



## CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Interest Rate Futures</b>					
10-YR Eris LIBOR	0	66,273	-100.0%	55,250	-100.0%
10-YR Eris SOFR	76,943	1,372	5,508.1%	19,457	295.5%
10-YR MAC LIBOR	0	11,913	-100.0%	7,520	-100.0%
10-YR MAC SOFR	0	0	-	0	-
10-YR NOTE	4,724,880	3,416,296	38.3%	4,698,984	0.6%
10Y YIELD	5,698	2,608	118.5%	7,012	-18.7%
15-YR Eris LIBOR	0	0	-	0	-
1-MONTH EURODOLLAR	0	47,719	-100.0%	0	-
1-YR Eris BSBY	0	0	-	0	-
1-YR Eris SOFR	7,598	6,445	17.9%	13,907	-45.4%
20-YR BOND	89	687	-87.0%	139	-36.0%
20-YR Eris LIBOR	0	0	-	0	-
2-YR Eris LIBOR	0	114,359	-100.0%	3,298	-100.0%
2-YR Eris SOFR	22,227	4,561	387.3%	18,522	20.0%
2-YR NOTE	3,664,567	2,106,627	74.0%	3,206,198	14.3%
2Y YIELD	926	197	370.1%	729	27.0%
30-Year UMBS TBA Futures - 2.5%	0	0	-	0	-
30-Year UMBS TBA Futures - 3.0%	30	0	-	32	-6.3%
30-Year UMBS TBA Futures - 3.5%	30	0	-	30	0.0%
30-Year UMBS TBA Futures - 4.0%	7	0	-	86	-91.9%
30-Year UMBS TBA Futures - 4.5%	75	0	-	261	-71.3%
30-Year UMBS TBA Futures - 5.0%	182	0	-	67	171.6%
30-Year UMBS TBA Futures - 5.5%	30	0	-	340	-91.2%
30-Year UMBS TBA Futures - 6.0%	120	0	-	0	0.0%
30-YR BOND	1,244,847	1,190,570	4.6%	1,267,458	-1.8%
30-YR Eris LIBOR	0	2,273	-100.0%	2,273	-100.0%
30-YR MAC LIBOR	0	0	-	0	-
30-YR SWAP RATE	2,273	0	-	0	-
30Y YIELD	91	3,036	-97.0%	79	15.2%
3-YR Eris BSBY	0	0	-	0	-
3-YR Eris LIBOR	0	31,882	-100.0%	13,795	-100.0%
3-YR Eris SOFR	17,538	2,816	522.8%	3,672	377.6%
3-YR NOTE	10,338	10,118	2.2%	9,289	11.3%
4-YR Eris LIBOR	0	10,898	-100.0%	6,108	-100.0%
4-YR Eris SOFR	6,628	576	1,050.7%	2,265	192.6%
5-YR Eris LIBOR	0	22,177	-100.0%	3,816	-100.0%
5-YR Eris SOFR	20,056	2,133	840.3%	19,734	1.6%
5-YR MAC LIBOR	0	18,749	-100.0%	0	-
5-YR MAC SOFR	0	0	-	0	-
5-YR NOTE	5,085,321	4,018,780	26.5%	4,847,273	4.9%
5Y YIELD	2	286	-99.3%	20	-90.0%
7-YR Eris LIBOR	0	22,123	-100.0%	16,629	-100.0%
7-YR Eris SOFR	17,218	181	9,412.7%	1,079	1,495.7%
BSBY 3-MONTH FUTURES	8,390	24,907	-66.3%	12,003	-30.1%
ESTR Basis Spread Futures	657	0	-	512	28.3%
ESTR Futures	7,001	0	-	3,092	126.4%
EURODOLLARS	0	9,557,946	-100.0%	546,908	-100.0%
FED FUND	1,753,035	1,758,069	-0.3%	1,869,012	-6.2%
FTIIE	249	91	173.6%	127	96.1%
SOFR	10,444,136	6,371,384	63.9%	11,042,057	-5.4%

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<b>Interest Rate Futures</b>					
SONIA	3,688	8,209	-55.1%	4,241	-13.0%
Ultra 10-Year Note	1,695,024	1,190,815	42.3%	1,681,137	0.8%
ULTRA T-BOND	1,522,542	1,277,346	19.2%	1,477,266	3.1%
<b>Interest Rate Options</b>					
10-YR NOTE	1,858,168	2,613,996	-28.9%	2,105,824	-11.8%
2-YR NOTE	164,453	29,272	461.8%	163,784	0.4%
30-YR BOND	400,310	518,282	-22.8%	464,457	-13.8%
5-YR NOTE	1,009,558	1,009,668	0.0%	1,144,990	-11.8%
EURODOLLARS	0	23,292,094	-100.0%	2,105,492	-100.0%
EURO MIDCURVE	0	6,222,926	-100.0%	0	-
FED FUND	1	2	-50.0%	0	-
SOFR	29,518,374	6,009,926	391.2%	36,505,454	-19.1%
SOFR MIDCURVE	5,013,159	1,231,435	307.1%	6,263,805	-20.0%
SOFR MISCURVE	0	0	-	0	-
Ultra 10-Year Note	245	0	-	245	0.0%
ULTRA T-BOND	750	650	15.4%	2,825	-73.5%

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<b>Equity Index Futures</b>					
PHLX SEMICONDUCTOR SECTO	762	0	-	165	361.8%
S&P 500	440,426	302,002	45.8%	441,620	-0.3%
S&P 500 ANNUAL DIVIDEND IND	204,510	228,177	-10.4%	206,860	-1.1%
S&P 500 QUARLY DIVIDEND IND	29,953	6,236	380.3%	41,632	-28.1%
S&P BIOTECHNOLOGY SECTOR	209	0	-	902	-76.8%
S&P COMMUNICATION SERVICE	4,268	2,272	87.9%	8,310	-48.6%
S&P CONSUMER DISCRETIONAR	8,530	8,561	-0.4%	7,257	17.5%
S&P CONSUMER STAPLES SECT	15,768	14,757	6.9%	14,176	11.2%
S&P ENERGY SECTOR	23,410	30,765	-23.9%	25,695	-8.9%
S&P FINANCIAL SECTOR	33,704	20,500	64.4%	30,751	9.6%
S&P HEALTH CARE SECTOR	13,725	19,623	-30.1%	18,412	-25.5%
S&P INDUSTRIAL SECTOR	15,062	13,994	7.6%	17,844	-15.6%
S&P MATERIALS SECTOR	17,919	5,922	202.6%	5,157	247.5%
S&P OIL & GAS EXPLORATION A	9	0	-	61	-85.2%
S&P REAL ESTATE SECTOR	6,972	3,374	106.6%	6,832	2.0%
S&P REGIONAL BANKS SECTOR	580	0	-	565	2.7%
S&P RETAIL SECTOR	786	0	-	30	2,520.0%
S&P TECHNOLOGY SECTOR	10,134	9,255	9.5%	13,360	-24.1%
S&P UTILITIES SECTOR	26,003	20,863	24.6%	27,676	-6.0%
S&P VALUE INDEX FUTURES	0	0	-	0	-
TOPIX (USD)	0	0	-	0	-
TOPIX (YEN)	23	168	-86.3%	87	-73.6%
WATER INDEX FUTURES	0	4	-100.0%	2	-100.0%
<b>Equity Index Options</b>					
BITCOIN OPTIONS	10,350	3,227	220.7%	7,808	32.6%
DJIA	0	0	-	0	0.0%
E-mini (\$5) Dow	78	860	-90.9%	591	-86.8%
E-MINI NASDAQ 100	223,927	217,768	2.8%	234,760	-4.6%
E-MINI RUSSELL 2000	40,622	44,859	-9.4%	63,357	-35.9%
E-MINI S&P500	4,898,448	4,191,755	16.9%	5,206,627	-5.9%
EOM S&P 500	0	0	-	0	-
ETHER OPTIONS	2,605	0	-	1,731	50.5%
EVENT CONTRACT S&P 500	0	0	-	0	0.0%
MICRO BITCOIN	9,562	6,284	52.2%	5,399	77.1%
MICRO E-MINI NASDAQ 100	10,118	4,741	113.4%	11,497	-12.0%
Micro E-mini S&P 500	45,909	41,870	9.6%	55,292	-17.0%
MICRO ETHER	26,712	3,757	611.0%	18,208	46.7%
S&P 500	0	0	-	0	-

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<b>Metals Futures</b>					
ALUMINUM	54,983	53,662	2.5%	57,488	-4.4%
COBALT METAL FUTURES	21,224	4,553	366.2%	21,205	0.1%
COMEX COPPER	190,619	182,924	4.2%	225,332	-15.4%
COMEX E-Mini GOLD	1,196	1,695	-29.4%	1,033	15.8%
COMEX E-Mini SILVER	347	361	-3.9%	446	-22.2%
COMEX GOLD	440,991	495,832	-11.1%	445,179	-0.9%
COMEX MINY COPPER	356	369	-3.5%	423	-15.8%
COMEX SILVER	114,102	139,925	-18.5%	133,598	-14.6%
COPPER	15,858	15,598	1.7%	18,215	-12.9%
FERROUS PRODUCTS	4,705	6,450	-27.1%	5,122	-8.1%
GOLD	748	1,049	-28.7%	739	1.2%
HOT ROLLED COIL STEEL FUTU	6,327	2,380	165.8%	6,504	-2.7%
IRON ORE CHINA	740	2,576	-71.3%	0	-
METALS	2,393	232	931.5%	2,642	-9.4%
MICRO GOLD	24,452	24,388	0.3%	27,422	-10.8%
NYMEX HOT ROLLED STEEL	23,581	29,796	-20.9%	29,307	-19.5%
NYMEX PLATINUM	69,283	69,507	-0.3%	69,102	0.3%
PALLADIUM	14,631	7,398	97.8%	11,006	32.9%
SILVER	7,444	7,422	0.3%	9,153	-18.7%
URANIUM	0	800	-100.0%	0	-
<b>Metals Options</b>					
ALUMINUM	1,035	0	-	846	22.3%
COMEX COPPER	77,294	71,576	8.0%	88,420	-12.6%
COMEX GOLD	764,717	775,830	-1.4%	789,744	-3.2%
COMEX SILVER	96,724	86,196	12.2%	120,599	-19.8%
COPPER	937	581	61.3%	919	2.0%
GOLD	26,681	36,522	-26.9%	39,221	-32.0%
IRON ORE CHINA	0	0	-	0	-
NYMEX HOT ROLLED STEEL	6,950	3,259	113.3%	8,405	-17.3%
NYMEX PLATINUM	23,754	6,995	239.6%	34,812	-31.8%
PALLADIUM	1,706	7	24,271.4%	1,337	27.6%
SILVER	4,001	3,848	4.0%	9,516	-58.0%
<b>Energy Futures</b>					
AEP-DAYTON HUB DAILY	0	10	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	4,945	7,469	-33.8%	6,695	-26.1%
ARGUS PROPAN FAR EST INDE	6,741	5,429	24.2%	6,479	4.0%
ARGUS PROPAN(SAUDI ARAMC	2,024	1,702	18.9%	1,884	7.4%
BRENT BALMO SWAP	20	100	-80.0%	0	-
BRENT CALENDAR SWAP	25,722	46,153	-44.3%	28,984	-11.3%
BRENT FINANCIAL FUTURES	200	0	-	260	-23.1%
BRENT OIL LAST DAY	147,001	174,946	-16.0%	151,157	-2.7%
CAR VINTAGE	25,064	17,555	42.8%	28,597	-12.4%
CHICAGO ETHANOL SWAP	40,736	34,643	17.6%	41,473	-1.8%
CHICAGO ULSD PL VS HO SPR	2,395	743	222.3%	3,070	-22.0%
CHICAGO UNL GAS PL VS RBO	0	25	-100.0%	0	-

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<b>Energy Futures</b>					
CONWAY NATURAL GASOLINE (	413	2,244	-81.6%	419	-1.4%
CONWAY NORMAL BUTANE (OPI	1,283	1,499	-14.4%	816	57.2%
CONWAY PROPANE 5 DECIMALS	28,363	26,453	7.2%	26,477	7.1%
CRUDE OIL	0	0	-	0	-
CRUDE OIL LAST DAY	1,500	0	-	1,800	-16.7%
CRUDE OIL OUTRIGHTS	242,282	151,720	59.7%	234,048	3.5%
CRUDE OIL PHY	1,837,756	1,647,671	11.5%	1,947,334	-5.6%
CRUDE OIL SPRDS	207,174	143,759	44.1%	207,913	-0.4%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	0	6,336	-100.0%	0	-
DATED TO FRONTLINE BRENT	1,295	2,395	-45.9%	1,480	-12.5%
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	16,922	4,636	265.0%	2,790	506.5%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,525	1,062	43.6%	1,622	-6.0%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	50	209	-76.1%	62	-19.4%
ETHANOL	0	0	-	0	-
ETHANOL SWAP	900	565	59.3%	775	16.1%
ETHANOL T2 FOB ROTT INCL DU	6,031	5,509	9.5%	5,676	6.3%
EURO 3.5% FUEL OIL RDAM B	87	0	-	39	123.1%
EURO GASOIL 10 CAL SWAP	1	0	-	2	-50.0%
EURO GASOIL 10PPM VS ICE	210	704	-70.2%	240	-12.5%
EUROPE 1% FUEL OIL NWE CA	0	35	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	76	149	-49.0%	84	-9.5%
EUROPEAN GASOIL (ICE)	462	2,607	-82.3%	867	-46.7%
EUROPEAN NAPHTHA BALMO	0	5	-100.0%	23	-100.0%
EUROPEAN NAPHTHA CRACK SP	5,988	7,687	-22.1%	5,795	3.3%
EUROPE DATED BRENT SWAP	0	8	-100.0%	0	-
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	1,315	737	78.4%	1,238	6.2%
EURO PROPANE CIF ARA SWA	2,968	2,737	8.4%	2,835	4.7%
FREIGHT MARKETS	386	897	-57.0%	364	6.0%
FUEL OIL CRACK VS ICE	24	639	-96.2%	27	-11.1%
FUEL OIL NWE CRACK VS ICE	30	69	-56.5%	30	0.0%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-
GAS EURO-BOB OXY NWE BARG	644	512	25.8%	519	24.1%
GAS EURO-BOB OXY NWE BARG	3,970	8,109	-51.0%	3,855	3.0%
GASOIL 0.1CIF MED VS ICE	0	35	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-
GASOIL 0.1 ROTTERDAM BARG	0	53	-100.0%	0	-
GASOIL 10PPM VS ICE SWAP	12	0	-	12	0.0%
GASOIL CALENDAR SWAP	80	321	-75.1%	84	-4.8%
GASOIL CRACK SPREAD CALEN	528	3,026	-82.6%	534	-1.1%
GASOIL MINI CALENDAR SWAP	493	805	-38.8%	451	9.3%
GERMAN POWER BASELOAD CA	0	126	-100.0%	0	-

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<b>Energy Futures</b>					
GRP THREE ULSD(PLT)VS HEA	9,185	6,650	38.1%	9,162	0.3%
GRP THREE UNL GS (PLT) VS	3,147	4,545	-30.8%	3,125	0.7%
GULF COAST 3% FUEL OIL BA	0	0	-	0	-
GULF COAST JET FUEL CLNDR	0	0	-	0	-
GULF COAST JET VS NYM 2 H	17,939	10,765	66.6%	18,527	-3.2%
GULF COAST NO.6 FUEL OIL	18,261	10,175	79.5%	18,769	-2.7%
GULF COAST ULSD CALENDAR	1,590	917	73.4%	1,694	-6.1%
GULF COAST ULSD CRACK SPR	0	0	-	0	-
HEATING OIL BALMO CLNDR S	295	100	195.0%	40	637.5%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	304,373	258,624	17.7%	311,255	-2.2%
HENRY HUB SWAP	433,375	512,992	-15.5%	442,276	-2.0%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-
HTG OIL	93	81	14.8%	102	-8.8%
ICE BRENT DUBAI SWAP	140	1,525	-90.8%	210	-33.3%
ICE GASOIL BALMO SWAP	0	0	-	0	-
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL ICI4	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	5	104	-95.2%	0	-
JAPAN C&F NAPHTHA SWAP	622	340	82.9%	557	11.7%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0	-
JET CIF NWE VS ICE	559	988	-43.4%	626	-10.7%
JET FUEL UP-DOWN BALMO CL	1,375	663	107.4%	202	580.7%
JKM LNG Futures	260	1,456	-82.1%	345	-24.6%
LA CARB DIESEL (OPIS) SWA	717	907	-20.9%	864	-17.0%
LA CARBOB GASOLINE(OPIS)S	50	0	-	100	-50.0%
LA JET (OPIS) SWAP	1,505	675	123.0%	1,285	17.1%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-
LLS (ARGUS) VS WTI SWAP	639	2,233	-71.4%	696	-8.2%
LTD NAT GAS	365,104	391,943	-6.8%	378,961	-3.7%
MARS (ARGUS) VS WTI SWAP	0	675	-100.0%	0	-
MARS (ARGUS) VS WTI TRD M	9,780	18,272	-46.5%	11,065	-11.6%
MCCLOSKEY ARA ARGS COAL	6,903	11,083	-37.7%	6,263	10.2%
MCCLOSKEY RCH BAY COAL	66	745	-91.1%	76	-13.2%
MGN1 SWAP FUT	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	0	10	-100.0%	0	-
MINI RBOB V. EBOBARG NWE BF	0	50	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NW	385	525	-26.7%	485	-20.6%
MINY HTG OIL	0	0	0.0%	2	-100.0%
MINY NATURAL GAS	13,322	4,525	194.4%	14,136	-5.8%
MINY RBOB GAS	1	1	0.0%	2	-50.0%
MINY WTI CRUDE OIL	3,777	4,951	-23.7%	4,857	-22.2%
MJC FUT	0	0	-	0	-
MNC FUT	1,235	2,610	-52.7%	1,693	-27.1%
MONT BELVIEU ETHANE 5 DECI	51,353	45,959	11.7%	54,134	-5.1%
MONT BELVIEU ETHANE OPIS B	415	1,015	-59.1%	70	492.9%
MONT BELVIEU LDH PROPANE 5	173,057	121,681	42.2%	154,890	11.7%
MONT BELVIEU LDH PROPANE C	1,265	1,335	-5.2%	1,459	-13.3%
MONT BELVIEU NATURAL GASO	35,921	38,125	-5.8%	30,703	17.0%
MONT BELVIEU NATURAL GASO	1,805	1,269	42.2%	1,893	-4.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Energy Futures</b>					
MONT BELVIEU NORMAL BUTAN	65,285	50,730	28.7%	60,220	8.4%
MONT BELVIEU NORMAL BUTAN	767	1,325	-42.1%	1,746	-56.1%
NATURAL GAS	192,284	239,839	-19.8%	197,452	-2.6%
NATURAL GAS PEN SWP	137,966	214,138	-35.6%	139,220	-0.9%
NATURAL GAS PHY	1,234,829	985,101	25.4%	1,371,662	-10.0%
NEPOOL INTR HUB 5MW D AH	0	3,699	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	0	93	-100.0%	0	-
NEW YORK ETHANOL SWAP	1,715	2,051	-16.4%	1,055	62.6%
NEW YORK HUB ZONE G PEAK	0	775	-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	11,932	7,176	66.3%	11,958	-0.2%
NY HARBOR LOW SULPUR GAS	0	350	-100.0%	0	-
NY HARBOR RESIDUAL FUEL 1	230	325	-29.2%	255	-9.8%
NYH NO 2 CRACK SPREAD CAL	20,421	13,699	49.1%	17,707	15.3%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH PK	0	2,675	-100.0%	0	-
NY ULSD (ARGUS) VS HEATING	2,844	542	424.7%	2,767	2.8%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-
PETROCHEMICALS	12,585	12,708	-1.0%	12,215	3.0%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	26,081	37,007	-29.5%	25,355	2.9%
PETRO CRK&SPRD EURO	2,380	2,581	-7.8%	2,252	5.7%
PETROLEUM PRODUCTS	8,041	8,856	-9.2%	9,198	-12.6%
PETROLEUM PRODUCTS ASIA	683	1,273	-46.3%	606	12.7%
PETRO OUTRIGHT EURO	13,883	19,793	-29.9%	14,551	-4.6%
PETRO OUTRIGHT NA	9,462	3,630	160.7%	6,457	46.5%
PJM AD HUB 5MW REAL TIME	0	12,560	-100.0%	0	-
PJM DAILY	126	284	-55.6%	126	0.0%
PJM NI HUB 5MW REAL TIME	0	200	-100.0%	0	-
PJM WESTH RT OFF-PEAK	0	107,325	-100.0%	0	-
PJM WESTH RT PEAK	7,938	23,876	-66.8%	9,324	-14.9%
PLASTICS	3,994	4,193	-4.7%	4,092	-2.4%
PREMIUM UNLD 10P FOB MED	5	105	-95.2%	10	-50.0%
PROPANE NON-LDH MB (OPIS) B	1,070	1,855	-42.3%	650	64.6%
PROPANE NON-LDH MT. BEL (OF	72,286	40,426	78.8%	54,400	32.9%
RBOB CALENDAR SWAP	12,940	11,098	16.6%	15,092	-14.3%
RBOB CRACK SPREAD	9,616	15,459	-37.8%	10,176	-5.5%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	66	59	11.9%	72	-8.3%
RBOB GASOLINE BALMO CLNDR	1,359	792	71.6%	2,058	-34.0%
RBOB PHY	321,655	276,396	16.4%	302,528	6.3%
RBOB VS HEATING OIL SWAP	205	375	-45.3%	230	-10.9%
SINGAPORE 180CST BALMO	3	0	-	6	-50.0%
SINGAPORE 380CST BALMO	0	0	-	0	-
SINGAPORE 380CST FUEL OIL	368	212	73.6%	363	1.4%
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	30	170.0%	81	0.0%
SINGAPORE GASOIL	355	1,130	-68.6%	312	13.8%
SINGAPORE GASOIL CALENDAR	53	168	-68.5%	78	-32.1%
SINGAPORE GASOIL SWAP	478	998	-52.1%	461	3.7%
SINGAPORE GASOIL VS ICE	1,316	4,290	-69.3%	1,510	-12.8%
SINGAPORE JET KERO GASOIL	1,171	3,494	-66.5%	1,328	-11.8%
SINGAPORE JET KEROSENE SW	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	0	600	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	335	400	-16.3%	800	-58.1%
TC2 ROTTERDAM TO USAC 37K	152	115	32.2%	172	-11.6%
TC5 RAS TANURA TO YOKOHAM	70	270	-74.1%	80	-12.5%
TD3 MEG TO JAPAN 250K MT	1,715	3,645	-52.9%	1,780	-3.7%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	6,165	3,420	80.3%	7,325	-15.8%
UP DOWN GC ULSD VS NMX HO	38,395	31,808	20.7%	38,980	-1.5%
WTI-BRENT CALENDAR SWAP	116,906	104,771	11.6%	116,580	0.3%
WTI CALENDAR	134,927	167,221	-19.3%	141,336	-4.5%
WTI MIDLAND CRUDE OIL	1,760	0	-	930	89.2%
WTS (ARGUS) VS WTI SWAP	22,178	26,654	-16.8%	18,766	18.2%
WTS (ARGUS) VS WTI TRD MT	1,720	7,305	-76.5%	2,094	-17.9%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,809	2,974	-5.5%	2,812	-0.1%
BRENT CRUDE OIL 1 M CSO	4,800	2,200	118.2%	5,250	-8.6%
BRENT OIL LAST DAY	47,261	113,631	-58.4%	47,988	-1.5%
COAL API2 INDEX	305	365	-16.4%	205	48.8%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	157,875	166,158	-5.0%	167,250	-5.6%
CRUDE OIL APO	162,009	231,488	-30.0%	165,012	-1.8%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	0.0%
CRUDE OIL PHY	2,153,883	2,191,283	-1.7%	2,251,915	-4.4%
ELEC FINSETTLED	0	23	-100.0%	0	-
ETHANOL SWAP	6,017	6,379	-5.7%	5,810	3.6%
FREIGHT MARKETS	0	30	-100.0%	0	-
HEATING OIL CRK SPD AVG PRI	0	2,000	-100.0%	0	-
HEATING OIL PHY	9,077	13,017	-30.3%	8,951	1.4%
HENRY HUB FINANCIAL LAST	59,757	31,344	90.6%	44,505	34.3%
HO 1 MONTH CLNDR OPTIONS	0	600	-100.0%	0	-
LLS CRUDE OIL	5,375	2,850	88.6%	5,850	-8.1%
MCCLOSKEY ARA ARGS COAL	0	120	-100.0%	0	-
NATURAL GAS	3	0	-	108	-97.2%
NATURAL GAS 1 M CSO FIN	175,753	104,175	68.7%	97,250	80.7%
NATURAL GAS 2 M CSO FIN	250	2,350	-89.4%	250	0.0%
NATURAL GAS 3 M CSO FIN	99,090	85,600	15.8%	153,365	-35.4%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	0	7,000	-100.0%	0	-
NATURAL GAS OPT	250	4,525	-94.5%	375	-33.3%
NATURAL GAS OPTION ON CALE	224	7,784	-97.1%	224	0.0%
NATURAL GAS PHY	3,226,537	3,231,736	-0.2%	3,209,943	0.5%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	19,910	7,023	183.5%	16,061	24.0%
PETROCHEMICALS	2,463	5,346	-53.9%	2,716	-9.3%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	100	935	-89.3%	110	-9.1%
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	1,500	-100.0%	0	-
RBOB CALENDAR SWAP	96	1,534	-93.7%	112	-14.3%
RBOB PHY	4,607	5,373	-14.3%	4,133	11.5%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	0	0.0%	150	-100.0%
WTI-BRENT BULLET SWAP	71,300	188,955	-62.3%	89,125	-20.0%
WTI CRUDE OIL 1 M CSO FI	226,880	176,730	28.4%	244,630	-7.3%
<b>FX Futures</b>					
AD/CD CROSS RATES	5	37	-86.5%	20	-75.0%
AD/JY CROSS RATES	511	373	37.0%	649	-21.3%
AD/NE CROSS RATES	562	6,739	-91.7%	4,126	-86.4%
AUSTRALIAN DOLLAR	146,712	141,348	3.8%	209,578	-30.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
BP/JY CROSS RATES	1,751	2,241	-21.9%	2,434	-28.1%
BP/SF CROSS RATES	3,485	1,433	143.2%	1,962	77.6%
BRAZIL REAL	65,703	59,103	11.2%	62,222	5.6%
BRITISH POUND	219,979	232,208	-5.3%	237,248	-7.3%
CANADIAN DOLLAR	160,537	138,048	16.3%	182,549	-12.1%
CD/JY CROSS RATES	162	2	8,000.0%	1	16,100.0%
CHILEAN PESO	0	1	-100.0%	0	-
CHINESE RENMINBI (CNH)	11,675	3,249	259.3%	4,492	159.9%
CZECK KORUNA (EC)	1	1	0.0%	0	-
CZECK KORUNA (US)	1	2	-50.0%	3	-66.7%
EC/AD CROSS RATES	3,435	2,363	45.4%	4,266	-19.5%
EC/CD CROSS RATES	3,591	3,479	3.2%	4,727	-24.0%
EC/NOK CROSS RATES	3,136	644	387.0%	3,174	-1.2%
EC/SEK CROSS RATES	5,606	1,530	266.4%	5,386	4.1%
EFX/BP CROSS RATES	28,322	34,560	-18.0%	32,859	-13.8%
EFX/JY CROSS RATES	23,209	18,436	25.9%	22,172	4.7%
EFX/SF CROSS RATES	11,230	10,729	4.7%	15,444	-27.3%
E-MICRO USD/CAD	32	21	52.4%	31	3.2%
E-MICRO USD/CHF	12	21	-42.9%	76	-84.2%
E-MICRO USD/JPY	463	151	206.6%	261	77.4%
E-MINI EURO FX	9,088	12,791	-29.0%	11,106	-18.2%
E-MINI JAPANESE YEN	1,926	832	131.5%	2,043	-5.7%
EURO FX	725,122	665,327	9.0%	782,170	-7.3%
HUNGARIAN FORINT (EC)	4	0	-	3	33.3%
HUNGARIAN FORINT (US)	0	0	-	0	-
INDIAN RUPEE	2,600	2,107	23.4%	3,441	-24.4%
JAPANESE YEN	262,146	217,729	20.4%	247,641	5.9%
KOREAN WON	2,423	115	2,007.0%	3,644	-33.5%
MEXICAN PESO	230,515	199,695	15.4%	223,638	3.1%
MICRO AUD/USD	4,688	4,768	-1.7%	9,767	-52.0%
MICRO CAD/USD	2,628	2,223	18.2%	6,021	-56.4%
MICRO CHF/USD	1,292	1,245	3.8%	1,724	-25.1%
MICRO EUR/USD	10,982	23,280	-52.8%	17,791	-38.3%
MICRO GBP/USD	2,515	3,950	-36.3%	4,186	-39.9%
MICRO INR/USD	19	100	-81.0%	13	46.2%
MICRO JPY/USD	0	0	-	0	-
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	34,456	41,976	-17.9%	40,399	-14.7%
NKR/USD CROSS RATE	1,040	742	40.2%	2,076	-49.9%
POLISH ZLOTY (EC)	65	105	-38.1%	108	-39.8%
POLISH ZLOTY (US)	729	416	75.2%	918	-20.6%
RMB USD	0	5	-100.0%	0	-
RUSSIAN RUBLE	0	189	-100.0%	0	-
S.AFRICAN RAND	27,995	31,344	-10.7%	44,300	-36.8%
SF/JY CROSS RATES	1,020	1,041	-2.0%	1,001	1.9%
SHEKEL	35	6	483.3%	33	6.1%
SKR/USD CROSS RATES	1,415	2,384	-40.6%	1,203	17.6%
SWISS FRANC	38,163	42,022	-9.2%	43,630	-12.5%
TURKISH LIRA	66	21	214.3%	75	-12.0%
USDZAR	5	4	25.0%	3	66.7%

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**CME Group Exchange Open Interest Report - Monthly**

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<b>FX Options</b>					
AUD/USD MONDAY OPTION WEE	578	0	-	203	184.7%
AUD/USD MONDAY OPTION WEE	107	155	-31.0%	242	-55.8%
AUD/USD MONDAY OPTION WEE	10	86	-88.4%	0	-
AUD/USD MONDAY OPTION WEE	0	1	-100.0%	8	-100.0%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONTHLY OPTIONS	80,829	89,465	-9.7%	65,655	23.1%
AUD/USD THURSDAY WKLY OPT	4	0	-	3	33.3%
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	1	-100.0%
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 TUESDAY WKLY OPT	0	0	-	0	0.0%
AUD/USD WKLY FRIDAY OPTION	0	1,310	-100.0%	916	-100.0%
AUD/USD WKLY FRIDAY OPTION	750	0	-	0	-
AUD/USD WKLY FRIDAY OPTION	639	346	84.7%	1,252	-49.0%
AUD/USD WKLY FRIDAY OPTION	590	492	19.9%	646	-8.7%
AUD/USD WKLY FRIDAY OPTION	0	527	-100.0%	710	-100.0%
AUD/USD WKLY WED OPTIONS -	262	449	-41.6%	108	142.6%
AUD/USD WKLY WED OPTIONS -	8	209	-96.2%	73	-89.0%
AUD/USD WKLY WED OPTIONS -	247	0	-	72	243.1%
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%
BRL/USD MONTHLY OPTIONS	0	120	-100.0%	0	-
CAD/USD MONDAY OPTIONS WE	581	0	-	231	151.5%
CAD/USD MONDAY OPTIONS WE	260	602	-56.8%	466	-44.2%
CAD/USD MONDAY OPTIONS WE	0	343	-100.0%	0	-
CAD/USD MONDAY OPTIONS WE	0	1	-100.0%	63	-100.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONTHLY OPTIONS	96,036	207,731	-53.8%	72,283	32.9%
CAD/USD THURSDAY WKLY OPT	0	0	-	712	-100.0%
CAD/USD THURSDAY WKLY OPT	0	0	-	110	-100.0%
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	278	-100.0%
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	0.0%
CAD/USD WKLY FRIDAY OPTION	0	1,782	-100.0%	2,417	-100.0%
CAD/USD WKLY FRIDAY OPTION	607	0	-	0	-
CAD/USD WKLY FRIDAY OPTION	654	2,568	-74.5%	1,020	-35.9%
CAD/USD WKLY FRIDAY OPTION	573	827	-30.7%	589	-2.7%
CAD/USD WKLY FRIDAY OPTION	0	323	-100.0%	21	-100.0%
CAD/USD WKLY WED OPTIONS -	1,287	375	243.2%	1,567	-17.9%
CAD/USD WKLY WED OPTIONS -	519	445	16.6%	87	496.6%

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<b>FX Options</b>					
CAD/USD WKLY WED OPTIONS -	4	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%
CHF/USD MONTHLY OPTIONS	7,951	6,753	17.7%	37,451	-78.8%
CHF/USD WKLY FRIDAY OPTION	0	14	-100.0%	125	-100.0%
CHF/USD WKLY FRIDAY OPTION	2,517	0	-	0	-
CHF/USD WKLY FRIDAY OPTION	551	11	4,909.1%	20	2,655.0%
CHF/USD WKLY FRIDAY OPTION	1,001	100	901.0%	97	932.0%
CHF/USD WKLY FRIDAY OPTION	0	0	-	1	-100.0%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	2,674	40	6,585.0%	1,814	47.4%
EUR/USD MONDAY OPTION WEE	634	812	-21.9%	1,437	-55.9%
EUR/USD MONDAY OPTION WEE	1,499	133	1,027.1%	0	-
EUR/USD MONDAY OPTION WEE	551	164	236.0%	1,408	-60.9%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-
EUR/USD MONTHLY OPTIONS	318,717	269,159	18.4%	377,168	-15.5%
EUR/USD THURSDAY WKLY OPT	1,265	0	-	48	2,535.4%
EUR/USD THURSDAY WKLY OPT	0	0	-	240	-100.0%
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	250	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	0	0.0%
EUR/USD WKLY FRIDAY OPTION	0	9,639	-100.0%	11,375	-100.0%
EUR/USD WKLY FRIDAY OPTION	5,738	0	-	0	-
EUR/USD WKLY FRIDAY OPTION	3,450	858	302.1%	1,824	89.1%
EUR/USD WKLY FRIDAY OPTION	341	804	-57.6%	2,729	-87.5%
EUR/USD WKLY FRIDAY OPTION	0	435	-100.0%	206	-100.0%
EUR/USD WKLY WED OPTIONS -	3,052	3,128	-2.4%	2,841	7.4%
EUR/USD WKLY WED OPTIONS -	1,358	1,009	34.6%	1,270	6.9%
EUR/USD WKLY WED OPTIONS -	755	87	767.8%	164	360.4%
EUR/USD WKLY WED OPTIONS -	1,334	0	-	0	-
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%
EVENT CONTRACT EUR/USD	0	0	-	0	0.0%
GBP/USD MONDAY OPTION WEE	677	199	240.2%	690	-1.9%
GBP/USD MONDAY OPTION WEE	793	444	78.6%	1,251	-36.6%
GBP/USD MONDAY OPTION WEE	130	269	-51.7%	0	-
GBP/USD MONDAY OPTION WEE	0	106	-100.0%	1,195	-100.0%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONTHLY OPTIONS	102,862	98,884	4.0%	101,174	1.7%
GBP/USD THURSDAY WKLY OPT	4	0	-	82	-95.1%
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	0	-

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**CME Group Exchange Open Interest Report - Monthly**

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>FX Options</b>					
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 TUESDAY WKLY OPT	0	0	-	0	0.0%
GBP/USD WKLY FRIDAY OPTION	0	1,831	-100.0%	2,279	-100.0%
GBP/USD WKLY FRIDAY OPTION	2,069	0	-	0	-
GBP/USD WKLY FRIDAY OPTION	755	1,058	-28.6%	1,015	-25.6%
GBP/USD WKLY FRIDAY OPTION	536	911	-41.2%	1,729	-69.0%
GBP/USD WKLY FRIDAY OPTION	0	783	-100.0%	508	-100.0%
GBP/USD WKLY WED OPTIONS -	258	293	-11.9%	8	3,125.0%
GBP/USD WKLY WED OPTIONS -	439	177	148.0%	254	72.8%
GBP/USD WKLY WED OPTIONS -	42	39	7.7%	0	-
GBP/USD WKLY WED OPTIONS -	100	98	2.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%
JPY/USD MONDAY OPTION WEE	746	1	74,500.0%	311	139.9%
JPY/USD MONDAY OPTION WEE	601	403	49.1%	655	-8.2%
JPY/USD MONDAY OPTION WEE	35	44	-20.5%	0	-
JPY/USD MONDAY OPTION WEE	0	604	-100.0%	340	-100.0%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	80,423	157,510	-48.9%	95,943	-16.2%
JPY/USD THURSDAY WKLY OPT	1	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 THURSDAY WKLY OPT	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	1,002	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	0	0.0%
JPY/USD WKLY FRIDAY OPTION	0	10,798	-100.0%	2,822	-100.0%
JPY/USD WKLY FRIDAY OPTION	3,561	0	-	0	-
JPY/USD WKLY FRIDAY OPTION	692	1,703	-59.4%	1,851	-62.6%
JPY/USD WKLY FRIDAY OPTION	527	1,360	-61.3%	506	4.2%
JPY/USD WKLY FRIDAY OPTION	0	608	-100.0%	1	-100.0%
JPY/USD WKLY WED OPTIONS -	1,554	3,461	-55.1%	1,613	-3.7%
JPY/USD WKLY WED OPTIONS -	1,172	907	29.2%	761	54.0%
JPY/USD WKLY WED OPTIONS -	8	149	-94.6%	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	0.0%
MXN/USD MONTHLY OPTIONS	262	3,315	-92.1%	442	-40.7%
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	17	6,652	-99.7%	541	-96.9%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
USD/CNH MONTHLY OPTIONS	750	0	-	51	1,370.6%
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>FX Options</b>					
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	2,743	3,546	-22.6%	2,148	27.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	1,063	537	98.0%	1,163	-8.6%
BUTTER CS	8,600	8,912	-3.5%	10,466	-17.8%
CASH-SETTLED CHEESE	22,150	17,939	23.5%	27,253	-18.7%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	345,174	286,510	20.5%	330,742	4.4%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	3,900	6,400	-39.1%	3,850	1.3%
CDD WEATHER	11,250	16,650	-32.4%	4,300	161.6%
CHI WHEAT	292,139	290,317	0.6%	393,707	-25.8%
CLASS IV MILK	5,181	12,274	-57.8%	5,990	-13.5%
COFFEE	0	0	-	0	-
CORN	1,234,388	1,319,648	-6.5%	1,332,173	-7.3%
DJ_UBS ROLL SELECT INDEX FU	12,194	12,202	-0.1%	12,609	-3.3%
DOW-UBS COMMOD INDEX	56,038	65,506	-14.5%	57,801	-3.1%
DOW-UBS COMMOD INDEX SWA	215,460	0	-	107,730	100.0%
DRY WHEY	2,537	2,728	-7.0%	3,686	-31.2%
FEEDER CATTLE	60,144	43,195	39.2%	65,349	-8.0%
FERTILIZER PRODUCTS	0	0	-	0	-
GOLDMAN SACHS	546	1,761	-69.0%	545	0.2%
GSCI EXCESS RETURN FUT	35,454	60,428	-41.3%	37,102	-4.4%
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	198,315	185,945	6.7%	229,078	-13.4%
HOUSING INDEX	58	64	-9.4%	54	7.4%
KC WHEAT	148,378	153,142	-3.1%	190,307	-22.0%
LUMBER	6,576	2,335	181.6%	6,753	-2.6%
MALAYSIAN PALM SWAP	0	0	-	0	-
MILK	25,536	28,394	-10.1%	28,011	-8.8%
MINI CORN	8,535	15,360	-44.4%	8,684	-1.7%
MINI SOYBEAN	17,296	27,090	-36.2%	15,440	12.0%
MINI WHEAT	1,748	2,346	-25.5%	3,097	-43.6%
MLK MID OPTIONS	0	0	0.0%	0	-
NFD MILK	7,975	7,822	2.0%	9,385	-15.0%
OATS	3,817	2,401	59.0%	4,428	-13.8%
OTC SP GSCI ER SWAP	38,449	0	-	58,917	-34.7%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-
PORK CUTOUT	682	1,320	-48.3%	595	14.6%
ROUGH RICE	8,508	8,338	2.0%	8,524	-0.2%
SOYBEAN	597,222	641,609	-6.9%	676,627	-11.7%
SOYBEAN MEAL	480,266	395,002	21.6%	485,212	-1.0%
SOYBEAN OIL	484,634	360,541	34.4%	555,406	-12.7%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-
USD CRUDE PALM OIL	47,965	48,318	-0.7%	51,605	-7.1%
WHEAT	1,110	2,721	-59.2%	1,400	-20.7%

### Ag Products Options

AUG-DEC SOYBEAN MEAL CSO	1,200	0	-	200	500.0%
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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2023	Open Interest JUN 2022	% CHG	Open Interest MAY 2023	% CHG
<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	700	0	-	0	-
BLOCK CHEESE	934	2,041	-54.2%	816	14.5%
BUTTER CS	6,930	6,704	3.4%	8,167	-15.1%
CASH-SETTLED CHEESE	27,246	29,976	-9.1%	29,773	-8.5%
CATTLE	273,925	195,392	40.2%	278,451	-1.6%
CDD SEASONAL STRIP	82,200	20,000	311.0%	64,700	27.0%
CDD WEATHER	74,500	600	12,316.7%	62,500	19.2%
CHI WHEAT	216,584	294,598	-26.5%	299,460	-27.7%
CLASS IV MILK	22,488	29,857	-24.7%	30,203	-25.5%
CORN	1,665,987	1,835,534	-9.2%	1,498,870	11.1%
CORN NEARBY+2 CAL SPRD	13,089	6,609	98.0%	64,011	-79.6%
DEC-DEC CORN CAL SPRD	2,397	0	-	1,001	139.5%
DEC-JULY CORN CAL SPRD	10,667	5,204	105.0%	4,710	126.5%
DEC-JULY WHEAT CAL SPRD	80	0	-	80	0.0%
DRY WHEY	20	2,622	-99.2%	472	-95.8%
FEEDER CATTLE	66,791	38,801	72.1%	52,636	26.9%
HDD EURO SEASONAL STRIP	22,000	0	-	0	-
HDD SEASONAL STRIP	15,000	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	327,973	221,698	47.9%	307,545	6.6%
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	0	0	-	32,703	-100.0%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	930	-100.0%
JULY-DEC SOY OIL CAL SPRD	0	0	-	2,210	-100.0%
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	10	-100.0%
JULY-NOV SOYBEAN CAL SPRD	0	0	-	24,785	-100.0%
KC WHEAT	39,387	51,949	-24.2%	65,982	-40.3%
LUMBER	47	157	-70.1%	123	-61.8%
LV CATL CSO	0	0	-	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	-	0	-
MAR-JULY CORN CAL SPRD	2,350	0	-	0	-
MAR-JULY SOYBEAN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	75,066	79,915	-6.1%	88,041	-14.7%
MLK MID OPTIONS	6	22	-72.7%	10	-40.0%
NFD MILK	10,985	9,858	11.4%	11,673	-5.9%
NOV-JULY SOYBEAN CAL SPRD	200	300	-33.3%	200	0.0%
NOV-MAR SOYBEAN CSO	15	0	-	15	0.0%
OATS	240	450	-46.7%	263	-8.7%
PORK CUTOFF	0	0	-	0	-
ROUGH RICE	2,679	3,531	-24.1%	3,003	-10.8%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	628,411	547,025	14.9%	627,951	0.1%
SOYBEAN CRUSH	0	41	-100.0%	0	-
SOYBEAN MEAL	143,597	142,861	0.5%	189,451	-24.2%
SOYBEAN OIL	210,228	142,054	48.0%	236,884	-11.3%
SOYBN NEARBY+2 CAL SPRD	13,500	180	7,400.0%	8,219	64.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Ag Products Options</b>					
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	0	-
SOY OIL NEARBY+2 CAL SPRD	0	0	-	0	-
WHEAT	157	400	-60.8%	505	-68.9%
WHEAT-CORN IC50	20	4,100	-99.5%	200	-90.0%
WHEAT NEARBY+2 CAL SPRD	300	4,791	-93.7%	483	-37.9%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	30,342,436	31,304,422	-3.1%	30,861,677	-1.7%
Equity Index Futures	4,486,845	4,386,373	2.3%	5,057,867	-11.3%
Metals Futures	993,980	1,046,917	-5.1%	1,063,916	-6.6%
Energy Futures	6,576,934	6,231,008	5.6%	6,793,753	-3.2%
FX Futures	2,051,057	1,911,136	7.3%	2,240,614	-8.5%
Ags Futures	2,743	3,546	-22.6%	2,148	27.7%
Ag Products Futures	4,383,288	4,027,755	8.8%	4,727,989	-7.3%
<b>TOTAL FUTURES</b>	<b>48,837,283</b>	<b>48,911,157</b>	<b>-0.2%</b>	<b>50,747,964</b>	<b>-3.8%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	37,965,018	40,928,251	-7.2%	48,756,876	-22.1%
Equity Index Options	5,268,331	4,515,121	16.7%	5,605,270	-6.0%
Metals Options	1,003,799	984,814	1.9%	1,093,819	-8.2%
Energy Options	6,436,631	6,595,208	-2.4%	6,524,100	-1.3%
FX Options	738,199	893,910	-17.4%	805,973	-8.4%
Ag Products Options	3,957,899	3,677,270	7.6%	3,997,236	-1.0%
<b>TOTAL OPTIONS</b>	<b>55,369,877</b>	<b>57,594,574</b>	<b>-3.9%</b>	<b>66,783,274</b>	<b>-17.1%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	68,307,454	72,232,673	-5.4%	79,618,553	-14.2%
Equity Index	9,755,176	8,901,494	9.6%	10,663,137	-8.5%
Metals	1,997,779	2,031,731	-1.7%	2,157,735	-7.4%
Energy	13,013,565	12,826,216	1.5%	13,317,853	-2.3%
FX	2,789,256	2,805,046	-0.6%	3,046,587	-8.4%
Ags	2,743	3,546	-22.6%	2,148	27.7%
Ag Products	8,341,187	7,705,025	8.3%	8,725,225	-4.4%
<b>GRAND TOTAL</b>	<b>104,207,160</b>	<b>106,505,731</b>	<b>-2.2%</b>	<b>117,531,238</b>	<b>-11.3%</b>

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