



## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Interest Rate Futures</b>					
10-YR NOTE	4,052,709	3,240,331	25.1%	3,947,830	2.7%
10-YR SWAP RATE	244,199	194,129	25.8%	221,839	10.1%
15-YR SWAP RATE	10,850	10,850	0.0%	10,850	0.0%
1-MONTH EURODOLLAR	0	0	-	0	-
20-YR SWAP RATE	90	90	0.0%	90	0.0%
2-YR NOTE	1,832,808	2,026,406	-9.6%	1,951,866	-6.1%
2-YR SWAP RATE	71,779	29,602	142.5%	57,246	25.4%
30-YR BOND	1,238,008	1,195,989	3.5%	1,225,346	1.0%
30-YR SWAP RATE	9,628	3,876	148.4%	8,923	7.9%
3-YR NOTE	23,675	6,810	247.7%	12,000	97.3%
3-YR SWAP RATE	44,822	9,713	361.5%	37,941	18.1%
4-YR SWAP RATE	11,659	6,117	90.6%	10,819	7.8%
5-YR NOTE	3,627,936	3,228,736	12.4%	3,473,654	4.4%
5-YR SWAP RATE	110,288	53,836	104.9%	95,966	14.9%
7-YR SWAP RATE	21,657	18,859	14.8%	21,864	-0.9%
EURODOLLARS	12,435,271	9,059,010	37.3%	12,655,564	-1.7%
FED FUND	1,191,095	1,505,506	-20.9%	1,065,041	11.8%
SOFR	1,008,709	419,651	140.4%	861,833	17.0%
SONIA	12,764	21,958	-41.9%	15,096	-15.4%
TIIE	299	0	-	260	15.0%
Ultra 10-Year Note	1,440,110	902,211	59.6%	1,453,090	-0.9%
ULTRA T-BOND	1,223,680	987,608	23.9%	1,263,470	-3.1%
<b>Interest Rate Options</b>					
10-YR NOTE	2,564,775	1,928,529	33.0%	2,051,619	25.0%
2-YR NOTE	8,843	14,882	-40.6%	17,335	-49.0%
30-YR BOND	613,189	568,687	7.8%	444,504	37.9%
5-YR NOTE	815,865	512,201	59.3%	449,224	81.6%
EURODOLLARS	15,705,026	22,402,947	-29.9%	17,575,127	-10.6%
EURO MIDCURVE	16,138,610	6,455,317	150.0%	20,662,160	-21.9%
FED FUND	0	150	-100.0%	0	-
SOFR	2,891	225	1,184.9%	7,592	-61.9%
Ultra 10-Year Note	0	0	-	0	-
ULTRA T-BOND	552	2	27,500.0%	381	44.9%

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<b>Equity Index Futures</b>					
BITCOIN FUTURES	34,339	7,487	358.6%	20,999	63.5%
DJ US REAL ESTATE	43,613	35,803	21.8%	42,197	3.4%
E-mini (\$5) Dow	97,908	75,138	30.3%	109,275	-10.4%
E-MINI COM SERVICES SELECT	3,287	4,548	-27.7%	1,955	68.1%
E-mini FTSE 100 (USD)	0	0	-	0	-
E-mini FTSE China 50	41	0	-	21	95.2%
E-MINI MIDCAP	41,706	56,890	-26.7%	43,452	-4.0%
E-MINI NASDAQ 100	225,988	260,149	-13.1%	230,598	-2.0%
E-MINI RUSSELL 1000	13,512	8,913	51.6%	14,528	-7.0%
E-MINI RUSSELL 1000 GROWTH	3,249	2,999	8.3%	3,234	0.5%
E-MINI RUSSELL 1000 VALUE	30,689	13,098	134.3%	32,159	-4.6%
E-MINI RUSSELL 2000	440,225	500,906	-12.1%	460,565	-4.4%
E-MINI S&P500	2,453,207	2,483,219	-1.2%	2,776,075	-11.6%
E-MINI S&P500 ESG	15,566	3,571	335.9%	13,120	18.6%
E-MINI S&P REAL ESTATE SELE	6,045	2,325	160.0%	7,810	-22.6%
ETHER FUTURES	4,388	0	-	4,029	8.9%
FT-SE 100	365	0	-	50	630.0%
FTSE Emerging	0	10	-100.0%	0	-
IBOVESPA INDEX	64	124	-48.4%	30	113.3%
MICRO E-MINI NASDAQ 100	58,392	61,169	-4.5%	117,908	-50.5%
MICRO E-MINI RUSSELL 2000	21,127	9,478	122.9%	42,391	-50.2%
MICRO E-MINI S&P500	106,045	70,694	50.0%	134,292	-21.0%
MICRO MINI \$5 DOW	16,915	10,900	55.2%	23,837	-29.0%
NASDAQ-100 VOLATILITY	0	0	-	0	-
NASDAQ BIOTECH	253	35	622.9%	504	-49.8%
Nearby BTIC+	0	0	-	0	-
NIKKEI 225 (\$) STOCK	22,821	14,911	53.0%	21,656	5.4%
NIKKEI 225 (YEN) STOCK	49,443	39,574	24.9%	57,065	-13.4%
S&P 500	243,868	179,136	36.1%	294,705	-17.3%
S&P 500 ANNUAL DIVIDEND IND	242,495	192,688	25.8%	237,095	2.3%
S&P 500/GI	0	0	-	0	-
S&P 500 QUARLY DIVIDEND IND	7,821	1,114	602.1%	8,146	-4.0%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	3,486	3,238	7.7%	7,541	-53.8%
S&P CONSUMER STAPLES SECT	25,482	8,909	186.0%	33,812	-24.6%
S&P ENERGY SECTOR	31,410	21,595	45.5%	28,559	10.0%
S&P FINANCIAL SECTOR	26,229	10,150	158.4%	33,820	-22.4%
S&P HEALTH CARE SECTOR	25,152	9,225	172.7%	25,992	-3.2%
S&P INDUSTRIAL SECTOR	14,145	10,593	33.5%	20,725	-31.7%
S&P MATERIALS SECTOR	6,883	3,749	83.6%	10,337	-33.4%
S&P TECHNOLOGY SECTOR	12,284	7,207	70.4%	11,317	8.5%
S&P UTILITIES SECTOR	27,036	11,563	133.8%	28,735	-5.9%
S&P VALUE INDEX FUTURES	380	0	-	380	0.0%
WATER INDEX FUTURES	2	0	-	3	-33.3%
YEN DENOMINATED TOPIX	167	96	74.0%	316	-47.2%

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<b>Equity Index Options</b>					
BITCOIN FUTURES	811	3,970	-79.6%	716	13.3%
E-mini (\$5) Dow	1,064	1,313	-19.0%	1,004	6.0%
E-MINI NASDAQ 100	159,935	92,621	72.7%	169,058	-5.4%
E-MINI RUSSELL 2000	13,097	7,777	68.4%	25,623	-48.9%
E-MINI S&P500	1,314,859	1,371,403	-4.1%	2,093,064	-37.2%
EOM E-MINI RUSSELL 2000 END	5,657	2,935	92.7%	3,016	87.6%
EOM EMINI S&P	525,708	444,737	18.2%	561,491	-6.4%
EOM S&P 500	38,600	125	30,780.0%	12,336	212.9%
EOW1 E-MINI RUSSELL 2000 WE	3,523	824	327.5%	4,045	-12.9%
EOW1 EMINI S&P 500	517,741	289,777	78.7%	328,946	57.4%
EOW1 S&P 500	0	14,470	-100.0%	9,685	-100.0%
EOW2 E-MINI RUSSELL 2000 WE	2,019	400	404.8%	1,498	34.8%
EOW2 EMINI S&P 500	180,953	153,946	17.5%	128,948	40.3%
EOW2 S&P 500	0	1,200	-100.0%	1,382	-100.0%
EOW3 E-MINI RUSSELL 2000 WE	22,213	7,168	209.9%	9,107	143.9%
EOW3 EMINI S&P 500	1,015,504	823,427	23.3%	472,905	114.7%
EOW3 S&P 500	0	19,850	-100.0%	0	-
EOW4 E-MINI RUSSELL 2000 WE	773	73	958.9%	91	749.5%
EOW4 EMINI S&P 500	91,358	46,783	95.3%	37,583	143.1%
MICRO E-MINI NASDAQ	1,333	234	469.7%	2,862	-53.4%
MICRO E-MINI NASDAQ END OF	1,208	7	17,157.1%	987	22.4%
MICRO E-MINI NASDAQ WEEKLY	4,153	603	588.7%	2,047	102.9%
MICRO E-MINI S&P 500	11,287	12,284	-8.1%	20,160	-44.0%
MICRO E-MINI S&P 500 END OF	7,203	7,841	-8.1%	4,555	58.1%
MICRO E-MINI S&P 500 WEEKLY	23,886	22,974	4.0%	15,570	53.4%
S&P 500	0	29,138	-100.0%	34,584	-100.0%

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<b>Metals Futures</b>					
ALUMINUM	52,279	65,456	-20.1%	53,866	-2.9%
COBALT METAL FUTURES	1,837	0	-	1,842	-0.3%
COMEX COPPER	183,473	238,885	-23.2%	190,030	-3.5%
COMEX E-Mini GOLD	1,893	2,621	-27.8%	2,095	-9.6%
COMEX E-Mini SILVER	661	840	-21.3%	521	26.9%
COMEX GOLD	487,410	555,967	-12.3%	507,113	-3.9%
COMEX MINY COPPER	561	257	118.3%	393	42.7%
COMEX SILVER	140,479	154,828	-9.3%	140,937	-0.3%
COPPER	19,399	18,349	5.7%	20,515	-5.4%
FERROUS PRODUCTS	4,348	3,352	29.7%	4,349	0.0%
GOLD	981	998	-1.7%	1,467	-33.1%
HOT ROLLED COIL STEEL FUTU	1,997	722	176.6%	2,129	-6.2%
IRON ORE 62 CHINA PLATTS FU	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURE	0	0	-	0	-
IRON ORE CHINA	2,392	2,964	-19.3%	1,818	31.6%
LNDN ZINC	0	0	-	0	-
METALS	105	20	425.0%	0	-
MICRO GOLD	32,027	72,241	-55.7%	32,324	-0.9%
NYMEX HOT ROLLED STEEL	41,655	23,780	75.2%	31,337	32.9%
NYMEX PLATINUM	61,910	54,143	14.3%	67,072	-7.7%
PALLADIUM	9,548	9,132	4.6%	8,595	11.1%
SILVER	6,034	4,926	22.5%	6,559	-8.0%
URANIUM	960	302	217.9%	1,160	-17.2%
<b>Metals Options</b>					
ALUMINUM	1,850	90	1,955.6%	2,050	-9.8%
COMEX COPPER	68,197	13,619	400.7%	55,266	23.4%
COMEX GOLD	745,900	1,115,927	-33.2%	727,034	2.6%
COMEX SILVER	104,148	124,880	-16.6%	95,849	8.7%
COPPER	3	0	-	2	50.0%
GOLD	28,931	23,551	22.8%	21,377	35.3%
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	1,624	2,960	-45.1%	2,004	-19.0%
NYMEX HOT ROLLED STEEL	1,555	625	148.8%	1,055	47.4%
NYMEX PLATINUM	11,060	1,679	558.7%	16,933	-34.7%
PALLADIUM	731	1,651	-55.7%	1,486	-50.8%
SILVER	2,881	1,952	47.6%	2,808	2.6%
<b>Energy Futures</b>					
3.5% FUEL OIL CID MED SWA	0	0	-	0	-
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	10	84	-88.1%	10	0.0%
ANR OKLAHOMA	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	14,105	8,008	76.1%	21,315	-33.8%

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<b>Energy Futures</b>					
ARGUS PROPAN FAR EST INDE	5,828	4,972	17.2%	5,559	4.8%
ARGUS PROPAN(SAUDI ARAMC	1,696	2,095	-19.0%	1,578	7.5%
AUSTRIALIAN COKE COAL	0	0	-	0	-
BRENT BALMO SWAP	300	76	294.7%	125	140.0%
BRENT CALENDAR SWAP	18,898	12,359	52.9%	10,953	72.5%
BRENT FINANCIAL FUTURES	4	130	-96.9%	13	-69.2%
BRENT OIL LAST DAY	205,686	200,119	2.8%	213,369	-3.6%
CAR VINTAGE	9,009	0	-	6,927	30.1%
CENTERPOINT BASIS SWAP	0	0	-	0	-
CHICAGO ETHANOL SWAP	36,482	28,170	29.5%	32,909	10.9%
CHICAGO ULSD PL VS HO SPR	996	1,925	-48.3%	1,216	-18.1%
CHICAGO UNL GAS PL VS RBO	0	195	-100.0%	0	-
CIG BASIS	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	0	0	-	0	-
CINERGY HUB PEAK MONTH	0	0	-	0	-
CIN HUB 5MW D AH PK	0	0	0.0%	0	-
CIN HUB 5MW REAL TIME O P	0	8,288	-100.0%	0	-
CIN HUB 5MW REAL TIME PK	0	448	-100.0%	0	-
COAL SWAP	0	0	-	0	-
COLUMB GULF MAINLINE NG B	0	66	-100.0%	0	-
CONWAY NATURAL GASOLINE (	2,328	910	155.8%	2,396	-2.8%
CONWAY NORMAL BUTANE (OPI	1,674	1,817	-7.9%	1,568	6.8%
CONWAY PROPANE 5 DECIMALS	27,075	27,023	0.2%	25,379	6.7%
CRUDE OIL	8	3,136	-99.7%	8	0.0%
CRUDE OIL LAST DAY	0	0	-	0	-
CRUDE OIL OUTRIGHTS	143,433	160,654	-10.7%	150,593	-4.8%
CRUDE OIL PHY	2,184,485	2,078,929	5.1%	2,086,851	4.7%
CRUDE OIL SPRDS	88,825	108,990	-18.5%	91,464	-2.9%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	32,128	56,964	-43.6%	30,736	4.5%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	785	200	292.5%	370	112.2%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRAN INC - APP I	0	0	-	0	-
DOMINION TRANSMISSION INC	18	678	-97.3%	36	-50.0%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	0	100	-100.0%	0	-
DUTCH TTF NATURAL GAS CAL	15,243	24,019	-36.5%	17,543	-13.1%
EAST/WEST FUEL OIL SPREAD	0	4	-100.0%	0	-
EIA FLAT TAX ONHWAY DIESE	2,820	3,896	-27.6%	3,362	-16.1%
ELEC FINSETTLED	0	170	-100.0%	0	-
ELEC MISO PEAK	0	0	-	0	-
ELEC NYISO OFF-PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	0	3,138	-100.0%	0	-
ETHANOL	0	91	-100.0%	0	-
ETHANOL SWAP	690	475	45.3%	835	-17.4%
ETHANOL T2 FOB ROTT INCL DU	8,161	6,491	25.7%	6,839	19.3%
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	10	0	-	0	-
EURO 3.5% FUEL OIL SPREAD	0	0	-	0	-

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<b>Energy Futures</b>					
EURO GASOIL 10PPM VS ICE	1,082	0	-	708	52.8%
EUROPE 1% FUEL OIL NWE CA	74	0	-	76	-2.6%
EUROPE 1% FUEL OIL RDAM C	0	0	-	0	-
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-
EUROPE 3.5% FUEL OIL RDAM	227	946	-76.0%	160	41.9%
EUROPEAN GASOIL (ICE)	3,381	95	3,458.9%	3,375	0.2%
EUROPEAN NAPHTHA BALMO	23	0	-	0	-
EUROPEAN NAPHTHA CRACK SP	7,243	3,353	116.0%	5,889	23.0%
EUROPE DATED BRENT SWAP	12	34	-64.7%	13	-7.7%
EUROPE JET KERO NWE CALSW	10	0	-	10	0.0%
EUROPE NAPHTHA CALSWAP	1,280	907	41.1%	1,367	-6.4%
EURO PROPANE CIF ARA SWA	2,559	2,696	-5.1%	2,335	9.6%
FREIGHT MARKETS	851	2,253	-62.2%	824	3.3%
FUEL OIL CRACK VS ICE	1,832	3,137	-41.6%	1,936	-5.4%
FUEL OIL NWE CRACK VS ICE	72	52	38.5%	72	0.0%
FUEL OIL (PLATS) CAR CM	0	0	-	0	-
FUEL OIL (PLATS) CAR CN	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	36	208	-82.7%	45	-20.0%
GAS EURO-BOB OXY NWE BARG	1,792	2,596	-31.0%	1,658	8.1%
GAS EURO-BOB OXY NWE BARG	15,646	17,307	-9.6%	13,811	13.3%
GASOIL 0.1CIF MED VS ICE	60	0	-	60	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	17	0	-	25	-32.0%
GASOIL 0.1 ROTTERDAM BARG	83	25	232.0%	78	6.4%
GASOIL 10PPM VS ICE SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	352	66	433.3%	178	97.8%
GASOIL CRACK SPREAD CALEN	7,269	3,679	97.6%	5,862	24.0%
GASOIL MINI CALENDAR SWAP	1,452	1,075	35.1%	1,597	-9.1%
GERMAN POWER BASELOAD CA	418	1,221	-65.8%	575	-27.3%
GROUP THREE ULSD (PLATTS)	0	0	-	0	-
GROUP THREE UNLEAD GAS (P	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	8,065	7,740	4.2%	8,225	-1.9%
GRP THREE UNL GS (PLT) VS	4,258	2,495	70.7%	4,499	-5.4%
GULF COAST 3% FUEL OIL BA	0	35	-100.0%	605	-100.0%
GULF COAST JET FUEL CLNDR	0	2,495	-100.0%	0	-
GULF COAST JET VS NYM 2 H	19,835	17,931	10.6%	23,986	-17.3%
GULF COAST NO.6 FUEL OIL	8,883	11,482	-22.6%	6,655	33.5%
GULF COAST ULSD CALENDAR	2,859	5,256	-45.6%	3,515	-18.7%
GULF COAST ULSD CRACK SPR	40	360	-88.9%	50	-20.0%
HEATING OIL BALMO CLNDR S	200	0	-	318	-37.1%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	435,578	425,022	2.5%	391,410	11.3%
HENRY HUB BASIS SWAP	0	620	-100.0%	0	-
HENRY HUB FINANCIAL LAST	0	75	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	0	1,708	-100.0%	0	-
HENRY HUB SWAP	543,173	707,030	-23.2%	550,722	-1.4%
HOUSTON SHIP CHANNEL BASI	460	3,021	-84.8%	610	-24.6%
HTG OIL	128	128	0.0%	138	-7.2%
ICE BRENT DUBAI SWAP	2,772	12,927	-78.6%	3,333	-16.8%
ICE GASOIL BALMO SWAP	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Energy Futures</b>					
INDIANA MISO	0	771	-100.0%	0	-
INDONESIAN COAL ICI4	60	298	-79.9%	196	-69.4%
JAPAN C&F NAPHTHA CRACK S	0	0	-	0	-
JAPAN C&F NAPHTHA SWAP	207	379	-45.4%	167	24.0%
JAPAN NAPHTHA BALMO SWAP	12	0	-	0	-
JET AV FUEL (P) CAR FM ICE GA	0	0	-	0	-
JET CIF NWE VS ICE	741	20	3,605.0%	673	10.1%
JET FUEL CRG CIF NEW VS I	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	3,040	2,310	31.6%	3,170	-4.1%
JKM LNG Futures	2,761	7,864	-64.9%	3,050	-9.5%
LA CARB DIESEL (OPIS) SWA	620	313	98.1%	695	-10.8%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-
LA JET (OPIS) SWAP	1,220	647	88.6%	1,315	-7.2%
LLS (ARGUS) CALENDAR SWAP	0	125	-100.0%	10	-100.0%
LLS (ARGUS) VS WTI SWAP	2,598	6,139	-57.7%	2,773	-6.3%
LOS ANGELES CARB GASOLINE	0	0	-	0	-
LTD NAT GAS	563,174	328,589	71.4%	547,541	2.9%
MARS (ARGUS) VS WTI SWAP	340	200	70.0%	350	-2.9%
MARS (ARGUS) VS WTI TRD M	15,090	16,574	-9.0%	16,075	-6.1%
MARS BLEND CRUDE OIL	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	18,164	15,133	20.0%	18,246	-0.4%
MCCLOSKEY RCH BAY COAL	1,232	953	29.3%	1,012	21.7%
MGF FUT	0	0	-	0	-
MGN1 SWAP FUT	0	120	-100.0%	0	-
MICHIGAN BASIS	0	124	-100.0%	0	-
MICHIGAN MISO	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	17	0	-	10	70.0%
MINI RBOB V. EBOBARG NWE BF	0	640	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NW	1,117	1,015	10.0%	1,160	-3.7%
MINY HTG OIL	0	0	0.0%	2	-100.0%
MINY NATURAL GAS	6,922	3,972	74.3%	5,710	21.2%
MINY RBOB GAS	1	0	0.0%	0	0.0%
MINY WTI CRUDE OIL	5,667	2,466	129.8%	3,232	75.3%
MJC FUT	40	20	100.0%	40	0.0%
MNC FUT	2,222	1,074	106.9%	1,815	22.4%
MONT BELVIEU ETHANE 5 DECI	53,976	65,695	-17.8%	52,489	2.8%
MONT BELVIEU ETHANE OPIS B	665	1,295	-48.6%	245	171.4%
MONT BELVIEU LDH PROPANE 5	132,814	138,631	-4.2%	133,168	-0.3%
MONT BELVIEU LDH PROPANE C	3,363	1,513	122.3%	2,609	28.9%
MONT BELVIEU NATURAL GASO	32,970	36,475	-9.6%	31,907	3.3%
MONT BELVIEU NATURAL GASO	1,195	1,060	12.7%	849	40.8%
MONT BELVIEU NORMAL BUTAN	64,768	67,056	-3.4%	60,557	7.0%
MONT BELVIEU NORMAL BUTAN	1,448	1,216	19.1%	1,150	25.9%
NAT GAS BASIS SWAP	0	0	-	0	-
NATURAL GAS	150,044	113,395	32.3%	151,299	-0.8%
NATURAL GAS PEN SWP	204,059	193,464	5.5%	210,794	-3.2%
NATURAL GAS PHY	1,366,597	1,271,456	7.5%	1,433,792	-4.7%
NEPOOL INTR HUB 5MW D AH	31,243	203,208	-84.6%	47,335	-34.0%
NEPOOL NE MASS 5MW D AH O	0	0	-	0	-
NEPOOL NE MASS 5MW D AH P	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Energy Futures</b>					
NEW ENGLAND HUB PEAK DAIL	896	1,155	-22.4%	896	0.0%
NEW YORK ETHANOL SWAP	345	835	-58.7%	200	72.5%
NEW YORK HUB ZONE G PEAK	320	1,353	-76.3%	320	0.0%
NEW YORK HUB ZONE J PEAK	0	264	-100.0%	0	-
NGPL MID-CONTINENT	0	520	-100.0%	0	-
NGPL TEX/OK	0	120	-100.0%	0	-
N ILLINOIS HUB DAILY	20	10	100.0%	20	0.0%
NO 2 UP-DOWN SPREAD CALEN	0	0	-	0	-
NORTHEN NATURAL GAS DEMA	0	0	-	0	-
NORTHEN NATURAL GAS VENTL	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	0	184	-100.0%	0	-
N ROCKIES PIPE SWAP	0	0	-	0	-
NY1% VS GC SPREAD SWAP	120	578	-79.2%	150	-20.0%
NY 3.0% FUEL OIL (PLATTS	0	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	9,257	11,220	-17.5%	8,487	9.1%
NY HARBOR LOW SULPUR GAS	1,105	640	72.7%	1,305	-15.3%
NY HARBOR RESIDUAL FUEL 1	675	1,182	-42.9%	575	17.4%
NY HARBOR RESIDUAL FUEL C	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	9,414	2,787	237.8%	8,962	5.0%
NYISO CAPACITY	0	83	-100.0%	0	-
NYISO ZONE A 5MW D AH O P	0	1,586	-100.0%	0	-
NYISO ZONE A 5MW D AH PK	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	0	98,066	-100.0%	8,160	-100.0%
NYISO ZONE G 5MW D AH PK	6,815	9,922	-31.3%	7,025	-3.0%
NYISO ZONE J 5MW D AH O P	0	2,379	-100.0%	0	-
NYISO ZONE J 5MW D AH PK	0	336	-100.0%	0	-
NYMEX ALUMINUM FUTURES	0	0	-	0	-
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	41	1,763	-97.7%	53	-22.6%
ONEOK OKLAHOMA NG BASIS	0	0	-	0	-
ONTARIO POWER SWAPS	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	39	453	-91.4%	77	-49.4%
PERMIAN BASIS SWAP	0	828	-100.0%	0	-
PETROCHEMICALS	14,771	13,668	8.1%	14,937	-1.1%
PETRO CRCKS & SPRDS ASIA	175	330	-47.0%	200	-12.5%
PETRO CRCKS & SPRDS NA	39,519	41,982	-5.9%	35,241	12.1%
PETRO CRK&SPRD EURO	2,654	3,570	-25.7%	2,192	21.1%
PETROLEUM PRODUCTS	2,724	3,032	-10.2%	2,480	9.8%
PETROLEUM PRODUCTS ASIA	760	866	-12.2%	719	5.7%
PETRO OUTRIGHT EURO	20,751	16,793	23.6%	20,661	0.4%
PETRO OUTRIGHT NA	4,889	4,138	18.1%	3,625	34.9%
PJM AD HUB 5MW REAL TIME	30,845	69,738	-55.8%	32,870	-6.2%
PJM BGE DA OFF-PEAK	0	0	-	0	-
PJM BGE DA PEAK	0	0	-	0	-
PJM COMED 5MW D AH O PK	0	0	-	0	-
PJM COMED 5MW D AH PK	0	0	-	0	-
PJM DAILY	312	286	9.1%	312	0.0%
PJM DAYTON DA OFF-PEAK	0	7,930	-100.0%	0	-
PJM DAYTON DA PEAK	0	420	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Energy Futures</b>					
PJM MONTHLY	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	12,340	55,445	-77.7%	16,390	-24.7%
PJM NILL DA OFF-PEAK	0	0	-	0	-
PJM NILL DA PEAK	0	0	-	0	-
PJM OFF-PEAK LMP SWAP FUT	0	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	-
PJM WESTH DA OFF-PEAK	0	1,586	-100.0%	0	-
PJM WESTHDA PEAK	0	84	-100.0%	0	-
PJM WESTH RT OFF-PEAK	233,980	333,505	-29.8%	241,660	-3.2%
PJM WESTH RT PEAK	26,455	31,719	-16.6%	29,563	-10.5%
PLASTICS	2,264	3,846	-41.1%	1,869	21.1%
PREMIUM UNLD 10P FOB MED	0	21	-100.0%	0	-
PREMIUM UNLEAD 10PPM FOB	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	0	0	-	0	-
PROPANE NON-LDH MB (OPIS) B	879	942	-6.7%	2,171	-59.5%
PROPANE NON-LDH MT. BEL (OF	52,291	59,534	-12.2%	55,062	-5.0%
RBOB CALENDAR SWAP	14,588	13,676	6.7%	17,319	-15.8%
RBOB CRACK SPREAD	12,042	2,695	346.8%	12,375	-2.7%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	74	86	-14.0%	81	-8.6%
RBOB GASOLINE BALMO CLNDR	1,885	295	539.0%	1,825	3.3%
RBOB PHY	321,248	358,508	-10.4%	332,615	-3.4%
RBOB VS HEATING OIL SWAP	430	700	-38.6%	575	-25.2%
SAN JUAN BASIS SWAP	0	62	-100.0%	0	-
SAN JUAN PIPE SWAP	0	0	-	0	-
SINGAPORE 180CST BALMO	0	0	-	0	-
SINGAPORE 380CST BALMO	10	0	-	0	-
SINGAPORE 380CST FUEL OIL	321	293	9.6%	395	-18.7%
SINGAPORE FUEL 180CST CAL	0	19	-100.0%	0	-
SINGAPORE FUEL OIL 180 CS	12	0	-	0	-
SINGAPORE FUEL OIL SPREAD	0	70	-100.0%	0	-
SINGAPORE GASOIL	1,517	721	110.4%	1,457	4.1%
SINGAPORE GASOIL CALENDAR	1,652	1,844	-10.4%	1,773	-6.8%
SINGAPORE GASOIL SWAP	2,656	1,339	98.4%	3,263	-18.6%
SINGAPORE GASOIL VS ICE	5,111	2,243	127.9%	4,721	8.3%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	2,040	0	-	1,490	36.9%
SINGAPORE JET KEROSENE SW	600	775	-22.6%	455	31.9%
SINGAPORE MOGAS 92 UNLEAD	300	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	1,567	6,883	-77.2%	1,267	23.7%
SING FUEL	0	0	-	0	-
Sumas Basis Swap	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	15	60	-75.0%	15	0.0%
TC5 RAS TANURA TO YOKOHAM	195	315	-38.1%	75	160.0%
TCO BASIS SWAP	0	124	-100.0%	0	-
TD3 MEG TO JAPAN 250K MT	5,310	6,531	-18.7%	5,238	1.4%
TEXAS EASTERN ZONE M-3 BA	0	1,241	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
TRANSCO ZONE4 BASIS SWAP	0	376	-100.0%	0	-
TRANSCO ZONE 6 BASIS SWAP	0	0	-	0	-
UCM FUT	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	0	180	-100.0%	0	-
ULSD UP-DOWN BALMO SWP	3,670	4,220	-13.0%	2,930	25.3%
UP DOWN GC ULSD VS NMX HO	67,425	51,352	31.3%	64,646	4.3%
WAHA BASIS	0	92	-100.0%	0	-
WTI-BRENT BULLET SWAP	0	17	-100.0%	0	-
WTI-BRENT CALENDAR SWAP	97,990	92,137	6.4%	91,855	6.7%
WTI CALENDAR	151,765	153,779	-1.3%	148,395	2.3%
WTI MIDLAND CRUDE OIL	840	100	740.0%	1,260	-33.3%
WTS (ARGUS) VS WTI SWAP	44,430	74,145	-40.1%	48,031	-7.5%
WTS (ARGUS) VS WTI TRD MT	8,261	9,802	-15.7%	8,709	-5.1%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
BRENT CALENDAR SWAP	2,263	1,802	25.6%	2,703	-16.3%
BRENT CRUDE OIL 1 M CSO	155,700	7,500	1,976.0%	145,550	7.0%
BRENT OIL LAST DAY	169,615	195,204	-13.1%	171,897	-1.3%
COAL API2 INDEX	980	0	-	1,025	-4.4%
CRUDE OIL	0	0	-	0	-
CRUDE OIL 1MO	306,110	425,840	-28.1%	320,180	-4.4%
CRUDE OIL APO	226,570	269,440	-15.9%	225,815	0.3%
CRUDE OIL CALNDR STRIP	0	50	-100.0%	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL PHY	2,233,949	1,849,226	20.8%	2,071,633	7.8%
ELEC FINSETTLED	43	43	0.0%	43	0.0%
ETHANOL SWAP	5,888	12,000	-50.9%	6,049	-2.7%
FREIGHT MARKETS	0	0	-	0	-
HEATING OIL CRK SPD AVG PRI	4,215	0	-	3,820	10.3%
HEATING OIL PHY	29,451	17,414	69.1%	13,074	125.3%
HENRY HUB FINANCIAL LAST	31,157	34,117	-8.7%	34,085	-8.6%
HO 1 MONTH CLNDR OPTIONS	200	0	-	0	-
LLS CRUDE OIL	200	1,400	-85.7%	300	-33.3%
MCCLOSKEY ARA ARGS COAL	726	4,467	-83.7%	924	-21.4%
MCCLOSKEY RCH BAY COAL	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	133,275	141,225	-5.6%	107,850	23.6%
NATURAL GAS 2 M CSO FIN	16,200	5,200	211.5%	16,200	0.0%
NATURAL GAS 3 M CSO FIN	0	0	-	52,880	-100.0%
NATURAL GAS 5 M CSO FIN	0	1,000	-100.0%	4,150	-100.0%
NATURAL GAS 6 M CSO FIN	27,200	15,400	76.6%	25,700	5.8%
NATURAL GAS OPT	45,480	74,690	-39.1%	53,470	-14.9%
NATURAL GAS OPTION ON CALE	47,384	21,020	125.4%	47,384	0.0%
NATURAL GAS PHY	2,578,775	2,278,384	13.2%	2,640,298	-2.3%
NATURAL GAS SUMMER STRIP	0	400	-100.0%	0	-
NATURAL GAS WINTER STRIP	0	600	-100.0%	0	-
N ROCKIES PIPE SWAP	0	0	-	0	-
NY HARBOR HEAT OIL SWP	7,725	8,213	-5.9%	6,519	18.5%
PETROCHEMICALS	9,319	1,296	619.1%	8,336	11.8%
PETRO OUTRIGHT EURO	0	8	-100.0%	0	-
PETRO OUTRIGHT NA	1,000	1,040	-3.8%	1,040	-3.8%
PJM WES HUB PEAK CAL MTH	850	1,510	-43.7%	850	0.0%
PJM WES HUB PEAK LMP 50MW	88	512	-82.8%	130	-32.3%
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-
RBOB CALENDAR SWAP	826	540	53.0%	1,035	-20.2%
RBOB CRACK	0	0	-	0	-
RBOB PHY	10,875	8,021	35.6%	12,378	-12.1%
SAN JUAN PIPE SWAP	0	0	-	0	-
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	0	0.0%	150	-100.0%
WTI-BRENT BULLET SWAP	220,575	159,280	38.5%	188,900	16.8%
WTI CRUDE OIL 1 M CSO FI	103,700	210,215	-50.7%	134,950	-23.2%

### FX Futures

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>FX Futures</b>					
AD/CD CROSS RATES	24	0	-	26	-7.7%
AD/JY CROSS RATES	132	216	-38.9%	353	-62.6%
AD/NE CROSS RATES	67	32	109.4%	170	-60.6%
AUSTRALIAN DOLLAR	189,976	127,081	49.5%	182,084	4.3%
BP/JY CROSS RATES	484	378	28.0%	832	-41.8%
BP/SF CROSS RATES	1,368	90	1,420.0%	570	140.0%
BRAZIL REAL	31,264	44,880	-30.3%	41,316	-24.3%
BRITISH POUND	186,375	159,335	17.0%	194,010	-3.9%
CANADIAN DOLLAR	120,866	111,781	8.1%	170,439	-29.1%
CD/JY CROSS RATES	30	4	650.0%	68	-55.9%
CHINESE RENMINBI (CNH)	3,289	3,150	4.4%	3,348	-1.8%
CZECK KORUNA (EC)	0	2	-100.0%	0	-
CZECK KORUNA (US)	0	1	-100.0%	1	-100.0%
EC/AD CROSS RATES	2,511	3,030	-17.1%	2,886	-13.0%
EC/CD CROSS RATES	4,025	2,089	92.7%	4,146	-2.9%
EC/NOK CROSS RATES	763	190	301.6%	786	-2.9%
EC/SEK CROSS RATES	505	517	-2.3%	530	-4.7%
EFX/BP CROSS RATES	30,160	24,281	24.2%	30,625	-1.5%
EFX/JY CROSS RATES	28,205	16,913	66.8%	28,588	-1.3%
EFX/SF CROSS RATES	8,350	8,026	4.0%	17,603	-52.6%
E-MICRO USD/CAD	7	0	-	52	-86.5%
E-MICRO USD/CHF	0	0	-	3	-100.0%
E-MICRO USD/JPY	34	0	-	1	3,300.0%
E-MINI EURO FX	18,160	12,857	41.2%	18,584	-2.3%
E-MINI JAPANESE YEN	599	589	1.7%	803	-25.4%
EURO FX	686,562	652,188	5.3%	705,110	-2.6%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	17	-100.0%	31	-100.0%
INDIAN RUPEE	2,391	1,935	23.6%	2,512	-4.8%
JAPANESE YEN	232,813	159,942	45.6%	193,999	20.0%
KOREAN WON	1,084	368	194.6%	1,252	-13.4%
MEXICAN PESO	177,676	120,011	48.0%	153,285	15.9%
MICRO AUD/USD	4,708	5,384	-12.6%	6,185	-23.9%
MICRO CAD/USD	2,437	1,430	70.4%	2,962	-17.7%
MICRO CHF/USD	1,173	1,175	-0.2%	1,645	-28.7%
MICRO EUR/USD	21,719	10,964	98.1%	29,175	-25.6%
MICRO GBP/USD	2,441	4,427	-44.9%	3,069	-20.5%
MICRO INR/USD	148	81	82.7%	440	-66.4%
MICRO JPY/USD	2,314	1,900	21.8%	2,375	-2.6%
MICRO USD/CNH	0	0	-	0	-
NEW ZEALND DOLLAR	35,381	35,466	-0.2%	48,296	-26.7%
NKR/USD CROSS RATE	1,620	1,520	6.6%	1,790	-9.5%
POLISH ZLOTY (EC)	97	61	59.0%	130	-25.4%
POLISH ZLOTY (US)	607	216	181.0%	480	26.5%
RMB USD	0	1	-100.0%	0	-
RUSSIAN RUBLE	52,234	21,198	146.4%	49,822	4.8%
S.AFRICAN RAND	14,517	12,475	16.4%	18,158	-20.1%
SF/JY CROSS RATES	9	2	350.0%	34	-73.5%
SHEKEL	0	7	-100.0%	0	-
SKR/USD CROSS RATES	1,197	1,163	2.9%	1,481	-19.2%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>FX Futures</b>					
SWISS FRANC	58,923	46,074	27.9%	43,060	36.8%
TURKISH LIRA	91	1,051	-91.3%	9	911.1%
USDZAR	0	0	-	0	-
<b>FX Options</b>					
AUD/USD MONDAY OPTION WEE	662	611	8.3%	0	-
AUD/USD MONDAY OPTION WEE	82	179	-54.2%	222	-63.1%
AUD/USD MONDAY OPTION WEE	170	0	-	204	-16.7%
AUD/USD MONDAY OPTION WEE	46	228	-79.8%	155	-70.3%
AUD/USD MONDAY OPTION WEE	0	0	-	0	0.0%
AUD/USD MONTHLY OPTIONS	195,324	59,647	227.5%	246,643	-20.8%
AUD/USD WKLY FRIDAY OPTION	2,564	1,873	36.9%	234	995.7%
AUD/USD WKLY FRIDAY OPTION	0	30	-100.0%	1,106	-100.0%
AUD/USD WKLY FRIDAY OPTION	1,544	501	208.2%	572	169.9%
AUD/USD WKLY FRIDAY OPTION	920	1,630	-43.6%	448	105.4%
AUD/USD WKLY FRIDAY OPTION	418	633	-34.0%	0	-
AUD/USD WKLY WED OPTIONS -	147	974	-84.9%	1,242	-88.2%
AUD/USD WKLY WED OPTIONS -	784	224	250.0%	188	317.0%
AUD/USD WKLY WED OPTIONS -	0	13	-100.0%	0	-
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
BRL/USD MONTHLY OPTIONS	0	10	-100.0%	271	-100.0%
CAD/USD MONDAY OPTIONS WE	1,531	86	1,680.2%	0	-
CAD/USD MONDAY OPTIONS WE	3,004	0	-	571	426.1%
CAD/USD MONDAY OPTIONS WE	585	152	284.9%	854	-31.5%
CAD/USD MONDAY OPTIONS WE	100	94	6.4%	729	-86.3%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	0.0%
CAD/USD MONTHLY OPTIONS	226,659	53,455	324.0%	190,597	18.9%
CAD/USD WKLY FRIDAY OPTION	10,074	4,047	148.9%	32	31,381.3%
CAD/USD WKLY FRIDAY OPTION	0	13	-100.0%	3,568	-100.0%
CAD/USD WKLY FRIDAY OPTION	5,198	856	507.2%	2,844	82.8%
CAD/USD WKLY FRIDAY OPTION	1,568	1,813	-13.5%	2,078	-24.5%
CAD/USD WKLY FRIDAY OPTION	1,734	113	1,434.5%	0	-
CAD/USD WKLY WED OPTIONS -	4,737	292	1,522.3%	2,148	120.5%
CAD/USD WKLY WED OPTIONS -	1,351	41	3,195.1%	1,885	-28.3%
CAD/USD WKLY WED OPTIONS -	844	0	-	397	112.6%
CAD/USD WKLY WED OPTIONS -	100	0	-	442	-77.4%
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
CHF/USD MONTHLY OPTIONS	18,068	7,095	154.7%	13,509	33.7%
CHF/USD WKLY FRIDAY OPTION	92	81	13.6%	83	10.8%
CHF/USD WKLY FRIDAY OPTION	0	0	-	307	-100.0%
CHF/USD WKLY FRIDAY OPTION	152	10	1,420.0%	0	-
CHF/USD WKLY FRIDAY OPTION	19	544	-96.5%	0	-
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-
EUR/GBP MONTHLY OPTIONS	6	0	-	0	-
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD MONDAY OPTION WEE	896	1,015	-11.7%	0	-
EUR/USD MONDAY OPTION WEE	55	1,792	-96.9%	264	-79.2%
EUR/USD MONDAY OPTION WEE	267	620	-56.9%	1,615	-83.5%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>FX Options</b>					
EUR/USD MONDAY OPTION WEE	89	317	-71.9%	152	-41.4%
EUR/USD MONDAY OPTION WEE	0	0	-	0	0.0%
EUR/USD MONTHLY OPTIONS	201,859	237,232	-14.9%	228,525	-11.7%
EUR/USD WKLY FRIDAY OPTION	14,140	13,455	5.1%	153	9,141.8%
EUR/USD WKLY FRIDAY OPTION	0	23	-100.0%	2,574	-100.0%
EUR/USD WKLY FRIDAY OPTION	5,327	3,245	64.2%	965	452.0%
EUR/USD WKLY FRIDAY OPTION	2,092	3,525	-40.7%	1,152	81.6%
EUR/USD WKLY FRIDAY OPTION	3,342	3,245	3.0%	0	-
EUR/USD WKLY WED OPTIONS -	3,840	5,444	-29.5%	4,043	-5.0%
EUR/USD WKLY WED OPTIONS -	1,371	377	263.7%	1,601	-14.4%
EUR/USD WKLY WED OPTIONS -	164	757	-78.3%	256	-35.9%
EUR/USD WKLY WED OPTIONS -	146	0	-	265	-44.9%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
GBP/USD MONDAY OPTION WEE	942	1,455	-35.3%	0	-
GBP/USD MONDAY OPTION WEE	280	186	50.5%	213	31.5%
GBP/USD MONDAY OPTION WEE	426	80	432.5%	176	142.0%
GBP/USD MONDAY OPTION WEE	0	0	-	2	-100.0%
GBP/USD MONDAY OPTION WEE	0	0	-	0	0.0%
GBP/USD MONTHLY OPTIONS	87,097	122,958	-29.2%	80,495	8.2%
GBP/USD WKLY FRIDAY OPTION	3,329	4,439	-25.0%	70	4,655.7%
GBP/USD WKLY FRIDAY OPTION	0	0	-	1,057	-100.0%
GBP/USD WKLY FRIDAY OPTION	1,889	2,199	-14.1%	1,089	73.5%
GBP/USD WKLY FRIDAY OPTION	1,729	691	150.2%	563	207.1%
GBP/USD WKLY FRIDAY OPTION	833	884	-5.8%	0	-
GBP/USD WKLY WED OPTIONS -	251	929	-73.0%	363	-30.9%
GBP/USD WKLY WED OPTIONS -	239	545	-56.1%	7	3,314.3%
GBP/USD WKLY WED OPTIONS -	0	10	-100.0%	1	-100.0%
GBP/USD WKLY WED OPTIONS -	0	0	-	55	-100.0%
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
JPY/USD MONDAY OPTION WEE	133	1,641	-91.9%	0	-
JPY/USD MONDAY OPTION WEE	515	150	243.3%	139	270.5%
JPY/USD MONDAY OPTION WEE	185	0	-	192	-3.6%
JPY/USD MONDAY OPTION WEE	169	227	-25.6%	102	65.7%
JPY/USD MONDAY OPTION WEE	0	0	-	0	0.0%
JPY/USD MONTHLY OPTIONS	96,002	92,485	3.8%	103,037	-6.8%
JPY/USD WKLY FRIDAY OPTION	6,120	9,330	-34.4%	10	61,100.0%
JPY/USD WKLY FRIDAY OPTION	0	102	-100.0%	1,099	-100.0%
JPY/USD WKLY FRIDAY OPTION	1,578	2,105	-25.0%	999	58.0%
JPY/USD WKLY FRIDAY OPTION	1,065	1,182	-9.9%	682	56.2%
JPY/USD WKLY FRIDAY OPTION	724	1,556	-53.5%	0	-
JPY/USD WKLY WED OPTIONS -	2,441	2,066	18.2%	2,515	-2.9%
JPY/USD WKLY WED OPTIONS -	2,105	204	931.9%	619	240.1%
JPY/USD WKLY WED OPTIONS -	228	50	356.0%	0	-
JPY/USD WKLY WED OPTIONS -	100	0	-	113	-11.5%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
MXN/USD MONTHLY OPTIONS	3,523	1,423	147.6%	2,065	70.6%
MXN/USD WKLY FRIDAY OPTION	0	4,413	-100.0%	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	472	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>FX Options</b>					
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	26	71	-63.4%	642	-96.0%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
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	39	-100.0%	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	0	0	-	0	-
<b>Foreign Exchange Options</b>					
AUD/USD WKLY WED OPTIONS -	1	9	-88.9%	6	-83.3%
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	5,699	3,905	45.9%	3,369	69.2%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Ag Products Futures</b>					
BLOCK CHEESE	3,004	544	452.2%	3,673	-18.2%
BUTTER CS	6,689	9,348	-28.4%	8,790	-23.9%
CASH-SETTLED CHEESE	18,396	25,022	-26.5%	24,340	-24.4%
CAT ASIA WEATHER	0	0	-	0	-
CATTLE	291,695	302,622	-3.6%	315,209	-7.5%
CAT WEATHER EUROPEAN	0	0	-	500	-100.0%
CDD SEASONAL STRIP	1,150	0	-	4,875	-76.4%
CDD WEATHER	1,650	1,050	57.1%	2,450	-32.7%
CHI WHEAT	356,654	388,746	-8.3%	374,928	-4.9%
CLASS IV MILK	4,410	6,168	-28.5%	3,674	20.0%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,398,058	1,526,778	-8.4%	1,374,654	1.7%
COTTON	0	1	-100.0%	0	-
DJ_UBS ROLL SELECT INDEX FU	6,538	2,178	200.2%	6,320	3.4%
DOW-UBS COMMOD INDEX	32,718	20,427	60.2%	41,554	-21.3%
DRY WHEY	3,036	3,418	-11.2%	4,346	-30.1%
FEEDER CATTLE	42,569	43,440	-2.0%	49,473	-14.0%
FERTILIZER PRODUCTS	0	195	-100.0%	0	-
GOLDMAN SACHS	1,691	5,988	-71.8%	1,708	-1.0%
GSCI EXCESS RETURN FUT	53,730	46,020	16.8%	57,635	-6.8%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	350	0	-	0	-
HDD WEATHER	1,300	17,350	-92.5%	150	766.7%
HDD WEATHER EUROPEAN	3,000	0	-	3,000	0.0%
HOGS	255,038	228,618	11.6%	268,337	-5.0%
HOUSING INDEX	41	48	-14.6%	40	2.5%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	223,752	225,973	-1.0%	231,629	-3.4%
LUMBER	1,766	3,529	-50.0%	2,236	-21.0%
MALAYSIAN PALM SWAP	21,630	16,140	34.0%	25,420	-14.9%
MILK	21,774	22,753	-4.3%	26,750	-18.6%
MINI CORN	14,882	8,197	81.6%	14,551	2.3%
MINI SOYBEAN	18,476	25,498	-27.5%	24,529	-24.7%
MINI WHEAT	3,700	2,544	45.4%	3,110	19.0%
MLK MID OPTIONS	0	6	-100.0%	0	-
NFD MILK	6,859	8,135	-15.7%	7,585	-9.6%
OATS	4,702	5,307	-11.4%	4,845	-3.0%
PACIFIC RIM DAT SS WTHR	1,000	0	-	0	-
PORK CUTOUT	747	0	-	757	-1.3%
ROUGH RICE	9,098	9,642	-5.6%	7,773	17.0%
SOYBEAN	695,451	994,321	-30.1%	670,194	3.8%
SOYBEAN MEAL	372,804	440,883	-15.4%	349,675	6.6%
SOYBEAN OIL	381,205	471,189	-19.1%	410,633	-7.2%
S&P GSCI ENHANCED ER SWAP	1,001	3,762	-73.4%	1,001	0.0%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	14,677	8,836	66.1%	11,346	29.4%
WHEAT	22,750	28,883	-21.2%	27,306	-16.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BLOCK CHEESE	1,287	1,407	-8.5%	1,306	-1.5%
BUTTER CS	6,040	7,672	-21.3%	9,151	-34.0%
CASH-SETTLED CHEESE	13,626	28,974	-53.0%	24,188	-43.7%
CATTLE	185,046	167,358	10.6%	161,436	14.6%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	4,200	0	-	8,450	-50.3%
CDD WEATHER	1,000	0	-	3,500	-71.4%
CHI WHEAT	245,102	320,815	-23.6%	218,776	12.0%
CLASS IV MILK	18,638	9,222	102.1%	17,926	4.0%
CORN	1,484,947	1,216,312	22.1%	1,430,505	3.8%
CORN NEARBY+2 CAL SPRD	16,308	12,518	30.3%	11,299	44.3%
DEC-DEC CORN CAL SPRD	877	2,768	-68.3%	887	-1.1%
DEC-JULY CORN CAL SPRD	7,585	2,656	185.6%	5,935	27.8%
DEC-JULY WHEAT CAL SPRD	0	1,335	-100.0%	0	-
DRY WHEY	1,056	2,027	-47.9%	1,198	-11.9%
FEEDER CATTLE	23,940	15,646	53.0%	18,522	29.3%
HDD EURO SEASONAL STRIP	1,500	0	-	500	200.0%
HDD SEASONAL STRIP	21,420	0	-	6,000	257.0%
HDD WEATHER	0	4,500	-100.0%	0	-
HDD WEATHER EUROPEAN	17,000	0	-	0	-
HOGS	238,755	197,096	21.1%	206,990	15.3%
HOUSING INDEX	0	0	-	0	-
Intercommodity Spread	0	330	-100.0%	0	-
JAN-MAR SOYBEAN CSO	0	10	-100.0%	0	-
JULY-DEC CORN CAL SPRD	8,225	2,020	307.2%	4,775	72.3%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-
JULY-DEC SOY OIL CAL SPRD	0	29	-100.0%	0	-
JULY-DEC WHEAT CAL SPRD	0	500	-100.0%	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	0	103	-100.0%	0	-
KC WHEAT	65,993	59,650	10.6%	55,892	18.1%
LUMBER	523	611	-14.4%	317	65.0%
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	165	-100.0%	0	-
MILK	77,444	58,214	33.0%	85,240	-9.1%
MLK MID OPTIONS	4	22	-81.8%	4	0.0%
NFD MILK	10,178	13,470	-24.4%	13,138	-22.5%
NOV-JULY SOYBEAN CAL SPRD	0	2,160	-100.0%	0	-
NOV-MAR SOYBEAN CSO	100	1,235	-91.9%	100	0.0%
NOV-NOV SOYBEAN CAL SPRD	0	120	-100.0%	0	-
OATS	977	1,233	-20.8%	664	47.1%
PORK CUTOUT	11	0	-	20	-45.0%
ROUGH RICE	1,050	1,313	-20.0%	1,149	-8.6%
SOYBEAN	686,041	702,819	-2.4%	649,064	5.7%
SOYBEAN CRUSH	479	1,065	-55.0%	360	33.1%
SOYBEAN MEAL	131,167	177,708	-26.2%	125,152	4.8%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest SEP 2021	Open Interest SEP 2020	% CHG	Open Interest AUG 2021	% CHG
<b>Ag Products Options</b>					
SOYBEAN OIL	165,059	147,024	12.3%	165,430	-0.2%
SOYBN NEARBY+2 CAL SPRD	6,071	4,845	25.3%	5,521	10.0%
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	0	-
WHEAT	2,122	3,604	-41.1%	1,220	73.9%
WHEAT-CORN IC50	550	2,334	-76.4%	550	0.0%
WHEAT NEARBY+2 CAL SPRD	642	1,370	-53.1%	250	156.8%
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	28,612,036	22,921,288	24.8%	28,390,588	0.8%
Equity Index Futures	4,356,028	4,121,204	5.7%	4,899,233	-11.1%
Metals Futures	1,049,949	1,209,783	-13.2%	1,074,122	-2.3%
Energy Futures	7,761,716	8,037,184	-3.4%	7,727,057	0.4%
FX Futures	1,927,336	1,594,498	20.9%	1,963,124	-1.8%
Foreign Exchange Futures	0	0	-	0	-
Ags Futures	5,699	3,905	45.9%	3,369	69.2%
Ag Products Futures	4,297,991	4,903,559	-12.3%	4,364,996	-1.5%
<b>TOTAL FUTURES</b>	<b>48,010,755</b>	<b>42,791,421</b>	<b>12.2%</b>	<b>48,422,489</b>	<b>-0.9%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	35,849,751	31,882,940	12.4%	41,207,942	-13.0%
Equity Index Options	3,942,885	3,355,880	17.5%	3,941,263	0.0%
Metals Options	966,880	1,286,934	-24.9%	925,864	4.4%
Energy Options	6,370,339	5,747,057	10.8%	6,299,318	1.1%
FX Options	924,000	658,184	40.4%	909,199	1.6%
Foreign Exchange Options	1	9	-88.9%	6	-83.3%
Ag Products Options	3,444,963	3,172,260	8.6%	3,235,415	6.5%
<b>TOTAL OPTIONS</b>	<b>51,498,819</b>	<b>46,103,264</b>	<b>11.7%</b>	<b>56,519,007</b>	<b>-8.9%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	64,461,787	54,804,228	17.6%	69,598,530	-7.4%
Equity Index	8,298,913	7,477,084	11.0%	8,840,496	-6.1%
Metals	2,016,829	2,496,717	-19.2%	1,999,986	0.8%
Energy	14,132,055	13,784,241	2.5%	14,026,375	0.8%
FX	2,851,336	2,252,682	26.6%	2,872,323	-0.7%
Foreign Exchange	1	9	-88.9%	6	-83.3%
Ags	5,699	3,905	45.9%	3,369	69.2%
Ag Products	7,742,954	8,075,819	-4.1%	7,600,411	1.9%
<b>GRAND TOTAL</b>	<b>99,509,574</b>	<b>88,894,685</b>	<b>11.9%</b>	<b>104,941,496</b>	<b>-5.2%</b>

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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