

## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Interest Rate Futures</b>					
10-YR Eris LIBOR	68,914	67,627	1.9%	66,291	4.0%
10-YR Eris SOFR	1,067	150	611.3%	1,436	-25.7%
10-YR MAC LIBOR	17,936	74,794	-76.0%	16,366	9.6%
10-YR MAC SOFR	0	0	-	0	-
10-YR NOTE	4,151,853	3,885,459	6.9%	3,834,230	8.3%
10Y YIELD	2,349	1,227	91.4%	2,227	5.5%
15-YR Eris LIBOR	0	1,500	-100.0%	0	-
1-MONTH EURODOLLAR	0	0	-	0	-
1-YR Eris BSBY	0	0	-	0	-
1-YR Eris SOFR	8,171	7,170	14.0%	8,240	-0.8%
20-YR BOND	346	0	-	285	21.4%
20-YR Eris LIBOR	0	0	-	0	-
2-YR Eris LIBOR	53,518	124,424	-57.0%	59,436	-10.0%
2-YR Eris SOFR	6,153	4,711	30.6%	4,303	43.0%
2-YR NOTE	2,428,703	2,267,480	7.1%	2,232,089	8.8%
2Y YIELD	865	172	402.9%	1,308	-33.9%
30-Year UMBS TBA Futures - 2.5%	20	0	-	20	0.0%
30-Year UMBS TBA Futures - 3.0%	37	0	-	27	37.0%
30-Year UMBS TBA Futures - 3.5%	34	0	-	52	-34.6%
30-Year UMBS TBA Futures - 4.0%	15	0	-	35	-57.1%
30-Year UMBS TBA Futures - 4.5%	73	0	-	33	121.2%
30-Year UMBS TBA Futures - 5.0%	89	0	-	47	89.4%
30-Year UMBS TBA Futures - 5.5%	30	0	-	20	50.0%
30-Year UMBS TBA Futures - 6.0%	13	0	-	0	-
30-YR BOND	1,226,430	1,195,324	2.6%	1,195,400	2.6%
30-YR Eris LIBOR	2,273	2,909	-21.9%	2,273	0.0%
30-YR MAC LIBOR	0	0	-	0	-
30Y YIELD	336	514	-34.6%	740	-54.6%
3-YR Eris BSBY	0	0	-	0	-
3-YR Eris LIBOR	22,500	68,312	-67.1%	23,495	-4.2%
3-YR Eris SOFR	7,159	2,813	154.5%	11,388	-37.1%
3-YR NOTE	7,546	22,892	-67.0%	6,807	10.9%
4-YR Eris LIBOR	7,568	16,479	-54.1%	7,481	1.2%
4-YR Eris SOFR	1,746	1,184	47.5%	2,541	-31.3%
5-YR Eris LIBOR	11,472	50,322	-77.2%	11,214	2.3%
5-YR Eris SOFR	2,985	859	247.5%	2,243	33.1%
5-YR MAC LIBOR	7,189	38,211	-81.2%	6,901	4.2%
5-YR NOTE	4,177,919	4,020,982	3.9%	4,220,610	-1.0%
5Y YIELD	37	475	-92.2%	15	146.7%
7-YR Eris LIBOR	20,405	22,120	-7.8%	19,730	3.4%
7-YR Eris SOFR	33	1	3,200.0%	543	-93.9%
BSBY 3-MONTH FUTURES	12,672	18,937	-33.1%	11,687	8.4%
ESTR Basis Spread Futures	314	0	-	302	4.0%
ESTR Futures	771	0	-	713	8.1%
EURODOLLARS	5,879,918	11,129,027	-47.2%	6,005,248	-2.1%
FED FUND	1,889,652	1,850,734	2.1%	1,563,528	20.9%
FTIIE	99	114	-13.2%	125	-20.8%
SOFR	9,787,810	3,037,570	222.2%	8,876,871	10.3%
SONIA	5,153	10,172	-49.3%	5,195	-0.8%
Ultra 10-Year Note	1,459,929	1,373,520	6.3%	1,416,049	3.1%

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<b>Interest Rate Futures</b>					
ULTRA T-BOND	1,448,157	1,285,331	12.7%	1,413,836	2.4%
<b>Interest Rate Options</b>					
10-YR NOTE	2,502,264	3,072,115	-18.5%	2,634,157	-5.0%
2-YR NOTE	134,729	29,391	358.4%	64,088	110.2%
30-YR BOND	424,988	484,847	-12.3%	384,387	10.6%
5-YR NOTE	1,061,437	1,248,696	-15.0%	881,685	20.4%
EURODOLLARS	8,948,006	22,706,552	-60.6%	10,055,360	-11.0%
EURO MIDCURVE	935,359	11,376,596	-91.8%	951,055	-1.7%
FED FUND	0	21	-100.0%	1	-100.0%
SOFR	28,120,046	153,732	18,191.6%	16,577,318	69.6%
SOFR MIDCURVE	5,841,535	50,547	11,456.6%	3,900,883	49.7%
SOFR MISCURVE	700	0	-	0	-
Ultra 10-Year Note	350	438	-20.1%	440	-20.5%
ULTRA T-BOND	699	1,202	-41.8%	952	-26.6%
<b>Equity Index Futures</b>					
BITCOIN	17,542	11,619	51.0%	15,790	11.1%
DJ US REAL ESTATE SECTOR	47,831	42,295	13.1%	49,943	-4.2%
E-mini (\$5) Dow	80,386	87,921	-8.6%	76,262	5.4%
E-mini FTSE China 50	22	4	450.0%	20	10.0%
E-MINI MIDCAP	42,576	46,063	-7.6%	42,365	0.5%
E-MINI NASDAQ 100	278,449	244,288	14.0%	241,661	15.2%
E-MINI RUSSELL 1000	12,753	16,388	-22.2%	6,924	84.2%
E-MINI RUSSELL 1000 GROWTH	3,485	4,129	-15.6%	3,118	11.8%
E-MINI RUSSELL 1000 VALUE	18,744	27,210	-31.1%	19,753	-5.1%
E-MINI RUSSELL 2000	440,101	490,750	-10.3%	445,587	-1.2%
E-MINI S&P500	2,061,419	2,330,363	-11.5%	2,014,429	2.3%
E-MINI S&P500 ESG	12,517	11,973	4.5%	11,064	13.1%
ETHER	0	0	-	0	-
ETHER FUTURES	4,331	4,218	2.7%	6,279	-31.0%
FT-SE 100	0	375	-100.0%	0	-
FTSE Emerging	0	0	-	0	-
IBOVESPA INDEX	23	18	27.8%	16	43.8%
MICRO BITCOIN	5,776	33,561	-82.8%	11,549	-50.0%
MICRO E-MINI NASDAQ 100	120,271	140,565	-14.4%	66,540	80.7%
MICRO E-MINI RUSSELL 2000	23,052	31,560	-27.0%	14,463	59.4%
MICRO E-MINI S&P500	178,587	165,455	7.9%	116,334	53.5%
MICRO ETHER	14,183	92,070	-84.6%	25,782	-45.0%
MICRO MINI \$5 DOW	22,201	29,171	-23.9%	20,737	7.1%
NASDAQ-100 VOLATILITY	1,695	70	2,321.4%	95	1,684.2%
NASDAQ BIOTECH SECTOR	399	60	565.0%	369	8.1%
Nearby BTIC+	0	50	-100.0%	0	-
NIKKEI 225 (\$) STOCK	14,330	15,401	-7.0%	11,577	23.8%
NIKKEI 225 (YEN) STOCK	36,496	52,754	-30.8%	36,820	-0.9%
PHLX SEMICONDUCTOR SECTO	72	0	-	119	-39.5%
S&P 500	316,092	255,242	23.8%	319,918	-1.2%

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<b>Equity Index Futures</b>					
S&P 500 ANNUAL DIVIDEND IND	180,848	203,418	-11.1%	185,018	-2.3%
S&P 500 QUARLY DIVIDEND IND	23,525	13,482	74.5%	17,037	38.1%
S&P BIOTECHNOLOGY SECTOR	477	0	-	482	-1.0%
S&P COMMUNICATION SERVICE	1,854	1,530	21.2%	1,706	8.7%
S&P CONSUMER DISCRETIONAR	2,986	4,845	-38.4%	3,460	-13.7%
S&P CONSUMER STAPLES SECT	15,378	19,846	-22.5%	18,395	-16.4%
S&P ENERGY SECTOR	23,741	34,222	-30.6%	26,074	-8.9%
S&P FINANCIAL SECTOR	26,505	27,794	-4.6%	22,844	16.0%
S&P HEALTH CARE SECTOR	13,640	20,692	-34.1%	12,189	11.9%
S&P INDUSTRIAL SECTOR	24,082	19,024	26.6%	13,295	81.1%
S&P MATERIALS SECTOR	6,088	15,353	-60.3%	5,995	1.6%
S&P OIL & GAS EXPLORATION A	62	0	-	50	24.0%
S&P REAL ESTATE SECTOR	18,530	9,012	105.6%	10,793	71.7%
S&P REGIONAL BANKS SECTOR	24	0	-	18	33.3%
S&P RETAIL SECTOR	59	0	-	15	293.3%
S&P TECHNOLOGY SECTOR	12,845	12,137	5.8%	11,770	9.1%
S&P UTILITIES SECTOR	21,558	15,228	41.6%	19,034	13.3%
S&P VALUE INDEX FUTURES	0	0	-	0	-
TOPIX (USD)	0	0	-	0	-
TOPIX (YEN)	108	170	-36.5%	52	107.7%
WATER INDEX FUTURES	4	66	-93.9%	4	0.0%
<b>Equity Index Options</b>					
BITCOIN OPTIONS	7,181	1,430	402.2%	8,138	-11.8%
DJIA	0	0	-	0	0.0%
E-mini (\$5) Dow	716	1,253	-42.9%	511	40.1%
E-MINI NASDAQ 100	171,606	170,709	0.5%	120,572	42.3%
E-mini Russell 2000	20,096	35,980	-44.1%	22,088	-9.0%
E-MINI RUSSELL 2000	14,317	30,130	-52.5%	5,120	179.6%
E-mini S&P 500	2,324,969	2,132,622	9.0%	2,163,362	7.5%
E-MINI S&P500	2,197,471	2,111,568	4.1%	1,733,039	26.8%
EOM S&P 500	0	0	-	0	-
ETHER OPTIONS	991	0	-	684	44.9%
MICRO BITCOIN	12,204	0	-	3,239	276.8%
Micro E-mini Nasdaq-100	3,173	4,891	-35.1%	2,847	11.5%
MICRO E-MINI NASDAQ 100	1,783	3,178	-43.9%	1,171	52.3%
Micro E-mini S&P 500	58,795	63,547	-7.5%	46,161	27.4%
MICRO ETHER	13,635	0	-	50,749	-73.1%
S&P 500	0	0	-	0	-

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<b>Metals Futures</b>					
ALUMINUM	60,234	56,387	6.8%	61,240	-1.6%
COBALT METAL FUTURES	16,970	1,594	964.6%	12,773	32.9%
COMEX COPPER	224,824	198,851	13.1%	161,634	39.1%
COMEX E-Mini GOLD	1,079	1,588	-32.1%	1,204	-10.4%
COMEX E-Mini SILVER	348	493	-29.4%	337	3.3%
COMEX GOLD	471,642	522,502	-9.7%	442,412	6.6%
COMEX MINY COPPER	399	414	-3.6%	297	34.3%
COMEX SILVER	138,263	150,633	-8.2%	129,798	6.5%
COPPER	19,759	16,187	22.1%	16,665	18.6%
FERROUS PRODUCTS	6,805	6,498	4.7%	8,011	-15.1%
GOLD	719	942	-23.7%	1,006	-28.5%
HOT ROLLED COIL STEEL FUTU	6,644	1,651	302.4%	7,125	-6.8%
IRON ORE CHINA	1,088	2,718	-60.0%	1,419	-23.3%
METALS	501	103	386.4%	484	3.5%
MICRO GOLD	22,736	22,722	0.1%	20,190	12.6%
NYMEX HOT ROLLED STEEL	23,138	38,213	-39.4%	21,916	5.6%
NYMEX PLATINUM	69,121	52,932	30.6%	67,817	1.9%
PALLADIUM	11,245	7,875	42.8%	8,314	35.3%
SILVER	7,335	6,392	14.8%	5,650	29.8%
URANIUM	800	800	0.0%	800	0.0%
<b>Metals Options</b>					
ALUMINUM	378	1,050	-64.0%	240	57.5%
COMEX COPPER	127,652	37,902	236.8%	82,599	54.5%
COMEX GOLD	665,990	651,857	2.2%	566,610	17.5%
COMEX SILVER	103,327	96,208	7.4%	83,271	24.1%
COPPER	881	57	1,445.6%	1,214	-27.4%
GOLD	37,560	19,751	90.2%	28,520	31.7%
IRON ORE CHINA	0	150	-100.0%	100	-100.0%
NYMEX HOT ROLLED STEEL	7,865	2,830	177.9%	5,550	41.7%
NYMEX PLATINUM	3,020	16,703	-81.9%	1,580	91.1%
PALLADIUM	516	331	55.9%	96	437.5%
SILVER	7,648	3,073	148.9%	5,872	30.2%
<b>Energy Futures</b>					
AEP-DAYTON HUB DAILY	0	10	-100.0%	10	-100.0%
ARGUS LLS VS. WTI (ARG) T	4,330	9,625	-55.0%	4,845	-10.6%
ARGUS PROPAN FAR EST INDE	6,162	5,189	18.8%	5,765	6.9%
ARGUS PROPAN(SAUDI ARAMC	2,202	1,943	13.3%	1,849	19.1%
BRENT BALMO SWAP	0	697	-100.0%	0	-
BRENT CALENDAR SWAP	34,746	27,331	27.1%	35,845	-3.1%
BRENT FINANCIAL FUTURES	260	0	-	250	4.0%
BRENT OIL LAST DAY	156,929	223,052	-29.6%	146,131	7.4%
CAR VINTAGE	25,982	13,839	87.7%	24,943	4.2%
CHICAGO ETHANOL SWAP	27,211	32,765	-17.0%	22,820	19.2%
CHICAGO ULSD PL VS HO SPR	1,260	685	83.9%	1,107	13.8%
CHICAGO UNL GAS PL VS RBO	0	75	-100.0%	0	-

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<b>Energy Futures</b>					
CONWAY NATURAL GASOLINE (	562	2,090	-73.1%	730	-23.0%
CONWAY NORMAL BUTANE (OPI	1,008	1,214	-17.0%	1,121	-10.1%
CONWAY PROPANE 5 DECIMALS	26,513	21,701	22.2%	29,551	-10.3%
CRUDE OIL	0	8	-100.0%	0	-
CRUDE OIL LAST DAY	3,000	0	-	3,300	-9.1%
CRUDE OIL OUTRIGHTS	162,920	137,778	18.2%	141,404	15.2%
CRUDE OIL PHY	1,767,416	2,108,169	-16.2%	1,458,528	21.2%
CRUDE OIL SPRDS	156,728	110,254	42.2%	138,154	13.4%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	0	4,800	-100.0%	7,200	-100.0%
DATED TO FRONTLINE BRENT	2,220	1,500	48.0%	2,245	-1.1%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRANSMISSION INC	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	0	1,000	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL	2,847	9,393	-69.7%	3,043	-6.4%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,711	1,591	7.5%	1,738	-1.6%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	93	0	-	51	82.4%
ETHANOL	0	10	-100.0%	0	-
ETHANOL SWAP	830	790	5.1%	685	21.2%
ETHANOL T2 FOB ROTT INCL DU	5,828	7,306	-20.2%	5,772	1.0%
EURO 3.5% FUEL OIL RDAM B	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	3	0	-	3	0.0%
EURO GASOIL 10PPM VS ICE	360	1,268	-71.6%	401	-10.2%
EUROPE 1% FUEL OIL NWE CA	0	60	-100.0%	5	-100.0%
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	85	270	-68.5%	99	-14.1%
EUROPEAN GASOIL (ICE)	1,449	2,637	-45.1%	1,572	-7.8%
EUROPEAN NAPHTHA BALMO	10	41	-75.6%	4	150.0%
EUROPEAN NAPHTHA CRACK SP	1,752	9,087	-80.7%	2,676	-34.5%
EUROPE DATED BRENT SWAP	0	11	-100.0%	0	-
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	881	1,327	-33.6%	864	2.0%
EURO PROPANE CIF ARA SWA	2,768	2,790	-0.8%	3,129	-11.5%
FREIGHT MARKETS	687	923	-25.6%	1,424	-51.8%
FUEL OIL CRACK VS ICE	39	1,447	-97.3%	114	-65.8%
FUEL OIL NWE CRACK VS ICE	0	108	-100.0%	15	-100.0%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	185	1,107	-83.3%	244	-24.2%
GAS EURO-BOB OXY NWE BARG	3,554	13,417	-73.5%	4,971	-28.5%
GASOIL 0.1CIF MED VS ICE	0	60	-100.0%	5	-100.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	10	91	-89.0%	14	-28.6%
GASOIL 10PPM VS ICE SWAP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	108	630	-82.9%	131	-17.6%
GASOIL CRACK SPREAD CALEN	108	4,938	-97.8%	579	-81.3%
GASOIL MINI CALENDAR SWAP	420	898	-53.2%	420	0.0%
GERMAN POWER BASELOAD CA	0	216	-100.0%	18	-100.0%

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<b>Energy Futures</b>					
GRP THREE ULSD(PLT)VS HEA	7,463	5,610	33.0%	6,354	17.5%
GRP THREE UNL GS (PLT) VS	5,345	4,690	14.0%	3,395	57.4%
GULF COAST 3% FUEL OIL BA	0	0	-	10	-100.0%
GULF COAST JET FUEL CLNDR	0	0	-	0	-
GULF COAST JET VS NYM 2 H	10,775	19,480	-44.7%	8,669	24.3%
GULF COAST NO.6 FUEL OIL	17,193	9,908	73.5%	17,739	-3.1%
GULF COAST ULSD CALENDAR	1,837	1,487	23.5%	1,790	2.6%
GULF COAST ULSD CRACK SPR	0	0	-	0	-
HEATING OIL BALMO CLNDR S	739	1,053	-29.8%	177	317.5%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	265,444	343,027	-22.6%	253,361	4.8%
HENRY HUB SWAP	436,516	582,343	-25.0%	441,816	-1.2%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-
HTG OIL	90	96	-6.3%	99	-9.1%
ICE BRENT DUBAI SWAP	120	2,298	-94.8%	345	-65.2%
ICE GASOIL BALMO SWAP	0	0	-	0	-
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL ICI4	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	0	6	-100.0%	2	-100.0%
JAPAN C&F NAPHTHA SWAP	363	206	76.2%	352	3.1%
JAPAN NAPHTHA BALMO SWAP	4	0	-	8	-50.0%
JET CIF NWE VS ICE	654	891	-26.6%	671	-2.5%
JET FUEL UP-DOWN BALMO CL	1,186	2,145	-44.7%	1,205	-1.6%
JKM LNG Futures	681	1,938	-64.9%	1,076	-36.7%
LA CARB DIESEL (OPIS) SWA	854	1,081	-21.0%	205	316.6%
LA CARBOB GASOLINE(OPIS)S	150	0	-	0	-
LA JET (OPIS) SWAP	975	1,610	-39.4%	775	25.8%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	1,504	3,078	-51.1%	1,631	-7.8%
LTD NAT GAS	375,145	469,619	-20.1%	379,835	-1.2%
MARS (ARGUS) VS WTI SWAP	0	700	-100.0%	125	-100.0%
MARS (ARGUS) VS WTI TRD M	17,630	20,795	-15.2%	11,142	58.2%
MCCLOSKEY ARA ARGS COAL	6,845	15,535	-55.9%	7,567	-9.5%
MCCLOSKEY RCH BAY COAL	136	1,242	-89.0%	235	-42.1%
MGN1 SWAP FUT	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	10	25	-60.0%	0	-
MINI RBOB V. EBOBARG NWE BF	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NW	463	665	-30.4%	608	-23.8%
MINY HTG OIL	0	0	0.0%	0	-
MINY NATURAL GAS	15,976	5,323	200.1%	9,789	63.2%
MINY RBOB GAS	5	2	150.0%	0	-
MINY WTI CRUDE OIL	3,094	4,300	-28.0%	4,643	-33.4%
MJC FUT	0	0	-	0	-
MNC FUT	2,398	2,218	8.1%	2,332	2.8%
MONT BELVIEU ETHANE 5 DECI	51,687	49,032	5.4%	43,620	18.5%
MONT BELVIEU ETHANE OPIS B	1,915	1,177	62.7%	730	162.3%
MONT BELVIEU LDH PROPANE 5	148,068	128,639	15.1%	145,524	1.7%
MONT BELVIEU LDH PROPANE C	1,774	3,543	-49.9%	2,324	-23.7%
MONT BELVIEU NATURAL GASO	38,383	35,703	7.5%	36,293	5.8%
MONT BELVIEU NATURAL GASO	1,393	1,035	34.6%	1,615	-13.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Energy Futures</b>					
MONT BELVIEU NORMAL BUTAN	45,735	50,274	-9.0%	51,783	-11.7%
MONT BELVIEU NORMAL BUTAN	1,270	1,824	-30.4%	1,388	-8.5%
NATURAL GAS	194,837	171,717	13.5%	185,771	4.9%
NATURAL GAS PEN SWP	162,771	195,600	-16.8%	169,089	-3.7%
NATURAL GAS PHY	1,146,709	1,160,988	-1.2%	1,015,931	12.9%
NEPOOL INTR HUB 5MW D AH	0	8,703	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-
NEW YORK ETHANOL SWAP	645	1,725	-62.6%	885	-27.1%
NEW YORK HUB ZONE G PEAK	0	775	-100.0%	275	-100.0%
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	9,014	7,876	14.4%	9,716	-7.2%
NY HARBOR LOW SULPUR GAS	0	600	-100.0%	50	-100.0%
NY HARBOR RESIDUAL FUEL 1	305	550	-44.5%	205	48.8%
NYH NO 2 CRACK SPREAD CAL	5,575	9,869	-43.5%	6,179	-9.8%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	0	5,350	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING	2,824	1,100	156.7%	2,880	-1.9%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-
PETROCHEMICALS	11,525	14,864	-22.5%	10,852	6.2%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	24,799	35,784	-30.7%	23,638	4.9%
PETRO CRK&SPRD EURO	1,728	3,211	-46.2%	1,963	-12.0%
PETROLEUM PRODUCTS	9,375	6,772	38.4%	9,917	-5.5%
PETROLEUM PRODUCTS ASIA	913	1,106	-17.5%	779	17.2%
PETRO OUTRIGHT EURO	15,228	22,187	-31.4%	14,313	6.4%
PETRO OUTRIGHT NA	3,009	5,547	-45.8%	4,663	-35.5%
PJM AD HUB 5MW REAL TIME	0	22,530	-100.0%	0	-
PJM DAILY	126	284	-55.6%	284	-55.6%
PJM NI HUB 5MW REAL TIME	0	0	-	0	-
PJM WESTH RT OFF-PEAK	0	192,240	-100.0%	0	-
PJM WESTH RT PEAK	14,679	39,070	-62.4%	16,002	-8.3%
PLASTICS	4,242	3,700	14.6%	4,064	4.4%
PREMIUM UNLD 10P FOB MED	0	180	-100.0%	17	-100.0%
PROPANE NON-LDH MB (OPIS) B	835	1,509	-44.7%	1,575	-47.0%
PROPANE NON-LDH MT. BEL (OF	38,384	49,471	-22.4%	39,497	-2.8%
RBOB CALENDAR SWAP	14,774	12,937	14.2%	13,531	9.2%
RBOB CRACK SPREAD	4,670	15,081	-69.0%	6,016	-22.4%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	60	70	-14.3%	66	-9.1%
RBOB GASOLINE BALMO CLNDR	1,545	2,374	-34.9%	302	411.6%
RBOB PHY	313,712	361,972	-13.3%	240,894	30.2%
RBOB VS HEATING OIL SWAP	330	315	4.8%	325	1.5%
SINGAPORE 180CST BALMO	3	0	-	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	204	492	-58.5%	106	92.5%
SINGAPORE FUEL 180CST CAL	9	0	-	9	0.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	120	0	-	102	17.6%
SINGAPORE GASOIL	597	1,279	-53.3%	588	1.5%
SINGAPORE GASOIL CALENDAR	27	600	-95.5%	101	-73.3%
SINGAPORE GASOIL SWAP	615	1,209	-49.1%	154	299.4%
SINGAPORE GASOIL VS ICE	2,349	5,419	-56.7%	2,641	-11.1%
SINGAPORE JET KERO GASOIL	2,106	3,933	-46.5%	2,305	-8.6%
SINGAPORE JET KEROSENE SW	0	685	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	75	1,742	-95.7%	50	50.0%
TC2 ROTTERDAM TO USAC 37K	150	249	-39.8%	150	0.0%
TC5 RAS TANURA TO YOKOHAM	120	300	-60.0%	153	-21.6%
TD3 MEG TO JAPAN 250K MT	2,040	5,241	-61.1%	2,040	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	7,314	6,515	12.3%	4,115	77.7%
UP DOWN GC ULSD VS NMX HO	27,917	46,916	-40.5%	24,924	12.0%
WTI-BRENT CALENDAR SWAP	106,617	98,188	8.6%	108,235	-1.5%
WTI CALENDAR	154,980	164,386	-5.7%	152,064	1.9%
WTI MIDLAND CRUDE OIL	500	200	150.0%	550	-9.1%
WTS (ARGUS) VS WTI SWAP	14,982	36,387	-58.8%	17,907	-16.3%
WTS (ARGUS) VS WTI TRD MT	2,085	8,350	-75.0%	2,335	-10.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,404	3,081	-22.0%	2,433	-1.2%
BRENT CRUDE OIL 1 M CSO	24,450	85,300	-71.3%	25,750	-5.0%
BRENT OIL LAST DAY	49,185	121,902	-59.7%	50,240	-2.1%
COAL API2 INDEX	115	180	-36.1%	100	15.0%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	152,075	276,612	-45.0%	124,150	22.5%
CRUDE OIL APO	153,177	280,906	-45.5%	145,802	5.1%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	0.0%
CRUDE OIL PHY	2,222,335	2,273,273	-2.2%	2,363,457	-6.0%
ELEC FINSETTLED	0	43	-100.0%	0	-
ETHANOL SWAP	3,409	7,331	-53.5%	2,418	41.0%
FREIGHT MARKETS	0	0	-	0	0.0%
HEATING OIL CRK SPD AVG PRI	0	3,050	-100.0%	0	0.0%
HEATING OIL PHY	13,753	26,077	-47.3%	12,587	9.3%
HENRY HUB FINANCIAL LAST	34,420	30,778	11.8%	28,877	19.2%
HO 1 MONTH CLNDR OPTIONS	1,125	200	462.5%	1,725	-34.8%
LLS CRUDE OIL	6,550	2,700	142.6%	5,225	25.4%
MCCLOSKEY ARA ARGS COAL	0	240	-100.0%	20	-100.0%
NATURAL GAS	0	0	0.0%	0	-
NATURAL GAS 1 M CSO FIN	100,121	176,653	-43.3%	99,667	0.5%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-
NATURAL GAS 3 M CSO FIN	7,325	17,250	-57.5%	3,550	106.3%
NATURAL GAS 5 M CSO FIN	2,000	8,081	-75.3%	2,000	0.0%
NATURAL GAS 6 M CSO FIN	34,275	41,450	-17.3%	23,875	43.6%
NATURAL GAS OPT	900	16,735	-94.6%	1,000	-10.0%
NATURAL GAS OPTION ON CALE	224	7,784	-97.1%	224	0.0%
NATURAL GAS PHY	3,067,683	2,397,359	28.0%	2,911,496	5.4%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	7,333	7,503	-2.3%	7,669	-4.4%
PETROCHEMICALS	3,641	8,717	-58.2%	3,895	-6.5%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	60	1,425	-95.8%	185	-67.6%
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	212	117	81.2%	250	-15.2%
RBOB PHY	3,573	7,986	-55.3%	3,475	2.8%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	50	0	0.0%	0	-
WTI-BRENT BULLET SWAP	139,225	192,925	-27.8%	146,125	-4.7%
WTI CRUDE OIL 1 M CSO FI	142,300	30,950	359.8%	150,425	-5.4%

### FX Futures

AD/CD CROSS RATES	53	20	165.0%	36	47.2%
AD/JY CROSS RATES	464	438	5.9%	389	19.3%
AD/NE CROSS RATES	3,106	105	2,858.1%	3,654	-15.0%
AUSTRALIAN DOLLAR	136,304	197,810	-31.1%	126,083	8.1%
BP/JY CROSS RATES	1,519	641	137.0%	1,706	-11.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
BP/SF CROSS RATES	2,708	1,653	63.8%	821	229.8%
BRAZIL REAL	72,096	70,953	1.6%	64,732	11.4%
BRITISH POUND	196,113	182,046	7.7%	201,881	-2.9%
CANADIAN DOLLAR	140,167	144,403	-2.9%	135,582	3.4%
CD/JY CROSS RATES	2	40	-95.0%	2	0.0%
CHINESE RENMINBI (CNH)	3,814	3,594	6.1%	8,937	-57.3%
CZECK KORUNA (EC)	2	3	-33.3%	0	-
CZECK KORUNA (US)	12	1	1,100.0%	16	-25.0%
EC/AD CROSS RATES	1,790	2,041	-12.3%	2,182	-18.0%
EC/CD CROSS RATES	4,348	4,046	7.5%	4,097	6.1%
EC/NOK CROSS RATES	1,369	682	100.7%	559	144.9%
EC/SEK CROSS RATES	5,379	667	706.4%	4,344	23.8%
EFX/BP CROSS RATES	31,806	32,980	-3.6%	31,678	0.4%
EFX/JY CROSS RATES	20,603	25,154	-18.1%	19,822	3.9%
EFX/SF CROSS RATES	15,369	19,821	-22.5%	12,253	25.4%
E-MICRO USD/CAD	86	39	120.5%	38	126.3%
E-MICRO USD/CHF	61	13	369.2%	15	306.7%
E-MICRO USD/JPY	179	124	44.4%	330	-45.8%
E-MINI EURO FX	15,545	17,091	-9.0%	12,180	27.6%
E-MINI JAPANESE YEN	994	394	152.3%	587	69.3%
EURO FX	796,738	684,616	16.4%	721,958	10.4%
HUNGARIAN FORINT (EC)	4	6	-33.3%	3	33.3%
HUNGARIAN FORINT (US)	3	0	-	0	-
INDIAN RUPEE	1,641	1,689	-2.8%	1,242	32.1%
JAPANESE YEN	168,540	197,221	-14.5%	169,327	-0.5%
KOREAN WON	114	523	-78.2%	74	54.1%
MEXICAN PESO	285,481	141,092	102.3%	241,316	18.3%
MICRO AUD/USD	6,140	6,543	-6.2%	4,161	47.6%
MICRO CAD/USD	3,826	3,651	4.8%	2,432	57.3%
MICRO CHF/USD	1,447	1,167	24.0%	1,564	-7.5%
MICRO EUR/USD	17,047	34,431	-50.5%	14,533	17.3%
MICRO GBP/USD	4,816	3,672	31.2%	3,301	45.9%
MICRO INR/USD	44	123	-64.2%	20	120.0%
MICRO JPY/USD	0	1,153	-100.0%	0	-
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	34,587	59,132	-41.5%	30,505	13.4%
NKR/USD CROSS RATE	865	1,372	-37.0%	931	-7.1%
POLISH ZLOTY (EC)	67	174	-61.5%	85	-21.2%
POLISH ZLOTY (US)	531	521	1.9%	572	-7.2%
RMB USD	4	1	300.0%	1	300.0%
RUSSIAN RUBLE	0	46,286	-100.0%	0	-
S.AFRICAN RAND	7,858	18,403	-57.3%	7,557	4.0%
SF/JY CROSS RATES	730	33	2,112.1%	747	-2.3%
SHEKEL	14	2	600.0%	14	0.0%
SKR/USD CROSS RATES	1,524	1,701	-10.4%	1,853	-17.8%
SWISS FRANC	38,345	44,145	-13.1%	31,943	20.0%
TURKISH LIRA	57	42	35.7%	57	0.0%
USDZAR	0	5	-100.0%	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	18	677	-97.3%	5	260.0%
AUD/USD MONDAY OPTION WEE	4	90	-95.6%	61	-93.4%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONDAY OPTION WEE	0	56	-100.0%	6	-100.0%
AUD/USD MONDAY OPTION WEE	0	0	0.0%	1	-100.0%
AUD/USD MONTHLY OPTIONS	39,113	239,615	-83.7%	31,909	22.6%
AUD/USD WKLY FRIDAY OPTION	0	0	-	0	-
AUD/USD WKLY FRIDAY OPTION	636	797	-20.2%	991	-35.8%
AUD/USD WKLY FRIDAY OPTION	566	957	-40.9%	324	74.7%
AUD/USD WKLY FRIDAY OPTION	558	1,163	-52.0%	303	84.2%
AUD/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
AUD/USD WKLY WED OPTIONS -	99	156	-36.5%	7	1,314.3%
AUD/USD WKLY WED OPTIONS -	14	464	-97.0%	0	-
AUD/USD WKLY WED OPTIONS -	4	52	-92.3%	2	100.0%
AUD/USD WKLY WED OPTIONS -	9	148	-93.9%	0	-
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
BRL/USD MONTHLY OPTIONS	29	391	-92.6%	25	16.0%
CAD/USD MONDAY OPTIONS WE	125	6	1,983.3%	1	12,400.0%
CAD/USD MONDAY OPTIONS WE	56	436	-87.2%	99	-43.4%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONDAY OPTIONS WE	1	255	-99.6%	8	-87.5%
CAD/USD MONDAY OPTIONS WE	0	0	0.0%	746	-100.0%
CAD/USD MONTHLY OPTIONS	193,591	185,555	4.3%	202,032	-4.2%
CAD/USD WKLY FRIDAY OPTION	0	0	-	0	-
CAD/USD WKLY FRIDAY OPTION	1,372	1,439	-4.7%	1,074	27.7%
CAD/USD WKLY FRIDAY OPTION	870	1,033	-15.8%	325	167.7%
CAD/USD WKLY FRIDAY OPTION	648	745	-13.0%	212	205.7%
CAD/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
CAD/USD WKLY WED OPTIONS -	978	429	128.0%	399	145.1%
CAD/USD WKLY WED OPTIONS -	110	689	-84.0%	149	-26.2%
CAD/USD WKLY WED OPTIONS -	160	242	-33.9%	151	6.0%
CAD/USD WKLY WED OPTIONS -	8	344	-97.7%	0	-
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CHF/USD MONTHLY OPTIONS	10,809	24,309	-55.5%	7,237	49.4%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-
CHF/USD WKLY FRIDAY OPTION	22	288	-92.4%	162	-86.4%
CHF/USD WKLY FRIDAY OPTION	14	1	1,300.0%	0	-
CHF/USD WKLY FRIDAY OPTION	1	294	-99.7%	2	-50.0%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
EUR/GBP MONTHLY OPTIONS	0	4	-100.0%	100	-100.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EURODOLLARS	0	0	-	0	0.0%
EUR/USD MONDAY OPTION WEE	565	437	29.3%	111	409.0%
EUR/USD MONDAY OPTION WEE	875	1,626	-46.2%	798	9.6%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	176	304	-42.1%	859	-79.5%
EUR/USD MONDAY OPTION WEE	0	0	0.0%	668	-100.0%
EUR/USD MONTHLY OPTIONS	337,949	185,627	82.1%	323,477	4.5%
EUR/USD WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD WKLY FRIDAY OPTION	3,452	7,999	-56.8%	16,276	-78.8%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>FX Options</b>					
EUR/USD WKLY FRIDAY OPTION	5,884	1,815	224.2%	276	2,031.9%
EUR/USD WKLY FRIDAY OPTION	599	1,752	-65.8%	239	150.6%
EUR/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
EUR/USD WKLY WED OPTIONS -	2,010	3,909	-48.6%	3,427	-41.3%
EUR/USD WKLY WED OPTIONS -	1,133	645	75.7%	2,210	-48.7%
EUR/USD WKLY WED OPTIONS -	530	73	626.0%	726	-27.0%
EUR/USD WKLY WED OPTIONS -	361	635	-43.1%	0	-
EUR/USD WKLY WED OPTIONS -	0	0	-	0	-
GBP/USD MONDAY OPTION WEE	1,144	165	593.3%	237	382.7%
GBP/USD MONDAY OPTION WEE	700	589	18.8%	664	5.4%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONDAY OPTION WEE	1	32	-96.9%	448	-99.8%
GBP/USD MONDAY OPTION WEE	0	0	0.0%	205	-100.0%
GBP/USD MONTHLY OPTIONS	101,959	96,264	5.9%	84,755	20.3%
GBP/USD WKLY FRIDAY OPTION	0	0	-	0	-
GBP/USD WKLY FRIDAY OPTION	1,415	1,545	-8.4%	1,604	-11.8%
GBP/USD WKLY FRIDAY OPTION	750	913	-17.9%	376	99.5%
GBP/USD WKLY FRIDAY OPTION	735	1,150	-36.1%	354	107.6%
GBP/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
GBP/USD WKLY WED OPTIONS -	459	1,425	-67.8%	389	18.0%
GBP/USD WKLY WED OPTIONS -	334	164	103.7%	172	94.2%
GBP/USD WKLY WED OPTIONS -	0	724	-100.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	32	-100.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	80	152	-47.4%	5	1,500.0%
JPY/USD MONDAY OPTION WEE	809	218	271.1%	129	527.1%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	187	5	3,640.0%	29	544.8%
JPY/USD MONDAY OPTION WEE	0	0	0.0%	15	-100.0%
JPY/USD MONTHLY OPTIONS	104,339	94,061	10.9%	86,970	20.0%
JPY/USD WKLY FRIDAY OPTION	0	0	-	0	-
JPY/USD WKLY FRIDAY OPTION	1,903	1,472	29.3%	2,396	-20.6%
JPY/USD WKLY FRIDAY OPTION	712	1,462	-51.3%	605	17.7%
JPY/USD WKLY FRIDAY OPTION	1,058	1,129	-6.3%	388	172.7%
JPY/USD WKLY FRIDAY OPTION	0	0	-	0	0.0%
JPY/USD WKLY WED OPTIONS -	2,133	1,766	20.8%	5,805	-63.3%
JPY/USD WKLY WED OPTIONS -	701	556	26.1%	1,523	-54.0%
JPY/USD WKLY WED OPTIONS -	68	2	3,300.0%	130	-47.7%
JPY/USD WKLY WED OPTIONS -	908	0	-	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
MXN/USD MONTHLY OPTIONS	1,424	21,131	-93.3%	1,280	11.3%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	30,830	29	106,210.3%	7,006	340.1%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
ZAR/USD MONTHLY OPTIONS	390	0	-	50	680.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	1	0	-	0	-
<b>Foreign Exchange Options</b>					
AUD/USD WKLY WED OPTIONS -	104	45	131.1%	2	5,100.0%
OTC AUDUSD SUB	9	0	-	10	-10.0%
OTC EURUSD SUB	75	0	-	724	-89.6%
OTC GBPUSD SUB	18	0	-	41	-56.1%
OTC USDCAD SUB	24	0	-	11	118.2%
OTC USDJPY SUB	3	0	-	8	-62.5%
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	2,998	4,655	-35.6%	2,823	6.2%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	692	2,269	-69.5%	746	-7.2%
BUTTER CS	9,581	11,058	-13.4%	9,725	-1.5%
CASH-SETTLED CHEESE	19,770	18,868	4.8%	17,942	10.2%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	313,206	331,289	-5.5%	328,402	-4.6%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	350,871	390,629	-10.2%	333,740	5.1%
CLASS IV MILK	8,196	14,687	-44.2%	10,051	-18.5%
COFFEE	0	0	-	0	-
CORN	1,298,164	1,556,572	-16.6%	1,215,498	6.8%
DJ_UBS ROLL SELECT INDEX FU	11,617	8,772	32.4%	12,211	-4.9%
DOW-UBS COMMOD INDEX	74,486	48,303	54.2%	56,013	33.0%
DRY WHEY	3,002	3,056	-1.8%	2,973	1.0%
FEEDER CATTLE	48,869	47,315	3.3%	43,896	11.3%
FERTILIZER PRODUCTS	0	0	-	0	-
GOLDMAN SACHS	1,120	1,496	-25.1%	1,069	4.8%
GSCI EXCESS RETURN FUT	44,635	57,872	-22.9%	44,434	0.5%
HDD EURO SEASONAL STRIP	2,375	0	-	2,375	0.0%
HDD SEASONAL STRIP	3,900	500	680.0%	3,900	0.0%
HDD WEATHER	16,650	7,200	131.3%	20,679	-19.5%
HDD WEATHER EUROPEAN	7,975	3,750	112.7%	2,825	182.3%
HOGS	215,162	252,739	-14.9%	187,529	14.7%
HOUSING INDEX	69	38	81.6%	64	7.8%
KC WHEAT	187,498	217,765	-13.9%	152,655	22.8%
LUMBER	3,041	2,412	26.1%	3,387	-10.2%
MALAYSIAN PALM SWAP	0	1,550	-100.0%	0	-
MILK	26,536	31,583	-16.0%	26,643	-0.4%
MINI CORN	10,904	13,347	-18.3%	8,944	21.9%
MINI SOYBEAN	19,215	23,797	-19.3%	14,509	32.4%
MINI WHEAT	2,945	4,039	-27.1%	2,876	2.4%
MLK MID OPTIONS	0	0	-	0	-
NFD MILK	10,144	10,301	-1.5%	9,958	1.9%
OATS	3,412	3,714	-8.1%	3,652	-6.6%
OTC SP GSCI ER SWAP	50	0	-	0	-
PACIFIC RIM DAT SS WTHR	0	1,000	-100.0%	0	-
PORK CUTOUT	433	1,100	-60.6%	296	46.3%
ROUGH RICE	7,696	8,113	-5.1%	7,325	5.1%
SOYBEAN	690,149	772,627	-10.7%	590,430	16.9%
SOYBEAN MEAL	425,993	407,543	4.5%	400,618	6.3%
SOYBEAN OIL	426,376	428,406	-0.5%	375,171	13.6%
S&P GSCI ENHANCED ER SWAP	0	1,001	-100.0%	0	-
USD CRUDE PALM OIL	48,017	50,970	-5.8%	45,733	5.0%
WHEAT	1,350	14,934	-91.0%	1,400	-3.6%

### Ag Products Options

AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BLOCK CHEESE	213	644	-66.9%	533	-60.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Ag Products Options</b>					
BUTTER CS	6,796	9,714	-30.0%	6,686	1.6%
CASH-SETTLED CHEESE	29,323	27,126	8.1%	31,949	-8.2%
CATTLE	245,388	186,186	31.8%	239,438	2.5%
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	272,722	334,147	-18.4%	227,949	19.6%
CLASS IV MILK	35,297	31,111	13.5%	37,836	-6.7%
CORN	1,106,009	1,235,334	-10.5%	877,467	26.0%
CORN NEARBY+2 CAL SPRD	50,597	55,317	-8.5%	38,390	31.8%
DEC-DEC CORN CAL SPRD	0	0	-	0	-
DEC-JULY CORN CAL SPRD	0	0	-	0	-
DRY WHEY	1,549	320	384.1%	1,832	-15.4%
FEEDER CATTLE	42,432	29,928	41.8%	39,599	7.2%
HDD EURO SEASONAL STRIP	6,750	2,000	237.5%	6,750	0.0%
HDD SEASONAL STRIP	4,000	23,920	-83.3%	4,000	0.0%
HDD WEATHER	26,700	1,800	1,383.3%	13,100	103.8%
HDD WEATHER EUROPEAN	10,000	0	-	1,000	900.0%
HOGS	249,870	243,659	2.5%	214,635	16.4%
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	19,992	13,289	50.4%	18,196	9.9%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-
JULY-DEC SOY OIL CAL SPRD	2,150	0	-	500	330.0%
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	13,453	8,071	66.7%	7,072	90.2%
KC WHEAT	50,262	91,404	-45.0%	39,578	27.0%
LUMBER	281	567	-50.4%	10	2,710.0%
LV CATL CSO	25	0	-	0	-
MAR-DEC CORN CAL SPRD	0	0	-	0	-
MAR-JULY CORN CAL SPRD	21,345	7,974	167.7%	20,830	2.5%
MAR-JULY SOYBEAN CAL SPRD	530	0	-	500	6.0%
MAR-JULY WHEAT CAL SPRD	0	1,050	-100.0%	0	-
MILK	105,533	99,448	6.1%	110,760	-4.7%
MLK MID OPTIONS	7	18	-61.1%	7	0.0%
NFD MILK	13,448	12,620	6.6%	13,183	2.0%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-
OATS	193	630	-69.4%	135	43.0%
PORK CUTOUT	2	0	-	0	-
ROUGH RICE	1,695	647	162.0%	1,964	-13.7%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	471,948	576,816	-18.2%	378,946	24.5%
SOYBEAN CRUSH	30	262	-88.5%	35	-14.3%
SOYBEAN MEAL	170,706	147,354	15.8%	123,947	37.7%
SOYBEAN OIL	124,053	142,830	-13.1%	102,809	20.7%
SOYBN NEARBY+2 CAL SPRD	3,551	0	-	0	-
SOYMEAL NEARBY+2 CAL SPRD	200	0	-	0	-
SOY OIL NEARBY+2 CAL SPRD	25	0	-	0	-
WHEAT	156	0	0.0%	76	105.3%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2023	Open Interest JAN 2022	% CHG	Open Interest DEC 2022	% CHG
<b>Ag Products Options</b>					
WHEAT-CORN ICSSO	20	0	-	20	0.0%
WHEAT NEARBY+2 CAL SPRD	3,078	500	515.6%	1,167	163.8%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	32,720,259	30,583,516	7.0%	31,031,380	5.4%
Equity Index Futures	4,125,647	4,530,392	-8.9%	3,905,745	5.6%
Metals Futures	1,083,650	1,089,495	-0.5%	969,092	11.8%
Energy Futures	6,172,433	7,274,887	-15.2%	5,591,228	10.4%
FX Futures	2,024,312	1,952,463	3.7%	1,866,120	8.5%
Foreign Exchange Futures	1	0	-	0	-
Ags Futures	2,998	4,655	-35.6%	2,823	6.2%
Ag Products Futures	4,294,099	4,750,615	-9.6%	3,937,669	9.1%
<b>TOTAL FUTURES</b>	<b>50,423,399</b>	<b>50,186,023</b>	<b>0.5%</b>	<b>47,304,057</b>	<b>6.6%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	47,970,113	39,124,137	22.6%	35,450,326	35.3%
Equity Index Options	4,826,937	4,555,308	6.0%	4,157,681	16.1%
Metals Options	954,837	829,912	15.1%	775,652	23.1%
Energy Options	6,171,920	6,026,788	2.4%	6,116,620	0.9%
FX Options	856,388	890,443	-3.8%	790,933	8.3%
Foreign Exchange Options	233	45	417.8%	796	-70.7%
Ag Products Options	3,090,329	3,284,686	-5.9%	2,560,899	20.7%
<b>TOTAL OPTIONS</b>	<b>63,870,757</b>	<b>54,711,319</b>	<b>16.7%</b>	<b>49,852,907</b>	<b>28.1%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	80,690,372	69,707,653	15.8%	66,481,706	21.4%
Equity Index	8,952,584	9,085,700	-1.5%	8,063,426	11.0%
Metals	2,038,487	1,919,407	6.2%	1,744,744	16.8%
Energy	12,344,353	13,301,675	-7.2%	11,707,848	5.4%
FX	2,880,700	2,842,906	1.3%	2,657,053	8.4%
Foreign Exchange	234	45	420.0%	796	-70.6%
Ags	2,998	4,655	-35.6%	2,823	6.2%
Ag Products	7,384,428	8,035,301	-8.1%	6,498,568	13.6%
<b>GRAND TOTAL</b>	<b>114,294,156</b>	<b>104,897,342</b>	<b>9.0%</b>	<b>97,156,964</b>	<b>17.6%</b>

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