

## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Interest Rate Futures</b>					
10-YR Eris LIBOR	55,358	60,619	-8.7%	67,576	-18.1%
10-YR Eris SOFR	19,895	0	-	1,117	1,681.1%
10-YR MAC LIBOR	9,981	10,906	-8.5%	16,725	-40.3%
10-YR MAC SOFR	0	0	-	9	-100.0%
10-YR NOTE	4,248,005	3,708,554	14.5%	4,304,483	-1.3%
10Y YIELD	2,921	1,894	54.2%	5,125	-43.0%
15-YR Eris LIBOR	0	0	-	0	-
1-MONTH EURODOLLAR	0	56,667	-100.0%	0	-
1-YR Eris BSBY	0	0	-	0	-
1-YR Eris SOFR	11,409	6,220	83.4%	11,258	1.3%
20-YR BOND	204	1,869	-89.1%	416	-51.0%
20-YR Eris LIBOR	0	0	-	0	-
2-YR Eris LIBOR	3,461	147,910	-97.7%	43,071	-92.0%
2-YR Eris SOFR	31,693	3,191	893.2%	7,095	346.7%
2-YR NOTE	2,373,250	2,248,371	5.6%	2,644,151	-10.2%
2Y YIELD	461	262	76.0%	1,656	-72.2%
30-Year UMBS TBA Futures - 2.5%	10	0	-	19	-47.4%
30-Year UMBS TBA Futures - 3.0%	23	0	-	44	-47.7%
30-Year UMBS TBA Futures - 3.5%	124	0	-	24	416.7%
30-Year UMBS TBA Futures - 4.0%	52	0	-	80	-35.0%
30-Year UMBS TBA Futures - 4.5%	159	0	-	73	117.8%
30-Year UMBS TBA Futures - 5.0%	40	0	-	86	-53.5%
30-Year UMBS TBA Futures - 5.5%	85	0	-	51	66.7%
30-Year UMBS TBA Futures - 6.0%	10	0	-	120	-91.7%
30-YR BOND	1,191,819	1,127,761	5.7%	1,211,107	-1.6%
30-YR Eris LIBOR	2,273	2,273	0.0%	2,273	0.0%
30-YR MAC LIBOR	0	0	-	0	-
30Y YIELD	178	342	-48.0%	145	22.8%
3-YR Eris BSBY	0	0	-	0	-
3-YR Eris LIBOR	14,050	59,525	-76.4%	21,531	-34.7%
3-YR Eris SOFR	3,695	2,353	57.0%	2,838	30.2%
3-YR NOTE	9,272	10,526	-11.9%	10,026	-7.5%
4-YR Eris LIBOR	6,108	18,678	-67.3%	7,482	-18.4%
4-YR Eris SOFR	2,078	1,034	101.0%	1,808	14.9%
5-YR Eris LIBOR	3,816	31,957	-88.1%	25,932	-85.3%
5-YR Eris SOFR	19,950	2,196	808.5%	4,456	347.7%
5-YR MAC LIBOR	68	16,239	-99.6%	5,739	-98.8%
5-YR MAC SOFR	0	0	-	44	-100.0%
5-YR NOTE	4,415,991	3,730,100	18.4%	4,182,168	5.6%
5Y YIELD	0	61	-100.0%	323	-100.0%
7-YR Eris LIBOR	17,396	22,283	-21.9%	20,222	-14.0%
7-YR Eris SOFR	647	1	64,600.0%	33	1,860.6%
BSBY 3-MONTH FUTURES	11,451	21,476	-46.7%	12,169	-5.9%
ESTR Basis Spread Futures	663	0	-	699	-5.2%
ESTR Futures	1,526	0	-	1,218	25.3%
EURODOLLARS	4,693,286	10,976,379	-57.2%	5,709,872	-17.8%
FED FUND	1,777,193	2,148,862	-17.3%	2,008,904	-11.5%
FTIIE	193	141	36.9%	135	43.0%
SOFR	10,229,603	4,472,217	128.7%	10,711,400	-4.5%
SONIA	4,241	8,825	-51.9%	5,143	-17.5%

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<b>Interest Rate Futures</b>					
Ultra 10-Year Note	1,574,140	1,342,858	17.2%	1,530,947	2.8%
ULTRA T-BOND	1,405,500	1,293,255	8.7%	1,475,411	-4.7%
<b>Interest Rate Options</b>					
10-YR NOTE	2,574,273	3,108,952	-17.2%	2,412,311	6.7%
2-YR NOTE	159,924	10,181	1,470.8%	56,222	184.5%
30-YR BOND	456,695	511,128	-10.6%	505,586	-9.7%
5-YR NOTE	1,555,883	1,659,560	-6.2%	1,301,359	19.6%
EURODOLLARS	5,472,834	25,621,154	-78.6%	8,361,194	-34.5%
EURO MIDCURVE	297,884	9,281,405	-96.8%	847,456	-64.8%
FED FUND	0	0	-	2	-100.0%
SOFR	31,857,551	1,008,730	3,058.2%	32,376,384	-1.6%
SOFR MIDCURVE	6,569,366	363,646	1,706.5%	7,831,144	-16.1%
SOFR MISCURVE	700	0	-	700	0.0%
Ultra 10-Year Note	163	0	-	70	132.9%
ULTRA T-BOND	1,633	3,953	-58.7%	586	178.7%

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<b>Equity Index Futures</b>					
S&P 500	385,140	282,983	36.1%	366,079	5.2%
S&P 500 ANNUAL DIVIDEND IND	197,804	208,329	-5.1%	180,765	9.4%
S&P 500 QUARLY DIVIDEND IND	29,145	8,116	259.1%	25,783	13.0%
S&P BIOTECHNOLOGY SECTOR	325	0	-	580	-44.0%
S&P COMMUNICATION SERVICE	2,412	1,666	44.8%	2,915	-17.3%
S&P CONSUMER DISCRETIONAR	4,571	4,270	7.0%	4,383	4.3%
S&P CONSUMER STAPLES SECT	14,692	10,953	34.1%	15,417	-4.7%
S&P ENERGY SECTOR	19,661	37,302	-47.3%	24,470	-19.7%
S&P FINANCIAL SECTOR	33,406	29,026	15.1%	38,602	-13.5%
S&P HEALTH CARE SECTOR	20,546	20,762	-1.0%	20,413	0.7%
S&P INDUSTRIAL SECTOR	15,656	14,521	7.8%	22,842	-31.5%
S&P MATERIALS SECTOR	5,009	7,825	-36.0%	6,149	-18.5%
S&P OIL & GAS EXPLORATION A	35	0	-	66	-47.0%
S&P REAL ESTATE SECTOR	6,608	7,280	-9.2%	12,177	-45.7%
S&P REGIONAL BANKS SECTOR	46	0	-	32	43.8%
S&P RETAIL SECTOR	30	0	-	48	-37.5%
S&P TECHNOLOGY SECTOR	12,421	10,988	13.0%	13,255	-6.3%
S&P UTILITIES SECTOR	25,519	13,944	83.0%	22,043	15.8%
S&P VALUE INDEX FUTURES	0	0	-	0	-
TOPIX (USD)	0	0	-	0	-
TOPIX (YEN)	15	155	-90.3%	152	-90.1%
WATER INDEX FUTURES	6	55	-89.1%	1	500.0%
<b>Equity Index Options</b>					
BITCOIN OPTIONS	14,677	1,390	955.9%	7,212	103.5%
DJIA	0	0	-	0	0.0%
E-mini (\$5) Dow	152	1,739	-91.3%	653	-76.7%
E-MINI NASDAQ 100	168,225	178,146	-5.6%	168,590	-0.2%
E-MINI RUSSELL 2000	39,114	49,410	-20.8%	36,649	6.7%
E-MINI S&P500	4,817,430	4,200,376	14.7%	4,787,751	0.6%
EOM S&P 500	0	0	-	0	-
ETHER OPTIONS	1,831	0	-	1,442	27.0%
EVENT CONTRACT S&P 500	0	0	-	0	-
MICRO BITCOIN	3,939	95	4,046.3%	3,225	22.1%
MICRO E-MINI NASDAQ 100	5,919	6,294	-6.0%	6,230	-5.0%
Micro E-mini S&P 500	46,899	47,999	-2.3%	65,360	-28.2%
MICRO ETHER	18,342	20,100	-8.7%	16,023	14.5%
S&P 500	0	0	-	0	-

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<b>Metals Futures</b>					
ALUMINUM	59,599	59,321	0.5%	59,118	0.8%
COBALT METAL FUTURES	18,733	1,767	960.2%	17,670	6.0%
COMEX COPPER	218,280	209,743	4.1%	196,143	11.3%
COMEX E-Mini GOLD	809	1,522	-46.8%	1,042	-22.4%
COMEX E-Mini SILVER	596	542	10.0%	364	63.7%
COMEX GOLD	456,507	569,969	-19.9%	426,890	6.9%
COMEX MINY COPPER	362	420	-13.8%	331	9.4%
COMEX SILVER	121,387	148,844	-18.4%	123,900	-2.0%
COPPER	17,634	13,720	28.5%	19,050	-7.4%
FERROUS PRODUCTS	6,319	7,333	-13.8%	6,831	-7.5%
GOLD	684	1,407	-51.4%	813	-15.9%
HOT ROLLED COIL STEEL FUTU	6,989	2,228	213.7%	7,102	-1.6%
IRON ORE CHINA	535	1,444	-63.0%	615	-13.0%
METALS	2,368	50	4,636.0%	1,891	25.2%
MICRO GOLD	20,750	26,205	-20.8%	20,785	-0.2%
NYMEX HOT ROLLED STEEL	27,742	32,618	-14.9%	24,116	15.0%
NYMEX PLATINUM	57,620	60,843	-5.3%	68,075	-15.4%
PALLADIUM	11,559	6,619	74.6%	11,770	-1.8%
SILVER	6,790	6,156	10.3%	8,059	-15.7%
URANIUM	200	800	-75.0%	800	-75.0%
<b>Metals Options</b>					
ALUMINUM	556	350	58.9%	215	158.6%
COMEX COPPER	103,294	42,275	144.3%	114,535	-9.8%
COMEX GOLD	806,095	791,011	1.9%	654,345	23.2%
COMEX SILVER	117,200	86,461	35.6%	98,392	19.1%
COPPER	1,292	112	1,053.6%	1,067	21.1%
GOLD	33,591	42,081	-20.2%	26,474	26.9%
IRON ORE CHINA	0	50	-100.0%	0	-
NYMEX HOT ROLLED STEEL	8,310	4,180	98.8%	9,280	-10.5%
NYMEX PLATINUM	18,502	9,267	99.7%	16,986	8.9%
PALLADIUM	2,036	35	5,717.1%	1,749	16.4%
SILVER	5,296	3,601	47.1%	4,701	12.7%
<b>Energy Futures</b>					
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	7,250	6,775	7.0%	4,180	73.4%
ARGUS PROPAN FAR EST INDE	6,135	4,659	31.7%	5,793	5.9%
ARGUS PROPAN(SAUDI ARAMC	2,294	1,739	31.9%	2,237	2.5%
BRENT BALMO SWAP	0	740	-100.0%	0	-
BRENT CALENDAR SWAP	30,571	43,938	-30.4%	35,461	-13.8%
BRENT FINANCIAL FUTURES	210	0	-	210	0.0%
BRENT OIL LAST DAY	163,222	193,830	-15.8%	151,381	7.8%
CAR VINTAGE	29,352	19,759	48.6%	27,826	5.5%
CHICAGO ETHANOL SWAP	34,607	29,784	16.2%	34,108	1.5%
CHICAGO ULSD PL VS HO SPR	2,465	1,933	27.5%	2,355	4.7%
CHICAGO UNL GAS PL VS RBO	0	75	-100.0%	0	-

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<b>Energy Futures</b>					
CONWAY NATURAL GASOLINE (	398	1,685	-76.4%	475	-16.2%
CONWAY NORMAL BUTANE (OPI	303	538	-43.7%	422	-28.2%
CONWAY PROPANE 5 DECIMALS	24,185	19,229	25.8%	24,360	-0.7%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	2,400	0	-	2,700	-11.1%
CRUDE OIL OUTRIGHTS	210,225	144,040	45.9%	201,833	4.2%
CRUDE OIL PHY	1,878,962	1,831,450	2.6%	1,765,062	6.5%
CRUDE OIL SPRDS	197,695	108,786	81.7%	193,141	2.4%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	0	5,952	-100.0%	0	-
DATED TO FRONTLINE BRENT	1,850	2,470	-25.1%	2,035	-9.1%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRANSMISSION INC	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	0	1,500	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL	2,675	6,092	-56.1%	2,641	1.3%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,779	1,269	40.2%	1,611	10.4%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	56	9	522.2%	61	-8.2%
ETHANOL	0	0	-	0	-
ETHANOL SWAP	880	580	51.7%	815	8.0%
ETHANOL T2 FOB ROTT INCL DU	6,595	7,012	-5.9%	6,224	6.0%
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	300	947	-68.3%	330	-9.1%
EUROPE 1% FUEL OIL NWE CA	0	50	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	146	221	-33.9%	128	14.1%
EUROPEAN GASOIL (ICE)	1,092	4,435	-75.4%	1,157	-5.6%
EUROPEAN NAPHTHA BALMO	10	5	100.0%	18	-44.4%
EUROPEAN NAPHTHA CRACK SP	3,787	8,413	-55.0%	1,874	102.1%
EUROPE DATED BRENT SWAP	0	11	-100.0%	0	-
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	1,275	1,217	4.8%	945	34.9%
EURO PROPANE CIF ARA SWA	2,874	2,877	-0.1%	2,927	-1.8%
FREIGHT MARKETS	471	897	-47.5%	523	-9.9%
FUEL OIL CRACK VS ICE	33	1,168	-97.2%	36	-8.3%
FUEL OIL NWE CRACK VS ICE	0	87	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	458	790	-42.0%	181	153.0%
GAS EURO-BOB OXY NWE BARG	3,882	10,968	-64.6%	3,008	29.1%
GASOIL 0.1CIF MED VS ICE	0	50	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	0	5	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	0	95	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	86	516	-83.3%	79	8.9%
GASOIL CRACK SPREAD CALEN	462	4,717	-90.2%	90	413.3%
GASOIL MINI CALENDAR SWAP	390	1,249	-68.8%	469	-16.8%
GERMAN POWER BASELOAD CA	0	180	-100.0%	0	-

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<b>Energy Futures</b>					
GRP THREE ULSD(PLT)VS HEA	7,948	7,880	0.9%	7,993	-0.6%
GRP THREE UNL GS (PLT) VS	4,805	6,455	-25.6%	5,745	-16.4%
GULF COAST 3% FUEL OIL BA	0	400	-100.0%	0	-
GULF COAST JET FUEL CLNDR	0	0	-	0	-
GULF COAST JET VS NYM 2 H	12,412	11,774	5.4%	11,205	10.8%
GULF COAST NO.6 FUEL OIL	16,828	12,818	31.3%	19,101	-11.9%
GULF COAST ULSD CALENDAR	1,849	1,164	58.8%	1,712	8.0%
GULF COAST ULSD CRACK SPR	0	0	-	0	-
HEATING OIL BALMO CLNDR S	0	0	-	89	-100.0%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	269,793	206,781	30.5%	246,341	9.5%
HENRY HUB SWAP	443,386	575,683	-23.0%	433,543	2.3%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-
HTG OIL	72	74	-2.7%	81	-11.1%
ICE BRENT DUBAI SWAP	140	1,996	-93.0%	100	40.0%
ICE GASOIL BALMO SWAP	0	0	-	0	-
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL ICI4	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	0	6	-100.0%	0	-
JAPAN C&F NAPHTHA SWAP	446	369	20.9%	401	11.2%
JAPAN NAPHTHA BALMO SWAP	0	6	-100.0%	8	-100.0%
JET CIF NWE VS ICE	723	1,076	-32.8%	720	0.4%
JET FUEL UP-DOWN BALMO CL	585	3,760	-84.4%	1,738	-66.3%
JKM LNG Futures	515	1,609	-68.0%	600	-14.2%
LA CARB DIESEL (OPIS) SWA	1,345	1,242	8.3%	950	41.6%
LA CARBOB GASOLINE(OPIS)S	150	0	-	150	0.0%
LA JET (OPIS) SWAP	960	795	20.8%	1,100	-12.7%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	810	2,704	-70.0%	1,062	-23.7%
LTD NAT GAS	392,200	443,871	-11.6%	377,682	3.8%
MARS (ARGUS) VS WTI SWAP	0	1,400	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	11,075	23,570	-53.0%	23,644	-53.2%
MCCLOSKEY ARA ARGS COAL	6,226	10,596	-41.2%	6,493	-4.1%
MCCLOSKEY RCH BAY COAL	106	962	-89.0%	116	-8.6%
MGN1 SWAP FUT	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	0	155	-100.0%	10	-100.0%
MINI RBOB V. EBOBARG NWE BF	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NW	303	447	-32.2%	398	-23.9%
MINY HTG OIL	1	0	-	1	0.0%
MINY NATURAL GAS	14,367	4,062	253.7%	12,642	13.6%
MINY RBOB GAS	4	1	300.0%	4	0.0%
MINY WTI CRUDE OIL	6,264	8,478	-26.1%	3,876	61.6%
MJC FUT	0	0	-	0	-
MNC FUT	2,046	2,651	-22.8%	1,888	8.4%
MONT BELVIEU ETHANE 5 DECI	53,551	50,307	6.4%	53,986	-0.8%
MONT BELVIEU ETHANE OPIS B	560	446	25.6%	515	8.7%
MONT BELVIEU LDH PROPANE 5	155,130	127,514	21.7%	155,027	0.1%
MONT BELVIEU LDH PROPANE C	4,089	2,378	72.0%	1,755	133.0%
MONT BELVIEU NATURAL GASO	36,274	34,908	3.9%	36,702	-1.2%
MONT BELVIEU NATURAL GASO	1,598	1,240	28.9%	870	83.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Energy Futures</b>					
MONT BELVIEU NORMAL BUTAN	45,891	48,194	-4.8%	46,400	-1.1%
MONT BELVIEU NORMAL BUTAN	1,151	1,591	-27.7%	352	227.0%
NATURAL GAS	200,820	182,473	10.1%	193,776	3.6%
NATURAL GAS PEN SWP	145,683	200,910	-27.5%	151,386	-3.8%
NATURAL GAS PHY	1,338,812	1,124,511	19.1%	1,239,613	8.0%
NEPOOL INTR HUB 5MW D AH	0	7,488	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	0	63	-100.0%	0	-
NEW YORK ETHANOL SWAP	847	1,790	-52.7%	980	-13.6%
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	10,099	7,191	40.4%	8,825	14.4%
NY HARBOR LOW SULPUR GAS	0	500	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	275	450	-38.9%	325	-15.4%
NYH NO 2 CRACK SPREAD CAL	8,010	13,376	-40.1%	7,529	6.4%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	0	4,250	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING	2,341	409	472.4%	2,516	-7.0%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-
PETROCHEMICALS	11,174	14,260	-21.6%	11,523	-3.0%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	25,809	41,373	-37.6%	25,827	-0.1%
PETRO CRK&SPRD EURO	1,870	3,715	-49.7%	1,706	9.6%
PETROLEUM PRODUCTS	12,118	7,446	62.7%	8,820	37.4%
PETROLEUM PRODUCTS ASIA	1,042	1,318	-20.9%	722	44.3%
PETRO OUTRIGHT EURO	15,540	27,422	-43.3%	14,940	4.0%
PETRO OUTRIGHT NA	3,355	4,018	-16.5%	1,904	76.2%
PJM AD HUB 5MW REAL TIME	0	18,680	-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	159,525	-100.0%	0	-
PJM WESTH RT PEAK	11,970	32,964	-63.7%	13,419	-10.8%
PLASTICS	3,782	3,717	1.7%	4,003	-5.5%
PREMIUM UNLD 10P FOB MED	15	150	-90.0%	0	-
PROPANE NON-LDH MB (OPIS) B	1,466	1,152	27.3%	1,047	40.0%
PROPANE NON-LDH MT. BEL (OF	40,239	46,419	-13.3%	41,154	-2.2%
RBOB CALENDAR SWAP	18,713	12,226	53.1%	14,207	31.7%
RBOB CRACK SPREAD	4,840	17,779	-72.8%	4,650	4.1%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	48	56	-14.3%	54	-11.1%
RBOB GASOLINE BALMO CLNDR	1,055	2,032	-48.1%	314	236.0%
RBOB PHY	307,895	284,059	8.4%	300,229	2.6%
RBOB VS HEATING OIL SWAP	280	375	-25.3%	305	-8.2%
SINGAPORE 180CST BALMO	4	0	-	0	-
SINGAPORE 380CST BALMO	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	258	422	-38.9%	257	0.4%
SINGAPORE FUEL 180CST CAL	3	0	-	8	-62.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Energy Futures</b>					
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	94	0	-	107	-12.1%
SINGAPORE GASOIL	302	1,497	-79.8%	442	-31.7%
SINGAPORE GASOIL CALENDAR	73	432	-83.1%	55	32.7%
SINGAPORE GASOIL SWAP	1,200	898	33.6%	800	50.0%
SINGAPORE GASOIL VS ICE	1,926	5,335	-63.9%	2,148	-10.3%
SINGAPORE JET KERO GASOIL	1,692	4,095	-58.7%	1,899	-10.9%
SINGAPORE JET KEROSENE SW	0	375	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	100	210	-52.4%	0	-
SINGAPORE MOGAS 92 UNLEAD	250	500	-50.0%	25	900.0%
TC2 ROTTERDAM TO USAC 37K	222	193	15.0%	100	122.0%
TC5 RAS TANURA TO YOKOHAM	100	175	-42.9%	110	-9.1%
TD3 MEG TO JAPAN 250K MT	1,910	4,580	-58.3%	1,975	-3.3%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	8,634	5,598	54.2%	4,450	94.0%
UP DOWN GC ULSD VS NMX HO	29,474	36,202	-18.6%	28,175	4.6%
WTI-BRENT CALENDAR SWAP	107,194	112,204	-4.5%	107,248	-0.1%
WTI CALENDAR	143,873	174,791	-17.7%	147,885	-2.7%
WTI MIDLAND CRUDE OIL	790	0	-	500	58.0%
WTS (ARGUS) VS WTI SWAP	15,216	31,087	-51.1%	16,497	-7.8%
WTS (ARGUS) VS WTI TRD MT	2,410	8,105	-70.3%	2,085	15.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,440	3,092	-21.1%	2,537	-3.8%
BRENT CRUDE OIL 1 M CSO	12,350	5,300	133.0%	18,400	-32.9%
BRENT OIL LAST DAY	54,082	152,037	-64.4%	51,226	5.6%
COAL API2 INDEX	90	245	-63.3%	90	0.0%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	156,500	197,933	-20.9%	155,525	0.6%
CRUDE OIL APO	152,964	270,849	-43.5%	148,354	3.1%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	0.0%
CRUDE OIL PHY	2,405,858	2,494,592	-3.6%	2,159,190	11.4%
ELEC FINSETTLED	0	43	-100.0%	0	-
ETHANOL SWAP	3,475	10,528	-67.0%	3,374	3.0%
FREIGHT MARKETS	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRI	0	2,250	-100.0%	0	-
HEATING OIL PHY	16,749	13,119	27.7%	13,015	28.7%
HENRY HUB FINANCIAL LAST	42,016	31,481	33.5%	40,499	3.7%
HO 1 MONTH CLNDR OPTIONS	800	0	0.0%	1,400	-42.9%
LLS CRUDE OIL	5,600	2,400	133.3%	6,075	-7.8%
MCCLOSKEY ARA ARGS COAL	0	180	-100.0%	0	-
NATURAL GAS	0	3	-100.0%	0	-
NATURAL GAS 1 M CSO FIN	39,750	27,775	43.1%	39,750	0.0%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-
NATURAL GAS 3 M CSO FIN	122,575	47,800	156.4%	54,575	124.6%
NATURAL GAS 5 M CSO FIN	6,900	20,381	-66.1%	3,500	97.1%
NATURAL GAS 6 M CSO FIN	0	0	-	43,425	-100.0%
NATURAL GAS OPT	625	9,575	-93.5%	750	-16.7%
NATURAL GAS OPTION ON CALE	224	7,784	-97.1%	224	0.0%
NATURAL GAS PHY	3,353,828	2,660,091	26.1%	3,268,395	2.6%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	12,118	6,838	77.2%	7,030	72.4%
PETROCHEMICALS	3,162	5,714	-44.7%	3,425	-7.7%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	40	1,310	-96.9%	50	-20.0%
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	144	174	-17.2%	178	-19.1%
RBOB PHY	4,889	2,888	69.3%	4,054	20.6%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	3,900	200	1,850.0%	100	3,800.0%
WTI-BRENT BULLET SWAP	120,550	170,625	-29.3%	133,000	-9.4%
WTI CRUDE OIL 1 M CSO FI	157,600	23,105	582.1%	131,975	19.4%
<b>FX Futures</b>					
AD/CD CROSS RATES	19	17	11.8%	55	-65.5%
AD/JY CROSS RATES	1,091	518	110.6%	498	119.1%
AD/NE CROSS RATES	2,462	4,345	-43.3%	2,533	-2.8%
AUSTRALIAN DOLLAR	154,210	143,703	7.3%	126,681	21.7%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
BP/JY CROSS RATES	1,727	1,779	-2.9%	1,658	4.2%
BP/SF CROSS RATES	2,531	422	499.8%	1,175	115.4%
BRAZIL REAL	49,650	78,051	-36.4%	47,629	4.2%
BRITISH POUND	211,755	231,363	-8.5%	212,064	-0.1%
CANADIAN DOLLAR	173,983	150,852	15.3%	165,097	5.4%
CD/JY CROSS RATES	0	3	-100.0%	3	-100.0%
CHINESE RENMINBI (CNH)	3,536	5,543	-36.2%	3,392	4.2%
CZECK KORUNA (EC)	0	3	-100.0%	2	-100.0%
CZECK KORUNA (US)	3	0	-	2	50.0%
EC/AD CROSS RATES	3,387	1,785	89.7%	1,883	79.9%
EC/CD CROSS RATES	4,786	3,890	23.0%	4,104	16.6%
EC/NOK CROSS RATES	2,748	1,038	164.7%	2,092	31.4%
EC/SEK CROSS RATES	5,399	1,416	281.3%	5,182	4.2%
EFX/BP CROSS RATES	29,624	31,322	-5.4%	33,028	-10.3%
EFX/JY CROSS RATES	19,423	21,747	-10.7%	19,986	-2.8%
EFX/SF CROSS RATES	16,072	15,285	5.1%	13,093	22.8%
E-MICRO USD/CAD	27	28	-3.6%	71	-62.0%
E-MICRO USD/CHF	76	29	162.1%	76	0.0%
E-MICRO USD/JPY	256	296	-13.5%	62	312.9%
E-MINI EURO FX	10,169	14,752	-31.1%	15,103	-32.7%
E-MINI JAPANESE YEN	818	793	3.2%	987	-17.1%
EURO FX	743,516	658,648	12.9%	803,963	-7.5%
HUNGARIAN FORINT (EC)	3	0	-	3	0.0%
HUNGARIAN FORINT (US)	0	0	-	7	-100.0%
INDIAN RUPEE	3,104	823	277.2%	3,346	-7.2%
JAPANESE YEN	167,721	240,682	-30.3%	200,047	-16.2%
KOREAN WON	1,390	163	752.8%	111	1,152.3%
MEXICAN PESO	244,404	165,773	47.4%	294,741	-17.1%
MICRO AUD/USD	5,422	4,065	33.4%	7,247	-25.2%
MICRO CAD/USD	3,779	1,637	130.8%	4,774	-20.8%
MICRO CHF/USD	1,195	1,143	4.5%	1,604	-25.5%
MICRO EUR/USD	12,850	24,337	-47.2%	16,306	-21.2%
MICRO GBP/USD	3,081	3,576	-13.8%	5,203	-40.8%
MICRO INR/USD	10	14	-28.6%	13	-23.1%
MICRO JPY/USD	0	0	-	0	-
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	34,363	33,970	1.2%	40,006	-14.1%
NKR/USD CROSS RATE	1,877	1,150	63.2%	1,929	-2.7%
POLISH ZLOTY (EC)	93	234	-60.3%	91	2.2%
POLISH ZLOTY (US)	663	435	52.4%	517	28.2%
RMB USD	0	1	-100.0%	0	-
RUSSIAN RUBLE	0	786	-100.0%	0	-
S.AFRICAN RAND	30,256	24,166	25.2%	24,496	23.5%
SF/JY CROSS RATES	776	728	6.6%	785	-1.1%
SHEKEL	12	1	1,100.0%	22	-45.5%
SKR/USD CROSS RATES	900	1,987	-54.7%	1,811	-50.3%
SWISS FRANC	36,315	40,264	-9.8%	41,991	-13.5%
TURKISH LIRA	74	56	32.1%	57	29.8%
USDZAR	0	0	-	6	-100.0%

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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	356	-94.9%	18	0.0%
AUD/USD MONDAY OPTION WEE	281	2	13,950.0%	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	6	-100.0%
AUD/USD MONDAY OPTION WEE	0	0	-	0	0.0%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONTHLY OPTIONS	62,366	210,918	-70.4%	41,198	51.4%
AUD/USD WKLY FRIDAY OPTION	0	1,610	-100.0%	0	-
AUD/USD WKLY FRIDAY OPTION	1,903	0	-	1,337	42.3%
AUD/USD WKLY FRIDAY OPTION	793	1,214	-34.7%	769	3.1%
AUD/USD WKLY FRIDAY OPTION	592	898	-34.1%	584	1.4%
AUD/USD WKLY FRIDAY OPTION	0	474	-100.0%	318	-100.0%
AUD/USD WKLY WED OPTIONS -	115	381	-69.8%	117	-1.7%
AUD/USD WKLY WED OPTIONS -	187	406	-53.9%	19	884.2%
AUD/USD WKLY WED OPTIONS -	4	6	-33.3%	4	0.0%
AUD/USD WKLY WED OPTIONS -	0	0	-	8	-100.0%
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
BRL/USD MONTHLY OPTIONS	0	188	-100.0%	0	-
CAD/USD MONDAY OPTIONS WE	1,676	154	988.3%	203	725.6%
CAD/USD MONDAY OPTIONS WE	939	744	26.2%	1,215	-22.7%
CAD/USD MONDAY OPTIONS WE	5	51	-90.2%	6	-16.7%
CAD/USD MONDAY OPTIONS WE	186	50	272.0%	0	0.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONTHLY OPTIONS	134,628	195,049	-31.0%	186,228	-27.7%
CAD/USD WKLY FRIDAY OPTION	0	4,864	-100.0%	0	-
CAD/USD WKLY FRIDAY OPTION	1,427	0	-	2,050	-30.4%
CAD/USD WKLY FRIDAY OPTION	771	1,826	-57.8%	1,185	-34.9%
CAD/USD WKLY FRIDAY OPTION	858	824	4.1%	580	47.9%
CAD/USD WKLY FRIDAY OPTION	0	625	-100.0%	346	-100.0%
CAD/USD WKLY WED OPTIONS -	890	644	38.2%	213	317.8%
CAD/USD WKLY WED OPTIONS -	25	104	-76.0%	266	-90.6%
CAD/USD WKLY WED OPTIONS -	9	7	28.6%	1,093	-99.2%
CAD/USD WKLY WED OPTIONS -	0	0	-	8	-100.0%
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
CHF/USD MONTHLY OPTIONS	7,160	6,515	9.9%	9,499	-24.6%
CHF/USD WKLY FRIDAY OPTION	0	509	-100.0%	0	-
CHF/USD WKLY FRIDAY OPTION	387	0	-	158	144.9%
CHF/USD WKLY FRIDAY OPTION	13	7	85.7%	110	-88.2%
CHF/USD WKLY FRIDAY OPTION	867	0	-	3	28,800.0%
CHF/USD WKLY FRIDAY OPTION	0	0	-	6	-100.0%
EUR/GBP MONTHLY OPTIONS	0	1,750	-100.0%	0	-
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EURODOLLARS	0	0	-	0	0.0%
EUR/USD MONDAY OPTION WEE	704	1,780	-60.4%	2,676	-73.7%
EUR/USD MONDAY OPTION WEE	924	48	1,825.0%	490	88.6%
EUR/USD MONDAY OPTION WEE	172	375	-54.1%	1,381	-87.5%
EUR/USD MONDAY OPTION WEE	0	380	-100.0%	0	0.0%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-
EUR/USD MONTHLY OPTIONS	396,301	205,027	93.3%	358,484	10.5%
EUR/USD WKLY FRIDAY OPTION	0	20,303	-100.0%	0	-
EUR/USD WKLY FRIDAY OPTION	6,130	0	-	7,644	-19.8%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Options</b>					
EUR/USD WKLY FRIDAY OPTION	693	2,917	-76.2%	10,662	-93.5%
EUR/USD WKLY FRIDAY OPTION	1,137	3,398	-66.5%	1,571	-27.6%
EUR/USD WKLY FRIDAY OPTION	0	2,292	-100.0%	241	-100.0%
EUR/USD WKLY WED OPTIONS -	4,199	3,969	5.8%	3,008	39.6%
EUR/USD WKLY WED OPTIONS -	2,401	1,395	72.1%	3,924	-38.8%
EUR/USD WKLY WED OPTIONS -	44	70	-37.1%	1,477	-97.0%
EUR/USD WKLY WED OPTIONS -	0	70	-100.0%	1,012	-100.0%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
GBP/USD MONDAY OPTION WEE	442	590	-25.1%	652	-32.2%
GBP/USD MONDAY OPTION WEE	30	1	2,900.0%	934	-96.8%
GBP/USD MONDAY OPTION WEE	9	3	200.0%	810	-98.9%
GBP/USD MONDAY OPTION WEE	0	101	-100.0%	0	0.0%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONTHLY OPTIONS	91,786	92,518	-0.8%	96,271	-4.7%
GBP/USD WKLY FRIDAY OPTION	0	2,814	-100.0%	0	-
GBP/USD WKLY FRIDAY OPTION	705	0	-	2,354	-70.1%
GBP/USD WKLY FRIDAY OPTION	796	1,362	-41.6%	2,047	-61.1%
GBP/USD WKLY FRIDAY OPTION	742	1,947	-61.9%	852	-12.9%
GBP/USD WKLY FRIDAY OPTION	0	1,401	-100.0%	632	-100.0%
GBP/USD WKLY WED OPTIONS -	770	167	361.1%	121	536.4%
GBP/USD WKLY WED OPTIONS -	0	27	-100.0%	1,987	-100.0%
GBP/USD WKLY WED OPTIONS -	260	0	-	26	900.0%
GBP/USD WKLY WED OPTIONS -	0	0	-	71	-100.0%
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
JPY/USD MONDAY OPTION WEE	539	889	-39.4%	1,003	-46.3%
JPY/USD MONDAY OPTION WEE	17	17	0.0%	2,628	-99.4%
JPY/USD MONDAY OPTION WEE	13	28	-53.6%	67	-80.6%
JPY/USD MONDAY OPTION WEE	0	0	-	0	0.0%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	92,383	102,487	-9.9%	102,742	-10.1%
JPY/USD WKLY FRIDAY OPTION	0	8,812	-100.0%	0	-
JPY/USD WKLY FRIDAY OPTION	1,286	0	-	3,808	-66.2%
JPY/USD WKLY FRIDAY OPTION	491	1,580	-68.9%	1,494	-67.1%
JPY/USD WKLY FRIDAY OPTION	491	1,061	-53.7%	467	5.1%
JPY/USD WKLY FRIDAY OPTION	0	652	-100.0%	2	-100.0%
JPY/USD WKLY WED OPTIONS -	1,799	2,704	-33.5%	3,995	-55.0%
JPY/USD WKLY WED OPTIONS -	1,289	773	66.8%	818	57.6%
JPY/USD WKLY WED OPTIONS -	7	25	-72.0%	613	-98.9%
JPY/USD WKLY WED OPTIONS -	0	0	-	2	-100.0%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
MXN/USD MONTHLY OPTIONS	197	20,773	-99.1%	1,450	-86.4%
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	91	8	1,037.5%	34	167.6%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	0	0	-	0	-
<b>Foreign Exchange Options</b>					
AUD/USD WKLY WED OPTIONS -	4	6	-33.3%	4	0.0%
OTC AUDUSD SUB	19	0	-	8	137.5%
OTC EURUSD SUB	80	0	-	150	-46.7%
OTC GBPUSD SUB	1	0	-	2	-50.0%
OTC USDCAD SUB	881	0	-	193	356.5%
OTC USDJPY SUB	10	0	-	5	100.0%
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	3,405	4,237	-19.6%	2,750	23.8%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	915	1,047	-12.6%	742	23.3%
BUTTER CS	9,950	10,328	-3.7%	9,873	0.8%
CASH-SETTLED CHEESE	22,131	15,685	41.1%	21,489	3.0%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	322,123	309,060	4.2%	363,343	-11.3%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	2,450	1,000	145.0%	0	-
CDD WEATHER	0	2,000	-100.0%	0	-
CHI WHEAT	377,148	344,105	9.6%	341,154	10.6%
CLASS IV MILK	6,046	13,294	-54.5%	7,091	-14.7%
COFFEE	0	0	-	0	-
CORN	1,337,031	1,532,938	-12.8%	1,248,175	7.1%
DJ_UBS ROLL SELECT INDEX FU	11,300	11,655	-3.0%	11,525	-2.0%
DOW-UBS COMMOD INDEX	61,106	33,216	84.0%	60,775	0.5%
DOW-UBS COMMOD INDEX SWA	31,740	0	-	0	-
DRY WHEY	3,061	2,323	31.8%	2,727	12.2%
FEEDER CATTLE	61,629	40,606	51.8%	50,707	21.5%
FERTILIZER PRODUCTS	0	0	-	0	-
GOLDMAN SACHS	555	1,631	-66.0%	955	-41.9%
GSCI EXCESS RETURN FUT	37,102	65,593	-43.4%	44,635	-16.9%
HDD EURO SEASONAL STRIP	2,375	0	-	2,375	0.0%
HDD SEASONAL STRIP	2,900	450	544.4%	3,900	-25.6%
HDD WEATHER	2,000	3,850	-48.1%	5,900	-66.1%
HDD WEATHER EUROPEAN	2,500	2,925	-14.5%	7,500	-66.7%
HOGS	224,104	238,090	-5.9%	217,279	3.1%
HOUSING INDEX	40	32	25.0%	70	-42.9%
KC WHEAT	171,185	178,555	-4.1%	166,388	2.9%
LUMBER	4,091	2,721	50.3%	3,543	15.5%
MALAYSIAN PALM SWAP	0	0	-	0	-
MILK	24,949	29,887	-16.5%	26,450	-5.7%
MINI CORN	8,426	16,536	-49.0%	6,557	28.5%
MINI SOYBEAN	17,731	28,611	-38.0%	15,468	14.6%
MINI WHEAT	2,788	5,819	-52.1%	2,866	-2.7%
MLK MID OPTIONS	0	0	0.0%	0	-
NFD MILK	10,026	8,834	13.5%	9,553	5.0%
OATS	4,139	3,093	33.8%	4,116	0.6%
OTC SP GSCI ER SWAP	38,449	0	-	32,515	18.3%
PACIFIC RIM DAT SS WTHR	0	1,000	-100.0%	0	-
PORK CUTOUT	426	1,891	-77.5%	320	33.1%
ROUGH RICE	8,129	10,267	-20.8%	8,868	-8.3%
SOYBEAN	725,811	761,472	-4.7%	672,756	7.9%
SOYBEAN MEAL	427,036	398,535	7.2%	423,624	0.8%
SOYBEAN OIL	480,502	343,732	39.8%	433,307	10.9%
S&P GSCI ENHANCED ER SWAP	0	1,001	-100.0%	0	-
USD CRUDE PALM OIL	54,045	49,343	9.5%	46,876	15.3%
WHEAT	1,620	4,963	-67.4%	1,800	-10.0%

### Ag Products Options

AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Ag Products Options</b>					
BLOCK CHEESE	542	600	-9.7%	260	108.5%
BUTTER CS	7,215	7,554	-4.5%	6,661	8.3%
CASH-SETTLED CHEESE	27,108	29,633	-8.5%	27,612	-1.8%
CATTLE	289,169	206,762	39.9%	251,910	14.8%
CDD SEASONAL STRIP	21,000	5,000	320.0%	18,000	16.7%
CDD WEATHER	54,000	0	-	48,000	12.5%
CHI WHEAT	290,884	365,308	-20.4%	256,482	13.4%
CLASS IV MILK	33,973	29,431	15.4%	34,355	-1.1%
CORN	1,253,272	1,639,742	-23.6%	992,326	26.3%
CORN NEARBY+2 CAL SPRD	64,803	60,788	6.6%	52,040	24.5%
DEC-DEC CORN CAL SPRD	0	0	-	0	-
DEC-JULY CORN CAL SPRD	110	1,500	-92.7%	0	-
DEC-JULY WHEAT CAL SPRD	180	0	-	180	0.0%
DRY WHEY	994	2,676	-62.9%	1,300	-23.5%
FEEDER CATTLE	55,417	52,438	5.7%	53,867	2.9%
HDD EURO SEASONAL STRIP	6,750	2,000	237.5%	6,750	0.0%
HDD SEASONAL STRIP	3,500	18,500	-81.1%	4,000	-12.5%
HDD WEATHER	7,000	3,500	100.0%	25,200	-72.2%
HDD WEATHER EUROPEAN	15,000	1,000	1,400.0%	20,000	-25.0%
HOGS	292,767	307,619	-4.8%	237,195	23.4%
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	17,476	21,799	-19.8%	18,047	-3.2%
JULY-DEC SOYMEAL CAL SPRD	730	0	-	0	-
JULY-DEC SOY OIL CAL SPRD	2,210	0	-	2,150	2.8%
JULY-DEC WHEAT CAL SPRD	0	3,250	-100.0%	0	-
JULY-JULY WHEAT CAL SPRD	10	1	900.0%	0	-
JULY-NOV SOYBEAN CAL SPRD	25,274	10,234	147.0%	19,204	31.6%
KC WHEAT	53,796	68,733	-21.7%	45,049	19.4%
LUMBER	148	451	-67.2%	12	1,133.3%
LV CATL CSO	30	0	-	30	0.0%
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	102,989	82,450	24.9%	97,240	5.9%
MLK MID OPTIONS	10	39	-74.4%	10	0.0%
NFD MILK	14,587	13,572	7.5%	14,448	1.0%
NOV-JULY SOYBEAN CAL SPRD	0	300	-100.0%	0	-
NOV-MAR SOYBEAN CSO	15	0	-	10	50.0%
OATS	277	635	-56.4%	198	39.9%
PORK CUTOUT	0	25	-100.0%	0	-
ROUGH RICE	2,338	2,107	11.0%	2,230	4.8%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	596,254	747,779	-20.3%	395,722	50.7%
SOYBEAN CRUSH	0	236	-100.0%	0	-
SOYBEAN MEAL	185,013	175,488	5.4%	141,317	30.9%
SOYBEAN OIL	153,040	178,086	-14.1%	113,467	34.9%
SOYBN NEARBY+2 CAL SPRD	3,571	4,185	-14.7%	200	1,685.5%
SOYMEAL NEARBY+2 CAL SPRD	0	400	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest MAR 2023	Open Interest MAR 2022	% CHG	Open Interest FEB 2023	% CHG
<b>Ag Products Options</b>					
SOY OIL NEARBY+2 CAL SPRD	25	0	-	100	-75.0%
WHEAT	286	400	-28.5%	449	-36.3%
WHEAT-CORN ICSD	220	1,000	-78.0%	220	0.0%
WHEAT NEARBY+2 CAL SPRD	1,186	16,011	-92.6%	686	72.9%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	32,142,278	31,535,805	1.9%	34,055,204	-5.6%
Equity Index Futures	4,288,214	3,997,159	7.3%	4,328,572	-0.9%
Metals Futures	1,035,463	1,151,551	-10.1%	995,365	4.0%
Energy Futures	6,596,942	6,681,995	-1.3%	6,296,377	4.8%
FX Futures	1,985,556	1,913,619	3.8%	2,105,532	-5.7%
Foreign Exchange Futures	0	0	-	0	-
Ags Futures	3,405	4,237	-19.6%	2,750	23.8%
Ag Products Futures	4,497,559	4,476,088	0.5%	4,255,222	5.7%
<b>TOTAL FUTURES</b>	<b>50,549,417</b>	<b>49,760,454</b>	<b>1.6%</b>	<b>52,039,022</b>	<b>-2.9%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	48,946,906	41,568,709	17.7%	53,693,014	-8.8%
Equity Index Options	5,116,528	4,505,549	13.6%	5,093,135	0.5%
Metals Options	1,096,172	979,423	11.9%	927,744	18.2%
Energy Options	6,679,229	6,168,522	8.3%	6,290,116	6.2%
FX Options	822,948	912,940	-9.9%	865,997	-5.0%
Foreign Exchange Options	995	6	16,483.3%	362	174.9%
Ag Products Options	3,583,169	4,061,232	-11.8%	2,886,927	24.1%
<b>TOTAL OPTIONS</b>	<b>66,245,947</b>	<b>58,196,381</b>	<b>13.8%</b>	<b>69,757,295</b>	<b>-5.0%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	81,089,184	73,104,514	10.9%	87,748,218	-7.6%
Equity Index	9,404,742	8,502,708	10.6%	9,421,707	-0.2%
Metals	2,131,635	2,130,974	0.0%	1,923,109	10.8%
Energy	13,276,171	12,850,517	3.3%	12,586,493	5.5%
FX	2,808,504	2,826,559	-0.6%	2,971,529	-5.5%
Foreign Exchange	995	6	16,483.3%	362	174.9%
Ags	3,405	4,237	-19.6%	2,750	23.8%
Ag Products	8,080,728	8,537,320	-5.3%	7,142,149	13.1%
<b>GRAND TOTAL</b>	<b>116,795,364</b>	<b>107,956,835</b>	<b>8.2%</b>	<b>121,796,317</b>	<b>-4.1%</b>

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