-33.4%	394,020,496	609,936,368	-35.4%
FED FUND	4,814,709	3,471,901	38.7%	6,915,884	-30.4%	83,995,524	28,229,800	197.5%
SOFR	40,831,127	6,360,164	542.0%	48,950,717	-16.6%	441,997,117	39,928,510	1,007.0%
SONIA	2,056	1,583	29.9%	0	0.0%	3,349	805,095	-99.6%
TIIE	130	54	140.7%	25	420.0%	1,171	892	31.3%
Ultra 10-Year Note	5,909,221	5,373,029	10.0%	10,295,863	-42.6%	95,651,184	93,791,008	2.0%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Interest Rate Futures</b>								
ULTRA T-BOND	3,559,001	3,177,508	12.0%	7,962,058	-55.3%	59,937,881	57,759,797	3.8%
<b>Interest Rate Options</b>								
10-YR NOTE	12,974,250	10,784,327	20.3%	13,257,946	-2.1%	164,562,163	159,684,869	3.1%
2-YR NOTE	269,326	52,105	416.9%	146,633	83.7%	1,255,607	239,544	424.2%
30-YR BOND	1,972,300	2,347,962	-16.0%	1,985,084	-0.6%	28,889,670	32,679,820	-11.6%
5-YR NOTE	3,257,743	3,754,257	-13.2%	4,109,226	-20.7%	60,492,310	40,343,788	49.9%
EURODOLLARS	7,908,771	9,787,076	-19.2%	9,711,071	-18.6%	143,310,022	64,034,656	123.8%
EURO MIDCURVE	421,970	11,048,201	-96.2%	749,264	-43.7%	65,828,332	202,913,484	-67.6%
FED FUND	0	0	0.0%	0	0.0%	4,045	0	0.0%
SOFR	12,991,569	203	6,399,687.7%	16,026,490	-18.9%	86,072,767	8,855	971,924.5%
SOFR MIDCURVE	4,575,875	1	457,587,400.0%	4,197,924	9.0%	24,309,231	101	24,068,445.5%
Ultra 10-Year Note	479	16	2,893.8%	25	1,816.0%	1,330	62	2,045.2%
ULTRA T-BOND	1,129	931	21.3%	1,151	-1.9%	25,728	8,290	210.3%
<b>Equity Index Futures</b>								
BITCOIN	156,415	173,229	-9.7%	293,346	-46.7%	2,694,578	2,528,772	6.6%
DJ US REAL ESTATE SECTOR	167,942	164,606	2.0%	37,663	345.9%	983,216	774,355	27.0%
E-mini (\$5) Dow	3,875,651	4,222,584	-8.2%	4,221,534	-8.2%	51,033,575	44,404,691	14.9%
E-mini FTSE China 50	55	139	-60.4%	231	-76.2%	7,408	898	724.9%
E-MINI MIDCAP	343,452	431,447	-20.4%	264,797	29.7%	3,976,016	3,328,874	19.4%
E-MINI NASDAQ 100	13,926,219	14,268,367	-2.4%	13,225,865	5.3%	176,874,262	140,406,331	26.0%
E-MINI RUSSELL 1000	15,244	49,964	-69.5%	1,365	1,016.8%	148,765	166,062	-10.4%
E-MINI RUSSELL 1000 GROWTH	10,435	13,637	-23.5%	5,621	85.6%	103,840	66,580	56.0%
E-MINI RUSSELL 1000 VALUE	62,137	52,649	18.0%	5,644	1,000.9%	300,802	364,515	-17.5%
E-MINI RUSSELL 2000	5,035,590	6,287,238	-19.9%	4,054,962	24.2%	60,571,391	52,080,430	16.3%
E-MINI S&P500	42,243,397	44,601,100	-5.3%	36,343,215	16.2%	503,954,527	403,642,202	24.9%
E-MINI S&P500 ESG	54,636	53,212	2.7%	16,011	241.2%	390,659	264,928	47.5%
ETHER	0	0	-	0	0.0%	12	0	-
ETHER FUTURES	77,846	90,851	-14.3%	168,664	-53.8%	1,571,750	888,702	76.9%
FT-SE 100	0	819	-100.0%	4	-100.0%	1,528	2,198	-30.5%
FTSE Emerging	0	0	0.0%	0	0.0%	0	5	-100.0%
IBOVESPA INDEX	63	71	-11.3%	44	43.2%	688	2,570	-73.2%
MICRO BITCOIN	116,734	419,547	-72.2%	343,673	-66.0%	3,682,071	3,727,727	-1.2%
MICRO E-MINI NASDAQ 100	23,024,785	24,614,942	-6.5%	26,067,137	-11.7%	364,950,140	239,115,577	52.6%
MICRO E-MINI RUSSELL 2000	1,737,641	4,073,952	-57.3%	2,240,312	-22.4%	32,832,497	39,150,463	-16.1%
MICRO E-MINI S&P500	26,075,194	21,948,911	18.8%	27,185,751	-4.1%	343,974,047	218,602,634	57.4%
MICRO ETHER	189,653	208,824	-9.2%	474,356	-60.0%	4,915,035	208,824	2,253.7%
MICRO MINI \$5 DOW	2,908,887	3,489,548	-16.6%	3,223,376	-9.8%	44,933,287	33,488,112	34.2%
NASDAQ-100 VOLATILITY	807	0	0.0%	36	2,141.7%	19,362	111	17,343.2%
NASDAQ BIOTECH SECTOR	595	198	200.5%	63	844.4%	2,818	7,335	-61.6%
Nearby BTIC+	0	650	-100.0%	50	-100.0%	7,588	1,106	586.1%
NIKKEI 225 (\$) STOCK	131,856	154,574	-14.7%	96,887	36.1%	1,402,552	1,589,832	-11.8%
NIKKEI 225 (YEN) STOCK	684,932	741,258	-7.6%	589,048	16.3%	9,213,229	8,120,411	13.5%
PHLX SEMICONDUCTOR SECTO	202	0	-	229	-11.8%	2,128	0	-
S&P 500	91,313	137,175	-33.4%	50,301	81.5%	901,068	1,276,005	-29.4%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Equity Index Futures</b>								
S&P 500 ANNUAL DIVIDEND IND	69,170	74,486	-7.1%	77,999	-11.3%	983,613	738,840	33.1%
S&P 500/GI	0	0	0.0%	0	-	0	0	0.0%
S&P 500 QUARLY DIVIDEND IND	8,513	8,110	5.0%	6,580	29.4%	58,317	36,459	60.0%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	-	0	0	0.0%
S&P BIOTECHNOLOGY SECTOR	1,465	0	-	1,023	43.2%	10,742	0	-
S&P COMMUNICATION SERVICE	6,400	6,700	-4.5%	2,536	152.4%	50,773	47,889	6.0%
S&P CONSUMER DISCRETIONAF	11,437	17,362	-34.1%	4,704	143.1%	153,251	150,824	1.6%
S&P CONSUMER STAPLES SECT	57,631	45,165	27.6%	12,223	371.5%	357,984	422,640	-15.3%
S&P ENERGY SECTOR	101,937	91,311	11.6%	29,375	247.0%	822,381	641,070	28.3%
S&P FINANCIAL SECTOR	79,579	78,807	1.0%	14,542	447.2%	465,992	743,111	-37.3%
S&P HEALTH CARE SECTOR	36,823	61,360	-40.0%	8,247	346.5%	316,774	330,229	-4.1%
S&P INDUSTRIAL SECTOR	58,786	41,129	42.9%	32,844	79.0%	384,452	297,648	29.2%
S&P MATERIALS SECTOR	20,585	33,803	-39.1%	13,851	48.6%	188,876	183,113	3.1%
S&P OIL & GAS EXPLORATION A	340	0	-	366	-7.1%	5,025	0	-
S&P REAL ESTATE SECTOR	28,059	15,729	78.4%	1,845	1,420.8%	98,201	108,102	-9.2%
S&P REGIONAL BANKS SECTOR	334	0	-	324	3.1%	2,854	0	-
S&P RETAIL SECTOR	423	0	-	289	46.4%	3,551	0	-
S&P TECHNOLOGY SECTOR	36,607	40,152	-8.8%	10,596	245.5%	317,443	207,368	53.1%
S&P UTILITIES SECTOR	64,684	52,692	22.8%	21,732	197.6%	449,530	396,979	13.2%
S&P VALUE INDEX FUTURES	0	0	0.0%	0	0.0%	0	2,480	-100.0%
TOPIX (USD)	54	0	-	30	80.0%	84	0	-
TOPIX (YEN)	282	3,883	-92.7%	147	91.8%	20,234	31,216	-35.2%
WATER INDEX FUTURES	6	39	-84.6%	3	100.0%	601	986	-39.0%
<b>Equity Index Options</b>								
BITCOIN OPTIONS	2,688	1,929	39.3%	6,088	-55.8%	37,410	17,591	112.7%
DJIA	7,514	0	-	3,480	115.9%	15,965	0	-
E-mini (\$5) Dow	2,551	3,555	-28.2%	3,318	-23.1%	27,737	27,353	1.4%
E-MINI NASDAQ 100	790,195	689,271	14.6%	934,424	-15.4%	11,812,316	6,981,883	69.2%
E-mini Russell 2000	71,444	125,143	-42.9%	58,690	21.7%	1,172,463	1,160,547	1.0%
E-MINI RUSSELL 2000	36,016	48,045	-25.0%	35,996	0.1%	387,806	388,739	-0.2%
E-mini S&P 500	9,325,273	10,438,890	-10.7%	11,038,322	-15.5%	139,740,051	94,270,813	48.2%
E-MINI S&P500	14,149,383	11,344,349	24.7%	13,786,183	2.6%	147,775,097	83,666,476	76.6%
EOM S&P 500	0	0	0.0%	0	0.0%	0	20,000	-100.0%
ETHER OPTIONS	323	0	-	506	-36.2%	1,398	0	-
MICRO BITCOIN	1,073	0	-	3,430	-68.7%	78,540	0	-
Micro E-mini Nasdaq-100	30,949	46,331	-33.2%	37,426	-17.3%	498,105	361,874	37.6%
MICRO E-MINI NASDAQ 100	14,446	19,346	-25.3%	10,134	42.5%	140,712	86,965	61.8%
Micro E-mini S&P 500	251,227	274,197	-8.4%	257,197	-2.3%	2,843,721	2,078,793	36.8%
MICRO ETHER	1,093	0	-	30,233	-96.4%	348,515	0	-
S&P 500	0	0	0.0%	0	0.0%	0	1,302,305	-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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Metals Futures</b>								
ALUMINUM	67,058	40,644	65.0%	60,336	11.1%	594,397	323,522	83.7%
COBALT METAL FUTURES	3,129	175	1,688.0%	2,987	4.8%	17,119	3,397	403.9%
COMEX COPPER	1,285,682	1,162,290	10.6%	2,498,607	-48.5%	21,538,760	24,584,525	-12.4%
COMEX E-Mini GOLD	26,372	16,417	60.6%	48,013	-45.1%	394,418	269,903	46.1%
COMEX E-Mini SILVER	4,252	3,111	36.7%	4,568	-6.9%	47,184	67,532	-30.1%
COMEX GOLD	3,254,906	3,073,611	5.9%	5,419,185	-39.9%	54,261,767	58,464,997	-7.2%
COMEX MINY COPPER	2,111	3,743	-43.6%	4,581	-53.9%	41,645	59,580	-30.1%
COMEX SILVER	1,123,729	1,008,147	11.5%	1,849,022	-39.2%	17,076,680	19,669,534	-13.2%
COPPER	58,071	3,311	1,653.9%	93,627	-38.0%	585,136	27,349	2,039.5%
FERROUS PRODUCTS	3,922	810	384.2%	4,524	-13.3%	34,505	16,878	104.4%
GOLD	219	14,088	-98.4%	793	-72.4%	61,544	104,425	-41.1%
HOT ROLLED COIL STEEL FUTU	4,968	1,341	270.5%	5,102	-2.6%	45,735	14,036	225.8%
IRON ORE 62 CHINA TSI FUTURE	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	740	715	3.5%	752	-1.6%	14,905	11,731	27.1%
METALS	324	3	10,700.0%	106	205.7%	2,440	156	1,464.1%
MICRO GOLD	839,181	730,417	14.9%	1,020,946	-17.8%	12,541,039	13,924,959	-9.9%
NYMEX HOT ROLLED STEEL	19,869	19,761	0.5%	18,556	7.1%	260,885	246,817	5.7%
NYMEX PLATINUM	541,880	445,429	21.7%	433,587	25.0%	5,177,063	4,450,863	16.3%
PALLADIUM	42,916	37,373	14.8%	77,831	-44.9%	571,034	604,582	-5.5%
SILVER	180,078	96,084	87.4%	199,205	-9.6%	1,999,924	2,197,275	-9.0%
URANIUM	0	0	0.0%	0	0.0%	24	1,183	-98.0%
<b>Metals Options</b>								
ALUMINUM	460	0	0.0%	482	-4.6%	1,697	2,250	-24.6%
COMEX COPPER	92,487	34,882	165.1%	126,171	-26.7%	1,058,956	748,743	41.4%
COMEX GOLD	576,783	454,979	26.8%	805,616	-28.4%	9,851,576	8,310,194	18.5%
COMEX SILVER	145,918	83,339	75.1%	180,787	-19.3%	1,462,269	1,761,760	-17.0%
COPPER	6,591	97	6,694.8%	5,314	24.0%	31,816	515	6,077.9%
GOLD	272,521	136,363	99.8%	228,498	19.3%	2,648,356	2,030,842	30.4%
HOT ROLLED COIL STEEL CALL	0	0	0.0%	0	-	0	0	0.0%
HOT ROLLED COIL STEEL PUT O	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI CALL O	0	0	0.0%	0	-	0	0	0.0%
IRON ORE 62 CHINA TSI PUT OP	0	0	0.0%	0	-	0	0	0.0%
IRON ORE CHINA	0	100	-100.0%	0	0.0%	300	6,298	-95.2%
NYMEX HOT ROLLED STEEL	725	1,055	-31.3%	2,025	-64.2%	18,790	4,855	287.0%
NYMEX PLATINUM	847	1,533	-44.7%	2,982	-71.6%	52,331	34,803	50.4%
PALLADIUM	122	156	-21.8%	3	3,966.7%	260	6,786	-96.2%
SILVER	39,472	15,709	151.3%	47,697	-17.2%	288,673	156,588	84.4%
<b>Energy Futures</b>								
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	-	0	0	0.0%
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	1,950	2,430	-19.8%	2,870	-32.1%	65,140	95,438	-31.7%
ARGUS PROPAN FAR EST INDE	6,897	3,724	85.2%	9,075	-24.0%	73,213	71,225	2.8%
ARGUS PROPAN(SAUDI ARAMC	1,924	1,592	20.9%	3,027	-36.4%	24,334	21,736	12.0%
AUSTRIALIAN COKE COAL	0	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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>								
BRENT BALMO SWAP	0	0	0.0%	0	0.0%	1,587	1,314	20.8%
BRENT CALENDAR SWAP	10,020	21,560	-53.5%	5,948	68.5%	163,945	134,241	22.1%
BRENT FINANCIAL FUTURES	240	0	0.0%	0	0.0%	490	4,068	-88.0%
BRENT OIL LAST DAY	1,142,151	1,710,764	-33.2%	1,466,257	-22.1%	17,359,000	24,184,136	-28.2%
CAR VINTAGE	16,729	6,024	177.7%	18,262	-8.4%	186,072	47,149	294.6%
CHICAGO ETHANOL SWAP	44,214	54,270	-18.5%	55,334	-20.1%	697,226	866,757	-19.6%
CHICAGO ULSD PL VS HO SPR	330	30	1,000.0%	440	-25.0%	7,453	3,752	98.6%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0.0%	0	500	-100.0%
CIG BASIS	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	-	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	-	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (	131	111	18.0%	15	773.3%	3,107	3,419	-9.1%
CONWAY NORMAL BUTANE (OPI	521	396	31.6%	605	-13.9%	4,633	3,593	28.9%
CONWAY PROPANE 5 DECIMALS	27,578	12,858	114.5%	19,902	38.6%	208,438	176,347	18.2%
CRUDE OIL	0	0	0.0%	0	0.0%	1,000	3,732	-73.2%
CRUDE OIL LAST DAY	4,098	0	0.0%	697	487.9%	8,817	3,130	181.7%
CRUDE OIL OUTRIGHTS	76,585	51,993	47.3%	90,993	-15.8%	924,559	830,753	11.3%
CRUDE OIL PHY	16,648,666	19,044,372	-12.6%	18,649,620	-10.7%	236,078,704	256,703,287	-8.0%
CRUDE OIL SPRDS	46,228	21,871	111.4%	61,415	-24.7%	629,701	327,811	92.1%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY S	0	0	0.0%	0	-	0	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0.0%	2,220	2,715	-18.2%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0.0%	5	30	-83.3%
DOMINION TRANSMISSION INC	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	-	0	0	0.0%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0.0%	2,000	0	0.0%
DUTCH TTF NATURAL GAS CAL	0	11,296	-100.0%	0	0.0%	14,607	444,677	-96.7%
EAST/WEST FUEL OIL SPREAD	0	6	-100.0%	0	0.0%	0	6	-100.0%
EIA FLAT TAX ONHWAY DIESE	292	1,004	-70.9%	1,173	-75.1%	2,303	5,371	-57.1%
ELEC FINSETTLED	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
EMMISSIONS	1,144	0	-	3,391	-66.3%	23,572	0	-
ETHANOL	0	0	0.0%	0	0.0%	10	272	-96.3%
ETHANOL SWAP	230	120	91.7%	155	48.4%	2,350	2,248	4.5%
ETHANOL T2 FOB ROTT INCL DU	2,915	2,697	8.1%	3,655	-20.2%	41,448	43,567	-4.9%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0.0%	0	81	-100.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	-	0	0	0.0%
EURO GASOIL 10 CAL SWAP	0	0	-	0	0.0%	3	0	-
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0.0%	1,169	2,812	-58.4%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0.0%	0	84	-100.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	-	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0.0%	0	13	-100.0%
EUROPE 3.5% FUEL OIL RDAM	3	15	-80.0%	1	200.0%	563	556	1.3%
EUROPEAN GASOIL (ICE)	6	196	-96.9%	129	-95.3%	13,598	8,549	59.1%
EUROPEAN NAPHTHA BALMO	4	22	-81.8%	30	-86.7%	215	140	53.6%
EUROPEAN NAPHTHA CRACK SP	615	910	-32.4%	293	109.9%	22,315	19,838	12.5%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0.0%	0	710	-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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>								
EUROPE JET KERO NWE CALSW	0	0	0.0%	0	0.0%	0	20	-100.0%
EUROPE NAPHTHA CALSWAP	767	555	38.2%	823	-6.8%	7,471	7,315	2.1%
EURO PROPANE CIF ARA SWA	1,456	1,360	7.1%	1,721	-15.4%	21,074	18,693	12.7%
FREIGHT MARKETS	7	426	-98.4%	309	-97.7%	2,991	2,813	6.3%
FUEL OIL CRACK VS ICE	0	0	0.0%	12	-100.0%	1,204	2,203	-45.3%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0.0%	66	72	-8.3%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	-	0	0	0.0%
FUELOIL SWAP:CARGOES VS.B	0	0	0.0%	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BARG	64	178	-64.0%	147	-56.5%	2,193	7,413	-70.4%
GAS EURO-BOB OXY NWE BARG	829	3,319	-75.0%	1,249	-33.6%	26,841	63,082	-57.5%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0.0%	45	60	-25.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0.0%	10	42	-76.2%
GASOIL 0.1 ROTTERDAM BARG	0	38	-100.0%	10	-100.0%	76	216	-64.8%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0.0%	12	0	0.0%
GASOIL CALENDAR SWAP	0	233	-100.0%	36	-100.0%	1,013	1,819	-44.3%
GASOIL CRACK SPREAD CALEN	0	2,205	-100.0%	12	-100.0%	10,971	22,699	-51.7%
GASOIL MINI CALENDAR SWAP	40	173	-76.9%	360	-88.9%	3,217	4,233	-24.0%
GERMAN POWER BASELOAD CA	0	0	0.0%	0	0.0%	0	244	-100.0%
GROUP THREE UNLEAD GAS (P	0	0	0.0%	0	-	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	3,425	2,965	15.5%	3,035	12.9%	52,663	50,360	4.6%
GRP THREE UNL GS (PLT) VS	4,025	1,960	105.4%	1,625	147.7%	36,512	30,994	17.8%
GULF COAST 3% FUEL OIL BA	10	0	0.0%	0	0.0%	977	740	32.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	4,959	21,983	-77.4%	4,422	12.1%	105,829	244,225	-56.7%
GULF COAST NO.6 FUEL OIL	15,470	12,622	22.6%	20,647	-25.1%	159,591	60,169	165.2%
GULF COAST ULSD CALENDAR	302	878	-65.6%	1,203	-74.9%	2,309	5,084	-54.6%
GULF COAST ULSD CRACK SPR	0	0	0.0%	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	177	95	86.3%	20	785.0%	3,687	3,235	14.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0.0%	127	2,450	-94.8%
HEATING OIL PHY	2,924,629	2,804,932	4.3%	2,674,598	9.3%	39,668,885	38,711,497	2.5%
HENRY HUB BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB INDEX SWAP FUTU	0	0	0.0%	0	-	0	0	0.0%
HENRY HUB SWAP	36,028	14,622	146.4%	14,672	145.6%	331,266	357,038	-7.2%
HOUSTON SHIP CHANNEL BASI	0	0	0.0%	0	0.0%	0	0	0.0%
HTG OIL	0	0	0.0%	0	0.0%	108	124	-12.9%
ICE BRENT DUBAI SWAP	0	60	-100.0%	220	-100.0%	2,413	6,804	-64.5%
ICE GASOIL BALMO SWAP	0	0	0.0%	0	0.0%	0	46	-100.0%
INDIANA MISO	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL ICI4	0	0	0.0%	0	0.0%	0	1,124	-100.0%
JAPAN C&F NAPHTHA CRACK S	0	0	0.0%	0	0.0%	428	6	7,033.3%
JAPAN C&F NAPHTHA SWAP	126	115	9.6%	47	168.1%	1,336	783	70.6%
JAPAN NAPHTHA BALMO SWAP	8	0	0.0%	0	0.0%	14	18	-22.2%
JET CIF NWE VS ICE	90	120	-25.0%	0	0.0%	1,615	1,870	-13.6%
JET FUEL UP-DOWN BALMO CL	1,305	3,880	-66.4%	125	944.0%	16,671	20,994	-20.6%
JKM LNG Futures	0	828	-100.0%	386	-100.0%	3,609	7,251	-50.2%
LA CARB DIESEL (OPIS) SWA	75	355	-78.9%	43	74.4%	2,409	2,335	3.2%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0.0%	0	225	-100.0%
LA JET (OPIS) SWAP	750	475	57.9%	25	2,900.0%	4,150	6,200	-33.1%
LLS (ARGUS) CALENDAR SWAP	0	0	0.0%	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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>								
LLS (ARGUS) VS WTI SWAP	160	480	-66.7%	0	0.0%	253	3,266	-92.3%
LOS ANGELES CARB GASOLINE	0	0	0.0%	0	-	0	0	0.0%
LTD NAT GAS	488,201	396,371	23.2%	365,864	33.4%	4,389,074	4,102,845	7.0%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0.0%	1,685	1,750	-3.7%
MARS (ARGUS) VS WTI TRD M	10,657	9,170	16.2%	11,873	-10.2%	178,876	212,517	-15.8%
MARS BLEND CRUDE OIL	0	0	0.0%	0	-	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	1,107	6,269	-82.3%	2,132	-48.1%	56,889	153,051	-62.8%
MCCLOSKEY RCH BAY COAL	20	110	-81.8%	15	33.3%	4,171	10,691	-61.0%
MGN1 SWAP FUT	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	-	0	0	0.0%
MINI GAS EUROBOB OXY NWE A	0	61	-100.0%	0	0.0%	263	254	3.5%
MINI RBOB V. EBOBARG NWE BF	0	0	0.0%	0	0.0%	50	391	-87.2%
MINI RBOB V. EBOB(ARGUS) NW	398	199	100.0%	310	28.4%	3,762	6,337	-40.6%
MINY HTG OIL	8	13	-38.5%	13	-38.5%	107	83	28.9%
MINY NATURAL GAS	381,570	194,234	96.4%	325,570	17.2%	3,792,835	2,305,179	64.5%
MINY RBOB GAS	6	13	-53.8%	5	20.0%	101	107	-5.6%
MINY WTI CRUDE OIL	386,580	479,671	-19.4%	432,710	-10.7%	6,940,633	5,261,224	31.9%
MJC FUT	0	0	0.0%	0	0.0%	0	50	-100.0%
MNC FUT	1,400	1,186	18.0%	1,658	-15.6%	19,955	11,504	73.5%
MONT BELVIEU ETHANE 5 DECI	28,233	32,502	-13.1%	37,839	-25.4%	428,656	354,180	21.0%
MONT BELVIEU ETHANE OPIS B	755	2,810	-73.1%	1,176	-35.8%	10,832	12,658	-14.4%
MONT BELVIEU LDH PROPANE 5	221,737	120,826	83.5%	199,579	11.1%	2,120,224	2,201,905	-3.7%
MONT BELVIEU LDH PROPANE C	3,311	2,600	27.3%	2,379	39.2%	32,760	36,430	-10.1%
MONT BELVIEU NATURAL GASO	30,729	12,645	143.0%	20,191	52.2%	297,773	176,018	69.2%
MONT BELVIEU NATURAL GASO	1,755	610	187.7%	2,393	-26.7%	20,536	7,282	182.0%
MONT BELVIEU NORMAL BUTAN	53,104	34,456	54.1%	60,424	-12.1%	658,998	642,794	2.5%
MONT BELVIEU NORMAL BUTAN	1,698	1,474	15.2%	1,577	7.7%	18,432	15,473	19.1%
NATURAL GAS	142,671	119,424	19.5%	147,873	-3.5%	1,988,745	1,891,559	5.1%
NATURAL GAS PEN SWP	34,092	26,044	30.9%	27,154	25.6%	512,650	610,471	-16.0%
NATURAL GAS PHY	7,342,634	7,670,114	-4.3%	6,959,599	5.5%	85,875,540	97,588,795	-12.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH O	0	0	0.0%	0	-	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	0	0	0.0%	0	-	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	295	1,395	-78.9%	490	-39.8%	9,777	3,210	204.6%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	-	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	-	0	0	0.0%
N ILLINOIS HUB DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	0	0	0.0%	0	-	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	1,984	2,476	-19.9%	3,327	-40.4%	17,800	15,112	17.8%
NY HARBOR LOW SULPUR GAS	0	0	0.0%	0	0.0%	0	1,570	-100.0%
NY HARBOR RESIDUAL FUEL 1	130	275	-52.7%	75	73.3%	1,555	2,699	-42.4%
NYH NO 2 CRACK SPREAD CAL	330	330	0.0%	105	214.3%	17,385	17,375	0.1%
NYISO CAPACITY	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>								
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	-	0	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	-	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	-	0	0	0.0%
NY ULSD (ARGUS) VS HEATING	845	450	87.8%	998	-15.3%	7,255	1,100	559.5%
PANHANDLE BASIS SWAP FUTU	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	3,178	2,872	10.7%	3,802	-16.4%	41,028	45,298	-9.4%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	15,711	19,335	-18.7%	10,888	44.3%	222,782	284,190	-21.6%
PETRO CRK&SPRD EURO	339	1,148	-70.5%	783	-56.7%	9,687	10,598	-8.6%
PETROLEUM PRODUCTS	1,182	284	316.2%	217	444.7%	23,713	10,607	123.6%
PETROLEUM PRODUCTS ASIA	522	1,012	-48.4%	240	117.5%	7,988	3,916	104.0%
PETRO OUTRIGHT EURO	6,655	10,500	-36.6%	7,271	-8.5%	111,793	96,633	15.7%
PETRO OUTRIGHT NA	3,935	3,858	2.0%	2,580	52.5%	49,488	39,536	25.2%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM MONTHLY	0	0	0.0%	0	-	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	-	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0.0%	0	0	0.0%
PLASTICS	564	877	-35.7%	729	-22.6%	11,212	16,144	-30.6%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0.0%	111	185	-40.0%
PROPANE NON-LDH MB (OPIS) B	1,997	1,955	2.1%	2,000	-0.1%	20,527	16,854	21.8%
PROPANE NON-LDH MT. BEL (OF	22,715	10,772	110.9%	24,838	-8.5%	175,389	192,442	-8.9%
RBOB CALENDAR SWAP	4,126	7,315	-43.6%	7,857	-47.5%	64,290	80,726	-20.4%
RBOB CRACK SPREAD	60	780	-92.3%	300	-80.0%	15,272	22,479	-32.1%
RBOB CRACK SPREAD BALMO S	0	0	-	0	0.0%	127	0	-
RBOB GAS	0	0	0.0%	0	0.0%	72	84	-14.3%
RBOB GASOLINE BALMO CLNDR	302	130	132.3%	9	3,255.6%	12,827	8,965	43.1%
RBOB PHY	2,799,416	3,312,905	-15.5%	2,894,377	-3.3%	41,039,222	47,837,998	-14.2%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0.0%	975	1,105	-11.8%
SAN JUAN BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	1	-100.0%	3	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0.0%	1	23	-95.7%
SINGAPORE 380CST FUEL OIL	52	132	-60.6%	20	160.0%	1,375	2,155	-36.2%
SINGAPORE FUEL 180CST CAL	12	0	0.0%	0	0.0%	15	0	0.0%
SINGAPORE FUEL OIL 180 CS	0	0	0.0%	0	0.0%	0	12	-100.0%
SINGAPORE FUEL OIL SPREAD	0	0	0.0%	0	0.0%	102	0	0.0%
SINGAPORE GASOIL	497	776	-36.0%	346	43.6%	8,696	8,186	6.2%
SINGAPORE GASOIL CALENDAR	34	620	-94.5%	26	30.8%	1,306	8,966	-85.4%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Futures</b>								
SINGAPORE GASOIL SWAP	0	1,039	-100.0%	0	0.0%	3,155	14,347	-78.0%
SINGAPORE GASOIL VS ICE	0	1,450	-100.0%	0	0.0%	3,936	12,558	-68.7%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	-	0	0	0.0%
SINGAPORE JET KERO GASOIL	0	750	-100.0%	0	0.0%	3,725	4,498	-17.2%
SINGAPORE JET KEROSENE SW	0	0	0.0%	0	0.0%	405	3,435	-88.2%
SINGAPORE MOGAS 92 UNLEAD	0	0	0.0%	0	0.0%	810	610	32.8%
SINGAPORE MOGAS 92 UNLEAD	50	542	-90.8%	0	0.0%	650	7,823	-91.7%
Sumas Basis Swap	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	0	0	0.0%	12	-100.0%	450	300	50.0%
TC5 RAS TANURA TO YOKOHAM	0	0	0.0%	0	0.0%	243	620	-60.8%
TCO BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	0	750	-100.0%	120	-100.0%	6,405	12,995	-50.7%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	-	0	0	0.0%
UK NBP NAT GAS CAL MTH FUT	0	0	0.0%	0	0.0%	0	2,535	-100.0%
ULSD UP-DOWN BALMO SWP	4,400	10,125	-56.5%	4,510	-2.4%	70,389	65,174	8.0%
UP DOWN GC ULSD VS NMX HO	23,789	27,495	-13.5%	20,476	16.2%	308,492	405,553	-23.9%
WAHA BASIS	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT CALENDAR SWAP	40,920	47,449	-13.8%	43,728	-6.4%	599,792	619,958	-3.3%
WTI CALENDAR	51,464	70,518	-27.0%	43,810	17.5%	719,774	646,238	11.4%
WTI MIDLAND CRUDE OIL	0	400	-100.0%	0	0.0%	900	3,055	-70.5%
WTS (ARGUS) VS WTI SWAP	540	480	12.5%	216	150.0%	28,378	38,836	-26.9%
WTS (ARGUS) VS WTI TRD MT	100	30	233.3%	0	0.0%	7,135	6,405	11.4%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Energy Options</b>								
BRENT CALENDAR SWAP	990	0	0.0%	0	0.0%	4,262	3,106	37.2%
BRENT CRUDE OIL 1 M CSO	15,000	500	2,900.0%	35,250	-57.4%	181,500	198,550	-8.6%
BRENT OIL LAST DAY	7,650	34,619	-77.9%	28,902	-73.5%	324,178	557,482	-41.8%
COAL API2 INDEX	50	25	100.0%	20	150.0%	560	2,715	-79.4%
CRUDE OIL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL 1MO	31,950	74,325	-57.0%	57,425	-44.4%	668,528	1,314,275	-49.1%
CRUDE OIL APO	19,816	81,933	-75.8%	9,004	120.1%	237,774	417,103	-43.0%
CRUDE OIL CALNDR STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	11,102	0	-	7,184	54.5%	23,887	0	-
CRUDE OIL PHY	1,890,769	2,513,338	-24.8%	2,954,392	-36.0%	30,888,826	31,171,839	-0.9%
ELEC FINSETTLED	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL SWAP	855	5,165	-83.4%	1,911	-55.3%	31,535	41,665	-24.3%
FREIGHT MARKETS	0	0	-	0	0.0%	30	0	-
HEATING OIL CRK SPD AVG PRI	0	0	0.0%	0	0.0%	750	1,980	-62.1%
HEATING OIL PHY	15,625	12,992	20.3%	14,319	9.1%	139,962	108,815	28.6%
HENRY HUB FINANCIAL LAST	22,767	12,693	79.4%	10,759	111.6%	85,939	100,742	-14.7%
HO 1 MONTH CLNDR OPTIONS	2,550	0	0.0%	1,500	70.0%	10,525	200	5,162.5%
LLS CRUDE OIL	0	1,800	-100.0%	0	0.0%	5,700	1,800	216.7%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0.0%	0	540	-100.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS	0	0	-	150	-100.0%	4,943	0	-
NATURAL GAS 1 M CSO FIN	136,960	98,593	38.9%	77,350	77.1%	1,111,981	745,621	49.1%
NATURAL GAS 2 M CSO FIN	0	8,250	-100.0%	0	0.0%	14,100	38,500	-63.4%
NATURAL GAS 3 M CSO FIN	650	0	0.0%	3,250	-80.0%	355,190	247,994	43.2%
NATURAL GAS 5 M CSO FIN	0	169	-100.0%	2,000	-100.0%	48,250	18,819	156.4%
NATURAL GAS 6 M CSO FIN	10,250	12,650	-19.0%	12,375	-17.2%	113,525	127,600	-11.0%
NATURAL GAS OPT	0	1,800	-100.0%	850	-100.0%	7,600	177,130	-95.7%
NATURAL GAS OPTION ON CALE	0	530	-100.0%	0	0.0%	600	63,850	-99.1%
NATURAL GAS PHY	2,121,993	1,357,193	56.4%	1,942,017	9.3%	24,894,346	24,792,026	0.4%
NATURAL GAS SUMMER STRIP	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS WINTER STRIP	0	0	0.0%	0	-	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	-	0	0	0.0%
NY HARBOR HEAT OIL SWP	2,806	627	347.5%	2,543	10.3%	25,294	12,632	100.2%
PETROCHEMICALS	900	500	80.0%	0	0.0%	4,214	11,897	-64.6%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	210	-100.0%	0	0.0%	375	1,620	-76.9%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50MW	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	-	250	-100.0%	3,600	0	-
RBOB CALENDAR SWAP	0	0	0.0%	20	-100.0%	3,605	1,274	183.0%
RBOB PHY	1,109	3,104	-64.3%	2,144	-48.3%	44,147	85,697	-48.5%
SAN JUAN PIPE SWAP	0	0	0.0%	0	-	0	0	0.0%
SHORT TERM	200	500	-60.0%	100	100.0%	2,850	2,025	40.7%
SHORT TERM NATURAL GAS	500	100	400.0%	650	-23.1%	7,525	4,825	56.0%
WTI-BRENT BULLET SWAP	9,750	54,825	-82.2%	12,400	-21.4%	385,745	390,750	-1.3%
WTI CRUDE OIL 1 M CSO FI	110,575	11,450	865.7%	74,350	48.7%	740,925	758,235	-2.3%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>FX Futures</b>								
AD/CD CROSS RATES	139	74	87.8%	217	-35.9%	982	300	227.3%
AD/JY CROSS RATES	2,659	3,883	-31.5%	2,605	2.1%	52,723	30,255	74.3%
AD/NE CROSS RATES	7,906	349	2,165.3%	1,791	341.4%	70,830	4,030	1,657.6%
AUSTRALIAN DOLLAR	2,040,515	2,112,336	-3.4%	2,139,692	-4.6%	25,495,794	24,590,713	3.7%
BP/JY CROSS RATES	8,690	4,226	105.6%	2,724	219.0%	64,940	34,547	88.0%
BP/SF CROSS RATES	4,176	5,807	-28.1%	1,231	239.2%	36,244	17,832	103.3%
BRAZIL REAL	267,537	269,910	-0.9%	376,068	-28.9%	3,859,204	3,012,135	28.1%
BRITISH POUND	2,410,863	2,479,942	-2.8%	2,388,517	0.9%	31,235,384	24,246,009	28.8%
CANADIAN DOLLAR	1,899,517	1,895,848	0.2%	1,791,405	6.0%	22,767,637	20,102,474	13.3%
CD/JY CROSS RATES	81	52	55.8%	29	179.3%	803	3,359	-76.1%
CHINESE RENMINBI (CNH)	40,239	21,882	83.9%	44,931	-10.4%	384,203	203,063	89.2%
CZECK KORUNA (EC)	0	0	0.0%	0	0.0%	41	8	412.5%
CZECK KORUNA (US)	183	0	0.0%	166	10.2%	846	12	6,950.0%
EC/AD CROSS RATES	8,550	8,477	0.9%	3,803	124.8%	71,083	63,531	11.9%
EC/CD CROSS RATES	18,060	19,136	-5.6%	4,340	316.1%	107,318	94,179	14.0%
EC/NOK CROSS RATES	1,812	1,161	56.1%	1,005	80.3%	26,441	10,286	157.1%
EC/SEK CROSS RATES	7,387	2,622	181.7%	1,517	386.9%	42,468	9,362	353.6%
EFX/BP CROSS RATES	139,961	128,563	8.9%	67,006	108.9%	1,190,445	750,473	58.6%
EFX/JY CROSS RATES	81,752	102,321	-20.1%	26,161	212.5%	692,678	594,148	16.6%
EFX/SF CROSS RATES	43,529	68,307	-36.3%	14,188	206.8%	482,719	348,642	38.5%
E-MICRO USD/CAD	159	900	-82.3%	76	109.2%	2,073	3,094	-33.0%
E-MICRO USD/CHF	108	111	-2.7%	27	300.0%	874	243	259.7%
E-MICRO USD/JPY	1,846	3,638	-49.3%	1,200	53.8%	154,207	11,592	1,230.3%
E-MINI EURO FX	202,467	133,692	51.4%	186,774	8.4%	1,910,593	1,437,820	32.9%
E-MINI JAPANESE YEN	12,508	5,184	141.3%	9,960	25.6%	144,164	106,465	35.4%
EURO FX	6,135,149	5,123,754	19.7%	4,687,285	30.9%	61,532,694	49,200,550	25.1%
HUNGARIAN FORINT (EC)	4	0	0.0%	0	0.0%	37	40	-7.5%
HUNGARIAN FORINT (US)	7	10	-30.0%	6	16.7%	55	187	-70.6%
INDIAN RUPEE	30,647	18,786	63.1%	33,326	-8.0%	334,048	179,815	85.8%
JAPANESE YEN	3,543,641	2,377,560	49.0%	3,038,454	16.6%	39,570,152	27,101,037	46.0%
KOREAN WON	194	1,471	-86.8%	336	-42.3%	5,704	21,722	-73.7%
MEXICAN PESO	1,804,021	1,150,833	56.8%	1,221,719	47.7%	15,338,350	13,312,948	15.2%
MICRO AUD/USD	267,914	317,005	-15.5%	271,953	-1.5%	3,184,143	2,698,006	18.0%
MICRO CAD/USD	65,788	68,575	-4.1%	80,400	-18.2%	759,823	687,105	10.6%
MICRO CHF/USD	17,420	8,173	113.1%	15,839	10.0%	207,361	105,662	96.2%
MICRO EUR/USD	837,913	574,447	45.9%	873,666	-4.1%	9,634,442	5,958,190	61.7%
MICRO GBP/USD	100,832	109,113	-7.6%	126,339	-20.2%	1,480,028	1,025,415	44.3%
MICRO INR/USD	747	709	5.4%	764	-2.2%	8,554	18,981	-54.9%
MICRO JPY/USD	0	47,740	-100.0%	0	0.0%	101,719	480,037	-78.8%
MICRO USD/CNH	0	0	0.0%	0	0.0%	2	36	-94.4%
NEW ZEALND DOLLAR	662,394	549,990	20.4%	617,666	7.2%	7,878,897	7,032,914	12.0%
NKR/USD CROSS RATE	3,498	5,680	-38.4%	2,764	26.6%	42,627	65,392	-34.8%
POLISH ZLOTY (EC)	235	406	-42.1%	6	3,816.7%	1,464	1,846	-20.7%
POLISH ZLOTY (US)	2,070	2,229	-7.1%	2,389	-13.4%	20,039	12,274	63.3%
RMB USD	1	0	0.0%	0	0.0%	30	3	900.0%
RUSSIAN RUBLE	0	229,746	-100.0%	0	0.0%	587,309	1,517,159	-61.3%
S.AFRICAN RAND	91,440	96,552	-5.3%	70,391	29.9%	1,120,614	773,408	44.9%
SF/JY CROSS RATES	2,170	65	3,238.5%	1,528	42.0%	14,472	660	2,092.7%
SHEKEL	41	21	95.2%	6	583.3%	201	80	151.3%
SKR/USD CROSS RATES	13,937	6,264	122.5%	7,131	95.4%	97,553	69,750	39.9%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>FX Futures</b>								
SWISS FRANC	460,387	516,083	-10.8%	452,450	1.8%	6,393,987	5,984,781	6.8%
TURKISH LIRA	63	175	-64.0%	49	28.6%	573	1,066	-46.2%
USDZAR	0	6	-100.0%	0	0.0%	31	1,285	-97.6%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	53	209	-74.6%	89	-40.4%	1,901	6,832	-72.2%
AUD/USD MONDAY OPTION WEE	91	489	-81.4%	43	111.6%	3,395	5,115	-33.6%
AUD/USD MONDAY OPTION WEE	174	95	83.2%	417	-58.3%	3,011	4,732	-36.4%
AUD/USD MONDAY OPTION WEE	9	451	-98.0%	346	-97.4%	3,589	4,975	-27.9%
AUD/USD MONDAY OPTION WEE	1	0	0.0%	0	0.0%	1,364	2,356	-42.1%
AUD/USD MONTHLY OPTIONS	41,461	72,795	-43.0%	64,616	-35.8%	941,258	1,023,942	-8.1%
AUD/USD WKLY FRIDAY OPTION	114	0	0.0%	896	-87.3%	6,490	7,231	-10.2%
AUD/USD WKLY FRIDAY OPTION	1,006	2,353	-57.2%	2,043	-50.8%	18,955	22,702	-16.5%
AUD/USD WKLY FRIDAY OPTION	1,019	2,753	-63.0%	1,242	-18.0%	23,797	32,929	-27.7%
AUD/USD WKLY FRIDAY OPTION	1,114	1,557	-28.5%	1,128	-1.2%	20,558	35,587	-42.2%
AUD/USD WKLY FRIDAY OPTION	604	883	-31.6%	252	139.7%	6,656	10,020	-33.6%
AUD/USD WKLY WED OPTIONS -	102	329	-69.0%	50	104.0%	6,513	14,507	-55.1%
AUD/USD WKLY WED OPTIONS -	280	177	58.2%	1,003	-72.1%	5,954	8,667	-31.3%
AUD/USD WKLY WED OPTIONS -	621	464	33.8%	33	1,781.8%	2,811	3,603	-22.0%
AUD/USD WKLY WED OPTIONS -	132	786	-83.2%	849	-84.5%	5,716	10,371	-44.9%
AUD/USD WKLY WED OPTIONS -	0	269	-100.0%	380	-100.0%	958	2,254	-57.5%
BRL/USD MONTHLY OPTIONS	42	1,068	-96.1%	233	-82.0%	3,318	5,056	-34.4%
CAD/USD MONDAY OPTIONS WE	207	1,276	-83.8%	1,819	-88.6%	4,544	11,615	-60.9%
CAD/USD MONDAY OPTIONS WE	1,188	1,570	-24.3%	796	49.2%	12,696	17,998	-29.5%
CAD/USD MONDAY OPTIONS WE	201	394	-49.0%	1,403	-85.7%	11,650	11,076	5.2%
CAD/USD MONDAY OPTIONS WE	9	379	-97.6%	190	-95.3%	7,216	23,272	-69.0%
CAD/USD MONDAY OPTIONS WE	746	3	24,766.7%	0	0.0%	3,521	4,374	-19.5%
CAD/USD MONTHLY OPTIONS	61,315	107,459	-42.9%	107,771	-43.1%	1,081,277	983,511	9.9%
CAD/USD WKLY FRIDAY OPTION	167	0	0.0%	3,298	-94.9%	16,988	27,536	-38.3%
CAD/USD WKLY FRIDAY OPTION	1,179	3,278	-64.0%	2,638	-55.3%	38,503	57,780	-33.4%
CAD/USD WKLY FRIDAY OPTION	2,700	5,714	-52.7%	4,012	-32.7%	62,011	90,313	-31.3%
CAD/USD WKLY FRIDAY OPTION	2,640	4,777	-44.7%	3,096	-14.7%	55,173	105,493	-47.7%
CAD/USD WKLY FRIDAY OPTION	2,627	5,265	-50.1%	6	43,683.3%	15,531	33,712	-53.9%
CAD/USD WKLY WED OPTIONS -	501	1,400	-64.2%	746	-32.8%	11,411	24,681	-53.8%
CAD/USD WKLY WED OPTIONS -	218	760	-71.3%	783	-72.2%	13,026	21,174	-38.5%
CAD/USD WKLY WED OPTIONS -	766	3,184	-75.9%	459	66.9%	15,792	31,020	-49.1%
CAD/USD WKLY WED OPTIONS -	395	1,942	-79.7%	810	-51.2%	17,019	29,228	-41.8%
CAD/USD WKLY WED OPTIONS -	0	655	-100.0%	1,038	-100.0%	5,512	10,190	-45.9%
CHF/USD MONTHLY OPTIONS	4,079	21,661	-81.2%	4,756	-14.2%	66,284	82,630	-19.8%
CHF/USD WKLY FRIDAY OPTION	5	0	0.0%	166	-97.0%	1,160	411	182.2%
CHF/USD WKLY FRIDAY OPTION	172	272	-36.8%	36	377.8%	1,109	3,655	-69.7%
CHF/USD WKLY FRIDAY OPTION	57	99	-42.4%	249	-77.1%	1,353	2,064	-34.4%
CHF/USD WKLY FRIDAY OPTION	59	382	-84.6%	162	-63.6%	1,458	3,190	-54.3%
CHF/USD WKLY FRIDAY OPTION	8	22	-63.6%	83	-90.4%	208	307	-32.2%
EUR/GBP MONTHLY OPTIONS	100	0	0.0%	0	0.0%	3,804	6	63,300.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	100	-100.0%
EURODOLLARS	6,843	0	-	3,332	105.4%	13,685	0	-
EUR/USD MONDAY OPTION WEE	411	2,307	-82.2%	1,033	-60.2%	20,698	24,524	-15.6%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>FX Options</b>								
EUR/USD MONDAY OPTION WEE	2,847	2,814	1.2%	3,017	-5.6%	32,901	26,452	24.4%
EUR/USD MONDAY OPTION WEE	3,206	823	289.6%	1,962	63.4%	15,591	17,576	-11.3%
EUR/USD MONDAY OPTION WEE	872	917	-4.9%	638	36.7%	31,818	34,405	-7.5%
EUR/USD MONDAY OPTION WEE	720	51	1,311.8%	0	0.0%	5,742	9,145	-37.2%
EUR/USD MONTHLY OPTIONS	296,130	153,855	92.5%	403,635	-26.6%	3,459,785	2,407,836	43.7%
EUR/USD WKLY FRIDAY OPTION	831	0	0.0%	13,466	-93.8%	68,379	50,664	35.0%
EUR/USD WKLY FRIDAY OPTION	16,967	18,614	-8.8%	8,794	92.9%	166,846	178,341	-6.4%
EUR/USD WKLY FRIDAY OPTION	25,878	22,259	16.3%	19,159	35.1%	210,052	258,168	-18.6%
EUR/USD WKLY FRIDAY OPTION	9,407	19,446	-51.6%	12,419	-24.3%	208,203	225,328	-7.6%
EUR/USD WKLY FRIDAY OPTION	7,642	11,185	-31.7%	9	84,811.1%	66,672	97,121	-31.4%
EUR/USD WKLY WED OPTIONS -	4,290	3,092	38.7%	3,254	31.8%	75,503	78,209	-3.5%
EUR/USD WKLY WED OPTIONS -	4,618	5,931	-22.1%	5,111	-9.6%	65,950	85,652	-23.0%
EUR/USD WKLY WED OPTIONS -	4,624	4,360	6.1%	5,963	-22.5%	64,345	82,592	-22.1%
EUR/USD WKLY WED OPTIONS -	2,911	2,734	6.5%	5,767	-49.5%	76,426	103,414	-26.1%
EUR/USD WKLY WED OPTIONS -	0	2,023	-100.0%	3,037	-100.0%	24,484	27,415	-10.7%
GBP/USD MONDAY OPTION WEE	703	2,581	-72.8%	688	2.2%	6,680	8,020	-16.7%
GBP/USD MONDAY OPTION WEE	754	990	-23.8%	451	67.2%	11,917	8,967	32.9%
GBP/USD MONDAY OPTION WEE	997	250	298.8%	643	55.1%	4,823	6,229	-22.6%
GBP/USD MONDAY OPTION WEE	509	130	291.5%	483	5.4%	6,701	10,718	-37.5%
GBP/USD MONDAY OPTION WEE	418	0	0.0%	0	0.0%	3,739	3,038	23.1%
GBP/USD MONTHLY OPTIONS	62,936	58,829	7.0%	73,703	-14.6%	994,954	875,040	13.7%
GBP/USD WKLY FRIDAY OPTION	633	0	0.0%	1,615	-60.8%	11,381	12,507	-9.0%
GBP/USD WKLY FRIDAY OPTION	1,793	1,977	-9.3%	3,471	-48.3%	31,027	35,033	-11.4%
GBP/USD WKLY FRIDAY OPTION	3,573	2,559	39.6%	7,043	-49.3%	43,923	38,632	13.7%
GBP/USD WKLY FRIDAY OPTION	2,826	3,388	-16.6%	2,378	18.8%	36,015	45,014	-20.0%
GBP/USD WKLY FRIDAY OPTION	3,168	2,544	24.5%	492	543.9%	14,337	14,104	1.7%
GBP/USD WKLY WED OPTIONS -	1,927	1,669	15.5%	661	191.5%	16,016	15,158	5.7%
GBP/USD WKLY WED OPTIONS -	1,054	145	626.9%	509	107.1%	6,395	8,711	-26.6%
GBP/USD WKLY WED OPTIONS -	1,193	2,367	-49.6%	1,054	13.2%	12,606	11,794	6.9%
GBP/USD WKLY WED OPTIONS -	1,853	1,322	40.2%	803	130.8%	15,044	17,575	-14.4%
GBP/USD WKLY WED OPTIONS -	0	582	-100.0%	650	-100.0%	1,320	3,173	-58.4%
JPY/USD MONDAY OPTION WEE	329	169	94.7%	88	273.9%	7,111	4,642	53.2%
JPY/USD MONDAY OPTION WEE	161	1,452	-88.9%	1,563	-89.7%	10,039	7,599	32.1%
JPY/USD MONDAY OPTION WEE	175	40	337.5%	109	60.6%	3,260	4,140	-21.3%
JPY/USD MONDAY OPTION WEE	57	91	-37.4%	289	-80.3%	16,101	5,010	221.4%
JPY/USD MONDAY OPTION WEE	16	3	433.3%	0	0.0%	983	2,900	-66.1%
JPY/USD MONTHLY OPTIONS	73,449	116,215	-36.8%	81,572	-10.0%	1,637,503	1,089,099	50.4%
JPY/USD WKLY FRIDAY OPTION	831	0	0.0%	6,206	-86.6%	39,875	28,897	38.0%
JPY/USD WKLY FRIDAY OPTION	2,498	15,475	-83.9%	6,686	-62.6%	91,454	85,813	6.6%
JPY/USD WKLY FRIDAY OPTION	9,032	7,984	13.1%	11,494	-21.4%	139,140	120,853	15.1%
JPY/USD WKLY FRIDAY OPTION	6,142	8,378	-26.7%	3,909	57.1%	123,886	109,655	13.0%
JPY/USD WKLY FRIDAY OPTION	2,562	5,525	-53.6%	21	12,100.0%	41,344	42,522	-2.8%
JPY/USD WKLY WED OPTIONS -	7,824	2,634	197.0%	1,728	352.8%	50,147	36,929	35.8%
JPY/USD WKLY WED OPTIONS -	5,113	4,587	11.5%	3,165	61.5%	45,582	47,994	-5.0%
JPY/USD WKLY WED OPTIONS -	4,065	4,928	-17.5%	2,992	35.9%	39,425	46,867	-15.9%
JPY/USD WKLY WED OPTIONS -	2,044	3,139	-34.9%	2,101	-2.7%	50,792	42,073	20.7%
JPY/USD WKLY WED OPTIONS -	0	2,625	-100.0%	3,561	-100.0%	15,566	12,504	24.5%
MXN/USD MONTHLY OPTIONS	91	20,350	-99.6%	954	-90.5%	16,910	35,904	-52.9%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	17	904	-98.1%

\*\*\* 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.

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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>FX Options</b>								
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	100	-100.0%	100	552	-81.9%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	631	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD MONTHLY OPTIONS	7,004	13	53,776.9%	4	175,000.0%	30,740	2,661	1,055.2%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%	0	67	-100.0%
NZD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-	0	0	0.0%
RUB/USD MONTHLY OPTIONS	0	0	0.0%	0	0.0%	0	68	-100.0%
ZAR/USD MONTHLY OPTIONS	50	0	-	0	-	50	0	-
<b>Ags Futures</b>								
FERTILIZER PRODUCS	1,360	1,240	9.7%	2,363	-42.4%	32,431	44,108	-26.5%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	-	0	0.0%	24	0	-
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	8	6	33.3%	63	-87.3%	3,418	5,109	-33.1%
OTC AUDUSD SUB	712	0	-	0	-	712	0	-
OTC EURUSD SUB	974	0	-	0	-	974	0	-
OTC GBPUSD SUB	778	0	-	0	-	778	0	-
OTC USDCAD SUB	24	0	-	0	-	24	0	-
OTC USDJPY SUB	155	0	-	0	-	155	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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	238	857	-72.2%	189	25.9%	3,845	8,987	-57.2%
BUTTER CS	3,823	7,212	-47.0%	3,775	1.3%	50,317	52,208	-3.6%
CASH-SETTLED CHEESE	12,855	9,628	33.5%	9,198	39.8%	120,822	142,438	-15.2%
CAT ASIA WEATHER	0	0	0.0%	0	0.0%	0	1,200	-100.0%
CATTLE	895,754	955,280	-6.2%	1,213,876	-26.2%	14,151,387	13,943,086	1.5%
CAT WEATHER EUROPEAN	0	0	0.0%	0	0.0%	0	500	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	7,400	6,275	17.9%
CDD WEATHER	0	0	0.0%	0	0.0%	23,650	9,325	153.6%
CHI WHEAT	1,371,471	1,580,800	-13.2%	2,543,637	-46.1%	25,955,569	29,977,000	-13.4%
CLASS IV MILK	1,497	5,264	-71.6%	1,444	3.7%	28,903	23,260	24.3%
COFFEE	0	0	0.0%	0	0.0%	0	2	-100.0%
CORN	4,031,584	4,472,566	-9.9%	7,303,588	-44.8%	77,881,115	86,901,950	-10.4%
COTTON	0	0	0.0%	0	-	0	0	0.0%
DJ_UBS ROLL SELECT INDEX FU	27,893	20,681	34.9%	810	3,343.6%	108,406	55,680	94.7%
DOW-UBS COMMOD INDEX	130,450	110,053	18.5%	14,103	825.0%	756,526	654,112	15.7%
DOW-UBS COMMOD INDEX SWA	0	0	-	0	-	100	0	-
DRY WHEY	1,779	1,537	15.7%	669	165.9%	12,512	22,952	-45.5%
FEEDER CATTLE	254,055	237,760	6.9%	279,193	-9.0%	3,359,554	3,067,931	9.5%
FERTILIZER PRODUCTS	0	0	0.0%	0	0.0%	0	0	0.0%
GOLDMAN SACHS	2,701	3,499	-22.8%	2,996	-9.8%	45,110	96,610	-53.3%
GSCI EXCESS RETURN FUT	100,260	117,324	-14.5%	528	18,888.6%	506,294	495,114	2.3%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	3,375	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	3,900	500	680.0%
HDD WEATHER	17,500	5,625	211.1%	4,875	259.0%	39,400	29,575	33.2%
HDD WEATHER EUROPEAN	1,100	500	120.0%	500	120.0%	9,425	11,850	-20.5%
HOGS	802,222	752,654	6.6%	948,713	-15.4%	11,408,559	11,411,698	0.0%
HOUSING INDEX	12	14	-14.3%	17	-29.4%	185	166	11.4%
Intercommodity Spread	0	0	0.0%	0	-	0	0	0.0%
KC WHEAT	498,058	776,396	-35.9%	873,715	-43.0%	10,369,927	12,977,236	-20.1%
LUMBER	13,115	9,801	33.8%	8,409	56.0%	111,740	116,077	-3.7%
MALAYSIAN PALM SWAP	0	240	-100.0%	0	0.0%	0	90,186	-100.0%
MILK	27,903	31,501	-11.4%	26,407	5.7%	341,229	309,120	10.4%
MINI CORN	25,554	37,422	-31.7%	32,076	-20.3%	609,070	704,388	-13.5%
MINI SOYBEAN	46,323	45,549	1.7%	39,523	17.2%	690,335	662,726	4.2%
MINI WHEAT	17,930	20,532	-12.7%	25,922	-30.8%	324,206	251,067	29.1%
MLK MID OPTIONS	0	0	0.0%	0	0.0%	0	0	0.0%
NFD MILK	4,243	5,917	-28.3%	4,899	-13.4%	66,666	67,109	-0.7%
OATS	8,332	10,043	-17.0%	12,155	-31.5%	107,607	140,903	-23.6%
PACIFIC RIM DAT SS WTHR	0	0	0.0%	0	0.0%	0	1,000	-100.0%
PORK CUTOUT	1,275	2,172	-41.3%	1,489	-14.4%	24,136	28,554	-15.5%
ROUGH RICE	30,332	28,074	8.0%	18,447	64.4%	245,747	221,775	10.8%
SOYBEAN	4,708,146	4,790,014	-1.7%	3,523,928	33.6%	51,720,820	53,324,458	-3.0%
SOYBEAN MEAL	2,787,570	2,396,788	16.3%	2,633,308	5.9%	28,091,733	26,776,219	4.9%
SOYBEAN OIL	3,232,366	2,597,586	24.4%	3,003,425	7.6%	30,052,077	32,675,376	-8.0%
S&P GSCI ENHANCED ER SWAP	0	2,002	-100.0%	0	0.0%	0	8,008	-100.0%
SUGAR 11	0	0	0.0%	0	-	0	0	0.0%
USD CRUDE PALM OIL	15,802	17,780	-11.1%	15,935	-0.8%	251,301	123,250	103.9%
WHEAT	100	16,827	-99.4%	300	-66.7%	57,864	311,418	-81.4%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Options</b>								
AUG-NOV SOYBEAN CAL SPRD	0	0	0.0%	0	0.0%	212	0	0.0%
BLOCK CHEESE	124	40	210.0%	0	0.0%	2,639	3,169	-16.7%
BUTTER CS	2,201	3,495	-37.0%	2,225	-1.1%	20,391	25,410	-19.8%
CASH-SETTLED CHEESE	3,802	7,031	-45.9%	4,946	-23.1%	80,292	76,619	4.8%
CATTLE	240,896	167,579	43.8%	210,304	14.5%	2,595,920	2,301,386	12.8%
CDD SEASONAL STRIP	0	0	0.0%	0	0.0%	20,500	8,450	142.6%
CDD WEATHER	0	0	0.0%	0	0.0%	1,100	6,250	-82.4%
CHI WHEAT	379,943	445,452	-14.7%	555,618	-31.6%	7,071,733	5,830,447	21.3%
CLASS IV MILK	4,988	10,016	-50.2%	8,096	-38.4%	87,701	57,401	52.8%
CORN	1,173,122	1,384,234	-15.3%	1,904,311	-38.4%	30,046,881	31,648,268	-5.1%
CORN NEARBY+2 CAL SPRD	1,445	20,187	-92.8%	16,426	-91.2%	238,895	159,387	49.9%
DEC-DEC CORN CAL SPRD	0	0	0.0%	0	0.0%	0	3,717	-100.0%
DEC-JULY CORN CAL SPRD	0	0	0.0%	3,245	-100.0%	19,106	24,185	-21.0%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	-	0	0	0.0%
DRY WHEY	50	20	150.0%	0	0.0%	3,284	2,003	64.0%
FEEDER CATTLE	28,377	24,247	17.0%	29,902	-5.1%	420,603	267,836	57.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0.0%	6,750	2,000	237.5%
HDD SEASONAL STRIP	0	0	0.0%	0	0.0%	4,000	28,920	-86.2%
HDD WEATHER	6,000	0	0.0%	100	5,900.0%	18,900	7,250	160.7%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0.0%	2,000	24,250	-91.8%
HOGS	219,714	180,843	21.5%	183,582	19.7%	2,717,373	2,416,561	12.4%
HOUSING INDEX	0	0	0.0%	0	-	0	0	0.0%
Intercommodity Spread	0	0	0.0%	0	0.0%	0	271	-100.0%
JAN-MAR SOYBEAN CSO	0	0	0.0%	0	-	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	-	300	-100.0%	300	0	-
JULY-DEC CORN CAL SPRD	10,638	7,756	37.2%	15,032	-29.2%	105,190	47,861	119.8%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	0.0%	845	0	-
JULY-DEC SOY OIL CAL SPRD	500	0	0.0%	0	0.0%	500	0	0.0%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0.0%	3,700	100	3,600.0%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0.0%	2	0	0.0%
JULY-NOV SOYBEAN CAL SPRD	2,284	7,430	-69.3%	5,155	-55.7%	56,998	12,823	344.5%
KC WHEAT	35,561	118,007	-69.9%	47,219	-24.7%	809,048	929,323	-12.9%
LUMBER	108	689	-84.3%	206	-47.6%	4,424	8,337	-46.9%
LV CATL CSO	0	0	0.0%	0	-	0	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0.0%	0	0	0.0%
MAR-JULY CORN CAL SPRD	5,875	1,500	291.7%	8,840	-33.5%	45,320	5,790	682.7%
MAR-JULY SOYBEAN CAL SPRD	700	0	0.0%	0	0.0%	1,350	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	200	-100.0%	0	0.0%	150	900	-83.3%
MILK	21,136	38,913	-45.7%	36,026	-41.3%	295,901	325,271	-9.0%
MLK MID OPTIONS	1	4	-75.0%	1	0.0%	47	32	46.9%
NFD MILK	2,808	3,631	-22.7%	4,043	-30.5%	51,536	47,259	9.1%
NOV-JULY SOYBEAN CAL SPRD	0	0	0.0%	0	0.0%	5,260	0	0.0%
NOV-MAR SOYBEAN CSO	0	0	0.0%	0	0.0%	0	150	-100.0%
NOV-NOV SOYBEAN CAL SPRD	0	0	0.0%	0	-	0	0	0.0%
OATS	77	280	-72.5%	70	10.0%	2,075	4,184	-50.4%
PORK CUTOUT	0	0	0.0%	10	-100.0%	45	750	-94.0%
ROUGH RICE	2,355	1,603	46.9%	1,609	46.4%	21,291	13,296	60.1%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	0.0%	830	0	-
SOYBEAN	787,340	1,219,965	-35.5%	791,242	-0.5%	16,727,699	18,398,291	-9.1%
SOYBEAN CRUSH	0	25	-100.0%	5	-100.0%	170	1,257	-86.5%

\*\*\* 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.

## CMEG Exchange Volume Report - Monthly

	VOLUME DEC 2022	VOLUME DEC 2021	% CHG	VOLUME NOV 2022	% CHG	VOLUME Y.T.D 2022	VOLUME Y.T.D 2021	% CHG
<b>Ag Products Options</b>								
SOYBEAN MEAL	297,939	322,840	-7.7%	179,972	65.5%	2,822,485	2,897,158	-2.6%
SOYBEAN OIL	328,454	258,113	27.3%	329,525	-0.3%	3,080,045	3,404,656	-9.5%
SOYBN NEARBY+2 CAL SPRD	285	1,400	-79.6%	3,350	-91.5%	40,794	22,174	84.0%
SOYMEAL NEARBY+2 CAL SPRD	0	0	0.0%	0	0.0%	1,250	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	0	-	0	0.0%	1,250	0	-
WHEAT	1,111	322	245.0%	958	16.0%	4,490	12,178	-63.1%
WHEAT-CORN ICSCO	0	0	0.0%	0	0.0%	8,522	851	901.4%
WHEAT NEARBY+2 CAL SPRD	1,171	376	211.4%	170	588.8%	35,108	6,561	435.1%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	121,786,474	118,172,208	3.1%	198,237,417	-38.6%	2,140,630,031	1,818,532,041	17.7%
Equity Index Futures	121,514,796	126,770,220	-4.1%	119,149,441	2.0%	1,614,139,517	1,198,549,204	34.7%
Metals Futures	7,459,407	6,657,470	12.0%	11,742,328	-36.5%	115,266,204	125,043,244	-7.8%
Energy Futures	33,144,983	36,475,145	-9.1%	34,793,519	-4.7%	448,015,792	489,838,475	-8.5%
FX Futures	21,241,157	18,473,814	15.0%	18,569,900	14.4%	237,109,603	191,924,921	23.5%
Ags Futures	1,360	1,240	9.7%	2,363	-42.4%	32,431	44,108	-26.5%
Foreign Exchange Futures	0	0	-	0	0.0%	24	0	-
Ag Products Futures	19,072,243	19,069,898	0.0%	22,548,049	-15.4%	257,540,812	275,701,289	-6.6%
<b>TOTAL FUTURES</b>	<b>324,220,420</b>	<b>325,619,995</b>	<b>-0.4%</b>	<b>405,043,017</b>	<b>-20.0%</b>	<b>4,812,734,414</b>	<b>4,099,633,282</b>	<b>17.4%</b>
<b>TOTAL OPTIONS GROUP</b>								
Equity Index Options	24,684,175	22,991,056	7.4%	26,205,427	-5.8%	304,879,836	190,363,339	60.2%
Interest Rate Options	44,373,412	37,775,079	17.5%	50,184,814	-11.6%	574,751,205	499,913,469	15.0%
Metals Options	1,135,926	728,213	56.0%	1,399,575	-18.8%	15,415,024	13,063,634	18.0%
Energy Options	4,414,817	4,287,891	3.0%	5,251,115	-15.9%	60,372,771	61,401,307	-1.7%
FX Options	720,139	768,522	-6.3%	919,719	-21.7%	10,687,473	9,325,054	14.6%
Ag Products Options	3,559,005	4,226,198	-15.8%	4,342,488	-18.0%	67,484,905	69,032,982	-2.2%
Foreign Exchange Options	2,651	6	44,083.3%	63	4,107.9%	6,061	5,109	18.6%
<b>TOTAL OPTIONS</b>	<b>78,890,125</b>	<b>70,776,965</b>	<b>11.5%</b>	<b>88,303,201</b>	<b>-10.7%</b>	<b>1,033,597,275</b>	<b>843,104,894</b>	<b>22.6%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	166,159,886	155,947,287	6.5%	248,422,231	-33.1%	2,715,381,236	2,318,445,510	17.1%
Equity Index	146,198,971	149,761,276	-2.4%	145,354,868	0.6%	1,919,019,353	1,388,912,543	38.2%
Metals	8,595,333	7,385,683	16.4%	13,141,903	-34.6%	130,681,228	138,106,878	-5.4%
Energy	37,559,800	40,763,036	-7.9%	40,044,634	-6.2%	508,388,563	551,239,782	-7.8%
FX	21,961,296	19,242,336	14.1%	19,489,619	12.7%	247,797,076	201,249,975	23.1%
Ags	1,360	1,240	9.7%	2,363	-42.4%	32,431	44,108	-26.5%
Foreign Exchange	2,651	6	44,083.3%	63	4,107.9%	6,085	5,109	19.1%
Ag Products	22,631,248	23,296,096	-2.9%	26,890,537	-15.8%	325,025,717	344,734,271	-5.7%
<b>GRAND TOTAL</b>	<b>403,110,545</b>	<b>396,396,960</b>	<b>1.7%</b>	<b>493,346,218</b>	<b>-18.3%</b>	<b>5,846,331,689</b>	<b>4,942,738,176</b>	<b>18.3%</b>

\*\*\* 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.