

## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Interest Rate Futures</b>					
10-YR NOTE	3,669,253	4,199,070	-12.6%	3,710,448	-1.1%
10-YR SWAP RATE	76,679	253,481	-69.7%	71,525	7.2%
15-YR SWAP RATE	0	10,850	-100.0%	0	-
1-MONTH EURODOLLAR	57,855	0	-	56,667	2.1%
20-YR BOND	1,729	0	-	1,869	-7.5%
20-YR SWAP RATE	0	90	-100.0%	0	-
2-YR NOTE	2,208,841	2,310,010	-4.4%	2,248,633	-1.8%
2-YR SWAP RATE	164,619	51,365	220.5%	162,905	1.1%
30-YR BOND	1,160,985	1,186,426	-2.1%	1,128,103	2.9%
30-YR SWAP RATE	2,273	3,413	-33.4%	2,273	0.0%
3-YR NOTE	9,362	14,818	-36.8%	10,526	-11.1%
3-YR SWAP RATE	64,275	26,500	142.5%	59,525	8.0%
4-YR SWAP RATE	18,539	9,589	93.3%	18,678	-0.7%
5-YR NOTE	3,777,409	3,419,549	10.5%	3,730,161	1.3%
5-YR SWAP RATE	57,830	88,985	-35.0%	48,196	20.0%
7-YR SWAP RATE	23,231	21,211	9.5%	22,283	4.3%
BSBY 3-MONTH FUTURES	25,364	0	-	21,476	18.1%
EURODOLLARS	10,554,394	11,837,650	-10.8%	10,976,379	-3.8%
FED FUND	2,139,844	1,090,446	96.2%	2,148,862	-0.4%
SOFR	5,199,781	802,209	548.2%	4,472,217	16.3%
SONIA	8,815	20,091	-56.1%	8,825	-0.1%
TIIE	107	0	-	141	-24.1%
Ultra 10-Year Note	1,271,103	1,504,186	-15.5%	1,342,858	-5.3%
ULTRA T-BOND	1,282,162	1,138,049	12.7%	1,293,255	-0.9%
<b>Interest Rate Options</b>					
10-YR NOTE	2,646,448	3,633,626	-27.2%	3,108,952	-14.9%
2-YR NOTE	15,114	35,394	-57.3%	10,181	48.5%
30-YR BOND	416,238	555,352	-25.0%	511,128	-18.6%
5-YR NOTE	1,251,689	1,165,051	7.4%	1,659,560	-24.6%
EURODOLLARS	26,119,904	17,777,515	46.9%	25,621,154	1.9%
EURO MIDCURVE	9,733,760	18,759,051	-48.1%	9,281,405	4.9%
FED FUND	0	0	-	0	-
SOFR	1,429,156	6,680	21,294.6%	1,008,730	41.7%
SOFR MIDCURVE	484,214	0	-	363,646	33.2%
Ultra 10-Year Note	110	0	-	0	-
ULTRA T-BOND	1,468	336	336.9%	3,953	-62.9%

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<b>Equity Index Futures</b>					
BITCOIN	10,119	8,559	18.2%	11,661	-13.2%
DJ US REAL ESTATE	39,314	27,848	41.2%	39,655	-0.9%
E-mini (\$5) Dow	81,549	93,509	-12.8%	65,746	24.0%
E-MINI COM SERVICES SELECT	2,012	3,294	-38.9%	1,666	20.8%
E-mini FTSE China 50	411	0	-	3	13,600.0%
E-MINI MIDCAP	53,345	44,662	19.4%	46,342	15.1%
E-MINI NASDAQ 100	231,796	226,957	2.1%	224,003	3.5%
E-MINI RUSSELL 1000	13,134	8,964	46.5%	12,291	6.9%
E-MINI RUSSELL 1000 GROWTH	4,975	4,018	23.8%	4,793	3.8%
E-MINI RUSSELL 1000 VALUE	28,461	30,291	-6.0%	25,273	12.6%
E-MINI RUSSELL 2000	515,257	457,832	12.5%	474,609	8.6%
E-MINI S&P500	2,237,868	2,710,413	-17.4%	2,113,865	5.9%
E-MINI S&P500 ESG	13,570	11,085	22.4%	13,410	1.2%
E-MINI S&P REAL ESTATE SELE	7,147	10,027	-28.7%	7,280	-1.8%
ETHER FUTURES	3,597	2,613	37.7%	3,275	9.8%
FT-SE 100	2	0	-	2	0.0%
FTSE Emerging	0	0	-	0	-
IBOVESPA INDEX	26	23	13.0%	28	-7.1%
MICRO BITCOIN	20,299	0	-	15,333	32.4%
MICRO E-MINI NASDAQ 100	100,567	123,363	-18.5%	85,431	17.7%
MICRO E-MINI RUSSELL 2000	27,233	44,304	-38.5%	16,317	66.9%
MICRO E-MINI S&P500	161,214	143,544	12.3%	96,961	66.3%
MICRO ETHER	67,226	0	-	25,973	158.8%
MICRO MINI \$5 DOW	17,254	27,132	-36.4%	11,297	52.7%
NASDAQ-100 VOLATILITY	10	1	900.0%	25	-60.0%
NASDAQ BIOTECH	47	65	-27.7%	112	-58.0%
Nearby BTIC+	250	0	-	200	25.0%
NIKKEI 225 (\$) STOCK	11,059	15,299	-27.7%	10,684	3.5%
NIKKEI 225 (YEN) STOCK	40,248	40,005	0.6%	41,695	-3.5%
S&P 500	294,579	264,726	11.3%	282,983	4.1%
S&P 500 ANNUAL DIVIDEND IND	217,089	185,729	16.9%	208,329	4.2%
S&P 500/GI	0	0	-	0	-
S&P 500 QUARLY DIVIDEND IND	8,717	6,364	37.0%	8,116	7.4%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	5,262	3,101	69.7%	4,270	23.2%
S&P CONSUMER STAPLES SECT	18,497	11,431	61.8%	10,953	68.9%
S&P ENERGY SECTOR	40,930	22,966	78.2%	37,302	9.7%
S&P FINANCIAL SECTOR	26,970	53,932	-50.0%	29,026	-7.1%
S&P HEALTH CARE SECTOR	20,660	14,143	46.1%	20,762	-0.5%
S&P INDUSTRIAL SECTOR	17,833	23,352	-23.6%	14,521	22.8%
S&P MATERIALS SECTOR	6,630	6,491	2.1%	7,825	-15.3%
S&P TECHNOLOGY SECTOR	10,963	8,282	32.4%	10,988	-0.2%
S&P UTILITIES SECTOR	18,313	14,433	26.9%	13,944	31.3%
S&P VALUE INDEX FUTURES	0	380	-100.0%	0	-
WATER INDEX FUTURES	46	25	84.0%	55	-16.4%
YEN DENOMINATED TOPIX	181	361	-49.9%	155	16.8%

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<b>Equity Index Options</b>					
BITCOIN OPTIONS	2,224	1,569	41.7%	1,390	60.0%
E-mini (\$5) Dow	1,514	1,293	17.1%	1,739	-12.9%
E-MINI NASDAQ 100	247,713	114,556	116.2%	178,146	39.1%
E-mini Russell 2000	31,425	14,226	120.9%	34,682	-9.4%
E-MINI RUSSELL 2000	24,438	16,875	44.8%	14,728	65.9%
E-mini S&P 500	2,093,178	1,142,870	83.2%	2,618,768	-20.1%
E-MINI S&P500	2,509,751	1,438,310	74.5%	1,581,608	58.7%
EOM S&P 500	0	9,580	-100.0%	0	-
MICRO BITCOIN	2,654	0	-	95	2,693.7%
Micro E-mini Nasdaq-100	3,469	3,772	-8.0%	4,817	-28.0%
MICRO E-MINI NASDAQ 100	2,620	1,532	71.0%	1,477	77.4%
Micro E-mini S&P 500	44,411	26,499	67.6%	47,999	-7.5%
MICRO ETHER	26,220	0	-	20,100	30.4%
S&P 500	0	27,596	-100.0%	0	-
<b>Metals Futures</b>					
ALUMINUM	56,850	50,375	12.9%	59,321	-4.2%
COBALT METAL FUTURES	2,047	725	182.3%	1,767	15.8%
COMEX COPPER	185,003	255,020	-27.5%	209,743	-11.8%
COMEX E-Mini GOLD	1,771	2,049	-13.6%	1,522	16.4%
COMEX E-Mini SILVER	441	566	-22.1%	542	-18.6%
COMEX GOLD	561,272	464,460	20.8%	569,969	-1.5%
COMEX MINY COPPER	424	391	8.4%	420	1.0%
COMEX SILVER	135,949	161,569	-15.9%	148,844	-8.7%
COPPER	14,509	20,934	-30.7%	13,720	5.8%
FERROUS PRODUCTS	5,919	5,406	9.5%	7,333	-19.3%
GOLD	1,739	304	472.0%	1,407	23.6%
HOT ROLLED COIL STEEL FUTU	2,007	1,006	99.5%	2,228	-9.9%
IRON ORE 62 CHINA TSI FUTURE	0	0	-	0	-
IRON ORE CHINA	1,695	1,563	8.4%	1,444	17.4%
METALS	178	75	137.3%	50	256.0%
MICRO GOLD	29,821	31,250	-4.6%	26,205	13.8%
NYMEX HOT ROLLED STEEL	26,179	30,080	-13.0%	32,618	-19.7%
NYMEX PLATINUM	68,911	63,377	8.7%	60,843	13.3%
PALLADIUM	7,486	11,671	-35.9%	6,619	13.1%
SILVER	7,223	7,341	-1.6%	6,156	17.3%
URANIUM	800	700	14.3%	800	0.0%

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<b>Metals Options</b>					
ALUMINUM	0	1,200	-100.0%	350	-100.0%
COMEX COPPER	57,892	52,346	10.6%	42,275	36.9%
COMEX GOLD	826,039	930,705	-11.2%	791,011	4.4%
COMEX SILVER	72,442	88,191	-17.9%	86,461	-16.2%
COPPER	87	3	2,800.0%	112	-22.3%
GOLD	23,923	18,247	31.1%	42,081	-43.2%
HOT ROLLED COIL STEEL CALL	0	0	-	0	-
HOT ROLLED COIL STEEL PUT O	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL O	0	0	-	0	-
IRON ORE 62 CHINA TSI PUT OP	0	0	-	0	-
IRON ORE CHINA	0	1,210	-100.0%	50	-100.0%
NYMEX HOT ROLLED STEEL	3,880	1,425	172.3%	4,180	-7.2%
NYMEX PLATINUM	13,021	11,776	10.6%	9,267	40.5%
PALLADIUM	37	1,641	-97.7%	35	5.7%
SILVER	2,192	1,492	46.9%	3,601	-39.1%
<b>Energy Futures</b>					
3.5% FUEL OIL CID MED SWA	0	0	-	0	-
AEP-DAYTON HUB DAILY	10	10	0.0%	10	0.0%
ARGUS LLS VS. WTI (ARG) T	9,879	19,430	-49.2%	6,775	45.8%
ARGUS PROPAN FAR EST INDE	4,942	5,536	-10.7%	4,659	6.1%
ARGUS PROPAN(SAUDI ARAMC	1,904	1,768	7.7%	1,739	9.5%
AUSTRIALIAN COKE COAL	0	0	-	0	-
BRENT BALMO SWAP	0	0	-	740	-100.0%
BRENT CALENDAR SWAP	41,114	13,234	210.7%	43,938	-6.4%
BRENT FINANCIAL FUTURES	0	1,054	-100.0%	0	-
BRENT OIL LAST DAY	191,039	205,900	-7.2%	193,830	-1.4%
CAR VINTAGE	20,826	130	15,920.0%	19,759	5.4%
CHICAGO ETHANOL SWAP	33,208	40,093	-17.2%	29,784	11.5%
CHICAGO ULSD PL VS HO SPR	1,838	1,488	23.5%	1,933	-4.9%
CHICAGO UNL GAS PL VS RBO	75	1,060	-92.9%	75	0.0%
CIG BASIS	0	0	-	0	-
CIN HUB 5MW D AH PK	0	0	-	0	-
CIN HUB 5MW REAL TIME O P	0	0	-	0	-
CIN HUB 5MW REAL TIME PK	0	0	-	0	-
COLUMB GULF MAINLINE NG B	0	0	-	0	-
CONWAY NATURAL GASOLINE (	1,854	557	232.9%	1,685	10.0%
CONWAY NORMAL BUTANE (OPI	839	511	64.2%	538	55.9%
CONWAY PROPANE 5 DECIMALS	18,810	17,632	6.7%	19,229	-2.2%
CRUDE OIL	0	58	-100.0%	0	-
CRUDE OIL LAST DAY	0	0	-	0	-
CRUDE OIL OUTRIGHTS	152,114	165,232	-7.9%	144,040	5.6%
CRUDE OIL PHY	1,758,696	2,381,652	-26.2%	1,831,450	-4.0%
CRUDE OIL SPRDS	123,759	104,951	17.9%	108,786	13.8%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	7,560	33,056	-77.1%	5,952	27.0%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	2,445	550	344.5%	2,470	-1.0%

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<b>Energy Futures</b>					
DIESEL 10P BRG FOB RDM VS	5	0	-	0	-
DOMINION TRANSMISSION INC	0	108	-100.0%	0	-
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	1,500	0	-	1,500	0.0%
DUTCH TTF NATURAL GAS CAL	5,011	29,513	-83.0%	6,092	-17.7%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-
EIA FLAT TAX ONHWAY DIESE	1,158	4,242	-72.7%	1,269	-8.7%
ELEC FINSETTLED	0	0	-	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-
EMMISSIONS	56	0	-	9	522.2%
ETHANOL	0	41	-100.0%	0	-
ETHANOL SWAP	730	715	2.1%	580	25.9%
ETHANOL T2 FOB ROTT INCL DU	6,429	8,651	-25.7%	7,012	-8.3%
EURO 3.5% FUEL OIL RDAM B	0	0	-	0	-
EURO 3.5% FUEL OIL SPREAD	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	893	748	19.4%	947	-5.7%
EUROPE 1% FUEL OIL NWE CA	45	12	275.0%	50	-10.0%
EUROPE 1% FUEL OIL RDAM C	0	0	-	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	209	163	28.2%	221	-5.4%
EUROPEAN GASOIL (ICE)	4,183	3,408	22.7%	4,435	-5.7%
EUROPEAN NAPHTHA BALMO	30	8	275.0%	5	500.0%
EUROPEAN NAPHTHA CRACK SP	7,672	2,799	174.1%	8,413	-8.8%
EUROPE DATED BRENT SWAP	10	731	-98.6%	11	-9.1%
EUROPE JET KERO NWE CALSW	0	0	-	0	-
EUROPE NAPHTHA CALSWAP	982	873	12.5%	1,217	-19.3%
EURO PROPANE CIF ARA SWA	2,849	2,509	13.6%	2,877	-1.0%
FREIGHT MARKETS	802	1,375	-41.7%	897	-10.6%
FUEL OIL CRACK VS ICE	782	1,990	-60.7%	1,168	-33.0%
FUEL OIL NWE CRACK VS ICE	81	0	-	87	-6.9%
FUEL OIL (PLATS) CAR CM	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	0	81	-100.0%	0	-
GAS EURO-BOB OXY NWE BARG	605	1,933	-68.7%	790	-23.4%
GAS EURO-BOB OXY NWE BARG	10,227	15,467	-33.9%	10,968	-6.8%
GASOIL 0.1CIF MED VS ICE	45	0	-	50	-10.0%
GASOIL 0.1 RDAM BRGS VS I	5	39	-87.2%	5	0.0%
GASOIL 0.1 ROTTERDAM BARG	76	40	90.0%	95	-20.0%
GASOIL 10PPM VS ICE SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	416	190	118.9%	516	-19.4%
GASOIL CRACK SPREAD CALEN	3,998	4,460	-10.4%	4,717	-15.2%
GASOIL MINI CALENDAR SWAP	1,222	1,431	-14.6%	1,249	-2.2%
GERMAN POWER BASELOAD CA	162	843	-80.8%	180	-10.0%
GROUP THREE UNLEAD GAS (P	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	8,990	10,369	-13.3%	7,880	14.1%
GRP THREE UNL GS (PLT) VS	6,835	5,775	18.4%	6,455	5.9%
GULF COAST 3% FUEL OIL BA	0	0	-	400	-100.0%
GULF COAST JET FUEL CLNDR	0	750	-100.0%	0	-
GULF COAST JET VS NYM 2 H	11,792	28,276	-58.3%	11,774	0.2%
GULF COAST NO.6 FUEL OIL	12,607	4,739	166.0%	12,818	-1.6%
GULF COAST ULSD CALENDAR	1,026	4,663	-78.0%	1,164	-11.9%

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GULF COAST ULSD CRACK SPR	0	90	-100.0%	0	-
HEATING OIL BALMO CLNDR S	15	0	-	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	228,673	395,429	-42.2%	206,781	10.6%
HENRY HUB BASIS SWAP	0	0	-	0	-
HENRY HUB FINANCIAL LAST	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	0	0	-	0	-
HENRY HUB SWAP	559,042	599,073	-6.7%	575,683	-2.9%
HOUSTON SHIP CHANNEL BASI	0	1,225	-100.0%	0	-
HTG OIL	100	123	-18.7%	74	35.1%
ICE BRENT DUBAI SWAP	1,735	5,321	-67.4%	1,996	-13.1%
ICE GASOIL BALMO SWAP	0	20	-100.0%	0	-
INDIANA MISO	0	0	-	0	-
INDONESIAN COAL ICI4	0	645	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	6	0	-	6	0.0%
JAPAN C&F NAPHTHA SWAP	338	196	72.4%	369	-8.4%
JAPAN NAPHTHA BALMO SWAP	0	0	-	6	-100.0%
JET CIF NWE VS ICE	1,024	499	105.2%	1,076	-4.8%
JET FUEL UP-DOWN BALMO CL	910	1,100	-17.3%	3,760	-75.8%
JKM LNG Futures	1,508	4,751	-68.3%	1,609	-6.3%
LA CARB DIESEL (OPIS) SWA	1,258	575	118.8%	1,242	1.3%
LA CARBOB GASOLINE(OPIS)S	0	100	-100.0%	0	-
LA JET (OPIS) SWAP	875	771	13.5%	795	10.1%
LLS (ARGUS) CALENDAR SWAP	0	50	-100.0%	0	-
LLS (ARGUS) VS WTI SWAP	2,487	3,247	-23.4%	2,704	-8.0%
LOS ANGELES CARB GASOLINE	0	0	-	0	-
LTD NAT GAS	438,940	364,875	20.3%	443,871	-1.1%
MARS (ARGUS) VS WTI SWAP	1,100	890	23.6%	1,400	-21.4%
MARS (ARGUS) VS WTI TRD M	24,926	28,559	-12.7%	23,570	5.8%
MARS BLEND CRUDE OIL	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	11,752	16,451	-28.6%	10,596	10.9%
MCCLOSKEY RCH BAY COAL	910	1,339	-32.0%	962	-5.4%
MGN1 SWAP FUT	0	20	-100.0%	0	-
MICHIGAN BASIS	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	5	45	-88.9%	155	-96.8%
MINI RBOB V. EBOBARG NWE BF	0	0	-	0	-
MINI RBOB V. EBOB(ARGUS) NW	894	1,223	-26.9%	447	100.0%
MINY HTG OIL	2	0	-	0	-
MINY NATURAL GAS	5,531	4,093	35.1%	4,062	36.2%
MINY RBOB GAS	2	2	0.0%	1	100.0%
MINY WTI CRUDE OIL	3,965	3,255	21.8%	8,478	-53.2%
MJC FUT	0	20	-100.0%	0	-
MNC FUT	2,362	791	198.6%	2,651	-10.9%
MONT BELVIEU ETHANE 5 DECI	49,554	46,182	7.3%	50,307	-1.5%
MONT BELVIEU ETHANE OPIS B	415	145	186.2%	446	-7.0%
MONT BELVIEU LDH PROPANE 5	121,993	137,497	-11.3%	127,514	-4.3%
MONT BELVIEU LDH PROPANE C	3,263	4,830	-32.4%	2,378	37.2%
MONT BELVIEU NATURAL GASO	36,542	32,155	13.6%	34,908	4.7%
MONT BELVIEU NATURAL GASO	1,653	410	303.2%	1,240	33.3%
MONT BELVIEU NORMAL BUTAN	49,465	59,805	-17.3%	48,194	2.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Energy Futures</b>					
MONT BELVIEU NORMAL BUTAN	1,049	703	49.2%	1,591	-34.1%
NATURAL GAS	230,841	126,183	82.9%	182,473	26.5%
NATURAL GAS PEN SWP	211,300	252,104	-16.2%	200,910	5.2%
NATURAL GAS PHY	1,138,495	1,173,202	-3.0%	1,124,511	1.2%
NEPOOL INTR HUB 5MW D AH	6,201	108,719	-94.3%	7,488	-17.2%
NEPOOL NE MASS 5MW D AH O	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	96	868	-88.9%	63	52.4%
NEW YORK ETHANOL SWAP	1,441	535	169.3%	1,790	-19.5%
NEW YORK HUB ZONE G PEAK	800	310	158.1%	800	0.0%
NEW YORK HUB ZONE J PEAK	0	0	-	0	-
NGPL MID-CONTINENT	0	0	-	0	-
NGPL TEX/OK	0	0	-	0	-
N ILLINOIS HUB DAILY	0	20	-100.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	0	0	-	0	-
NY1% VS GC SPREAD SWAP	0	380	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	7,633	10,006	-23.7%	7,191	6.1%
NY HARBOR LOW SULPUR GAS	450	1,880	-76.1%	500	-10.0%
NY HARBOR RESIDUAL FUEL 1	400	550	-27.3%	450	-11.1%
NYH NO 2 CRACK SPREAD CAL	15,600	7,818	99.5%	13,376	16.6%
NYISO CAPACITY	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	39,200	-100.0%	0	-
NYISO ZONE G 5MW D AH PK	3,725	7,885	-52.8%	4,250	-12.4%
NYISO ZONE J 5MW D AH O P	0	0	-	0	-
NYISO ZONE J 5MW D AH PK	0	0	-	0	-
NYMEX ALUMINUM FUTURES	0	0	-	0	-
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	109	141	-22.7%	409	-73.3%
PANHANDLE BASIS SWAP FUTU	0	232	-100.0%	0	-
PERMIAN BASIS SWAP	0	0	-	0	-
PETROCHEMICALS	13,487	12,826	5.2%	14,260	-5.4%
PETRO CRCKS & SPRDS ASIA	0	225	-100.0%	0	-
PETRO CRCKS & SPRDS NA	38,250	38,682	-1.1%	41,373	-7.5%
PETRO CRK&SPRD EURO	3,262	2,093	55.9%	3,715	-12.2%
PETROLEUM PRODUCTS	8,575	1,010	749.0%	7,446	15.2%
PETROLEUM PRODUCTS ASIA	1,201	402	198.8%	1,318	-8.9%
PETRO OUTRIGHT EURO	23,652	19,024	24.3%	27,422	-13.7%
PETRO OUTRIGHT NA	3,017	3,632	-16.9%	4,018	-24.9%
PJM AD HUB 5MW REAL TIME	16,655	41,255	-59.6%	18,680	-10.8%
PJM DAILY	284	296	-4.1%	284	0.0%
PJM DAYTON DA OFF-PEAK	0	0	-	0	-
PJM DAYTON DA PEAK	0	0	-	0	-
PJM MONTHLY	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	0	33,160	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL	0	0	-	0	-
PJM PSEG DA OFF-PEAK	0	0	-	0	-
PJM PSEG DA PEAK	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Energy Futures</b>					
PJM WESTH DA OFF-PEAK	0	0	-	0	-
PJM WESTHDA PEAK	0	0	-	0	-
PJM WESTH RT OFF-PEAK	142,245	273,500	-48.0%	159,525	-10.8%
PJM WESTH RT PEAK	29,982	41,975	-28.6%	32,964	-9.0%
PLASTICS	3,758	2,313	62.5%	3,717	1.1%
PREMIUM UNLD 10P FOB MED	135	0	-	150	-10.0%
PROPANE NON-LDH MB (OPIS) B	1,217	1,977	-38.4%	1,152	5.6%
PROPANE NON-LDH MT. BEL (OF	43,549	63,270	-31.2%	46,419	-6.2%
RBOB CALENDAR SWAP	12,497	15,794	-20.9%	12,226	2.2%
RBOB CRACK SPREAD	18,139	10,352	75.2%	17,779	2.0%
RBOB GAS	73	109	-33.0%	56	30.4%
RBOB GASOLINE BALMO CLNDR	469	372	26.1%	2,032	-76.9%
RBOB PHY	303,635	360,676	-15.8%	284,059	6.9%
RBOB VS HEATING OIL SWAP	375	630	-40.5%	375	0.0%
SAN JUAN BASIS SWAP	0	0	-	0	-
SINGAPORE 180CST BALMO	0	0	-	0	-
SINGAPORE 380CST BALMO	1	0	-	0	-
SINGAPORE 380CST FUEL OIL	509	501	1.6%	422	20.6%
SINGAPORE FUEL 180CST CAL	0	0	-	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-
SINGAPORE FUEL OIL SPREAD	0	0	-	0	-
SINGAPORE GASOIL	2,076	1,168	77.7%	1,497	38.7%
SINGAPORE GASOIL CALENDAR	367	1,902	-80.7%	432	-15.0%
SINGAPORE GASOIL SWAP	1,556	5,577	-72.1%	898	73.3%
SINGAPORE GASOIL VS ICE	5,070	2,126	138.5%	5,335	-5.0%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	3,745	600	524.2%	4,095	-8.5%
SINGAPORE JET KEROSENE SW	175	1,125	-84.4%	375	-53.3%
SINGAPORE MOGAS 92 UNLEAD	0	0	-	210	-100.0%
SINGAPORE MOGAS 92 UNLEAD	300	1,440	-79.2%	500	-40.0%
Sumas Basis Swap	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	129	105	22.9%	193	-33.2%
TC5 RAS TANURA TO YOKOHAM	150	135	11.1%	175	-14.3%
TCO BASIS SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	4,265	6,549	-34.9%	4,580	-6.9%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	60	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	5,174	2,995	72.8%	5,598	-7.6%
UP DOWN GC ULSD VS NMX HO	33,398	52,025	-35.8%	36,202	-7.7%
WAHA BASIS	0	0	-	0	-
WTI-BRENT BULLET SWAP	0	0	-	0	-
WTI-BRENT CALENDAR SWAP	109,473	89,455	22.4%	112,204	-2.4%
WTI CALENDAR	172,484	158,863	8.6%	174,791	-1.3%
WTI MIDLAND CRUDE OIL	0	1,365	-100.0%	0	-
WTS (ARGUS) VS WTI SWAP	29,515	55,935	-47.2%	31,087	-5.1%
WTS (ARGUS) VS WTI TRD MT	8,455	9,798	-13.7%	8,105	4.3%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,858	1,124	154.3%	3,092	-7.6%
BRENT CRUDE OIL 1 M CSO	5,650	71,200	-92.1%	5,300	6.6%
BRENT OIL LAST DAY	122,497	185,421	-33.9%	152,037	-19.4%
COAL API2 INDEX	305	970	-68.6%	245	24.5%
CRUDE OIL	0	50	-100.0%	0	-
CRUDE OIL 1MO	183,421	408,630	-55.1%	197,933	-7.3%
CRUDE OIL APO	254,834	251,756	1.2%	270,849	-5.9%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL PHY	2,519,777	2,119,242	18.9%	2,494,592	1.0%
ELEC FINSETTLED	43	43	0.0%	43	0.0%
ETHANOL SWAP	7,782	5,407	43.9%	10,528	-26.1%
FREIGHT MARKETS	30	0	-	30	0.0%
HEATING OIL CRK SPD AVG PRI	2,250	3,330	-32.4%	2,250	0.0%
HEATING OIL PHY	12,215	12,256	-0.3%	13,119	-6.9%
HENRY HUB FINANCIAL LAST	32,766	39,252	-16.5%	31,481	4.1%
HO 1 MONTH CLNDR OPTIONS	0	0	-	0	0.0%
LLS CRUDE OIL	2,250	700	221.4%	2,400	-6.2%
MCCLOSKEY ARA ARGS COAL	180	1,080	-83.3%	180	0.0%
MCCLOSKEY RCH BAY COAL	0	0	-	0	-
NATURAL GAS	0	0	-	3	-100.0%
NATURAL GAS 1 M CSO FIN	78,200	28,475	174.6%	27,775	181.5%
NATURAL GAS 2 M CSO FIN	0	5,800	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	67,850	30,526	122.3%	47,800	41.9%
NATURAL GAS 5 M CSO FIN	0	0	-	20,381	-100.0%
NATURAL GAS 6 M CSO FIN	0	0	-	0	-
NATURAL GAS OPT	7,100	73,810	-90.4%	9,575	-25.8%
NATURAL GAS OPTION ON CALE	7,784	21,928	-64.5%	7,784	0.0%
NATURAL GAS PHY	3,087,641	2,190,755	40.9%	2,660,091	16.1%
NATURAL GAS SUMMER STRIP	0	0	-	0	-
NATURAL GAS WINTER STRIP	0	0	-	0	-
N ROCKIES PIPE SWAP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	6,580	4,806	36.9%	6,838	-3.8%
PETROCHEMICALS	4,407	2,317	90.2%	5,714	-22.9%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT NA	1,185	885	33.9%	1,310	-9.5%
PJM WES HUB PEAK CAL MTH	180	850	-78.8%	180	0.0%
PJM WES HUB PEAK LMP 50MW	0	302	-100.0%	0	-
RBOB CALENDAR SWAP	219	1,644	-86.7%	174	25.9%
RBOB PHY	2,401	17,235	-86.1%	2,888	-16.9%
SAN JUAN PIPE SWAP	0	0	-	0	-
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	0	0.0%	200	-100.0%
WTI-BRENT BULLET SWAP	163,650	194,870	-16.0%	170,625	-4.1%
WTI CRUDE OIL 1 M CSO FI	62,555	239,300	-73.9%	23,105	170.7%
<b>FX Futures</b>					
AD/CD CROSS RATES	54	16	237.5%	17	217.6%
AD/JY CROSS RATES	335	391	-14.3%	518	-35.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
AD/NE CROSS RATES	5,927	30	19,656.7%	4,345	36.4%
AUSTRALIAN DOLLAR	141,465	136,588	3.6%	143,703	-1.6%
BP/JY CROSS RATES	2,528	576	338.9%	1,779	42.1%
BP/SF CROSS RATES	1,826	476	283.6%	422	332.7%
BRAZIL REAL	72,215	55,599	29.9%	78,051	-7.5%
BRITISH POUND	271,193	158,998	70.6%	231,363	17.2%
CANADIAN DOLLAR	154,361	194,228	-20.5%	150,852	2.3%
CD/JY CROSS RATES	3	19	-84.2%	3	0.0%
CHINESE RENMINBI (CNH)	8,626	3,920	120.1%	5,543	55.6%
CZECK KORUNA (EC)	2	0	-	3	-33.3%
CZECK KORUNA (US)	1	1	0.0%	0	-
EC/AD CROSS RATES	1,900	2,843	-33.2%	1,785	6.4%
EC/CD CROSS RATES	4,099	3,728	10.0%	3,890	5.4%
EC/NOK CROSS RATES	1,360	544	150.0%	1,038	31.0%
EC/SEK CROSS RATES	1,400	666	110.2%	1,416	-1.1%
EFX/BP CROSS RATES	30,501	26,239	16.2%	31,322	-2.6%
EFX/JY CROSS RATES	23,772	23,446	1.4%	21,747	9.3%
EFX/SF CROSS RATES	15,039	10,843	38.7%	15,285	-1.6%
E-MICRO USD/CAD	16	0	-	28	-42.9%
E-MICRO USD/CHF	28	0	-	29	-3.4%
E-MICRO USD/JPY	397	0	-	296	34.1%
E-MINI EURO FX	14,983	17,600	-14.9%	14,752	1.6%
E-MINI JAPANESE YEN	890	504	76.6%	793	12.2%
EURO FX	695,379	671,510	3.6%	658,648	5.6%
HUNGARIAN FORINT (EC)	1	0	-	0	-
HUNGARIAN FORINT (US)	0	29	-100.0%	0	-
INDIAN RUPEE	852	644	32.3%	823	3.5%
JAPANESE YEN	253,383	148,889	70.2%	240,682	5.3%
KOREAN WON	129	1,047	-87.7%	163	-20.9%
MEXICAN PESO	155,178	146,110	6.2%	165,773	-6.4%
MICRO AUD/USD	3,756	4,567	-17.8%	4,065	-7.6%
MICRO CAD/USD	1,976	2,791	-29.2%	1,637	20.7%
MICRO CHF/USD	1,650	2,176	-24.2%	1,143	44.4%
MICRO EUR/USD	33,328	15,313	117.6%	24,337	36.9%
MICRO GBP/USD	5,269	3,893	35.3%	3,576	47.3%
MICRO INR/USD	11	97	-88.7%	14	-21.4%
MICRO JPY/USD	0	2,960	-100.0%	0	-
MICRO USD/CNH	0	2	-100.0%	0	-
NEW ZEALND DOLLAR	49,066	44,366	10.6%	33,970	44.4%
NKR/USD CROSS RATE	1,134	2,595	-56.3%	1,150	-1.4%
POLISH ZLOTY (EC)	187	146	28.1%	234	-20.1%
POLISH ZLOTY (US)	457	387	18.1%	435	5.1%
RMB USD	0	0	-	1	-100.0%
RUSSIAN RUBLE	795	29,314	-97.3%	786	1.1%
S.AFRICAN RAND	21,954	15,806	38.9%	24,166	-9.2%
SF/JY CROSS RATES	976	16	6,000.0%	728	34.1%
SHEKEL	2	3	-33.3%	1	100.0%
SKR/USD CROSS RATES	2,663	1,449	83.8%	1,987	34.0%
SWISS FRANC	49,035	40,472	21.2%	40,264	21.8%
TURKISH LIRA	56	60	-6.7%	56	0.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>FX Futures</b>					
USDZAR	0	11	-100.0%	0	-
<b>FX Options</b>					
AUD/USD MONDAY OPTION WEE	47	646	-92.7%	356	-86.8%
AUD/USD MONDAY OPTION WEE	13	81	-84.0%	2	550.0%
AUD/USD MONDAY OPTION WEE	538	100	438.0%	0	-
AUD/USD MONDAY OPTION WEE	0	94	-100.0%	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	0	-
AUD/USD MONTHLY OPTIONS	166,805	62,577	166.6%	210,918	-20.9%
AUD/USD WKLY FRIDAY OPTION	0	0	-	1,610	-100.0%
AUD/USD WKLY FRIDAY OPTION	1,045	963	8.5%	0	-
AUD/USD WKLY FRIDAY OPTION	872	988	-11.7%	1,214	-28.2%
AUD/USD WKLY FRIDAY OPTION	511	713	-28.3%	898	-43.1%
AUD/USD WKLY FRIDAY OPTION	0	0	0.0%	474	-100.0%
AUD/USD WKLY WED OPTIONS -	172	829	-79.3%	381	-54.9%
AUD/USD WKLY WED OPTIONS -	509	108	371.3%	406	25.4%
AUD/USD WKLY WED OPTIONS -	6	0	-	6	0.0%
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
AUD/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
BRL/USD MONTHLY OPTIONS	258	539	-52.1%	188	37.2%
CAD/USD MONDAY OPTIONS WE	213	380	-43.9%	154	38.3%
CAD/USD MONDAY OPTIONS WE	484	384	26.0%	744	-34.9%
CAD/USD MONDAY OPTIONS WE	1,138	0	-	51	2,131.4%
CAD/USD MONDAY OPTIONS WE	93	0	-	50	86.0%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-
CAD/USD MONTHLY OPTIONS	217,930	79,664	173.6%	195,049	11.7%
CAD/USD WKLY FRIDAY OPTION	0	0	-	4,864	-100.0%
CAD/USD WKLY FRIDAY OPTION	729	1,074	-32.1%	0	-
CAD/USD WKLY FRIDAY OPTION	792	1,156	-31.5%	1,826	-56.6%
CAD/USD WKLY FRIDAY OPTION	665	460	44.6%	824	-19.3%
CAD/USD WKLY FRIDAY OPTION	0	0	0.0%	625	-100.0%
CAD/USD WKLY WED OPTIONS -	1,033	231	347.2%	644	60.4%
CAD/USD WKLY WED OPTIONS -	550	2	27,400.0%	104	428.8%
CAD/USD WKLY WED OPTIONS -	314	2	15,600.0%	7	4,385.7%
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
CHF/USD MONTHLY OPTIONS	6,121	11,244	-45.6%	6,515	-6.0%
CHF/USD WKLY FRIDAY OPTION	0	0	-	509	-100.0%
CHF/USD WKLY FRIDAY OPTION	79	15	426.7%	0	-
CHF/USD WKLY FRIDAY OPTION	13	501	-97.4%	7	85.7%
CHF/USD WKLY FRIDAY OPTION	0	410	-100.0%	0	-
CHF/USD WKLY FRIDAY OPTION	0	0	0.0%	0	-
EUR/GBP MONTHLY OPTIONS	1,750	0	-	1,750	0.0%
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	1,367	923	48.1%	1,780	-23.2%
EUR/USD MONDAY OPTION WEE	84	1,569	-94.6%	48	75.0%
EUR/USD MONDAY OPTION WEE	102	50	104.0%	375	-72.8%
EUR/USD MONDAY OPTION WEE	0	126	-100.0%	380	-100.0%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>FX Options</b>					
EUR/USD MONTHLY OPTIONS	267,626	178,840	49.6%	205,027	30.5%
EUR/USD WKLY FRIDAY OPTION	0	0	-	20,303	-100.0%
EUR/USD WKLY FRIDAY OPTION	4,205	2,028	107.3%	0	-
EUR/USD WKLY FRIDAY OPTION	1,386	2,749	-49.6%	2,917	-52.5%
EUR/USD WKLY FRIDAY OPTION	706	1,406	-49.8%	3,398	-79.2%
EUR/USD WKLY FRIDAY OPTION	0	0	0.0%	2,292	-100.0%
EUR/USD WKLY WED OPTIONS -	3,727	4,163	-10.5%	3,969	-6.1%
EUR/USD WKLY WED OPTIONS -	1,334	1,942	-31.3%	1,395	-4.4%
EUR/USD WKLY WED OPTIONS -	79	512	-84.6%	70	12.9%
EUR/USD WKLY WED OPTIONS -	0	554	-100.0%	70	-100.0%
EUR/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
GBP/USD MONDAY OPTION WEE	542	447	21.3%	590	-8.1%
GBP/USD MONDAY OPTION WEE	19	1,138	-98.3%	1	1,800.0%
GBP/USD MONDAY OPTION WEE	217	0	-	3	7,133.3%
GBP/USD MONDAY OPTION WEE	65	0	-	101	-35.6%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-
GBP/USD MONTHLY OPTIONS	117,793	89,392	31.8%	92,518	27.3%
GBP/USD WKLY FRIDAY OPTION	0	0	-	2,814	-100.0%
GBP/USD WKLY FRIDAY OPTION	2,218	1,257	76.5%	0	-
GBP/USD WKLY FRIDAY OPTION	2,349	842	179.0%	1,362	72.5%
GBP/USD WKLY FRIDAY OPTION	1,286	532	141.7%	1,947	-33.9%
GBP/USD WKLY FRIDAY OPTION	0	0	0.0%	1,401	-100.0%
GBP/USD WKLY WED OPTIONS -	1,628	656	148.2%	167	874.9%
GBP/USD WKLY WED OPTIONS -	121	331	-63.4%	27	348.1%
GBP/USD WKLY WED OPTIONS -	480	32	1,400.0%	0	-
GBP/USD WKLY WED OPTIONS -	20	0	-	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
JPY/USD MONDAY OPTION WEE	684	276	147.8%	889	-23.1%
JPY/USD MONDAY OPTION WEE	867	0	-	17	5,000.0%
JPY/USD MONDAY OPTION WEE	84	0	-	28	200.0%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONDAY OPTION WEE	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	135,967	64,984	109.2%	102,487	32.7%
JPY/USD WKLY FRIDAY OPTION	0	0	-	8,812	-100.0%
JPY/USD WKLY FRIDAY OPTION	2,226	1,557	43.0%	0	-
JPY/USD WKLY FRIDAY OPTION	1,028	481	113.7%	1,580	-34.9%
JPY/USD WKLY FRIDAY OPTION	889	885	0.5%	1,061	-16.2%
JPY/USD WKLY FRIDAY OPTION	0	0	0.0%	652	-100.0%
JPY/USD WKLY WED OPTIONS -	3,616	2,704	33.7%	2,704	33.7%
JPY/USD WKLY WED OPTIONS -	1,515	308	391.9%	773	96.0%
JPY/USD WKLY WED OPTIONS -	20	3	566.7%	25	-20.0%
JPY/USD WKLY WED OPTIONS -	0	45	-100.0%	0	-
JPY/USD WKLY WED OPTIONS -	0	0	-	0	0.0%
MXN/USD MONTHLY OPTIONS	3,813	396	862.9%	20,773	-81.6%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	15	0	-	0	-
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	128	81	58.0%	8	1,500.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>FX Options</b>					
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
RUB/USD MONTHLY OPTIONS	0	0	-	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	0	0	-	0	-
<b>Foreign Exchange Options</b>					
AUD/USD WKLY WED OPTIONS -	7	0	-	6	16.7%
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	3,157	3,520	-10.3%	4,237	-25.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	1,163	3,166	-63.3%	1,047	11.1%
BUTTER CS	11,506	9,132	26.0%	10,328	11.4%
CASH-SETTLED CHEESE	18,240	27,238	-33.0%	15,685	16.3%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	309,775	322,531	-4.0%	309,060	0.2%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	2,300	2,950	-22.0%	1,000	130.0%
CDD WEATHER	4,000	1,900	110.5%	2,000	100.0%
CHI WHEAT	322,552	423,742	-23.9%	344,105	-6.3%
CLASS IV MILK	14,189	2,444	480.6%	13,294	6.7%
COFFEE	0	0	-	0	-
CORN	1,508,977	1,669,392	-9.6%	1,532,938	-1.6%
COTTON	0	0	-	0	-
DJ_UBS ROLL SELECT INDEX FU	11,283	3,050	269.9%	11,655	-3.2%
DOW-UBS COMMOD INDEX	33,559	32,515	3.2%	33,216	1.0%
DRY WHEY	2,863	5,190	-44.8%	2,323	23.2%
FEEDER CATTLE	43,891	47,197	-7.0%	40,606	8.1%
FERTILIZER PRODUCTS	0	0	-	0	-
GOLDMAN SACHS	1,381	4,629	-70.2%	1,631	-15.3%
GSCI EXCESS RETURN FUT	65,593	57,220	14.6%	65,593	0.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	450	-100.0%
HDD WEATHER	0	1,600	-100.0%	3,850	-100.0%
HDD WEATHER EUROPEAN	0	1,500	-100.0%	2,925	-100.0%
HOGS	222,821	292,362	-23.8%	238,090	-6.4%
HOUSING INDEX	33	27	22.2%	32	3.1%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	172,362	219,509	-21.5%	178,555	-3.5%
LUMBER	2,686	2,563	4.8%	2,721	-1.3%
MALAYSIAN PALM SWAP	0	18,170	-100.0%	0	-
MILK	35,089	27,396	28.1%	29,887	17.4%
MINI CORN	17,036	12,852	32.6%	16,536	3.0%
MINI SOYBEAN	26,175	21,928	19.4%	28,611	-8.5%
MINI WHEAT	4,873	4,580	6.4%	5,819	-16.3%
MLK MID OPTIONS	0	0	-	0	0.0%
NFD MILK	9,519	7,367	29.2%	8,834	7.8%
OATS	3,125	4,894	-36.1%	3,093	1.0%
PACIFIC RIM DAT SS WTHR	0	0	-	1,000	-100.0%
PORK CUTOUT	1,304	2,038	-36.0%	1,891	-31.0%
ROUGH RICE	10,553	9,084	16.2%	10,267	2.8%
SOYBEAN	696,120	808,855	-13.9%	761,472	-8.6%
SOYBEAN MEAL	366,366	400,833	-8.6%	398,535	-8.1%
SOYBEAN OIL	362,613	489,232	-25.9%	343,732	5.5%
S&P GSCI ENHANCED ER SWAP	0	1,001	-100.0%	1,001	-100.0%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	52,454	8,300	532.0%	49,343	6.3%
WHEAT	3,313	21,397	-84.5%	4,963	-33.2%

### Ag Products Options

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BLOCK CHEESE	813	1,552	-47.6%	600	35.5%
BUTTER CS	8,733	11,722	-25.5%	7,554	15.6%
CASH-SETTLED CHEESE	32,145	33,435	-3.9%	29,633	8.5%
CATTLE	200,892	163,862	22.6%	206,762	-2.8%
CDD SEASONAL STRIP	9,250	4,200	120.2%	5,000	85.0%
CDD WEATHER	0	2,250	-100.0%	0	-
CHI WHEAT	310,525	326,798	-5.0%	365,308	-15.0%
CLASS IV MILK	33,495	12,998	157.7%	29,431	13.8%
CORN	1,835,283	1,795,508	2.2%	1,639,742	11.9%
CORN NEARBY+2 CAL SPRD	21,088	3,425	515.7%	60,788	-65.3%
DEC-DEC CORN CAL SPRD	0	200	-100.0%	0	-
DEC-JULY CORN CAL SPRD	2,540	0	-	1,500	69.3%
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
DRY WHEY	2,698	2,173	24.2%	2,676	0.8%
FEEDER CATTLE	37,338	21,741	71.7%	52,438	-28.8%
HDD EURO SEASONAL STRIP	0	0	-	2,000	-100.0%
HDD SEASONAL STRIP	0	0	-	18,500	-100.0%
HDD WEATHER	0	0	-	3,500	-100.0%
HDD WEATHER EUROPEAN	0	0	-	1,000	-100.0%
HOGS	242,880	183,621	32.3%	307,619	-21.0%
HOUSING INDEX	0	0	-	0	-
Intercommodity Spread	0	54	-100.0%	0	-
JAN-MAR SOYBEAN CSO	0	0	-	0	-
JULY-DEC CORN CAL SPRD	20,681	11,867	74.3%	21,799	-5.1%
JULY-DEC SOY OIL CAL SPRD	0	29	-100.0%	0	-
JULY-DEC WHEAT CAL SPRD	3,050	550	454.5%	3,250	-6.2%
JULY-JULY WHEAT CAL SPRD	1	30	-96.7%	1	0.0%
JULY-NOV SOYBEAN CAL SPRD	15,913	1,543	931.3%	10,234	55.5%
KC WHEAT	59,565	52,562	13.3%	68,733	-13.3%
LUMBER	282	693	-59.3%	451	-37.5%
LV CATL CSO	0	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	96,030	79,240	21.2%	82,450	16.5%
MLK MID OPTIONS	45	15	200.0%	39	15.4%
NFD MILK	16,782	12,407	35.3%	13,572	23.7%
NOV-JULY SOYBEAN CAL SPRD	300	0	-	300	0.0%
NOV-MAR SOYBEAN CSO	0	0	-	0	-
NOV-NOV SOYBEAN CAL SPRD	0	0	-	0	-
OATS	335	296	13.2%	635	-47.2%
PORK CUTOFF	30	353	-91.5%	25	20.0%
ROUGH RICE	3,275	1,256	160.7%	2,107	55.4%
SOYBEAN	628,365	855,124	-26.5%	747,779	-16.0%
SOYBEAN CRUSH	61	637	-90.4%	236	-74.2%
SOYBEAN MEAL	140,134	175,807	-20.3%	175,488	-20.1%
SOYBEAN OIL	173,631	216,373	-19.8%	178,086	-2.5%
SOYBN NEARBY+2 CAL SPRD	700	0	-	4,185	-83.3%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest APR 2022	Open Interest APR 2021	% CHG	Open Interest MAR 2022	% CHG
<b>Ag Products Options</b>					
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	400	-100.0%
WHEAT	400	0	-	400	0.0%
WHEAT-CORN ICSD	1,000	515	94.2%	1,000	0.0%
WHEAT NEARBY+2 CAL SPRD	3,150	0	-	16,011	-80.3%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	31,774,450	27,987,988	13.5%	31,535,805	0.8%
Equity Index Futures	4,374,660	4,649,524	-5.9%	3,997,159	9.4%
Metals Futures	1,110,224	1,108,862	0.1%	1,151,551	-3.6%
Energy Futures	6,673,029	7,892,679	-15.5%	6,681,995	-0.1%
FX Futures	2,030,158	1,771,908	14.6%	1,913,619	6.1%
Foreign Exchange Futures	0	0	-	0	-
Ags Futures	3,157	3,520	-10.3%	4,237	-25.5%
Ag Products Futures	4,337,714	4,967,784	-12.7%	4,476,088	-3.1%
<b>TOTAL FUTURES</b>	<b>50,303,392</b>	<b>48,382,265</b>	<b>4.0%</b>	<b>49,760,454</b>	<b>1.1%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	42,098,101	41,933,005	0.4%	41,568,709	1.3%
Equity Index Options	4,989,617	2,798,678	78.3%	4,505,549	10.7%
Metals Options	999,513	1,108,236	-9.8%	979,423	2.1%
Energy Options	6,636,610	5,913,964	12.2%	6,168,522	7.6%
FX Options	960,886	524,370	83.2%	912,940	5.3%
Foreign Exchange Options	7	0	-	6	16.7%
Ag Products Options	3,901,410	3,972,836	-1.8%	4,061,232	-3.9%
<b>TOTAL OPTIONS</b>	<b>59,586,144</b>	<b>56,251,089</b>	<b>5.9%</b>	<b>58,196,381</b>	<b>2.4%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	73,872,551	69,920,993	5.7%	73,104,514	1.1%
Equity Index	9,364,277	7,448,202	25.7%	8,502,708	10.1%
Metals	2,109,737	2,217,098	-4.8%	2,130,974	-1.0%
Energy	13,309,639	13,806,643	-3.6%	12,850,517	3.6%
FX	2,991,044	2,296,278	30.3%	2,826,559	5.8%
Foreign Exchange	7	0	-	6	16.7%
Ags	3,157	3,520	-10.3%	4,237	-25.5%
Ag Products	8,239,124	8,940,620	-7.8%	8,537,320	-3.5%
<b>GRAND TOTAL</b>	<b>109,889,536</b>	<b>104,633,354</b>	<b>5.0%</b>	<b>107,956,835</b>	<b>1.8%</b>

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