

## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>Interest Rate Futures</b>					
10-YR Eris LIBOR	0	65,968	-100.0%	0	-
10-YR Eris SOFR	69,072	1,770	3,802.4%	66,533	3.8%
10-YR MAC LIBOR	0	15,847	-100.0%	0	-
10-YR MAC SOFR	0	0	-	0	-
10-YR NOTE	4,586,536	3,826,839	19.9%	4,691,536	-2.2%
10Y YIELD	3,359	2,167	55.0%	3,413	-1.6%
13-Week U.S. T-Bill Futures	4,030	0	-	3,771	6.9%
15-YR Eris LIBOR	0	0	-	0	-
1-MONTH EURODOLLAR	0	6,004	-100.0%	0	-
1-YR Eris BSBY	0	0	-	0	-
1-YR Eris SOFR	7,098	15,417	-54.0%	7,303	-2.8%
20-YR BOND	0	609	-100.0%	35	-100.0%
20-YR Eris LIBOR	0	0	-	0	-
2-YR Eris LIBOR	0	86,958	-100.0%	0	-
2-YR Eris SOFR	17,977	8,483	111.9%	17,708	1.5%
2-YR NOTE	4,168,394	2,120,649	96.6%	4,188,473	-0.5%
2Y YIELD	634	1,007	-37.0%	585	8.4%
30-Year UMBS TBA Futures - 2.5%	0	11	-100.0%	0	-
30-Year UMBS TBA Futures - 3.0%	213	11	1,836.4%	93	129.0%
30-Year UMBS TBA Futures - 3.5%	45	135	-66.7%	61	-26.2%
30-Year UMBS TBA Futures - 4.0%	295	25	1,080.0%	139	112.2%
30-Year UMBS TBA Futures - 4.5%	264	44	500.0%	175	50.9%
30-Year UMBS TBA Futures - 5.0%	478	49	875.5%	263	81.7%
30-Year UMBS TBA Futures - 5.5%	538	0	-	421	27.8%
30-Year UMBS TBA Futures - 6.0%	587	0	-	1,087	-46.0%
30-YR BOND	1,302,603	1,199,701	8.6%	1,377,938	-5.5%
30-YR Eris LIBOR	0	2,273	-100.0%	0	-
30-YR MAC LIBOR	0	0	-	0	-
30-YR SWAP RATE	2,273	0	-	2,273	0.0%
30Y YIELD	73	535	-86.4%	259	-71.8%
3-YR Eris BSBY	0	0	-	0	-
3-YR Eris LIBOR	0	29,418	-100.0%	0	-
3-YR Eris SOFR	12,240	12,154	0.7%	13,422	-8.8%
3-YR NOTE	11,480	5,522	107.9%	10,695	7.3%
4-YR Eris LIBOR	0	7,785	-100.0%	0	-
4-YR Eris SOFR	5,694	2,869	98.5%	5,885	-3.2%
5-YR Eris LIBOR	0	16,071	-100.0%	0	-
5-YR Eris SOFR	32,290	3,079	948.7%	29,123	10.9%
5-YR MAC LIBOR	0	8,196	-100.0%	0	-
5-YR MAC SOFR	0	0	-	0	-
5-YR NOTE	5,827,180	4,298,378	35.6%	5,746,137	1.4%
5Y YIELD	0	110	-100.0%	2	-100.0%
7-YR Eris LIBOR	0	20,395	-100.0%	0	-
7-YR Eris SOFR	15,951	916	1,641.4%	16,008	-0.4%
BSBY 3-MONTH FUTURES	3,020	15,046	-79.9%	2,982	1.3%
ESTR Basis Spread Futures	1,784	328	443.9%	909	96.3%
ESTR Futures	27,630	469	5,791.3%	21,611	27.9%
EURODOLLARS	0	7,255,847	-100.0%	0	-
FED FUND	1,927,350	1,646,700	17.0%	2,028,290	-5.0%
FTIIE	182	91	100.0%	232	-21.6%

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<b>Interest Rate Futures</b>					
SOFR	12,078,949	8,967,624	34.7%	11,557,491	4.5%
SONIA	2,213	7,073	-68.7%	2,206	0.3%
UBSBM	80	0	-	40	100.0%
Ultra 10-Year Note	2,007,447	1,395,661	43.8%	2,012,883	-0.3%
ULTRA T-BOND	1,613,180	1,447,608	11.4%	1,560,619	3.4%
<b>Interest Rate Options</b>					
10-YR NOTE	2,617,329	2,198,014	19.1%	2,759,025	-5.1%
2-YR NOTE	97,016	23,189	318.4%	291,263	-66.7%
30-YR BOND	414,131	355,488	16.5%	691,891	-40.1%
5-YR NOTE	814,563	869,958	-6.4%	1,173,294	-30.6%
EURODOLLARS	0	17,018,625	-100.0%	0	-
EURO MIDCURVE	0	2,916,801	-100.0%	0	-
FED FUND	0	4,001	-100.0%	0	-
SOFR	36,936,913	17,642,652	109.4%	33,082,601	11.7%
SOFR MIDCURVE	7,608,973	4,215,198	80.5%	6,840,934	11.2%
SOFR MISCURVE	0	0	-	0	-
Ultra 10-Year Note	2,266	25	8,964.0%	13,183	-82.8%
ULTRA 10-YEAR NOTE	0	0	-	0	-
ULTRA T-BOND	6,168	668	823.4%	11,065	-44.3%
<b>Equity Index Futures</b>					
AIR	451,973	290,562	55.6%	397,621	13.7%
BITCOIN	21,585	16,402	31.6%	19,603	10.1%
DJ US REAL ESTATE SECTOR	40,975	51,690	-20.7%	38,887	5.4%
E-mini (\$5) Dow	99,280	79,187	25.4%	103,936	-4.5%
E-mini FTSE China 50	0	0	0.0%	0	-
E-MINI MIDCAP	39,988	43,314	-7.7%	39,837	0.4%
E-MINI NASDAQ 100	286,362	256,803	11.5%	259,306	10.4%
E-MINI RUSSELL 1000	7,716	10,859	-28.9%	6,680	15.5%
E-MINI RUSSELL 1000 GROWTH	7,383	3,462	113.3%	6,547	12.8%
E-MINI RUSSELL 1000 VALUE	26,398	19,076	38.4%	20,252	30.3%
E-MINI RUSSELL 2000	557,395	483,060	15.4%	559,075	-0.3%
E-MINI S&P500	2,309,832	2,345,292	-1.5%	2,174,689	6.2%
E-MINI S&P500 ESG	16,614	14,775	12.4%	14,763	12.5%
ETHER	0	0	-	0	-
ETHER FUTURES	5,273	5,125	2.9%	4,127	27.8%
FT-SE 100	0	0	-	0	-
FTSE Emerging	0	0	-	0	-
IBOVESPA INDEX	12	16	-25.0%	12	0.0%
MICRO BITCOIN	10,244	11,733	-12.7%	7,862	30.3%
MICRO E-MINI NASDAQ 100	106,393	121,214	-12.2%	110,189	-3.4%
MICRO E-MINI RUSSELL 2000	22,965	24,794	-7.4%	23,021	-0.2%
MICRO E-MINI S&P500	156,854	217,108	-27.8%	184,925	-15.2%
MICRO ETHER	17,945	19,300	-7.0%	16,495	8.8%
MICRO MINI \$5 DOW	29,305	37,630	-22.1%	25,224	16.2%
NASDAQ-100 VOLATILITY	0	9	-100.0%	0	-

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<b>Equity Index Futures</b>					
NASDAQ BIOTECH SECTOR	9	259	-96.5%	9	0.0%
Nearby BTIC+	0	0	-	0	-
NIKKEI 225 (\$) STOCK	16,887	15,739	7.3%	14,806	14.1%
NIKKEI 225 (YEN) STOCK	63,517	48,409	31.2%	54,581	16.4%
PHLX SEMICONDUCTOR SECTO	1,773	237	648.1%	2,278	-22.2%
S&P 500	96,831	75,091	29.0%	87,037	11.3%
S&P 500 ANNUAL DIVIDEND IND	270,477	274,800	-1.6%	246,086	9.9%
S&P 500 QUARLY DIVIDEND IND	48,626	16,205	200.1%	43,161	12.7%
S&P 600 SMALLCAP EMINI	727	0	-	787	-7.6%
S&P BIOTECHNOLOGY SECTOR	548	500	9.6%	357	53.5%
S&P COMMUNICATION SERVICE	7,665	3,503	118.8%	7,791	-1.6%
S&P CONSUMER DISCRETIONAR	7,266	4,104	77.0%	6,797	6.9%
S&P CONSUMER STAPLES SECT	23,538	16,544	42.3%	21,899	7.5%
S&P ENERGY SECTOR	37,872	32,767	15.6%	29,770	27.2%
S&P FINANCIAL SECTOR	36,016	25,229	42.8%	35,731	0.8%
S&P HEALTH CARE SECTOR	13,187	15,297	-13.8%	12,792	3.1%
S&P INDUSTRIAL SECTOR	14,521	22,702	-36.0%	14,057	3.3%
S&P MATERIALS SECTOR	19,933	7,644	160.8%	19,853	0.4%
S&P OIL & GAS EXPLORATION A	576	112	414.3%	676	-14.8%
S&P REAL ESTATE SECTOR	7,380	6,058	21.8%	7,233	2.0%
S&P REGIONAL BANKS SECTOR	1,631	50	3,162.0%	1,649	-1.1%
S&P RETAIL SECTOR	451	60	651.7%	298	51.3%
S&P TECHNOLOGY SECTOR	14,784	11,507	28.5%	11,655	26.8%
S&P UTILITIES SECTOR	36,176	17,977	101.2%	34,539	4.7%
S&P VALUE INDEX FUTURES	0	0	-	0	-
TOPIX (USD)	10	1	900.0%	0	-
TOPIX (YEN)	74	155	-52.3%	38	94.7%
WATER INDEX FUTURES	6	1	500.0%	2	200.0%
<b>Equity Index Options</b>					
BITCOIN OPTIONS	7,616	6,263	21.6%	6,921	10.0%
DJIA	0	0	0.0%	0	0.0%
E-mini (\$5) Dow	131	2,079	-93.7%	175	-25.1%
E-MINI NASDAQ 100	231,108	178,747	29.3%	219,754	5.2%
E-MINI RUSSELL 2000	69,795	38,800	79.9%	35,609	96.0%
E-MINI S&P500	6,696,927	4,971,349	34.7%	6,077,948	10.2%
EOM S&P 500	0	0	-	0	-
ETHER OPTIONS	3,804	409	830.1%	3,872	-1.8%
EVENT CONTRACT S&P 500	0	0	-	0	0.0%
MICRO BITCOIN	7,920	2,920	171.2%	6,390	23.9%
MICRO E-MINI NASDAQ 100	7,853	6,071	29.4%	7,173	9.5%
Micro E-mini S&P 500	217,240	64,457	237.0%	140,813	54.3%
MICRO ETHER	44,859	54,039	-17.0%	16,100	178.6%
S&P 500	0	0	-	0	-

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<b>Metals Futures</b>					
ALUMINUM	64,150	60,821	5.5%	61,355	4.6%
COBALT METAL FUTURES	20,335	10,753	89.1%	19,330	5.2%
COMEX COPPER	176,907	149,642	18.2%	222,566	-20.5%
COMEX E-Mini GOLD	966	1,126	-14.2%	1,132	-14.7%
COMEX E-Mini SILVER	365	292	25.0%	426	-14.3%
COMEX GOLD	498,685	429,283	16.2%	475,808	4.8%
COMEX MINY COPPER	338	303	11.6%	378	-10.6%
COMEX SILVER	142,847	122,380	16.7%	126,549	12.9%
COPPER	12,581	14,795	-15.0%	11,912	5.6%
FERROUS PRODUCTS	4,341	8,228	-47.2%	4,091	6.1%
GOLD	918	1,025	-10.4%	417	120.1%
HOT ROLLED COIL STEEL FUTU	6,566	6,367	3.1%	6,405	2.5%
IRON ORE CHINA	832	2,020	-58.8%	1,158	-28.2%
LITHIUM CARBONATE FUTURES	0	0	-	0	-
METALS	12,606	361	3,392.0%	9,943	26.8%
MICRO GOLD	27,558	17,503	57.4%	31,025	-11.2%
MOLYBDENUM OXIDE FUTURES	535	0	-	600	-10.8%
NYMEX HOT ROLLED STEEL	21,277	25,197	-15.6%	17,963	18.4%
NYMEX PLATINUM	71,111	67,790	4.9%	74,768	-4.9%
PALLADIUM	19,809	7,568	161.7%	22,943	-13.7%
SILVER	6,924	7,872	-12.0%	8,664	-20.1%
URANIUM	1	800	-99.9%	1	0.0%
<b>Metals Options</b>					
ALUMINUM	491	214	129.4%	1,148	-57.2%
COMEX COPPER	66,389	71,740	-7.5%	92,678	-28.4%
COMEX GOLD	786,417	572,864	37.3%	969,523	-18.9%
COMEX SILVER	89,088	89,174	-0.1%	113,304	-21.4%
COPPER	5,270	756	597.1%	5,467	-3.6%
GOLD	51,341	29,824	72.1%	36,597	40.3%
IRON ORE CHINA	360	200	80.0%	360	0.0%
NYMEX HOT ROLLED STEEL	8,176	6,726	21.6%	7,975	2.5%
NYMEX PLATINUM	16,450	2,946	458.4%	13,020	26.3%
PALLADIUM	814	3	27,033.3%	1,126	-27.7%
SILVER	8,951	4,776	87.4%	7,358	21.6%
<b>Energy Futures</b>					
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	4,950	6,200	-20.2%	4,810	2.9%
ARGUS PROPAN FAR EST INDE	7,819	5,478	42.7%	8,048	-2.8%
ARGUS PROPAN(SAUDI ARAMC	2,663	2,040	30.5%	2,601	2.4%
BRENT BALMO SWAP	0	0	-	0	-
BRENT CALENDAR SWAP	20,783	36,409	-42.9%	22,440	-7.4%
BRENT FINANCIAL FUTURES	220	10	2,100.0%	220	0.0%
BRENT OIL LAST DAY	149,745	155,569	-3.7%	139,933	7.0%
CAR VINTAGE	15,382	27,696	-44.5%	21,959	-30.0%
CEU ENERGY	332	0	-	107	210.3%

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<b>Energy Futures</b>					
CHICAGO ETHANOL SWAP	35,606	25,765	38.2%	41,645	-14.5%
CHICAGO ULSD PL VS HO SPR	1,246	1,249	-0.2%	1,905	-34.6%
CHICAGO UNL GAS PL VS RBO	300	0	-	0	-
CONWAY NATURAL GASOLINE (	362	838	-56.8%	361	0.3%
CONWAY NORMAL BUTANE (OPI	2,811	1,384	103.1%	3,164	-11.2%
CONWAY PROPANE 5 DECIMALS	27,973	29,147	-4.0%	29,672	-5.7%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	0	0	-	300	-100.0%
CRUDE OIL OUTRIGHTS	278,541	140,628	98.1%	288,556	-3.5%
CRUDE OIL PHY	1,672,118	1,491,169	12.1%	1,693,175	-1.2%
CRUDE OIL SPRDS	214,934	135,351	58.8%	213,572	0.6%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	0	6,000	-100.0%	0	-
DATED TO FRONTLINE BRENT	370	2,270	-83.7%	555	-33.3%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRANSMISSION INC	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	1,300	500	160.0%	1,700	-23.5%
DUTCH TTF NATURAL GAS CAL	5,178	3,255	59.1%	9,087	-43.0%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,816	1,590	14.2%	1,872	-3.0%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	73	111	-34.2%	121	-39.7%
ETHANOL	0	0	-	0	-
ETHANOL SWAP	495	505	-2.0%	735	-32.7%
ETHANOL T2 FOB ROTT INCL DU	9,123	6,329	44.1%	8,588	6.2%
EURO 3.5% FUEL OIL RDAM B	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	0	3	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	60	442	-86.4%	90	-33.3%
EUROPE 1% FUEL OIL NWE CA	0	10	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	86	110	-21.8%	76	13.2%
EUROPEAN GASOIL (ICE)	244	1,593	-84.7%	266	-8.3%
EUROPEAN NAPHTHA BALMO	0	30	-100.0%	0	-
EUROPEAN NAPHTHA CRACK SP	7,078	3,417	107.1%	7,812	-9.4%
EUROPE DATED BRENT SWAP	0	0	-	0	-
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	1,648	695	137.1%	1,515	8.8%
EURO PROPANE CIF ARA SWA	2,865	3,167	-9.5%	2,955	-3.0%
FREIGHT MARKETS	1,057	1,543	-31.5%	387	173.1%
FUEL OIL CRACK VS ICE	6	189	-96.8%	9	-33.3%
FUEL OIL NWE CRACK VS ICE	20	30	-33.3%	30	-33.3%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	817	294	177.9%	967	-15.5%
GAS EURO-BOB OXY NWE BARG	6,077	5,526	10.0%	6,548	-7.2%
GASOIL 0.1CIF MED VS ICE	0	10	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	1	18	-94.4%	1	0.0%
GASOIL 10PPM VS ICE SWAP	12	12	0.0%	12	0.0%
GASOIL CALENDAR SWAP	66	140	-52.9%	59	11.9%

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<b>Energy Futures</b>					
GASOIL CRACK SPREAD CALEN	560	1,050	-46.7%	420	33.3%
GASOIL MINI CALENDAR SWAP	556	476	16.8%	499	11.4%
GERMAN POWER BASELOAD CA	0	36	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	4,936	5,739	-14.0%	5,597	-11.8%
GRP THREE UNL GS (PLT) VS	4,298	2,370	81.4%	4,751	-9.5%
GULF COAST 3% FUEL OIL BA	0	0	-	0	-
GULF COAST JET FUEL CLNDR	0	0	-	0	-
GULF COAST JET VS NYM 2 H	11,061	8,160	35.6%	13,097	-15.5%
GULF COAST NO.6 FUEL OIL	20,539	18,762	9.5%	19,095	7.6%
GULF COAST ULSD CALENDAR	1,878	1,581	18.8%	1,939	-3.1%
GULF COAST ULSD CRACK SPR	0	0	-	0	-
HEATING OIL BALMO CLNDR S	200	20	900.0%	79	153.2%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	301,140	270,983	11.1%	299,928	0.4%
HENRY HUB SWAP	395,178	427,739	-7.6%	402,862	-1.9%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-
HTG OIL	96	108	-11.1%	105	-8.6%
ICE BRENT DUBAI SWAP	0	580	-100.0%	75	-100.0%
ICE GASOIL BALMO SWAP	0	0	-	0	-
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL ICI4	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	5	4	25.0%	5	0.0%
JAPAN C&F NAPHTHA SWAP	528	312	69.2%	608	-13.2%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0	-
JET CIF NWE VS ICE	240	655	-63.4%	252	-4.8%
JET FUEL UP-DOWN BALMO CL	200	125	60.0%	1,325	-84.9%
JKM LNG Futures	0	1,141	-100.0%	30	-100.0%
LA CARB DIESEL (OPIS) SWA	291	311	-6.4%	240	21.3%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-
LA JET (OPIS) SWAP	450	75	500.0%	825	-45.5%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	354	1,598	-77.8%	411	-13.9%
LTD NAT GAS	365,049	360,363	1.3%	349,700	4.4%
MARS (ARGUS) VS WTI SWAP	0	250	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	3,540	11,759	-69.9%	4,427	-20.0%
MCCLOSKEY ARA ARGS COAL	5,967	8,108	-26.4%	6,300	-5.3%
MCCLOSKEY RCH BAY COAL	22	225	-90.2%	66	-66.7%
MGN1 SWAP FUT	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BR	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NW	291	340	-14.4%	309	-5.8%
MINY HTG OIL	2	1	100.0%	1	100.0%
MINY NATURAL GAS	9,189	6,932	32.6%	5,769	59.3%
MINY RBOB GAS	0	1	-100.0%	1	-100.0%
MINY WTI CRUDE OIL	4,951	7,233	-31.5%	4,532	9.2%
MJC FUT	60	0	-	60	0.0%
MNC FUT	1,446	2,265	-36.2%	1,347	7.3%
MONT BELVIEU ETHANE 5 DECI	52,627	45,580	15.5%	51,684	1.8%
MONT BELVIEU ETHANE OPIS B	600	1,176	-49.0%	1,230	-51.2%
MONT BELVIEU LDH PROPANE 5	155,959	139,788	11.6%	160,450	-2.8%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
MONT BELVIEU LDH PROPANE C	1,330	2,184	-39.1%	2,679	-50.4%
MONT BELVIEU NATURAL GASO	30,789	35,640	-13.6%	32,095	-4.1%
MONT BELVIEU NATURAL GASO	739	2,163	-65.8%	590	25.3%
MONT BELVIEU NORMAL BUTAN	62,578	56,718	10.3%	73,094	-14.4%
MONT BELVIEU NORMAL BUTAN	1,315	1,497	-12.2%	1,424	-7.7%
NATURAL GAS	176,410	186,607	-5.5%	170,862	3.2%
NATURAL GAS PEN SWP	128,213	179,168	-28.4%	127,608	0.5%
NATURAL GAS PHY	1,346,136	990,271	35.9%	1,186,140	13.5%
NEPOOL INTR HUB 5MW D AH	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-
NEW YORK ETHANOL SWAP	800	985	-18.8%	605	32.2%
NEW YORK HUB ZONE G PEAK	0	800	-100.0%	0	-
NEW YORK HUB ZONE J PEAK	0	0	-	0	-
N ILLINOIS HUB DAILY	0	0	-	0	-
NY1% VS GC SPREAD SWAP	0	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	10,731	9,910	8.3%	10,857	-1.2%
NY HARBOR LOW SULPUR GAS	0	100	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	0	175	-100.0%	0	-
NYH NO 2 CRACK SPREAD CAL	19,634	7,278	169.8%	20,359	-3.6%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	-
NY ULSD (ARGUS) VS HEATING	2,883	3,364	-14.3%	3,256	-11.5%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-
PETROCHEMICALS	12,667	11,326	11.8%	13,032	-2.8%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	27,017	21,443	26.0%	25,829	4.6%
PETRO CRK&SPRD EURO	1,756	2,306	-23.9%	1,956	-10.2%
PETROLEUM PRODUCTS	5,300	10,435	-49.2%	6,334	-16.3%
PETROLEUM PRODUCTS ASIA	1,145	995	15.1%	1,323	-13.5%
PETRO OUTRIGHT EURO	12,992	15,264	-14.9%	12,990	0.0%
PETRO OUTRIGHT NA	4,075	3,306	23.3%	5,651	-27.9%
PJM AD HUB 5MW REAL TIME	0	2,145	-100.0%	0	-
PJM DAILY	126	284	-55.6%	126	0.0%
PJM NI HUB 5MW REAL TIME	0	0	-	0	-
PJM WESTH RT OFF-PEAK	0	18,360	-100.0%	0	-
PJM WESTH RT PEAK	1,260	8,824	-85.7%	2,583	-51.2%
PLASTICS	5,156	4,041	27.6%	4,668	10.5%
PREMIUM UNLD 10P FOB MED	0	34	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) B	1,003	2,000	-49.9%	2,540	-60.5%
PROPANE NON-LDH MT. BEL (OF	55,180	37,868	45.7%	60,763	-9.2%
RBOB CALENDAR SWAP	12,302	17,558	-29.9%	14,275	-13.8%
RBOB CRACK SPREAD	7,554	8,032	-6.0%	8,216	-8.1%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	72	72	0.0%	78	-7.7%
RBOB GASOLINE BALMO CLNDR	215	9	2,288.9%	136	58.1%
RBOB PHY	335,983	247,782	35.6%	314,818	6.7%
RBOB VS HEATING OIL SWAP	70	350	-80.0%	105	-33.3%
SINGAPORE 180CST BALMO	0	1	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
SINGAPORE 380CST BALMO	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	369	59	525.4%	494	-25.3%
SINGAPORE FUEL 180CST CAL	12	3	300.0%	23	-47.8%
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	6	102	-94.1%	9	-33.3%
SINGAPORE GASOIL	303	471	-35.7%	320	-5.3%
SINGAPORE GASOIL CALENDAR	135	131	3.1%	132	2.3%
SINGAPORE GASOIL SWAP	154	262	-41.2%	348	-55.7%
SINGAPORE GASOIL VS ICE	374	2,933	-87.2%	561	-33.3%
SINGAPORE JET KERO GASOIL	362	2,504	-85.5%	543	-33.3%
SINGAPORE JET KEROSENE SW	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	64	0	-	100	-36.0%
TC2 ROTTERDAM TO USAC 37K	48	210	-77.1%	72	-33.3%
TC5 RAS TANURA TO YOKOHAM	20	186	-89.2%	30	-33.3%
TD3 MEG TO JAPAN 250K MT	1,390	2,350	-40.9%	1,455	-4.5%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	7,760	4,060	91.1%	2,324	233.9%
UP DOWN GC ULSD VS NMX HO	34,225	24,155	41.7%	33,348	2.6%
WTI-BRENT BULLET SWAP	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	169,067	120,636	40.1%	168,407	0.4%
WTI CALENDAR	160,651	157,311	2.1%	164,257	-2.2%
WTI MIDLAND CRUDE OIL	0	600	-100.0%	340	-100.0%
WTS (ARGUS) VS WTI SWAP	26,255	20,577	27.6%	27,565	-4.8%
WTS (ARGUS) VS WTI TRD MT	150	2,630	-94.3%	469	-68.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,996	1,650	81.6%	2,830	5.9%
BRENT CRUDE OIL 1 M CSO	9,575	18,800	-49.1%	10,000	-4.2%
BRENT OIL LAST DAY	14,076	55,553	-74.7%	15,337	-8.2%
COAL API2 INDEX	460	385	19.5%	460	0.0%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	172,875	128,325	34.7%	201,650	-14.3%
CRUDE OIL APO	225,559	155,367	45.2%	197,361	14.3%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0.0%
CRUDE OIL PHY	2,199,852	2,231,235	-1.4%	2,566,924	-14.3%
ELEC FINSETTLED	0	0	-	0	-
ETHANOL SWAP	6,206	3,571	73.8%	7,103	-12.6%
FREIGHT MARKETS	0	20	-100.0%	0	-
HEATING OIL CRK SPD AVG PRI	0	750	-100.0%	0	-
HEATING OIL PHY	16,815	13,493	24.6%	22,279	-24.5%
HENRY HUB FINANCIAL LAST	108,833	26,172	315.8%	106,271	2.4%
HO 1 MONTH CLNDR OPTIONS	5,050	600	741.7%	8,850	-42.9%
LLS CRUDE OIL	3,000	5,700	-47.4%	3,475	-13.7%
MCCLOSKEY ARA ARGS COAL	0	20	-100.0%	0	-
NATURAL GAS	419	150	179.3%	41	922.0%
NATURAL GAS 1 M CSO FIN	119,487	95,875	24.6%	125,453	-4.8%
NATURAL GAS 2 M CSO FIN	2,000	0	-	1,000	100.0%
NATURAL GAS 3 M CSO FIN	22,750	3,250	600.0%	3,000	658.3%
NATURAL GAS 5 M CSO FIN	2,000	2,000	0.0%	0	-
NATURAL GAS 6 M CSO FIN	1,350	18,375	-92.7%	350	285.7%
NATURAL GAS OPT	0	1,000	-100.0%	0	-
NATURAL GAS OPTION ON CALE	2,024	7,784	-74.0%	224	803.6%
NATURAL GAS PHY	3,075,378	2,913,219	5.6%	2,965,676	3.7%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	16,510	9,075	81.9%	14,839	11.3%
PETROCHEMICALS	1,305	3,517	-62.9%	1,446	-9.8%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	40	310	-87.1%	60	-33.3%
PJM WES HUB PEAK CAL MTH	0	180	-100.0%	0	-
PJM WES HUB PEAK LMP 50MW	0	0	-	0	-
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-
RBOB CALENDAR SWAP	36	324	-88.9%	72	-50.0%
RBOB PHY	1,234	4,772	-74.1%	380	224.7%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	0	-	0	0.0%
WTI-BRENT BULLET SWAP	152,640	153,150	-0.3%	144,715	5.5%
WTI CRUDE OIL 1 M CSO FI	162,910	137,000	18.9%	160,355	1.6%
<b>FX Futures</b>					
AD/CD CROSS RATES	0	28	-100.0%	0	-
AD/JY CROSS RATES	937	932	0.5%	656	42.8%
AD/NE CROSS RATES	2,950	8,223	-64.1%	9,499	-68.9%
AUSTRALIAN DOLLAR	196,266	160,181	22.5%	196,866	-0.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
BP/JY CROSS RATES	3,182	1,685	88.8%	2,167	46.8%
BP/SF CROSS RATES	2,233	2,936	-23.9%	2,024	10.3%
BRAZIL REAL	108,613	34,221	217.4%	67,068	61.9%
BRITISH POUND	215,947	226,793	-4.8%	229,991	-6.1%
CANADIAN DOLLAR	201,449	131,732	52.9%	198,528	1.5%
CD/JY CROSS RATES	40	53	-24.5%	45	-11.1%
CHILEAN PESO	0	0	-	0	-
CHINESE RENMINBI (CNH)	7,792	8,386	-7.1%	7,090	9.9%
CZECK KORUNA (EC)	0	0	-	0	-
CZECK KORUNA (US)	13	20	-35.0%	12	8.3%
EC/AD CROSS RATES	4,700	2,668	76.2%	4,617	1.8%
EC/CD CROSS RATES	4,178	3,871	7.9%	4,096	2.0%
EC/NOK CROSS RATES	1,972	3,386	-41.8%	1,661	18.7%
EC/SEK CROSS RATES	5,135	1,527	236.3%	5,135	0.0%
EFX/BP CROSS RATES	29,321	29,961	-2.1%	30,755	-4.7%
EFX/JY CROSS RATES	18,637	19,544	-4.6%	17,803	4.7%
EFX/SF CROSS RATES	18,208	11,430	59.3%	10,161	79.2%
E-MICRO USD/CAD	41	36	13.9%	43	-4.7%
E-MICRO USD/CHF	53	13	307.7%	47	12.8%
E-MICRO USD/JPY	326	118	176.3%	378	-13.8%
E-MINI EURO FX	10,186	13,916	-26.8%	9,993	1.9%
E-MINI JAPANESE YEN	2,120	4,731	-55.2%	1,801	17.7%
EURO FX	730,038	698,974	4.4%	694,962	5.0%
HUNGARIAN FORINT (EC)	5	1	400.0%	5	0.0%
HUNGARIAN FORINT (US)	134	5	2,580.0%	0	-
INDIAN RUPEE	1,351	1,222	10.6%	1,610	-16.1%
JAPANESE YEN	266,209	230,493	15.5%	277,272	-4.0%
KOREAN WON	221	156	41.7%	68	225.0%
MEXICAN PESO	255,365	305,563	-16.4%	199,078	28.3%
MICRO AUD/USD	6,965	5,559	25.3%	5,835	19.4%
MICRO CAD/USD	5,593	4,768	17.3%	5,296	5.6%
MICRO CHF/USD	3,465	2,172	59.5%	2,640	31.3%
MICRO EUR/USD	18,732	26,323	-28.8%	16,671	12.4%
MICRO GBP/USD	5,485	5,978	-8.2%	4,653	17.9%
MICRO INR/USD	4	25	-84.0%	5	-20.0%
MICRO JPY/USD	0	0	-	0	-
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	52,840	46,042	14.8%	57,676	-8.4%
NKR/USD CROSS RATE	1,428	641	122.8%	1,119	27.6%
POLISH ZLOTY (EC)	51	81	-37.0%	54	-5.6%
POLISH ZLOTY (US)	477	637	-25.1%	201	137.3%
RMB USD	0	0	-	0	-
RUSSIAN RUBLE	0	3	-100.0%	0	-
S.AFRICAN RAND	12,539	18,726	-33.0%	13,650	-8.1%
SF/JY CROSS RATES	1,725	1,598	7.9%	1,221	41.3%
SHEKEL	19	17	11.8%	95	-80.0%
SKR/USD CROSS RATES	1,201	2,622	-54.2%	966	24.3%
SWISS FRANC	58,611	39,879	47.0%	56,353	4.0%
TURKISH LIRA	52	26	100.0%	52	0.0%
USDZAR	10	0	-	25	-60.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Options</b>					
AUD/USD MONDAY OPTION WEE	64	26	146.2%	79	-19.0%
AUD/USD MONDAY OPTION WEE	22	1	2,100.0%	0	-
AUD/USD MONDAY OPTION WEE	12	0	-	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	0	0.0%
AUD/USD MONTHLY OPTIONS	59,453	62,024	-4.1%	51,893	14.6%
AUD/USD THURSDAY WKLY OPT	504	0	-	2	25,100.0%
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD TUESDAY WKLY OPT	5	0	-	55	-90.9%
AUD/USD TUESDAY WKLY OPT	1	0	-	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	0	0.0%
AUD/USD WKLY FRIDAY OPTION	977	763	28.0%	27	3,518.5%
AUD/USD WKLY FRIDAY OPTION	0	0	-	791	-100.0%
AUD/USD WKLY FRIDAY OPTION	1,099	605	81.7%	593	85.3%
AUD/USD WKLY FRIDAY OPTION	612	323	89.5%	599	2.2%
AUD/USD WKLY FRIDAY OPTION	711	252	182.1%	0	-
AUD/USD WKLY WED OPTIONS -	47	14	235.7%	33	42.4%
AUD/USD WKLY WED OPTIONS -	25	316	-92.1%	97	-74.2%
AUD/USD WKLY WED OPTIONS -	2	10	-80.0%	1	100.0%
AUD/USD WKLY WED OPTIONS -	0	0	-	1	-100.0%
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
BRL/USD MONTHLY OPTIONS	0	235	-100.0%	60	-100.0%
CAD/USD MONDAY OPTIONS WE	1,868	856	118.2%	26	7,084.6%
CAD/USD MONDAY OPTIONS WE	918	126	628.6%	153	500.0%
CAD/USD MONDAY OPTIONS WE	1,448	0	-	4	36,100.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONDAY OPTIONS WE	0	0	-	0	0.0%
CAD/USD MONTHLY OPTIONS	76,749	214,745	-64.3%	83,978	-8.6%
CAD/USD THURSDAY WKLY OPT	128	0	-	482	-73.4%
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	124	0	-	877	-85.9%
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	0.0%
CAD/USD WKLY FRIDAY OPTION	3,526	3,097	13.9%	174	1,926.4%
CAD/USD WKLY FRIDAY OPTION	0	0	-	1,480	-100.0%
CAD/USD WKLY FRIDAY OPTION	1,426	1,274	11.9%	1,136	25.5%
CAD/USD WKLY FRIDAY OPTION	1,235	260	375.0%	788	56.7%
CAD/USD WKLY FRIDAY OPTION	379	4	9,375.0%	0	-
CAD/USD WKLY WED OPTIONS -	1,399	707	97.9%	797	75.5%
CAD/USD WKLY WED OPTIONS -	460	229	100.9%	367	25.3%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>FX Options</b>					
CAD/USD WKLY WED OPTIONS -	475	10	4,650.0%	203	134.0%
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
CHF/USD MONTHLY OPTIONS	17,200	13,131	31.0%	10,874	58.2%
CHF/USD WKLY FRIDAY OPTION	113	164	-31.1%	0	-
CHF/USD WKLY FRIDAY OPTION	0	0	-	43	-100.0%
CHF/USD WKLY FRIDAY OPTION	2,234	187	1,094.7%	691	223.3%
CHF/USD WKLY FRIDAY OPTION	2,161	139	1,454.7%	156	1,285.3%
CHF/USD WKLY FRIDAY OPTION	600	83	622.9%	0	-
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	655	142	361.3%	451	45.2%
EUR/USD MONDAY OPTION WEE	54	54	0.0%	1,252	-95.7%
EUR/USD MONDAY OPTION WEE	332	225	47.6%	211	57.3%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	0	0	-	0	0.0%
EUR/USD MONTHLY OPTIONS	313,815	351,823	-10.8%	303,322	3.5%
EUR/USD THURSDAY WKLY OPT	3,124	0	-	709	340.6%
EUR/USD THURSDAY WKLY OPT	0	0	-	2	-100.0%
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	953	0	-	69	1,281.2%
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	0.0%
EUR/USD WKLY FRIDAY OPTION	7,809	11,400	-31.5%	101	7,631.7%
EUR/USD WKLY FRIDAY OPTION	0	0	-	5,131	-100.0%
EUR/USD WKLY FRIDAY OPTION	2,537	5,228	-51.5%	9,132	-72.2%
EUR/USD WKLY FRIDAY OPTION	1,608	1,151	39.7%	2,028	-20.7%
EUR/USD WKLY FRIDAY OPTION	426	7	5,985.7%	0	-
EUR/USD WKLY WED OPTIONS -	4,350	2,810	54.8%	7,028	-38.1%
EUR/USD WKLY WED OPTIONS -	2,531	1,711	47.9%	2,155	17.4%
EUR/USD WKLY WED OPTIONS -	566	311	82.0%	222	155.0%
EUR/USD WKLY WED OPTIONS -	81	0	-	108	-25.0%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
EVENT CONTRACT EUR/USD	0	0	0.0%	0	0.0%
GBP/USD MONDAY OPTION WEE	286	0	0.0%	184	55.4%
GBP/USD MONDAY OPTION WEE	50	5	900.0%	1	4,900.0%
GBP/USD MONDAY OPTION WEE	15	0	-	2	650.0%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONDAY OPTION WEE	0	0	-	0	0.0%
GBP/USD MONTHLY OPTIONS	100,216	119,193	-15.9%	110,917	-9.6%
GBP/USD THURSDAY WKLY OPT	63	0	-	36	75.0%
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	17	0	-	85	-80.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>FX Options</b>					
GBP/USD TUESDAY WKLY OPT	5	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	0.0%
GBP/USD WKLY FRIDAY OPTION	1,112	1,342	-17.1%	68	1,535.3%
GBP/USD WKLY FRIDAY OPTION	0	0	-	1,631	-100.0%
GBP/USD WKLY FRIDAY OPTION	554	1,181	-53.1%	527	5.1%
GBP/USD WKLY FRIDAY OPTION	491	599	-18.0%	1,137	-56.8%
GBP/USD WKLY FRIDAY OPTION	606	492	23.2%	0	-
GBP/USD WKLY WED OPTIONS -	197	436	-54.8%	496	-60.3%
GBP/USD WKLY WED OPTIONS -	2	10	-80.0%	62	-96.8%
GBP/USD WKLY WED OPTIONS -	13	2	550.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
JPY/USD MONDAY OPTION WEE	1,439	44	3,170.5%	1,873	-23.2%
JPY/USD MONDAY OPTION WEE	538	510	5.5%	10	5,280.0%
JPY/USD MONDAY OPTION WEE	1,874	100	1,774.0%	3	62,366.7%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	0	0	-	0	0.0%
JPY/USD MONTHLY OPTIONS	158,587	134,418	18.0%	126,814	25.1%
JPY/USD THURSDAY WKLY OPT	157	0	-	281	-44.1%
JPY/USD THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	45	0	-	5	800.0%
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	0.0%
JPY/USD WKLY FRIDAY OPTION	4,565	5,735	-20.4%	14	32,507.1%
JPY/USD WKLY FRIDAY OPTION	0	0	-	6,784	-100.0%
JPY/USD WKLY FRIDAY OPTION	1,238	4,227	-70.7%	1,726	-28.3%
JPY/USD WKLY FRIDAY OPTION	2,245	410	447.6%	779	188.2%
JPY/USD WKLY FRIDAY OPTION	440	21	1,995.2%	0	-
JPY/USD WKLY WED OPTIONS -	2,360	1,594	48.1%	5,123	-53.9%
JPY/USD WKLY WED OPTIONS -	4,305	1,194	260.6%	1,586	171.4%
JPY/USD WKLY WED OPTIONS -	785	0	-	270	190.7%
JPY/USD WKLY WED OPTIONS -	0	0	-	110	-100.0%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
MXN/USD MONTHLY OPTIONS	7,100	2,277	211.8%	13,772	-48.4%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	100	-100.0%	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	85	9,767	-99.1%	87	-2.3%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
USD/CNH MONTHLY OPTIONS	820	0	-	770	6.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>FX Options</b>					
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	2,358	819	187.9%	2,778	-15.1%
BUTTER CS	8,245	9,896	-16.7%	9,917	-16.9%
CASH-SETTLED CHEESE	17,204	17,783	-3.3%	19,678	-12.6%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	270,676	293,182	-7.7%	283,440	-4.5%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	402,399	312,768	28.7%	460,210	-12.6%
CLASS IV MILK	7,651	11,981	-36.1%	7,799	-1.9%
COFFEE	0	0	-	0	-
CORN	1,254,035	1,219,163	2.9%	1,412,108	-11.2%
DJ_UBS ROLL SELECT INDEX FU	11,644	11,140	4.5%	11,601	0.4%
DOW-UBS COMMOD INDEX	66,477	57,673	15.3%	63,424	4.8%
DOW-UBS COMMOD INDEX SWA	60,512	0	-	60,512	0.0%
DRY WHEY	2,541	2,732	-7.0%	2,653	-4.2%
FEEDER CATTLE	50,271	49,320	1.9%	49,532	1.5%
FERTILIZER PRODUCS	2,148	3,007	-28.6%	1,770	21.4%
GOLDMAN SACHS	571	1,082	-47.2%	610	-6.4%
GSCI EXCESS RETURN FUT	36,381	48,307	-24.7%	35,583	2.2%
HDD EURO SEASONAL STRIP	0	2,375	-100.0%	0	-
HDD SEASONAL STRIP	0	3,900	-100.0%	0	-
HDD WEATHER	4,050	12,575	-67.8%	1,650	145.5%
HDD WEATHER EUROPEAN	3,525	4,050	-13.0%	250	1,310.0%
HOGS	188,400	192,554	-2.2%	194,624	-3.2%
HOUSING INDEX	82	58	41.4%	80	2.5%
KC WHEAT	206,012	143,450	43.6%	228,736	-9.9%
LUMBER	5,957	2,967	100.8%	8,972	-33.6%
MALAYSIAN PALM SWAP	0	0	-	0	-
MILK	22,992	26,376	-12.8%	23,427	-1.9%
MINI CORN	6,244	7,763	-19.6%	9,437	-33.8%
MINI SOYBEAN	15,378	15,402	-0.2%	9,787	57.1%
MINI WHEAT	2,838	2,326	22.0%	4,089	-30.6%
MLK MID OPTIONS	0	1	-100.0%	0	-
NFD MILK	8,614	10,417	-17.3%	9,224	-6.6%
OATS	3,566	3,266	9.2%	3,799	-6.1%
OTC SP GSCI ER SWAP	58,917	0	-	56,430	4.4%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-
PORK CUTOUT	378	680	-44.4%	340	11.2%
ROUGH RICE	12,331	8,474	45.5%	11,407	8.1%
SOYBEAN	740,009	642,175	15.2%	707,256	4.6%
SOYBEAN MEAL	533,221	377,030	41.4%	519,735	2.6%
SOYBEAN OIL	477,571	447,056	6.8%	491,302	-2.8%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-
USD CRUDE PALM OIL	43,411	45,678	-5.0%	44,917	-3.4%
WHEAT	800	1,300	-38.5%	1,025	-22.0%

### Ag Products Options

AUG-DEC SOYBEAN MEAL CSO	0	0	-	0	-
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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BLOCK CHEESE	2,496	409	510.3%	2,389	4.5%
BUTTER CS	3,661	4,920	-25.6%	7,381	-50.4%
CASH-SETTLED CHEESE	21,706	29,539	-26.5%	28,399	-23.6%
CATTLE	324,400	237,572	36.5%	276,889	17.2%
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	198,739	223,809	-11.2%	318,843	-37.7%
CLASS IV MILK	40,149	35,808	12.1%	39,323	2.1%
CORN	754,426	842,777	-10.5%	1,292,553	-41.6%
CORN NEARBY+2 CAL SPRD	6,108	38,197	-84.0%	16,952	-64.0%
DEC-DEC CORN CAL SPRD	0	0	-	2,479	-100.0%
DEC-JUL SOYBEAN MEAL CSO	0	0	-	210	-100.0%
DEC-JULY CORN CAL SPRD	0	0	-	11,886	-100.0%
DEC-JULY WHEAT CAL SPRD	0	0	-	80	-100.0%
DRY WHEY	2,024	1,810	11.8%	1,927	5.0%
FEEDER CATTLE	63,715	33,402	90.8%	62,758	1.5%
HDD EURO SEASONAL STRIP	28,000	6,750	314.8%	28,000	0.0%
HDD SEASONAL STRIP	58,500	4,000	1,362.5%	55,000	6.4%
HDD WEATHER	39,300	8,100	385.2%	26,300	49.4%
HDD WEATHER EUROPEAN	0	1,000	-100.0%	0	-
HOGS	350,726	243,532	44.0%	320,430	9.5%
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	300	-100.0%	0	-
JULY-DEC CORN CAL SPRD	7,054	17,954	-60.7%	6,929	1.8%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	6,468	7,258	-10.9%	5,767	12.2%
KC WHEAT	32,536	37,649	-13.6%	51,903	-37.3%
LUMBER	387	138	180.4%	392	-1.3%
LV CATL CSO	0	0	-	0	-
MAR-DEC CORN CAL SPRD	0	0	-	0	-
MAR-JULY CORN CAL SPRD	8,999	22,470	-60.0%	7,462	20.6%
MAR-JULY SOYBEAN CAL SPRD	1,000	650	53.8%	1,000	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	84,304	99,995	-15.7%	85,826	-1.8%
MLK MID OPTIONS	11	6	83.3%	10	10.0%
NFD MILK	17,824	11,926	49.5%	20,994	-15.1%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-
OATS	230	76	202.6%	875	-73.7%
PACIFIC RIM DAT SS WTHR	9,000	0	-	9,000	0.0%
PORK CUTOUT	0	10	-100.0%	0	-
ROUGH RICE	2,387	1,803	32.4%	896	166.4%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	530,483	365,030	45.3%	431,243	23.0%
SOYBEAN CRUSH	0	35	-100.0%	0	-
SOYBEAN MEAL	254,450	92,151	176.1%	236,915	7.4%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest NOV 2023	Open Interest NOV 2022	% CHG	Open Interest OCT 2023	% CHG
<b>Ag Products Options</b>					
SOYBEAN OIL	108,691	123,117	-11.7%	183,748	-40.8%
SOYBN NEARBY+2 CAL SPRD	9,904	5,195	90.6%	6,924	43.0%
SOYMEAL NEARBY+2 CAL SPRD	200	0	-	2,066	-90.3%
SOY OIL NEARBY+2 CAL SPRD	0	0	-	0	-
WHEAT	818	172	375.6%	245	233.9%
WHEAT-CORN ICSO	0	20	-100.0%	65	-100.0%
WHEAT NEARBY+2 CAL SPRD	366	750	-51.2%	1,096	-66.6%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	33,731,139	32,495,842	3.8%	33,370,601	1.1%
Equity Index Futures	4,934,973	4,646,362	6.2%	4,666,933	5.7%
Metals Futures	1,089,652	934,126	16.6%	1,097,434	-0.7%
Energy Futures	6,483,166	5,651,053	14.7%	6,359,661	1.9%
FX Futures	2,256,819	2,057,902	9.7%	2,139,943	5.5%
Ag Products Futures	4,527,409	3,988,726	13.5%	4,748,102	-4.6%
<b>TOTAL FUTURES</b>	<b>53,023,158</b>	<b>49,774,011</b>	<b>6.5%</b>	<b>52,382,674</b>	<b>1.2%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	48,497,359	45,244,619	7.2%	44,863,256	8.1%
Equity Index Options	7,287,253	5,325,134	36.8%	6,514,755	11.9%
Metals Options	1,033,747	779,223	32.7%	1,248,556	-17.2%
Energy Options	6,325,380	5,991,622	5.6%	6,560,151	-3.6%
FX Options	805,028	958,100	-16.0%	763,534	5.4%
Ag Products Options	2,969,062	2,498,330	18.8%	3,545,155	-16.3%
<b>TOTAL OPTIONS</b>	<b>66,917,829</b>	<b>60,797,028</b>	<b>10.1%</b>	<b>63,495,407</b>	<b>5.4%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	82,228,498	77,740,461	5.8%	78,233,857	5.1%
Equity Index	12,222,226	9,971,496	22.6%	11,181,688	9.3%
Metals	2,123,399	1,713,349	23.9%	2,345,990	-9.5%
Energy	12,808,546	11,642,675	10.0%	12,919,812	-0.9%
FX	3,061,847	3,016,002	1.5%	2,903,477	5.5%
Ag Products	7,496,471	6,487,056	15.6%	8,293,257	-9.6%
<b>GRAND TOTAL</b>	<b>119,940,987</b>	<b>110,571,039</b>	<b>8.5%</b>	<b>115,878,081</b>	<b>3.5%</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.