

## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Interest Rate Futures</b>					
10-YR Eris LIBOR	55,250	63,663	-13.2%	55,290	-0.1%
10-YR Eris SOFR	19,457	0	-	17,983	8.2%
10-YR MAC LIBOR	7,520	12,074	-37.7%	6,947	8.2%
10-YR MAC SOFR	0	0	-	0	-
10-YR NOTE	4,698,984	3,470,808	35.4%	4,377,107	7.4%
10Y YIELD	7,012	2,190	220.2%	2,907	141.2%
15-YR Eris LIBOR	0	0	-	0	-
1-MONTH EURODOLLAR	0	60,509	-100.0%	1,000	-100.0%
1-YR Eris BSBY	0	0	-	0	-
1-YR Eris SOFR	13,907	6,257	122.3%	11,933	16.5%
20-YR BOND	139	755	-81.6%	281	-50.5%
20-YR Eris LIBOR	0	0	-	0	-
2-YR Eris LIBOR	3,298	161,471	-98.0%	3,461	-4.7%
2-YR Eris SOFR	18,522	1,473	1,157.4%	31,820	-41.8%
2-YR NOTE	3,206,198	2,219,497	44.5%	2,729,715	17.5%
2Y YIELD	729	123	492.7%	619	17.8%
30-Year UMBS TBA Futures - 2.5%	0	0	-	0	-
30-Year UMBS TBA Futures - 3.0%	32	0	-	26	23.1%
30-Year UMBS TBA Futures - 3.5%	30	0	-	64	-53.1%
30-Year UMBS TBA Futures - 4.0%	86	0	-	22	290.9%
30-Year UMBS TBA Futures - 4.5%	261	0	-	94	177.7%
30-Year UMBS TBA Futures - 5.0%	67	0	-	65	3.1%
30-Year UMBS TBA Futures - 5.5%	340	0	-	25	1,260.0%
30-Year UMBS TBA Futures - 6.0%	0	0	-	0	-
30-YR BOND	1,267,458	1,212,023	4.6%	1,183,910	7.1%
30-YR Eris LIBOR	2,273	2,273	0.0%	2,273	0.0%
30-YR MAC LIBOR	0	0	-	0	-
30Y YIELD	79	235	-66.4%	91	-13.2%
3-YR Eris BSBY	0	0	-	0	-
3-YR Eris LIBOR	13,795	49,952	-72.4%	14,050	-1.8%
3-YR Eris SOFR	3,672	1,137	223.0%	3,973	-7.6%
3-YR NOTE	9,289	8,726	6.5%	9,615	-3.4%
4-YR Eris LIBOR	6,108	18,216	-66.5%	6,108	0.0%
4-YR Eris SOFR	2,265	425	432.9%	2,134	6.1%
5-YR Eris LIBOR	3,816	28,538	-86.6%	3,816	0.0%
5-YR Eris SOFR	19,734	2,010	881.8%	20,788	-5.1%
5-YR MAC LIBOR	0	23,849	-100.0%	68	-100.0%
5-YR MAC SOFR	0	0	-	0	-
5-YR NOTE	4,847,273	3,804,715	27.4%	4,717,075	2.8%
5Y YIELD	20	237	-91.6%	0	-
7-YR Eris LIBOR	16,629	22,803	-27.1%	16,629	0.0%
7-YR Eris SOFR	1,079	152	609.9%	294	267.0%
BSBY 3-MONTH FUTURES	12,003	24,529	-51.1%	12,123	-1.0%
ESTR Basis Spread Futures	512	0	-	589	-13.1%
ESTR Futures	3,092	0	-	1,963	57.5%
EURODOLLARS	546,908	10,374,105	-94.7%	622,582	-12.2%
FED FUND	1,869,012	1,907,235	-2.0%	1,944,488	-3.9%
FTIIE	127	62	104.8%	147	-13.6%
SOFR	11,042,057	5,785,591	90.9%	10,532,890	4.8%
SONIA	4,241	8,789	-51.7%	4,241	0.0%

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<b>Interest Rate Futures</b>					
Ultra 10-Year Note	1,681,137	1,235,646	36.1%	1,624,714	3.5%
ULTRA T-BOND	1,477,266	1,288,891	14.6%	1,439,614	2.6%
<b>Interest Rate Options</b>					
10-YR NOTE	2,105,824	2,162,078	-2.6%	2,325,958	-9.5%
2-YR NOTE	163,784	8,384	1,853.5%	145,826	12.3%
30-YR BOND	464,457	423,401	9.7%	445,423	4.3%
5-YR NOTE	1,144,990	821,533	39.4%	1,281,353	-10.6%
EURODOLLARS	2,105,492	26,984,929	-92.2%	2,004,022	5.1%
EURO MIDCURVE	0	9,635,342	-100.0%	0	-
FED FUND	0	0	-	0	-
SOFR	36,505,454	3,322,741	998.7%	34,063,179	7.2%
SOFR MIDCURVE	6,263,805	780,124	702.9%	5,844,394	7.2%
SOFR MISCURVE	0	0	-	0	-
Ultra 10-Year Note	245	0	-	138	77.5%
ULTRA T-BOND	2,825	1,024	175.9%	1,644	71.8%

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<b>Equity Index Futures</b>					
S&P 500	441,620	307,004	43.8%	410,343	7.6%
S&P 500 ANNUAL DIVIDEND IND	206,860	222,486	-7.0%	200,037	3.4%
S&P 500 QUARLY DIVIDEND IND	41,632	10,801	285.4%	36,133	15.2%
S&P BIOTECHNOLOGY SECTOR	902	0	-	1,439	-37.3%
S&P COMMUNICATION SERVICE	8,310	2,495	233.1%	3,968	109.4%
S&P CONSUMER DISCRETIONAR	7,257	6,307	15.1%	4,816	50.7%
S&P CONSUMER STAPLES SECT	14,176	14,485	-2.1%	14,351	-1.2%
S&P ENERGY SECTOR	25,695	44,812	-42.7%	22,533	14.0%
S&P FINANCIAL SECTOR	30,751	26,908	14.3%	37,712	-18.5%
S&P HEALTH CARE SECTOR	18,412	20,540	-10.4%	22,172	-17.0%
S&P INDUSTRIAL SECTOR	17,844	12,022	48.4%	18,332	-2.7%
S&P MATERIALS SECTOR	5,157	7,634	-32.4%	5,509	-6.4%
S&P OIL & GAS EXPLORATION A	61	0	-	63	-3.2%
S&P REAL ESTATE SECTOR	6,832	7,430	-8.0%	6,971	-2.0%
S&P REGIONAL BANKS SECTOR	565	0	-	594	-4.9%
S&P RETAIL SECTOR	30	0	-	30	0.0%
S&P TECHNOLOGY SECTOR	13,360	12,414	7.6%	11,399	17.2%
S&P UTILITIES SECTOR	27,676	24,042	15.1%	24,064	15.0%
S&P VALUE INDEX FUTURES	0	0	-	0	-
TOPIX (USD)	0	0	-	0	-
TOPIX (YEN)	87	184	-52.7%	45	93.3%
WATER INDEX FUTURES	2	33	-93.9%	2	0.0%
<b>Equity Index Options</b>					
BITCOIN OPTIONS	7,808	2,235	249.4%	13,307	-41.3%
DJIA	0	0	-	0	0.0%
E-mini (\$5) Dow	591	1,856	-68.2%	324	82.4%
E-MINI NASDAQ 100	234,760	302,448	-22.4%	164,626	42.6%
E-MINI RUSSELL 2000	63,357	56,429	12.3%	49,452	28.1%
E-MINI S&P500	5,206,627	4,389,713	18.6%	5,023,186	3.7%
EOM S&P 500	0	0	-	0	-
ETHER OPTIONS	1,731	0	-	2,032	-14.8%
EVENT CONTRACT S&P 500	0	0	-	0	0.0%
MICRO BITCOIN	5,399	1,545	249.4%	6,301	-14.3%
MICRO E-MINI NASDAQ 100	11,497	6,010	91.3%	6,740	70.6%
Micro E-mini S&P 500	55,292	44,595	24.0%	50,025	10.5%
MICRO ETHER	18,208	1,310	1,289.9%	16,371	11.2%
S&P 500	0	0	-	0	-

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<b>Metals Futures</b>					
ALUMINUM	57,488	52,824	8.8%	58,805	-2.2%
COBALT METAL FUTURES	21,205	2,385	789.1%	20,559	3.1%
COMEX COPPER	225,332	189,923	18.6%	196,596	14.6%
COMEX E-Mini GOLD	1,033	1,446	-28.6%	1,084	-4.7%
COMEX E-Mini SILVER	446	468	-4.7%	337	32.3%
COMEX GOLD	445,179	513,722	-13.3%	475,817	-6.4%
COMEX MINY COPPER	423	373	13.4%	364	16.2%
COMEX SILVER	133,598	147,301	-9.3%	140,253	-4.7%
COPPER	18,215	14,885	22.4%	18,718	-2.7%
FERROUS PRODUCTS	5,122	6,406	-20.0%	5,919	-13.5%
GOLD	739	1,039	-28.9%	761	-2.9%
HOT ROLLED COIL STEEL FUTU	6,504	1,804	260.5%	6,680	-2.6%
IRON ORE CHINA	0	1,600	-100.0%	171	-100.0%
METALS	2,642	233	1,033.9%	2,494	5.9%
MICRO GOLD	27,422	22,959	19.4%	21,809	25.7%
NYMEX HOT ROLLED STEEL	29,307	24,575	19.3%	25,322	15.7%
NYMEX PLATINUM	69,102	67,964	1.7%	73,107	-5.5%
PALLADIUM	11,006	6,538	68.3%	12,521	-12.1%
SILVER	9,153	6,843	33.8%	8,626	6.1%
URANIUM	0	800	-100.0%	0	-
<b>Metals Options</b>					
ALUMINUM	846	0	-	481	75.9%
COMEX COPPER	88,420	65,009	36.0%	98,635	-10.4%
COMEX GOLD	789,744	696,174	13.4%	849,729	-7.1%
COMEX SILVER	120,599	106,313	13.4%	120,854	-0.2%
COPPER	919	253	263.2%	388	136.9%
GOLD	39,221	26,427	48.4%	30,952	26.7%
IRON ORE CHINA	0	0	-	0	-
NYMEX HOT ROLLED STEEL	8,405	3,156	166.3%	7,700	9.2%
NYMEX PLATINUM	34,812	13,133	165.1%	27,360	27.2%
PALLADIUM	1,337	2	66,750.0%	1,942	-31.2%
SILVER	9,516	2,807	239.0%	4,962	91.8%
<b>Energy Futures</b>					
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	6,695	10,990	-39.1%	7,315	-8.5%
ARGUS PROPAN FAR EST INDE	6,479	5,410	19.8%	6,159	5.2%
ARGUS PROPAN(SAUDI ARAMC	1,884	2,114	-10.9%	1,877	0.4%
BRENT BALMO SWAP	0	0	-	0	-
BRENT CALENDAR SWAP	28,984	41,650	-30.4%	29,809	-2.8%
BRENT FINANCIAL FUTURES	260	0	-	210	23.8%
BRENT OIL LAST DAY	151,157	181,699	-16.8%	144,631	4.5%
CAR VINTAGE	28,597	21,941	30.3%	31,652	-9.7%
CHICAGO ETHANOL SWAP	41,473	33,921	22.3%	36,496	13.6%
CHICAGO ULSD PL VS HO SPR	3,070	1,200	155.8%	2,615	17.4%
CHICAGO UNL GAS PL VS RBO	0	50	-100.0%	0	-

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<b>Energy Futures</b>					
CONWAY NATURAL GASOLINE (	419	2,359	-82.2%	444	-5.6%
CONWAY NORMAL BUTANE (OPI	816	984	-17.1%	571	42.9%
CONWAY PROPANE 5 DECIMALS	26,477	22,541	17.5%	22,665	16.8%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	1,800	0	-	2,100	-14.3%
CRUDE OIL OUTRIGHTS	234,048	152,274	53.7%	208,598	12.2%
CRUDE OIL PHY	1,947,334	1,802,901	8.0%	1,915,118	1.7%
CRUDE OIL SPRDS	207,913	134,627	54.4%	206,553	0.7%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	0	7,440	-100.0%	0	-
DATED TO FRONTLINE BRENT	1,480	2,420	-38.8%	1,665	-11.1%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRANSMISSION INC	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	0	500	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL	2,790	4,788	-41.7%	2,719	2.6%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,622	1,036	56.6%	1,774	-8.6%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	62	90	-31.1%	45	37.8%
ETHANOL	0	0	-	26	-100.0%
ETHANOL SWAP	775	675	14.8%	925	-16.2%
ETHANOL T2 FOB ROTT INCL DU	5,676	6,202	-8.5%	6,341	-10.5%
EURO 3.5% FUEL OIL RDAM B	39	0	-	0	-
EURO GASOIL 10 CAL SWAP	2	0	-	3	-33.3%
EURO GASOIL 10PPM VS ICE	240	774	-69.0%	270	-11.1%
EUROPE 1% FUEL OIL NWE CA	0	40	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	84	166	-49.4%	114	-26.3%
EUROPEAN GASOIL (ICE)	867	4,074	-78.7%	1,038	-16.5%
EUROPEAN NAPHTHA BALMO	23	20	15.0%	3	666.7%
EUROPEAN NAPHTHA CRACK SP	5,795	8,134	-28.8%	5,682	2.0%
EUROPE DATED BRENT SWAP	0	9	-100.0%	0	-
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	1,238	824	50.2%	1,178	5.1%
EURO PROPANE CIF ARA SWA	2,835	2,611	8.6%	2,790	1.6%
FREIGHT MARKETS	364	693	-47.5%	429	-15.2%
FUEL OIL CRACK VS ICE	27	714	-96.2%	30	-10.0%
FUEL OIL NWE CRACK VS ICE	30	75	-60.0%	30	0.0%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	519	603	-13.9%	573	-9.4%
GAS EURO-BOB OXY NWE BARG	3,855	9,074	-57.5%	4,210	-8.4%
GASOIL 0.1CIF MED VS ICE	0	40	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	0	62	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	84	338	-75.1%	85	-1.2%
GASOIL CRACK SPREAD CALEN	534	3,395	-84.3%	552	-3.3%
GASOIL MINI CALENDAR SWAP	451	1,125	-59.9%	441	2.3%
GERMAN POWER BASELOAD CA	0	144	-100.0%	0	-

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<b>Energy Futures</b>					
GRP THREE ULSD(PLT)VS HEA	9,162	7,955	15.2%	8,893	3.0%
GRP THREE UNL GS (PLT) VS	3,125	5,830	-46.4%	4,045	-22.7%
GULF COAST 3% FUEL OIL BA	0	90	-100.0%	0	-
GULF COAST JET FUEL CLNDR	0	0	-	0	-
GULF COAST JET VS NYM 2 H	18,527	12,831	44.4%	14,368	28.9%
GULF COAST NO.6 FUEL OIL	18,769	11,165	68.1%	18,041	4.0%
GULF COAST ULSD CALENDAR	1,694	921	83.9%	1,862	-9.0%
GULF COAST ULSD CRACK SPR	0	0	-	0	-
HEATING OIL BALMO CLNDR S	40	1,296	-96.9%	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	311,255	248,966	25.0%	280,370	11.0%
HENRY HUB SWAP	442,276	538,296	-17.8%	443,953	-0.4%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-
HTG OIL	102	90	13.3%	111	-8.1%
ICE BRENT DUBAI SWAP	210	1,620	-87.0%	180	16.7%
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	86	-100.0%	0	-
JAPAN C&F NAPHTHA SWAP	557	346	61.0%	458	21.6%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0	-
JET CIF NWE VS ICE	626	1,013	-38.2%	693	-9.7%
JET FUEL UP-DOWN BALMO CL	202	2,300	-91.2%	360	-43.9%
JKM LNG Futures	345	1,579	-78.2%	430	-19.8%
LA CARB DIESEL (OPIS) SWA	864	1,103	-21.7%	1,011	-14.5%
LA CARBOB GASOLINE(OPIS)S	100	0	-	150	-33.3%
LA JET (OPIS) SWAP	1,285	1,225	4.9%	1,000	28.5%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	696	2,360	-70.5%	753	-7.6%
LTD NAT GAS	378,961	433,923	-12.7%	383,702	-1.2%
MARS (ARGUS) VS WTI SWAP	0	700	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	11,065	26,000	-57.4%	11,765	-5.9%
MCCLOSKEY ARA ARGS COAL	6,263	11,347	-44.8%	6,299	-0.6%
MCCLOSKEY RCH BAY COAL	76	758	-90.0%	86	-11.6%
MGN1 SWAP FUT	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	0	0	-	0	-
MINI RBOB V. EBOBARG NWE BF	0	0	-	210	-100.0%
MINI RBOB V. EBOB(ARGUS) NW	485	933	-48.0%	300	61.7%
MINY HTG OIL	2	0	0.0%	0	0.0%
MINY NATURAL GAS	14,136	6,123	130.9%	11,281	25.3%
MINY RBOB GAS	2	0	0.0%	4	-50.0%
MINY WTI CRUDE OIL	4,857	3,882	25.1%	4,966	-2.2%
MJC FUT	0	0	-	0	-
MNC FUT	1,693	2,517	-32.7%	2,231	-24.1%
MONT BELVIEU ETHANE 5 DECI	54,134	51,742	4.6%	52,461	3.2%
MONT BELVIEU ETHANE OPIS B	70	1,040	-93.3%	680	-89.7%
MONT BELVIEU LDH PROPANE 5	154,890	119,641	29.5%	151,242	2.4%
MONT BELVIEU LDH PROPANE C	1,459	1,091	33.7%	1,531	-4.7%
MONT BELVIEU NATURAL GASO	30,703	37,467	-18.1%	32,070	-4.3%
MONT BELVIEU NATURAL GASO	1,893	1,509	25.4%	1,485	27.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Energy Futures</b>					
MONT BELVIEU NORMAL BUTAN	60,220	49,746	21.1%	48,030	25.4%
MONT BELVIEU NORMAL BUTAN	1,746	908	92.3%	1,112	57.0%
NATURAL GAS	197,452	236,750	-16.6%	190,726	3.5%
NATURAL GAS PEN SWP	139,220	224,208	-37.9%	141,108	-1.3%
NATURAL GAS PHY	1,371,662	1,115,815	22.9%	1,303,690	5.2%
NEPOOL INTR HUB 5MW D AH	0	5,031	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	0	99	-100.0%	0	-
NEW YORK ETHANOL SWAP	1,055	1,606	-34.3%	760	38.8%
NEW YORK HUB ZONE G PEAK	0	825	-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	11,958	7,310	63.6%	12,703	-5.9%
NY HARBOR LOW SULPUR GAS	0	400	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	255	405	-37.0%	250	2.0%
NYH NO 2 CRACK SPREAD CAL	17,707	14,622	21.1%	16,631	6.5%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	0	3,175	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING	2,767	567	388.0%	1,564	76.9%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-
PETROCHEMICALS	12,215	12,601	-3.1%	11,785	3.6%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	25,355	36,349	-30.2%	23,806	6.5%
PETRO CRK&SPRD EURO	2,252	2,825	-20.3%	2,039	10.4%
PETROLEUM PRODUCTS	9,198	8,597	7.0%	11,972	-23.2%
PETROLEUM PRODUCTS ASIA	606	1,599	-62.1%	909	-33.3%
PETRO OUTRIGHT EURO	14,551	21,148	-31.2%	15,425	-5.7%
PETRO OUTRIGHT NA	6,457	3,669	76.0%	4,502	43.4%
PJM AD HUB 5MW REAL TIME	0	14,510	-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	123,885	-100.0%	0	-
PJM WESTH RT PEAK	9,324	27,000	-65.5%	10,710	-12.9%
PLASTICS	4,092	3,569	14.7%	3,593	13.9%
PREMIUM UNLD 10P FOB MED	10	120	-91.7%	15	-33.3%
PROPANE NON-LDH MB (OPIS) B	650	1,279	-49.2%	1,004	-35.3%
PROPANE NON-LDH MT. BEL (OF	54,400	40,797	33.3%	45,033	20.8%
RBOB CALENDAR SWAP	15,092	12,955	16.5%	18,305	-17.6%
RBOB CRACK SPREAD	10,176	17,125	-40.6%	6,196	64.2%
RBOB CRACK SPREAD BALMO S	0	0	-	100	-100.0%
RBOB GAS	72	66	9.1%	78	-7.7%
RBOB GASOLINE BALMO CLNDR	2,058	4,002	-48.6%	717	187.0%
RBOB PHY	302,528	307,627	-1.7%	293,880	2.9%
RBOB VS HEATING OIL SWAP	230	375	-38.7%	255	-9.8%
SINGAPORE 180CST BALMO	6	0	-	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	363	419	-13.4%	395	-8.1%
SINGAPORE FUEL 180CST CAL	3	0	-	3	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	81	0	-	81	0.0%
SINGAPORE GASOIL	312	1,762	-82.3%	274	13.9%
SINGAPORE GASOIL CALENDAR	78	241	-67.6%	79	-1.3%
SINGAPORE GASOIL SWAP	461	1,536	-70.0%	900	-48.8%
SINGAPORE GASOIL VS ICE	1,510	4,660	-67.6%	1,704	-11.4%
SINGAPORE JET KERO GASOIL	1,328	3,602	-63.1%	1,485	-10.6%
SINGAPORE JET KEROSENE SW	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	800	377	112.2%	300	166.7%
TC2 ROTTERDAM TO USAC 37K	172	140	22.9%	172	0.0%
TC5 RAS TANURA TO YOKOHAM	80	150	-46.7%	90	-11.1%
TD3 MEG TO JAPAN 250K MT	1,780	3,945	-54.9%	1,845	-3.5%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	7,325	9,582	-23.6%	5,552	31.9%
UP DOWN GC ULSD VS NMX HO	38,980	35,124	11.0%	43,168	-9.7%
WTI-BRENT CALENDAR SWAP	116,580	102,637	13.6%	115,093	1.3%
WTI CALENDAR	141,336	160,150	-11.7%	143,365	-1.4%
WTI MIDLAND CRUDE OIL	930	0	-	1,100	-15.5%
WTS (ARGUS) VS WTI SWAP	18,766	28,266	-33.6%	19,541	-4.0%
WTS (ARGUS) VS WTI TRD MT	2,094	8,345	-74.9%	2,114	-0.9%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,812	3,160	-11.0%	2,349	19.7%
BRENT CRUDE OIL 1 M CSO	5,250	4,050	29.6%	6,300	-16.7%
BRENT OIL LAST DAY	47,988	125,091	-61.6%	43,693	9.8%
COAL API2 INDEX	205	365	-43.8%	190	7.9%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	167,250	179,833	-7.0%	183,600	-8.9%
CRUDE OIL APO	165,012	240,351	-31.3%	167,781	-1.7%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	0.0%
CRUDE OIL PHY	2,251,915	2,183,878	3.1%	2,462,008	-8.5%
ELEC FINSETTLED	0	43	-100.0%	0	-
ETHANOL SWAP	5,810	6,794	-14.5%	4,412	31.7%
FREIGHT MARKETS	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRI	0	2,250	-100.0%	0	-
HEATING OIL PHY	8,951	11,458	-21.9%	14,271	-37.3%
HENRY HUB FINANCIAL LAST	44,505	30,828	44.4%	43,062	3.4%
HO 1 MONTH CLNDR OPTIONS	0	1,800	-100.0%	0	0.0%
LLS CRUDE OIL	5,850	3,000	95.0%	6,325	-7.5%
MCCLOSKEY ARA ARGS COAL	0	160	-100.0%	0	-
NATURAL GAS	108	50	116.0%	0	-
NATURAL GAS 1 M CSO FIN	97,250	96,275	1.0%	76,200	27.6%
NATURAL GAS 2 M CSO FIN	250	3,050	-91.8%	0	-
NATURAL GAS 3 M CSO FIN	153,365	95,425	60.7%	152,575	0.5%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	0	6,000	-100.0%	0	-
NATURAL GAS OPT	375	5,975	-93.7%	500	-25.0%
NATURAL GAS OPTION ON CALE	224	7,784	-97.1%	224	0.0%
NATURAL GAS PHY	3,209,943	3,281,610	-2.2%	3,250,013	-1.2%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	16,061	6,878	133.5%	15,886	1.1%
PETROCHEMICALS	2,716	3,922	-30.7%	2,915	-6.8%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	110	1,060	-89.6%	90	22.2%
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	112	1,144	-90.2%	128	-12.5%
RBOB PHY	4,133	6,289	-34.3%	5,223	-20.9%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	150	50	200.0%	0	-
WTI-BRENT BULLET SWAP	89,125	154,401	-42.3%	103,700	-14.1%
WTI CRUDE OIL 1 M CSO FI	244,630	147,505	65.8%	254,085	-3.7%
<b>FX Futures</b>					
AD/CD CROSS RATES	20	48	-58.3%	21	-4.8%
AD/JY CROSS RATES	649	276	135.1%	596	8.9%
AD/NE CROSS RATES	4,126	6,770	-39.1%	1,112	271.0%
AUSTRALIAN DOLLAR	209,578	153,661	36.4%	183,445	14.2%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
BP/JY CROSS RATES	2,434	2,112	15.2%	1,973	23.4%
BP/SF CROSS RATES	1,962	1,288	52.3%	1,151	70.5%
BRAZIL REAL	62,222	74,146	-16.1%	81,368	-23.5%
BRITISH POUND	237,248	252,881	-6.2%	241,606	-1.8%
CANADIAN DOLLAR	182,549	135,929	34.3%	165,152	10.5%
CD/JY CROSS RATES	1	4	-75.0%	0	-
CHILEAN PESO	0	0	-	0	-
CHINESE RENMINBI (CNH)	4,492	5,106	-12.0%	3,403	32.0%
CZECK KORUNA (EC)	0	1	-100.0%	0	-
CZECK KORUNA (US)	3	1	200.0%	4	-25.0%
EC/AD CROSS RATES	4,266	2,430	75.6%	3,944	8.2%
EC/CD CROSS RATES	4,727	3,912	20.8%	4,745	-0.4%
EC/NOK CROSS RATES	3,174	781	306.4%	2,617	21.3%
EC/SEK CROSS RATES	5,386	1,657	225.0%	5,412	-0.5%
EFX/BP CROSS RATES	32,859	31,573	4.1%	29,898	9.9%
EFX/JY CROSS RATES	22,172	21,019	5.5%	21,671	2.3%
EFX/SF CROSS RATES	15,444	17,756	-13.0%	14,843	4.0%
E-MICRO USD/CAD	31	23	34.8%	67	-53.7%
E-MICRO USD/CHF	76	18	322.2%	107	-29.0%
E-MICRO USD/JPY	261	429	-39.2%	158	65.2%
E-MINI EURO FX	11,106	14,603	-23.9%	9,586	15.9%
E-MINI JAPANESE YEN	2,043	1,058	93.1%	964	111.9%
EURO FX	782,170	706,317	10.7%	778,739	0.4%
HUNGARIAN FORINT (EC)	3	0	-	3	0.0%
HUNGARIAN FORINT (US)	0	0	-	1	-100.0%
INDIAN RUPEE	3,441	1,059	224.9%	3,802	-9.5%
JAPANESE YEN	247,641	239,080	3.6%	198,780	24.6%
KOREAN WON	3,644	136	2,579.4%	3,652	-0.2%
MEXICAN PESO	223,638	212,843	5.1%	268,651	-16.8%
MICRO AUD/USD	9,767	4,880	100.1%	9,155	6.7%
MICRO CAD/USD	6,021	2,651	127.1%	4,697	28.2%
MICRO CHF/USD	1,724	1,592	8.3%	1,581	9.0%
MICRO EUR/USD	17,791	37,190	-52.2%	14,675	21.2%
MICRO GBP/USD	4,186	7,363	-43.1%	4,172	0.3%
MICRO INR/USD	13	6	116.7%	6	116.7%
MICRO JPY/USD	0	0	-	0	-
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	40,399	55,134	-26.7%	37,715	7.1%
NKR/USD CROSS RATE	2,076	1,112	86.7%	2,013	3.1%
POLISH ZLOTY (EC)	108	187	-42.2%	96	12.5%
POLISH ZLOTY (US)	918	473	94.1%	740	24.1%
RMB USD	0	0	-	0	-
RUSSIAN RUBLE	0	526	-100.0%	0	-
S.AFRICAN RAND	44,300	22,605	96.0%	32,537	36.2%
SF/JY CROSS RATES	1,001	832	20.3%	1,090	-8.2%
SHEKEL	33	1	3,200.0%	11	200.0%
SKR/USD CROSS RATES	1,203	2,377	-49.4%	922	30.5%
SWISS FRANC	43,630	49,579	-12.0%	43,925	-0.7%
TURKISH LIRA	75	54	38.9%	74	1.4%
USDZAR	3	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	203	141	44.0%	50	306.0%
AUD/USD MONDAY OPTION WEE	242	128	89.1%	1	24,100.0%
AUD/USD MONDAY OPTION WEE	0	0	-	6	-100.0%
AUD/USD MONDAY OPTION WEE	8	56	-85.7%	4	100.0%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONTHLY OPTIONS	65,655	117,279	-44.0%	56,624	15.9%
AUD/USD THURSDAY WKLY OPT	3	0	-	12	-75.0%
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	0.0%
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	11	-90.9%
AUD/USD TUESDAY WKLY OPT	0	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	-
AUD/USD WKLY FRIDAY OPTION	916	294	211.6%	0	-
AUD/USD WKLY FRIDAY OPTION	0	783	-100.0%	642	-100.0%
AUD/USD WKLY FRIDAY OPTION	1,252	1,466	-14.6%	631	98.4%
AUD/USD WKLY FRIDAY OPTION	646	479	34.9%	2,125	-69.6%
AUD/USD WKLY FRIDAY OPTION	710	0	-	0	-
AUD/USD WKLY WED OPTIONS -	108	1,370	-92.1%	44	145.5%
AUD/USD WKLY WED OPTIONS -	73	8	812.5%	14	421.4%
AUD/USD WKLY WED OPTIONS -	72	398	-81.9%	61	18.0%
AUD/USD WKLY WED OPTIONS -	0	54	-100.0%	0	-
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
BRL/USD MONTHLY OPTIONS	0	253	-100.0%	200	-100.0%
CAD/USD MONDAY OPTIONS WE	231	138	67.4%	993	-76.7%
CAD/USD MONDAY OPTIONS WE	466	289	61.2%	768	-39.3%
CAD/USD MONDAY OPTIONS WE	0	0	-	7	-100.0%
CAD/USD MONDAY OPTIONS WE	63	6	950.0%	4	1,475.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONTHLY OPTIONS	72,283	220,591	-67.2%	79,135	-8.7%
CAD/USD THURSDAY WKLY OPT	712	0	-	0	-
CAD/USD THURSDAY WKLY OPT	110	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	0.0%
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	278	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	-
CAD/USD TUESDAY WKLY OPT	0	0	-	0	-
CAD/USD WKLY FRIDAY OPTION	2,417	0	-	0	-
CAD/USD WKLY FRIDAY OPTION	0	1,195	-100.0%	1,104	-100.0%
CAD/USD WKLY FRIDAY OPTION	1,020	1,227	-16.9%	884	15.4%
CAD/USD WKLY FRIDAY OPTION	589	448	31.5%	654	-9.9%
CAD/USD WKLY FRIDAY OPTION	21	0	-	0	-
CAD/USD WKLY WED OPTIONS -	1,567	600	161.2%	1,018	53.9%
CAD/USD WKLY WED OPTIONS -	87	129	-32.6%	153	-43.1%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>FX Options</b>					
CAD/USD WKLY WED OPTIONS -	0	529	-100.0%	27	-100.0%
CAD/USD WKLY WED OPTIONS -	0	172	-100.0%	0	-
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CHF/USD MONTHLY OPTIONS	37,451	6,204	503.7%	9,631	288.9%
CHF/USD WKLY FRIDAY OPTION	125	10	1,150.0%	0	-
CHF/USD WKLY FRIDAY OPTION	0	51	-100.0%	638	-100.0%
CHF/USD WKLY FRIDAY OPTION	20	4	400.0%	484	-95.9%
CHF/USD WKLY FRIDAY OPTION	97	0	0.0%	3	3,133.3%
CHF/USD WKLY FRIDAY OPTION	1	0	-	0	-
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EURO FX	51	0	-	0	-
EUR/USD MONDAY OPTION WEE	1,814	634	186.1%	1,662	9.1%
EUR/USD MONDAY OPTION WEE	1,437	517	177.9%	638	125.2%
EUR/USD MONDAY OPTION WEE	0	0	-	72	-100.0%
EUR/USD MONDAY OPTION WEE	1,408	667	111.1%	0	-
EUR/USD MONDAY OPTION WEE	0	0	-	0	-
EUR/USD MONTHLY OPTIONS	377,168	286,370	31.7%	374,936	0.6%
EUR/USD THURSDAY WKLY OPT	48	0	-	661	-92.7%
EUR/USD THURSDAY WKLY OPT	240	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	0.0%
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	15	-100.0%
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD WKLY FRIDAY OPTION	11,375	2	568,650.0%	0	-
EUR/USD WKLY FRIDAY OPTION	0	2,068	-100.0%	4,882	-100.0%
EUR/USD WKLY FRIDAY OPTION	1,824	1,786	2.1%	676	169.8%
EUR/USD WKLY FRIDAY OPTION	2,729	629	333.9%	954	186.1%
EUR/USD WKLY FRIDAY OPTION	206	0	-	0	-
EUR/USD WKLY WED OPTIONS -	2,841	3,328	-14.6%	6,062	-53.1%
EUR/USD WKLY WED OPTIONS -	1,270	782	62.4%	1,243	2.2%
EUR/USD WKLY WED OPTIONS -	164	6	2,633.3%	223	-26.5%
EUR/USD WKLY WED OPTIONS -	0	1	-100.0%	0	-
EUR/USD WKLY WED OPTIONS -	0	0	-	0	-
EVENT CONTRACT EUR/USD	0	0	-	0	0.0%
GBP/USD MONDAY OPTION WEE	690	176	292.0%	161	328.6%
GBP/USD MONDAY OPTION WEE	1,251	400	212.8%	189	561.9%
GBP/USD MONDAY OPTION WEE	0	0	-	1	-100.0%
GBP/USD MONDAY OPTION WEE	1,195	107	1,016.8%	14	8,435.7%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONTHLY OPTIONS	101,174	110,202	-8.2%	88,111	14.8%
GBP/USD THURSDAY WKLY OPT	82	0	-	400	-79.5%
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	0.0%
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>FX Options</b>					
GBP/USD TUESDAY WKLY OPT	0	0	-	1	-100.0%
GBP/USD TUESDAY WKLY OPT	0	0	-	888	-100.0%
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-
GBP/USD WKLY FRIDAY OPTION	2,279	539	322.8%	0	-
GBP/USD WKLY FRIDAY OPTION	0	1,250	-100.0%	1,045	-100.0%
GBP/USD WKLY FRIDAY OPTION	1,015	1,046	-3.0%	5,648	-82.0%
GBP/USD WKLY FRIDAY OPTION	1,729	1,330	30.0%	509	239.7%
GBP/USD WKLY FRIDAY OPTION	508	0	-	0	-
GBP/USD WKLY WED OPTIONS -	8	230	-96.5%	1,701	-99.5%
GBP/USD WKLY WED OPTIONS -	254	70	262.9%	91	179.1%
GBP/USD WKLY WED OPTIONS -	0	0	-	25	-100.0%
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	311	83	274.7%	329	-5.5%
JPY/USD MONDAY OPTION WEE	655	159	311.9%	5	13,000.0%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	340	2	16,900.0%	0	-
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	95,943	140,073	-31.5%	90,577	5.9%
JPY/USD THURSDAY WKLY OPT	0	0	-	3	-100.0%
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 THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	10	-100.0%
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	-
JPY/USD WKLY FRIDAY OPTION	2,822	0	-	0	-
JPY/USD WKLY FRIDAY OPTION	0	2,319	-100.0%	1,555	-100.0%
JPY/USD WKLY FRIDAY OPTION	1,851	1,445	28.1%	629	194.3%
JPY/USD WKLY FRIDAY OPTION	506	832	-39.2%	479	5.6%
JPY/USD WKLY FRIDAY OPTION	1	0	-	0	-
JPY/USD WKLY WED OPTIONS -	1,613	1,389	16.1%	2,752	-41.4%
JPY/USD WKLY WED OPTIONS -	761	1,591	-52.2%	836	-9.0%
JPY/USD WKLY WED OPTIONS -	0	70	-100.0%	870	-100.0%
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
MXN/USD MONTHLY OPTIONS	442	4,097	-89.2%	385	14.8%
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	541	132	309.8%	529	2.3%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
PY/USD THURSDAY WKLY OPT	0	0	-	0	-
PY/USD TUESDAY WKLY OPT W	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>FX Options</b>					
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	2,148	2,762	-22.2%	3,437	-37.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	1,163	859	35.4%	813	43.1%
BUTTER CS	10,466	11,236	-6.9%	9,943	5.3%
CASH-SETTLED CHEESE	27,253	18,928	44.0%	24,355	11.9%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	330,742	299,155	10.6%	351,260	-5.8%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	3,850	5,800	-33.6%	3,700	4.1%
CDD WEATHER	4,300	18,850	-77.2%	500	760.0%
CHI WHEAT	393,707	331,136	18.9%	365,418	7.7%
CLASS IV MILK	5,990	14,214	-57.9%	5,142	16.5%
COFFEE	0	0	-	0	-
CORN	1,332,173	1,564,217	-14.8%	1,207,234	10.3%
DJ_UBS ROLL SELECT INDEX FU	12,609	11,916	5.8%	12,559	0.4%
DOW-UBS COMMOD INDEX	57,801	35,166	64.4%	55,269	4.6%
DOW-UBS COMMOD INDEX SWA	107,730	0	-	107,730	0.0%
DRY WHEY	3,686	3,055	20.7%	3,347	10.1%
FEEDER CATTLE	65,349	47,357	38.0%	62,640	4.3%
FERTILIZER PRODUCTS	0	0	-	0	-
GOLDMAN SACHS	545	1,564	-65.2%	588	-7.3%
GSCI EXCESS RETURN FUT	37,102	65,593	-43.4%	37,102	0.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	229,078	193,769	18.2%	228,712	0.2%
HOUSING INDEX	54	60	-10.0%	47	14.9%
KC WHEAT	190,307	180,591	5.4%	180,879	5.2%
LUMBER	6,753	2,230	202.8%	4,746	42.3%
MALAYSIAN PALM SWAP	0	0	-	0	-
MILK	28,011	34,362	-18.5%	23,772	17.8%
MINI CORN	8,684	18,333	-52.6%	6,317	37.5%
MINI SOYBEAN	15,440	29,002	-46.8%	14,516	6.4%
MINI WHEAT	3,097	5,796	-46.6%	2,825	9.6%
MLK MID OPTIONS	0	0	-	0	-
NFD MILK	9,385	8,919	5.2%	9,721	-3.5%
OATS	4,428	3,054	45.0%	5,056	-12.4%
OTC SP GSCI ER SWAP	58,917	0	-	56,430	4.4%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-
PORK CUTOUT	595	1,460	-59.2%	481	23.7%
ROUGH RICE	8,524	11,257	-24.3%	7,187	18.6%
SOYBEAN	676,627	753,983	-10.3%	602,366	12.3%
SOYBEAN MEAL	485,212	370,669	30.9%	424,818	14.2%
SOYBEAN OIL	555,406	383,135	45.0%	468,775	18.5%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-
USD CRUDE PALM OIL	51,605	45,895	12.4%	53,005	-2.6%
WHEAT	1,400	3,163	-55.7%	1,600	-12.5%

### Ag Products Options

AUG-DEC SOYBEAN MEAL CSO	200	0	-	0	-
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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BLOCK CHEESE	816	653	25.0%	709	15.1%
BUTTER CS	8,167	7,920	3.1%	7,004	16.6%
CASH-SETTLED CHEESE	29,773	32,966	-9.7%	26,265	13.4%
CATTLE	278,451	211,482	31.7%	261,774	6.4%
CDD SEASONAL STRIP	64,700	15,500	317.4%	40,500	59.8%
CDD WEATHER	62,500	750	8,233.3%	59,000	5.9%
CHI WHEAT	299,460	365,236	-18.0%	253,915	17.9%
CLASS IV MILK	30,203	34,363	-12.1%	30,484	-0.9%
CORN	1,498,870	2,019,646	-25.8%	1,232,137	21.6%
CORN NEARBY+2 CAL SPRD	64,011	22,784	180.9%	44,922	42.5%
DEC-DEC CORN CAL SPRD	1,001	0	-	400	150.3%
DEC-JULY CORN CAL SPRD	4,710	2,540	85.4%	3,995	17.9%
DEC-JULY WHEAT CAL SPRD	80	0	-	160	-50.0%
DRY WHEY	472	2,728	-82.7%	674	-30.0%
FEEDER CATTLE	52,636	31,516	67.0%	58,153	-9.5%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	307,545	268,024	14.7%	257,937	19.2%
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	32,703	22,462	45.6%	24,462	33.7%
JULY-DEC SOYMEAL CAL SPRD	930	410	126.8%	770	20.8%
JULY-DEC SOY OIL CAL SPRD	2,210	0	-	2,210	0.0%
JULY-DEC WHEAT CAL SPRD	0	3,050	-100.0%	0	-
JULY-JULY WHEAT CAL SPRD	10	1	900.0%	10	0.0%
JULY-NOV SOYBEAN CAL SPRD	24,785	16,703	48.4%	24,048	3.1%
KC WHEAT	65,982	74,160	-11.0%	45,542	44.9%
LUMBER	123	456	-73.0%	21	485.7%
LV CATL CSO	0	0	-	30	-100.0%
MAR-DEC CORN CAL SPRD	0	0	-	0	-
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY SOYBEAN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	88,041	94,878	-7.2%	93,095	-5.4%
MLK MID OPTIONS	10	36	-72.2%	9	11.1%
NFD MILK	11,673	15,464	-24.5%	12,912	-9.6%
NOV-JULY SOYBEAN CAL SPRD	200	300	-33.3%	0	-
NOV-MAR SOYBEAN CSO	15	0	-	15	0.0%
OATS	263	568	-53.7%	217	21.2%
PORK CUTOFF	0	30	-100.0%	5	-100.0%
ROUGH RICE	3,003	3,160	-5.0%	1,397	115.0%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	627,951	747,314	-16.0%	511,595	22.7%
SOYBEAN CRUSH	0	71	-100.0%	0	-
SOYBEAN MEAL	189,451	162,895	16.3%	156,573	21.0%
SOYBEAN OIL	236,884	190,242	24.5%	123,560	91.7%
SOYBN NEARBY+2 CAL SPRD	8,219	1,530	437.2%	1,489	452.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAY 2023	Open Interest MAY 2022	% CHG	Open Interest APR 2023	% CHG
<b>Ag Products Options</b>					
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	0	-
SOY OIL NEARBY+2 CAL SPRD	0	0	-	0	-
WHEAT	505	410	23.2%	619	-18.4%
WHEAT-CORN ICSD	200	4,100	-95.1%	200	0.0%
WHEAT NEARBY+2 CAL SPRD	483	3,230	-85.0%	483	0.0%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	30,861,677	31,798,959	-2.9%	29,403,534	5.0%
Equity Index Futures	5,057,867	4,671,220	8.3%	4,667,662	8.4%
Metals Futures	1,063,916	1,064,088	0.0%	1,069,943	-0.6%
Energy Futures	6,793,753	6,671,267	1.8%	6,589,024	3.1%
FX Futures	2,240,614	2,073,479	8.1%	2,180,880	2.7%
Ags Futures	2,148	2,762	-22.2%	3,437	-37.5%
Ag Products Futures	4,727,989	4,474,724	5.7%	4,338,853	9.0%
<b>TOTAL FUTURES</b>	<b>50,747,964</b>	<b>50,756,499</b>	<b>0.0%</b>	<b>48,253,333</b>	<b>5.2%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	48,756,876	44,139,556	10.5%	46,111,937	5.7%
Equity Index Options	5,605,270	4,806,141	16.6%	5,332,364	5.1%
Metals Options	1,093,819	913,274	19.8%	1,143,003	-4.3%
Energy Options	6,524,100	6,610,689	-1.3%	6,795,530	-4.0%
FX Options	805,973	918,634	-12.3%	745,695	8.1%
Ag Products Options	3,997,236	4,357,578	-8.3%	3,277,291	22.0%
<b>TOTAL OPTIONS</b>	<b>66,783,274</b>	<b>61,745,872</b>	<b>8.2%</b>	<b>63,405,820</b>	<b>5.3%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	79,618,553	75,938,515	4.8%	75,515,471	5.4%
Equity Index	10,663,137	9,477,361	12.5%	10,000,026	6.6%
Metals	2,157,735	1,977,362	9.1%	2,212,946	-2.5%
Energy	13,317,853	13,281,956	0.3%	13,384,554	-0.5%
FX	3,046,587	2,992,113	1.8%	2,926,575	4.1%
Ags	2,148	2,762	-22.2%	3,437	-37.5%
Ag Products	8,725,225	8,832,302	-1.2%	7,616,144	14.6%
<b>GRAND TOTAL</b>	<b>117,531,238</b>	<b>112,502,371</b>	<b>4.5%</b>	<b>111,659,153</b>	<b>5.3%</b>

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