

## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Interest Rate Futures</b>					
10-YR NOTE	4,021,712	4,099,002	-1.9%	3,623,839	11.0%
10-YR SWAP RATE	182,023	106,355	71.1%	158,936	14.5%
15-YR SWAP RATE	10,850	9,850	10.2%	10,850	0.0%
1-MONTH EURODOLLAR	32	216	-85.2%	32	0.0%
20-YR SWAP RATE	90	136	-33.8%	90	0.0%
2-YR NOTE	3,882,175	2,985,888	30.0%	3,580,213	8.4%
2-YR SWAP RATE	40,721	17,423	133.7%	38,545	5.6%
30-YR BOND	1,137,118	963,531	18.0%	1,003,984	13.3%
30-YR SWAP RATE	3,071	1,358	126.1%	2,864	7.2%
3-YR SWAP RATE	12,121	10,453	16.0%	11,957	1.4%
4-YR SWAP RATE	7,074	6,253	13.1%	6,907	2.4%
5-YR NOTE	4,565,744	4,596,284	-0.7%	4,278,343	6.7%
5-YR SWAP RATE	72,164	87,192	-17.2%	64,146	12.5%
7-YR SWAP RATE	18,815	10,858	73.3%	18,803	0.1%
EURODOLLARS	11,629,669	12,439,610	-6.5%	10,940,505	6.3%
FED FUND	2,079,538	2,078,024	0.1%	1,911,620	8.8%
SOFR	396,295	71,405	455.0%	505,768	-21.6%
SONIA	19,393	10,185	90.4%	18,390	5.5%
Ultra 10-Year Note	927,358	686,868	35.0%	923,537	0.4%
ULTRA T-BOND	1,203,771	1,171,245	2.8%	1,247,024	-3.5%
<b>Interest Rate Options</b>					
10-YR NOTE	4,291,998	3,074,673	39.6%	3,116,891	37.7%
2-YR NOTE	220,572	143,668	53.5%	254,609	-13.4%
30-YR BOND	1,172,763	948,400	23.7%	835,054	40.4%
5-YR NOTE	1,792,083	1,775,387	0.9%	1,487,376	20.5%
EURODOLLARS	39,134,349	32,039,507	22.1%	36,266,803	7.9%
EURO MIDCURVE	9,037,527	15,440,575	-41.5%	8,237,474	9.7%
FED FUND	8,051	1,924	318.5%	6,650	21.1%
SOFR	20	0	-	0	-
Ultra 10-Year Note	12,012	60	19,920.0%	7,517	59.8%
ULTRA T-BOND	26,887	54,252	-50.4%	29,241	-8.1%

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<b>Equity Index Futures</b>					
BITCOIN FUTURES	4,609	3,995	15.4%	3,186	44.7%
DJ US REAL ESTATE	39,535	29,974	31.9%	38,696	2.2%
E-mini (\$5) Dow	101,436	82,127	23.5%	107,260	-5.4%
E-MINI COM SERVICES SELECT	9,082	4,877	86.2%	5,881	54.4%
E-mini FTSE 100 (USD)	0	5	-100.0%	0	-
E-mini FTSE China 50	0	160	-100.0%	0	-
E-MINI MIDCAP	77,709	67,067	15.9%	78,012	-0.4%
E-MINI NASDAQ 100	206,705	221,543	-6.7%	217,170	-4.8%
E-MINI RUSSELL 1000	7,483	7,859	-4.8%	7,950	-5.9%
E-MINI RUSSELL 1000 GROWTH	7,220	2,943	145.3%	3,924	84.0%
E-MINI RUSSELL 1000 VALUE	7,374	13,465	-45.2%	7,811	-5.6%
E-MINI RUSSELL 2000	498,795	491,645	1.5%	485,645	2.7%
E-MINI S&P500	2,698,618	2,637,323	2.3%	2,721,051	-0.8%
E-MINI S&P REAL ESTATE SELE	7,663	1,048	631.2%	4,838	58.4%
FT-SE 100	0	0	0.0%	0	-
FTSE Emerging	150	0	0.0%	30	400.0%
IBOVESPA INDEX	95	416	-77.2%	107	-11.2%
MICRO E-MINI NASDAQ 100	37,306	0	-	16,379	127.8%
MICRO E-MINI RUSSELL 2000	9,104	0	-	3,816	138.6%
MICRO E-MINI S&P500	47,344	0	-	25,191	87.9%
MICRO MINI \$5 DOW	6,216	0	-	4,280	45.2%
NASDAQ BIOTECH	281	2	13,950.0%	84	234.5%
Nearby BTIC+	0	0	-	0	-
NIFTY 50	0	0	-	0	-
NIKKEI 225 (\$) STOCK	17,671	25,224	-29.9%	22,472	-21.4%
NIKKEI 225 (YEN) STOCK	53,650	73,197	-26.7%	60,429	-11.2%
S&P 500	282,954	299,006	-5.4%	252,549	12.0%
S&P 500 ANNUAL DIVIDEND IND	91,183	75,539	20.7%	80,536	13.2%
S&P 500/GI	6	10	-40.0%	6	0.0%
S&P 500 QUARLY DIVIDEND IND	999	360	177.5%	998	0.1%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	5,229	4,778	9.4%	4,262	22.7%
S&P CONSUMER STAPLES SECT	13,684	17,201	-20.4%	7,775	76.0%
S&P ENERGY SECTOR	15,147	12,709	19.2%	13,620	11.2%
S&P FINANCIAL SECTOR	30,306	19,479	55.6%	28,682	5.7%
S&P HEALTH CARE SECTOR	18,985	14,386	32.0%	19,183	-1.0%
S&P INDUSTRIAL SECTOR	9,297	13,899	-33.1%	7,552	23.1%
S&P MATERIALS SECTOR	7,289	6,138	18.8%	3,472	109.9%
S&P TECHNOLOGY SECTOR	11,091	9,811	13.0%	8,660	28.1%
S&P UTILITIES SECTOR	12,517	20,501	-38.9%	11,380	10.0%
S&P VALUE INDEX FUTURES	8	12	-33.3%	8	0.0%
YEN DENOMINATED TOPIX	1,588	359	342.3%	349	355.0%

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<b>Equity Index Options</b>					
BITCOIN FUTURES	198	0	-	0	-
E-mini (\$5) Dow	1,837	7,977	-77.0%	1,110	65.5%
E-MINI NASDAQ 100	94,128	78,065	20.6%	48,085	95.8%
E-MINI RUSSELL 2000	11,074	6,290	76.1%	5,261	110.5%
E-MINI S&P500	1,972,084	2,072,274	-4.8%	1,415,138	39.4%
EOM E-MINI RUSSELL 2000 END	1,717	1,537	11.7%	2,301	-25.4%
EOM EMINI S&P	618,346	608,900	1.6%	561,400	10.1%
EOM S&P 500	11,819	23,708	-50.1%	20,375	-42.0%
EOW1 E-MINI RUSSELL 2000 WE	789	195	304.6%	304	159.5%
EOW1 E-MINI RUSSELL 2000 WE	1,039	162	541.4%	315	229.8%
EOW1 EMINI S&P 500	291,596	263,430	10.7%	310,649	-6.1%
EOW1 S&P 500	18,386	47,175	-61.0%	56,874	-67.7%
EOW2 E-MINI RUSSELL 2000 WE	566	243	132.9%	482	17.4%
EOW2 EMINI S&P 500	155,280	143,327	8.3%	100,675	54.2%
EOW2 S&P 500	5,345	23,773	-77.5%	11,256	-52.5%
EOW3 E-MINI RUSSELL 2000 WE	7,855	2,082	277.3%	13,365	-41.2%
EOW3 EMINI S&P 500	587,500	755,480	-22.2%	761,848	-22.9%
EOW3 S&P 500	42,333	58,574	-27.7%	57,424	-26.3%
EOW4 E-MINI RUSSELL 2000 WE	0	26	-100.0%	19	-100.0%
EOW4 EMINI S&P 500	0	65,414	-100.0%	44,898	-100.0%
S&P 500	105,465	82,635	27.6%	58,044	81.7%
	153	0	-	0	-
<b>Metals Futures</b>					
ALUMINUM	64,063	63,797	0.4%	62,635	2.3%
COMEX COPPER	261,486	257,296	1.6%	266,891	-2.0%
COMEX E-Mini GOLD	2,506	463	441.3%	2,670	-6.1%
COMEX E-Mini SILVER	370	231	60.2%	373	-0.8%
COMEX GOLD	678,817	478,787	41.8%	786,422	-13.7%
COMEX MINY COPPER	141	42	235.7%	122	15.6%
COMEX SILVER	229,312	203,570	12.6%	229,725	-0.2%
COPPER	12,266	12,922	-5.1%	11,356	8.0%
FERROUS PRODUCTS	1,810	3,914	-53.8%	1,942	-6.8%
GOLD	220	0	-	348	-36.8%
Gold Kilo	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FU	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURE	4,442	10,292	-56.8%	4,565	-2.7%
LNDN ZINC	0	22	-100.0%	0	-
MICRO GOLD	27,047	10,769	151.2%	25,779	4.9%
NYMEX HOT ROLLED STEEL	17,946	21,063	-14.8%	14,858	20.8%
NYMEX PLATINUM	102,290	81,628	25.3%	99,045	3.3%
PALLADIUM	23,389	27,959	-16.3%	23,658	-1.1%
SILVER	2,930	1,589	84.4%	2,300	27.4%
URANIUM	1,811	4,081	-55.6%	2,410	-24.9%

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<b>Metals Options</b>					
ALUMINUM	150	0	-	0	-
COMEX COPPER	52,053	34,273	51.9%	26,511	96.3%
COMEX GOLD	1,364,329	1,211,521	12.6%	1,259,675	8.3%
COMEX SILVER	143,166	253,274	-43.5%	130,541	9.7%
COPPER	674	12	5,516.7%	22	2,963.6%
GOLD	25,963	10,070	157.8%	27,322	-5.0%
HOT ROLLED COIL STEEL CALL	150	250	-40.0%	150	0.0%
HOT ROLLED COIL STEEL PUT O	150	0	-	150	0.0%
IRON ORE 62 CHINA TSI CALL O	60	240	-75.0%	420	-85.7%
IRON ORE 62 CHINA TSI PUT OP	1,030	60	1,616.7%	235	338.3%
NYMEX PLATINUM	9,905	6,358	55.8%	5,905	67.7%
PALLADIUM	3,636	1,442	152.1%	1,691	115.0%
SILVER	2,163	1,225	76.6%	2,744	-21.2%
<b>Energy Futures</b>					
3.5% FUEL OIL CID MED SWA	10	63	-84.1%	9	11.1%
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	84	114	-26.3%	38	121.1%
AEP-DAYTON HUB MTHLY	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	0	0	-	0	-
ANR OKLAHOMA	0	118	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	13,794	40,959	-66.3%	13,970	-1.3%
ARGUS PROPAN FAR EST INDE	4,834	4,677	3.4%	4,898	-1.3%
ARGUS PROPAN(SAUDI ARAMC	1,864	2,189	-14.8%	2,095	-11.0%
AUSTRIALIAN COKE COAL	0	48	-100.0%	4	-100.0%
BRENT BALMO SWAP	190	0	-	0	-
BRENT CALENDAR SWAP	23,232	23,745	-2.2%	21,475	8.2%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	70	3,658	-98.1%	110	-36.4%
BRENT OIL LAST DAY	250,878	196,080	27.9%	222,092	13.0%
CANADIAN LIGHT SWEET OIL	0	0	-	0	-
CENTERPOINT BASIS SWAP	0	1,776	-100.0%	0	-
CHICAGO ETHANOL SWAP	35,970	52,127	-31.0%	33,386	7.7%
CHICAGO ULSD PL VS HO SPR	2,390	2,972	-19.6%	1,922	24.3%
CHICAGO UNL GAS PL VS RBO	165	235	-29.8%	100	65.0%
CIG BASIS	0	6,106	-100.0%	0	-
CINERGY HUB OFF-PEAK MONT	0	0	-	0	-
CINERGY HUB PEAK MONTH	0	0	-	0	-
CIN HUB 5MW D AH O PK	0	0	-	0	-
CIN HUB 5MW D AH PK	191	2,149	-91.1%	211	-9.5%
CIN HUB 5MW REAL TIME O P	29,960	139,904	-78.6%	32,704	-8.4%
CIN HUB 5MW REAL TIME PK	1,645	16,944	-90.3%	1,799	-8.6%
COAL SWAP	0	40	-100.0%	0	-
COLUMB GULF MAINLINE NG B	364	748	-51.3%	511	-28.8%
CONWAY NATURAL GASOLINE (	1,512	1,185	27.6%	1,478	2.3%
CONWAY NORMAL BUTANE (OPI	1,013	715	41.7%	1,321	-23.3%
CONWAY PROPANE 5 DECIMALS	17,421	22,430	-22.3%	19,501	-10.7%
CRUDE OIL	15,843	25,346	-37.5%	17,376	-8.8%

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<b>Energy Futures</b>					
CRUDE OIL OUTRIGHTS	177,050	145,611	21.6%	159,284	11.2%
CRUDE OIL PHY	2,230,319	2,073,468	7.6%	2,148,268	3.8%
CRUDE OIL SPRDS	128,114	141,386	-9.4%	125,116	2.4%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	104,016	129,881	-19.9%	121,925	-14.7%
DATED TO FRONTLINE BRENT	600	2,990	-79.9%	745	-19.5%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DOMINION TRAN INC - APP I	0	0	-	0	-
DOMINION TRANSMISSION INC	2,556	11,474	-77.7%	2,959	-13.6%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	899	19,760	-95.5%	1,039	-13.5%
DUTCH TTF NATURAL GAS CAL	11,593	574	1,919.7%	8,806	31.6%
EASTERN RAIL DELIVERY CSX	0	0	-	0	-
EAST/WEST FUEL OIL SPREAD	12	42	-71.4%	13	-7.7%
EIA FLAT TAX ONHWAY DIESE	1,600	1,641	-2.5%	1,268	26.2%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	514	1,024	-49.8%	556	-7.6%
ELEC MISO PEAK	0	0	-	0	-
ELEC NYISO OFF-PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	9,344	74,084	-87.4%	18,320	-49.0%
ERCOT HOUSTON Z MCPE 5MW	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OF	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OF	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW PE	0	0	-	0	-
ETHANOL	630	2,310	-72.7%	708	-11.0%
ETHANOL SWAP	833	290	187.2%	750	11.1%
ETHANOL T2 FOB ROTT INCL DU	7,439	5,929	25.5%	7,149	4.1%
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	35	40	-12.5%	0	-
EURO 3.5% FUEL OIL SPREAD	21	20	5.0%	26	-19.2%
EURO-DENOMINATED PETRO P	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	95	60	58.3%	20	375.0%
EUROPE 1% FUEL OIL NWE CA	7	262	-97.3%	141	-95.0%
EUROPE 1% FUEL OIL RDAM C	0	3	-100.0%	1	-100.0%
EUROPE 3.5% FUEL OIL MED	45	160	-71.9%	52	-13.5%
EUROPE 3.5% FUEL OIL RDAM	2,797	7,937	-64.8%	3,431	-18.5%
EUROPEAN GASOIL (ICE)	214	107	100.0%	122	75.4%
EUROPEAN NAPHTHA BALMO	0	265	-100.0%	15	-100.0%
EUROPEAN NAPHTHA CRACK SP	6,052	13,984	-56.7%	6,052	0.0%
EUROPE DATED BRENT SWAP	0	3,550	-100.0%	0	-
EUROPE JET KERO NWE CALSW	0	24	-100.0%	3	-100.0%
EUROPE NAPHTHA CALSWAP	1,222	2,967	-58.8%	1,401	-12.8%
EURO PROPANE CIF ARA SWA	2,431	2,102	15.7%	2,365	2.8%
FREIGHT MARKETS	2,615	4,495	-41.8%	2,337	11.9%
FUEL OIL CRACK VS ICE	6,064	7,765	-21.9%	6,738	-10.0%
FUEL OIL NWE CRACK VS ICE	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	0	0	-	1	-100.0%
FUEL OIL (PLATS) CAR CN	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	393	802	-51.0%	451	-12.9%

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GAS EURO-BOB OXY NWE BARG	2,782	7,007	-60.3%	2,627	5.9%
GAS EURO-BOB OXY NWE BARG	14,843	28,885	-48.6%	16,671	-11.0%
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	0	0	-	2	-100.0%
GASOIL 0.1 ROTTERDAM BARG	36	26	38.5%	26	38.5%
GASOIL 10PPM VS ICE SWAP	0	21	-100.0%	1	-100.0%
GASOIL CALENDAR SWAP	87	6	1,350.0%	77	13.0%
GASOIL CRACK SPREAD CALEN	10,041	14,037	-28.5%	11,927	-15.8%
GASOIL MINI CALENDAR SWAP	1,921	1,246	54.2%	2,134	-10.0%
GERMAN POWER BASELOAD CA	2,085	345	504.3%	2,227	-6.4%
GROUP THREE ULSD (PLATTS)	0	49	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	150	75	100.0%	200	-25.0%
GRP THREE ULSD(PLT)VS HEA	7,213	7,769	-7.2%	5,252	37.3%
GRP THREE UNL GS (PLT) VS	4,960	6,038	-17.9%	4,496	10.3%
GULF COAST 3% FUEL OIL BA	707	1,489	-52.5%	363	94.8%
GULF COAST JET FUEL CLNDR	354	957	-63.0%	184	92.4%
GULF COAST JET VS NYM 2 H	24,100	25,715	-6.3%	18,547	29.9%
GULF COAST NO.6 FUEL OIL	18,306	34,814	-47.4%	19,190	-4.6%
GULF COAST ULSD CALENDAR	1,463	1,638	-10.7%	1,188	23.1%
GULF COAST ULSD CRACK SPR	600	585	2.6%	625	-4.0%
HEATING OIL BALMO CLNDR S	50	0	-	40	25.0%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	404,077	369,626	9.3%	438,793	-7.9%
HENRY HUB BASIS SWAP	0	10,058	-100.0%	0	-
HENRY HUB FINANCIAL LAST	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	1,712	10,120	-83.1%	4,960	-65.5%
HENRY HUB SWAP	757,610	1,046,422	-27.6%	776,889	-2.5%
HOUSTON SHIP CHANNEL BASI	5,576	10,797	-48.4%	5,855	-4.8%
HTG OIL	100	154	-35.1%	110	-9.1%
ICE BRENT DUBAI SWAP	40,337	34,045	18.5%	44,348	-9.0%
IN DELIVERY MONTH EUA	0	0	-	0	-
INDIANA MISO	1,107	3,941	-71.9%	3,638	-69.6%
INDONESIAN COAL ICI4	440	175	151.4%	531	-17.1%
ISO NEW ENGLAND OFF-PEAK	0	0	-	0	-
ISO NEW ENGLAND PK LMP	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	0	121	-100.0%	27	-100.0%
JAPAN C&F NAPHTHA SWAP	503	1,878	-73.2%	649	-22.5%
JAPAN NAPHTHA BALMO SWAP	28	124	-77.4%	28	0.0%
JET AV FUEL (P) CAR FM ICE GA	0	0	-	0	-
JET CIF NWE VS ICE	60	419	-85.7%	82	-26.8%
JET FUEL CRG CIF NEW VS I	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	2,925	4,294	-31.9%	2,146	36.3%
JKM LNG Futures	5,093	3,970	28.3%	5,383	-5.4%
LA CARB DIESEL (OPIS) SWA	235	219	7.3%	1	23,400.0%
LA CARBOB GASOLINE(OPIS)S	300	1,025	-70.7%	100	200.0%
LA JET (OPIS) SWAP	2,377	1,999	18.9%	1,641	44.9%
LLS (ARGUS) CALENDAR SWAP	266	500	-46.8%	284	-6.3%
LLS (ARGUS) VS WTI SWAP	8,362	28,536	-70.7%	10,564	-20.8%
LOS ANGELES CARB GASOLINE	0	0	-	0	-
LTD NAT GAS	286,716	437,763	-34.5%	294,699	-2.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>					
MARS (ARGUS) VS WTI SWAP	4,025	5,085	-20.8%	2,310	74.2%
MARS (ARGUS) VS WTI TRD M	18,898	34,143	-44.7%	17,795	6.2%
MARS BLEND CRUDE OIL	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	21,492	20,484	4.9%	20,953	2.6%
MCCLOSKEY RCH BAY COAL	2,196	2,399	-8.5%	1,916	14.6%
MGF FUT	0	40	-100.0%	0	-
MGN1 SWAP FUT	220	345	-36.2%	220	0.0%
MICHIGAN BASIS	1,096	1,973	-44.5%	1,220	-10.2%
MICHIGAN MISO	0	0	-	0	-
MINI GAS EUROBOB OXY NWE A	0	452	-100.0%	90	-100.0%
MINI RBOB V. EBOBARG NWE BF	0	876	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NW	1,603	2,403	-33.3%	1,545	3.8%
MINY HTG OIL	2	0	-	0	-
MINY NATURAL GAS	6,139	2,384	157.5%	5,155	19.1%
MINY RBOB GAS	0	0	0.0%	0	-
MINY WTI CRUDE OIL	5,247	5,109	2.7%	4,024	30.4%
MJC FUT	60	290	-79.3%	60	0.0%
MNC FUT	2,371	4,925	-51.9%	2,214	7.1%
MONT BELVIEU ETHANE 5 DECI	42,372	41,247	2.7%	41,638	1.8%
MONT BELVIEU ETHANE OPIS B	90	470	-80.9%	347	-74.1%
MONT BELVIEU LDH PROPANE 5	135,940	116,059	17.1%	128,609	5.7%
MONT BELVIEU LDH PROPANE C	3,413	4,119	-17.1%	924	269.4%
MONT BELVIEU NATURAL GASO	19,205	18,562	3.5%	19,577	-1.9%
MONT BELVIEU NATURAL GASO	141	1,201	-88.3%	625	-77.4%
MONT BELVIEU NORMAL BUTAN	54,827	40,236	36.3%	52,366	4.7%
MONT BELVIEU NORMAL BUTAN	1,478	1,541	-4.1%	1,212	21.9%
NAT GAS BASIS SWAP	0	2,338	-100.0%	0	-
NATURAL GAS	92,828	110,429	-15.9%	85,205	8.9%
NATURAL GAS PEN SWP	121,157	143,446	-15.5%	120,039	0.9%
NATURAL GAS PHY	1,512,798	1,365,098	10.8%	1,291,147	17.2%
NEPOOL CNCTCT 5MW D AH O	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	303,608	437,420	-30.6%	317,468	-4.4%
NEPOOL NE MASS 5MW D AH O	0	14,040	-100.0%	1,224	-100.0%
NEPOOL NE MASS 5MW D AH P	0	765	-100.0%	63	-100.0%
NEPOOL RHD ISLD 5MW D AH	0	0	-	0	-
NEPOOL RHODE IL 5MW D AH	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	0	0	-	0	-
NEPOOL W CNTR M 5MW D AH	0	0	-	0	-
NEW ENGLAND HUB PEAK DAIL	1,085	1,164	-6.8%	1,199	-9.5%
NEW YORK ETHANOL SWAP	2,348	895	162.3%	2,215	6.0%
NEW YORK HUB ZONE G PEAK	2,511	1,302	92.9%	2,189	14.7%
NEW YORK HUB ZONE J PEAK	248	1,085	-77.1%	561	-55.8%
NGPL MID-CONTINENT	1,720	14,513	-88.1%	2,340	-26.5%
NGPL TEX/OK	1,320	25,610	-94.8%	1,940	-32.0%
N ILLINOIS HUB DAILY	10	108	-90.7%	68	-85.3%
N ILLINOIS HUB MTHLY	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	175	100	75.0%	0	-
NORTHEN NATURAL GAS DEMA	0	428	-100.0%	0	-
NORTHEN NATURAL GAS VENTL	0	1,324	-100.0%	0	-
NORTHWEST ROCKIES BASIS S	790	15,246	-94.8%	914	-13.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>					
N ROCKIES PIPE SWAP	0	28	-100.0%	0	-
NY1% VS GC SPREAD SWAP	1,120	2,885	-61.2%	1,305	-14.2%
NY 3.0% FUEL OIL (PLATTS	0	285	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	9,893	9,296	6.4%	7,631	29.6%
NY HARBOR LOW SULPUR GAS	840	915	-8.2%	840	0.0%
NY HARBOR RESIDUAL FUEL 1	2,512	1,933	30.0%	2,358	6.5%
NY HARBOR RESIDUAL FUEL C	0	50	-100.0%	0	-
NYH NO 2 CRACK SPREAD CAL	2,390	3,627	-34.1%	3,545	-32.6%
NYISO CAPACITY	278	1,456	-80.9%	308	-9.7%
NYISO J	0	0	-	0	-
NYISO J OFF-PEAK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	7,808	27,291	-71.4%	8,560	-8.8%
NYISO ZONE A 5MW D AH PK	0	3,115	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	267,573	497,723	-46.2%	319,085	-16.1%
NYISO ZONE G 5MW D AH PK	16,795	19,403	-13.4%	18,415	-8.8%
NYISO ZONE J 5MW D AH O P	11,712	132,096	-91.1%	12,840	-8.8%
NYISO ZONE J 5MW D AH PK	1,720	10,581	-83.7%	1,880	-8.5%
NYMEX ALUMINUM FUTURES	0	775	-100.0%	132	-100.0%
NYMEX ULSD VS NYMEX HO	0	0	-	550	-100.0%
NY ULSD (ARGUS) VS HEATING	1,431	385	271.7%	1,363	5.0%
ONEOK OKLAHOMA NG BASIS	0	0	-	0	-
ONTARIO POWER SWAPS	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	1,249	4,536	-72.5%	1,311	-4.7%
PANHANDLE PIPE SWAP	0	0	-	0	-
PERMIAN BASIS SWAP	3,015	4,626	-34.8%	3,294	-8.5%
PETROCHEMICALS	11,908	9,675	23.1%	11,422	4.3%
PETRO CRCKS & SPRDS ASIA	340	810	-58.0%	456	-25.4%
PETRO CRCKS & SPRDS NA	56,059	72,403	-22.6%	64,188	-12.7%
PETRO CRK&SPRD EURO	7,695	15,222	-49.4%	8,140	-5.5%
PETROLEUM PRODUCTS	11,040	8,252	33.8%	9,834	12.3%
PETROLEUM PRODUCTS ASIA	693	2,122	-67.3%	545	27.2%
PETRO OUTRIGHT EURO	13,183	9,864	33.6%	13,248	-0.5%
PETRO OUTRIGHT NA	5,180	6,150	-15.8%	4,643	11.6%
PJM AD HUB 5MW REAL TIME	123,345	236,424	-47.8%	130,149	-5.2%
PJM ATSI ELEC	0	0	-	0	-
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	256	972	-73.7%	960	-73.3%
PJM DAYTON DA OFF-PEAK	39,040	66,400	-41.2%	42,800	-8.8%
PJM DAYTON DA PEAK	2,150	4,700	-54.3%	2,350	-8.5%
PJM MONTHLY	0	480	-100.0%	40	-100.0%
PJM NI HUB 5MW REAL TIME	71,775	91,054	-21.2%	73,845	-2.8%
PJM NILL DA OFF-PEAK	0	133,824	-100.0%	0	-
PJM NILL DA PEAK	0	8,307	-100.0%	0	-
PJM OFF-PEAK LMP SWAP FUT	0	0	-	0	-
PJM PECO ZONE5MW PEAK CAL	0	2,960	-100.0%	420	-100.0%
PJM PSEG DA OFF-PEAK	0	88,335	-100.0%	10,200	-100.0%
PJM PSEG DA PEAK	0	4,235	-100.0%	525	-100.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>					
PJM WESTH DA OFF-PEAK	31,468	174,316	-81.9%	39,740	-20.8%
PJM WESTHDA PEAK	1,710	9,450	-81.9%	2,150	-20.5%
PJM WESTH RT OFF-PEAK	433,779	890,596	-51.3%	451,419	-3.9%
PJM WESTH RT PEAK	63,190	127,344	-50.4%	60,164	5.0%
PLASTICS	3,723	3,110	19.7%	3,617	2.9%
PREMIUM UNLD 10P FOB MED	42	773	-94.6%	46	-8.7%
PREMIUM UNLEAD 10PPM FOB	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	0	20	-100.0%	0	-
PREM UNL GAS 10PPM RDAM F	0	45	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) B	2,626	2,283	15.0%	855	207.1%
PROPANE NON-LDH MT. BEL (OF	62,601	56,525	10.7%	62,395	0.3%
RBOB CALENDAR SWAP	11,123	12,836	-13.3%	12,310	-9.6%
RBOB CRACK SPREAD	4,080	4,301	-5.1%	5,678	-28.1%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	70	80	-12.5%	77	-9.1%
RBOB GASOLINE BALMO CLNDR	0	660	-100.0%	693	-100.0%
RBOB PHY	376,903	413,538	-8.9%	382,208	-1.4%
RBOB SPREAD (PLATTS) SWAP	0	0	-	0	-
RBOB VS HEATING OIL SWAP	75	0	-	75	0.0%
SAN JUAN BASIS SWAP	428	7,526	-94.3%	428	0.0%
SAN JUAN PIPE SWAP	0	144	-100.0%	0	-
SINGAPORE 180CST BALMO	37	10	270.0%	0	-
SINGAPORE 380CST BALMO	6	20	-70.0%	5	20.0%
SINGAPORE 380CST FUEL OIL	1,694	7,496	-77.4%	2,264	-25.2%
SINGAPORE FUEL 180CST CAL	106	444	-76.1%	153	-30.7%
SINGAPORE FUEL OIL SPREAD	160	391	-59.1%	155	3.2%
SINGAPORE GASOIL	1,658	12,253	-86.5%	3,742	-55.7%
SINGAPORE GASOIL CALENDAR	1,974	314	528.7%	1,197	64.9%
SINGAPORE GASOIL SWAP	1,922	4,557	-57.8%	1,943	-1.1%
SINGAPORE GASOIL VS ICE	5,916	28,358	-79.1%	6,438	-8.1%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	0	7,955	-100.0%	450	-100.0%
SINGAPORE JET KEROSENE SW	2,156	2,515	-14.3%	1,996	8.0%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	0	100	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	9,143	12,628	-27.6%	8,468	8.0%
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SING FUEL	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	0	0	-	0	-
Sumas Basis Swap	300	2,326	-87.1%	455	-34.1%
TC2 ROTTERDAM TO USAC 37K	225	230	-2.2%	225	0.0%
TC5 RAS TANURA TO YOKOHAM	1,360	1,080	25.9%	1,385	-1.8%
TCO BASIS SWAP	1,096	4,622	-76.3%	1,220	-10.2%
TD3 MEG TO JAPAN 250K MT	10,152	10,386	-2.3%	9,122	11.3%
TENNESSEE ZONE 0 BASIS SW	0	0	-	0	-
Tetco STX Basis	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	790	2,054	-61.5%	914	-13.6%
TEXAS GAS ZONE1 NG BASIS	0	0	-	0	-
Transco Zone 3 Basis	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	1,407	3,032	-53.6%	1,539	-8.6%
TRANSCO ZONE 6 BASIS SWAP	0	118	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
UCM FUT	0	20	-100.0%	0	-
UK NBP NAT GAS CAL MTH FUT	571	115	396.5%	566	0.9%
ULSD 10PPM CIF MED VS ICE	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	11,035	7,640	44.4%	9,100	21.3%
UP DOWN GC ULSD VS NMX HO	44,634	43,000	3.8%	45,534	-2.0%
WAHA BASIS	618	2,338	-73.6%	685	-9.8%
WESTERN RAIL DELIVERY PRB	0	0	-	0	-
WTI-BRENT BULLET SWAP	453	5,229	-91.3%	470	-3.6%
WTI-BRENT CALENDAR SWAP	166,982	134,649	24.0%	173,688	-3.9%
WTI CALENDAR	178,427	159,132	12.1%	187,390	-4.8%
WTS (ARGUS) VS WTI SWAP	80,961	54,365	48.9%	68,238	18.6%
WTS (ARGUS) VS WTI TRD MT	3,383	5,528	-38.8%	3,437	-1.6%
<b>Energy Options</b>					
BRENT 1 MONTH CAL	0	0	-	0	-
BRENT CALENDAR SWAP	7,437	6,985	6.5%	9,146	-18.7%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	300	33,000	-99.1%	500	-40.0%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	108,762	236,334	-54.0%	98,330	10.6%
COAL API2 INDEX	0	420	-100.0%	0	-
COAL API4 INDEX	0	0	-	0	-
COAL SWAP	0	0	-	0	-
CRUDE OIL	0	0	-	0	0.0%
CRUDE OIL 1MO	380,450	562,250	-32.3%	310,050	22.7%
CRUDE OIL APO	389,404	292,607	33.1%	391,793	-0.6%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	955	-100.0%	0	-
CRUDE OIL PHY	2,140,036	2,796,204	-23.5%	1,789,278	19.6%
ETHANOL	0	0	-	0	-
ETHANOL SWAP	8,254	11,657	-29.2%	9,760	-15.4%
FREIGHT MARKETS	0	0	-	0	0.0%
HEATING OIL PHY	31,887	61,404	-48.1%	22,252	43.3%
HENRY HUB FINANCIAL LAST	20,076	8,503	136.1%	11,381	76.4%
HO 1 MONTH CLNDR OPTIONS	300	1,550	-80.6%	350	-14.3%
LLS CRUDE OIL	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	375	130	188.5%	375	0.0%
MCCLOSKEY RCH BAY COAL	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	291,159	99,839	191.6%	271,909	7.1%
NATURAL GAS 2 M CSO FIN	1,500	0	-	0	-
NATURAL GAS 3 M CSO FIN	40,800	0	-	23,250	75.5%
NATURAL GAS 5 M CSO FIN	900	0	-	3,900	-76.9%
NATURAL GAS 6 M CSO FIN	69,550	19,125	263.7%	60,000	15.9%
NATURAL GAS OPTION ON CALE	9,804	4,284	128.9%	9,224	6.3%
NATURAL GAS PHY	2,157,526	1,958,261	10.2%	1,908,829	13.0%
NATURAL GAS WINTER STRIP	600	0	-	0	-
N ROCKIES PIPE SWAP	1,682	1,610	4.5%	3,356	-49.9%
NY HARBOR HEAT OIL SWP	13,073	15,838	-17.5%	7,401	76.6%
NYISO ZONE G 5MW PEAK OPTI	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Options</b>					
PANHANDLE PIPE SWAP	0	0	-	0	-
PETROCHEMICALS	745	4,796	-84.5%	1,692	-56.0%
PETRO OUTRIGHT EURO	24	24	0.0%	24	0.0%
PETRO OUTRIGHT NA	760	792	-4.0%	646	17.6%
PJM WES HUB PEAK CAL MTH	1,300	660	97.0%	1,040	25.0%
PJM WES HUB PEAK LMP 50MW	512	1,507	-66.0%	512	0.0%
RBOB 1MO CAL SPD OPTIONS	0	100	-100.0%	0	-
RBOB CALENDAR SWAP	205	210	-2.4%	255	-19.6%
RBOB CRACK	0	2	-100.0%	0	-
RBOB PHY	7,238	9,637	-24.9%	6,057	19.5%
ROTTERDAM 3.5%FUEL OIL CL	0	0	-	0	-
SAN JUAN PIPE SWAP	1,276	1,088	17.3%	2,640	-51.7%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	500	-100.0%	0	0.0%
SINGAPORE GASOIL CALENDAR	0	0	-	0	-
SINGAPORE JET FUEL CALEND	0	0	-	0	-
WTI-BRENT BULLET SWAP	120,125	131,720	-8.8%	115,875	3.7%
WTI CRUDE OIL 1 M CSO FI	156,010	154,300	1.1%	96,500	61.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>FX Futures</b>					
AD/CD CROSS RATES	8	4	100.0%	8	0.0%
AD/JY CROSS RATES	403	698	-42.3%	450	-10.4%
AD/NE CROSS RATES	202	18	1,022.2%	88	129.5%
AUSTRALIAN DOLLAR	164,339	127,860	28.5%	164,308	0.0%
BP/JY CROSS RATES	1,094	358	205.6%	1,050	4.2%
BP/SF CROSS RATES	27	77	-64.9%	33	-18.2%
BRAZIL REAL	51,018	14,369	255.1%	54,151	-5.8%
BRITISH POUND	210,070	197,781	6.2%	206,834	1.6%
CANADIAN DOLLAR	183,047	148,656	23.1%	175,666	4.2%
CD/JY CROSS RATES	80	2	3,900.0%	84	-4.8%
CHINESE RENMINBI (CNH)	1,935	2,039	-5.1%	1,544	25.3%
CZECK KORUNA (EC)	6	4	50.0%	6	0.0%
CZECK KORUNA (US)	0	0	-	0	-
EC/AD CROSS RATES	1,242	1,634	-24.0%	1,284	-3.3%
EC/CD CROSS RATES	2,624	2,232	17.6%	2,588	1.4%
EC/NOK CROSS RATES	159	99	60.6%	130	22.3%
EC/SEK CROSS RATES	860	704	22.2%	652	31.9%
EFX/BP CROSS RATES	23,630	29,675	-20.4%	23,497	0.6%
EFX/JY CROSS RATES	24,532	27,199	-9.8%	22,847	7.4%
EFX/SF CROSS RATES	12,994	7,966	63.1%	9,816	32.4%
E-MINI EURO FX	16,564	15,180	9.1%	15,769	5.0%
E-MINI JAPANESE YEN	440	915	-51.9%	471	-6.6%
EURO FX	592,601	531,377	11.5%	557,808	6.2%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	20	0	-	18	11.1%
INDIAN RUPEE	2,002	1,504	33.1%	1,771	13.0%
JAPANESE YEN	188,470	199,438	-5.5%	175,139	7.6%
KOREAN WON	825	169	388.2%	779	5.9%
MEXICAN PESO	295,966	214,464	38.0%	277,946	6.5%
MICRO AUD/USD	5,913	2,902	103.8%	5,215	13.4%
MICRO CAD/USD	2,640	2,057	28.3%	2,198	20.1%
MICRO CHF/USD	542	213	154.5%	435	24.6%
MICRO EUR/USD	10,979	9,408	16.7%	7,681	42.9%
MICRO GBP/USD	3,211	1,700	88.9%	2,376	35.1%
MICRO INR/USD	211	330	-36.1%	217	-2.8%
MICRO JPY/USD	1,487	1,354	9.8%	902	64.9%
NEW ZEALND DOLLAR	43,402	33,454	29.7%	48,744	-11.0%
NKR/USD CROSS RATE	2,206	1,413	56.1%	2,275	-3.0%
POLISH ZLOTY (EC)	0	22	-100.0%	0	-
POLISH ZLOTY (US)	88	59	49.2%	66	33.3%
RMB USD	1	1	0.0%	1	0.0%
RUSSIAN RUBLE	51,638	34,601	49.2%	56,763	-9.0%
S.AFRICAN RAND	16,009	23,741	-32.6%	18,513	-13.5%
SF/JY CROSS RATES	30	5	500.0%	14	114.3%
SHEKEL	41	0	-	20	105.0%
SKR/USD CROSS RATES	1,366	1,228	11.2%	1,731	-21.1%
SWISS FRANC	51,037	66,289	-23.0%	55,515	-8.1%
TURKISH LIRA	1,390	1,135	22.5%	1,504	-7.6%
USDZAR	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>FX Options</b>					
AUD/USD MONTHLY OPTIONS	65,354	64,466	1.4%	54,712	19.5%
AUD/USD WKLY FRIDAY OPTION	0	3,430	-100.0%	0	-
AUD/USD WKLY FRIDAY OPTION	1,533	0	-	6,179	-75.2%
AUD/USD WKLY FRIDAY OPTION	1,283	2,160	-40.6%	2,371	-45.9%
AUD/USD WKLY FRIDAY OPTION	1,543	497	210.5%	607	154.2%
AUD/USD WKLY FRIDAY OPTION	0	0	-	61	-100.0%
AUD/USD WKLY WED OPTIONS -	1,172	768	52.6%	0	0.0%
AUD/USD WKLY WED OPTIONS -	207	91	127.5%	1,178	-82.4%
AUD/USD WKLY WED OPTIONS -	299	114	162.3%	4	7,375.0%
AUD/USD WKLY WED OPTIONS -	92	0	-	0	-
AUD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
BRITISH POUND (EU)	0	0	-	0	-
BRL/USD MONTHLY OPTIONS	10	0	-	0	-
CAD/USD MONTHLY OPTIONS	52,230	60,061	-13.0%	52,342	-0.2%
CAD/USD WKLY FRIDAY OPTION	0	5,137	-100.0%	0	-
CAD/USD WKLY FRIDAY OPTION	1,714	0	-	5,088	-66.3%
CAD/USD WKLY FRIDAY OPTION	1,469	1,683	-12.7%	1,681	-12.6%
CAD/USD WKLY FRIDAY OPTION	1,220	199	513.1%	930	31.2%
CAD/USD WKLY FRIDAY OPTION	0	0	-	684	-100.0%
CAD/USD WKLY WED OPTIONS -	1,555	1,580	-1.6%	0	0.0%
CAD/USD WKLY WED OPTIONS -	413	684	-39.6%	2,001	-79.4%
CAD/USD WKLY WED OPTIONS -	1,234	713	73.1%	362	240.9%
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CAD/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
CANADIAN DOLLAR (EU)	0	0	-	0	-
CHF/USD MONTHLY OPTIONS	12,093	2,177	455.5%	8,437	43.3%
CHF/USD WKLY FRIDAY OPTION	0	5	-100.0%	0	-
CHF/USD WKLY FRIDAY OPTION	1	0	-	4	-75.0%
CHF/USD WKLY FRIDAY OPTION	2	0	-	1	100.0%
CHF/USD WKLY FRIDAY OPTION	101	40	152.5%	23	339.1%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-
EUR/GBP MONTHLY OPTIONS	0	30	-100.0%	0	-
EUR/JPY MONTHLY OPTIONS	0	0	-	0	-
EURO FX (EU)	0	0	-	0	-
EUR/USD MONTHLY OPTIONS	214,907	210,496	2.1%	178,119	20.7%
EUR/USD WKLY FRIDAY OPTION	0	16,608	-100.0%	0	-
EUR/USD WKLY FRIDAY OPTION	4,723	0	-	7,812	-39.5%
EUR/USD WKLY FRIDAY OPTION	2,746	3,339	-17.8%	2,473	11.0%
EUR/USD WKLY FRIDAY OPTION	3,452	2,187	57.8%	2,131	62.0%
EUR/USD WKLY FRIDAY OPTION	0	0	-	123	-100.0%
EUR/USD WKLY WED OPTIONS -	4,970	2,900	71.4%	0	0.0%
EUR/USD WKLY WED OPTIONS -	1,262	3,105	-59.4%	2,569	-50.9%
EUR/USD WKLY WED OPTIONS -	764	594	28.6%	1,030	-25.8%
EUR/USD WKLY WED OPTIONS -	344	0	-	1,031	-66.6%
EUR/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
GBP/USD MONTHLY OPTIONS	94,350	151,916	-37.9%	103,327	-8.7%
GBP/USD WKLY FRIDAY OPTION	0	8,718	-100.0%	0	-
GBP/USD WKLY FRIDAY OPTION	979	0	-	2,139	-54.2%
GBP/USD WKLY FRIDAY OPTION	1,043	2,130	-51.0%	1,699	-38.6%
GBP/USD WKLY FRIDAY OPTION	604	941	-35.8%	698	-13.5%
GBP/USD WKLY FRIDAY OPTION	0	0	-	25	-100.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>FX Options</b>					
GBP/USD WKLY WED OPTIONS -	3,032	2,664	13.8%	0	0.0%
GBP/USD WKLY WED OPTIONS -	234	895	-73.9%	329	-28.9%
GBP/USD WKLY WED OPTIONS -	0	0	-	533	-100.0%
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
GBP/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
JAPANESE YEN (EU)	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	103,401	91,897	12.5%	88,799	16.4%
JPY/USD WKLY FRIDAY OPTION	0	9,643	-100.0%	0	-
JPY/USD WKLY FRIDAY OPTION	3,157	0	-	6,010	-47.5%
JPY/USD WKLY FRIDAY OPTION	1,234	2,057	-40.0%	1,911	-35.4%
JPY/USD WKLY FRIDAY OPTION	1,291	1,836	-29.7%	1,265	2.1%
JPY/USD WKLY FRIDAY OPTION	0	0	-	89	-100.0%
JPY/USD WKLY WED OPTIONS -	4,687	1,285	264.7%	0	0.0%
JPY/USD WKLY WED OPTIONS -	808	359	125.1%	2,339	-65.5%
JPY/USD WKLY WED OPTIONS -	484	242	100.0%	211	129.4%
JPY/USD WKLY WED OPTIONS -	234	0	-	41	470.7%
JPY/USD WKLY WED OPTIONS -	0	0	0.0%	0	-
MXN/USD MONTHLY OPTIONS	1,112	2,595	-57.1%	1,067	4.2%
MXN/USD WKLY FRIDAY OPTION	0	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	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	1,780	1,195	49.0%	1,433	24.2%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	1	-100.0%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	0	0	-	0	-
<b>Foreign Exchange Options</b>					
AUD/USD WKLY WED OPTIONS -	207	39	430.8%	146	41.8%
<b>Ags Futures</b>					
FERTILIZER PRODUCS	4,335	2,340	85.3%	3,260	33.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Ag Products Futures</b>					
BUTTER CS	11,811	7,598	55.4%	10,203	15.8%
CASH-SETTLED CHEESE	18,394	22,476	-18.2%	19,797	-7.1%
CATTLE	354,091	387,665	-8.7%	378,965	-6.6%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	515,958	470,284	9.7%	411,204	25.5%
CLASS IV MILK	8,846	6,888	28.4%	8,213	7.7%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,546,203	1,703,938	-9.3%	1,473,252	5.0%
COTTON	0	0	-	1	-100.0%
DJ_UBS ROLL SELECT INDEX FU	1,334	1,867	-28.5%	1,334	0.0%
DOW-UBS COMMOD INDEX	18,796	28,485	-34.0%	15,326	22.6%
DRY WHEY	2,080	3,307	-37.1%	2,272	-8.5%
FEEDER CATTLE	55,177	50,786	8.6%	49,684	11.1%
FERTILIZER PRODUCTS	1,115	3,290	-66.1%	1,000	11.5%
GOLDMAN SACHS	8,964	15,134	-40.8%	9,447	-5.1%
GSCI EXCESS RETURN FUT	33,466	58,606	-42.9%	32,650	2.5%
HDD EURO SEASONAL STRIP	250	0	-	250	0.0%
HDD SEASONAL STRIP	0	50	-100.0%	0	-
HDD WEATHER	6,425	1,250	414.0%	10,895	-41.0%
HDD WEATHER EUROPEAN	1,250	2,000	-37.5%	2,250	-44.4%
HOGS	291,742	217,848	33.9%	282,389	3.3%
HOUSING INDEX	61	39	56.4%	54	13.0%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	304,358	298,190	2.1%	265,274	14.7%
LUMBER	3,447	3,390	1.7%	3,275	5.3%
MALAYSIAN PALM SWAP	28,130	18,184	54.7%	29,670	-5.2%
MILK	18,958	25,341	-25.2%	20,375	-7.0%
MINI CORN	9,344	9,478	-1.4%	8,850	5.6%
MINI SOYBEAN	10,348	13,042	-20.7%	8,299	24.7%
MINI WHEAT	2,150	2,231	-3.6%	1,508	42.6%
MLK MID OPTIONS	0	0	0.0%	0	-
NFD MILK	8,954	8,062	11.1%	8,631	3.7%
OATS	5,422	5,813	-6.7%	4,720	14.9%
ROUGH RICE	12,833	7,187	78.6%	10,767	19.2%
SOYBEAN	838,696	701,446	19.6%	713,572	17.5%
SOYBEAN MEAL	496,364	464,893	6.8%	429,168	15.7%
SOYBEAN OIL	534,126	507,255	5.3%	500,970	6.6%
S&P GSCI ENHANCED ER SWAP	3,762	3,762	0.0%	3,851	-2.3%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	6,380	4,360	46.3%	5,199	22.7%
WHEAT	22,943	19,415	18.2%	18,739	22.4%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Ag Products Options</b>					
BUTTER CS	8,087	11,885	-32.0%	6,990	15.7%
CASH-SETTLED CHEESE	25,628	33,609	-23.7%	27,220	-5.8%
CATTLE	190,276	179,886	5.8%	156,623	21.5%
CAT WEATHER EUROPEAN	0	0	-	0	-
CDD SEASONAL STRIP	1,000	0	-	0	-
CHI WHEAT	384,475	385,793	-0.3%	321,108	19.7%
CLASS IV MILK	11,574	9,165	26.3%	10,073	14.9%
CORN	999,041	1,112,761	-10.2%	883,813	13.0%
CORN NEARBY+2 CAL SPRD	6,200	9,490	-34.7%	1,900	226.3%
DEC-DEC CORN CAL SPRD	0	520	-100.0%	0	-
DEC-JULY CORN CAL SPRD	0	1,700	-100.0%	0	-
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
DRY WHEY	1,327	2,125	-37.6%	1,733	-23.4%
FEEDER CATTLE	21,158	34,616	-38.9%	22,717	-6.9%
HDD EURO SEASONAL STRIP	0	500	-100.0%	0	-
HDD SEASONAL STRIP	0	9,000	-100.0%	0	-
HDD WEATHER	0	0	-	0	-
HOGS	355,857	229,816	54.8%	327,025	8.8%
HOUSING INDEX	7	0	-	7	0.0%
Intercommodity Spread	12,512	0	-	12,074	3.6%
JULY-DEC CORN CAL SPRD	25,151	1,645	1,428.9%	21,506	16.9%
JULY-DEC SOYMEAL CAL SPRD	0	1,200	-100.0%	0	-
JULY-DEC WHEAT CAL SPRD	1,550	800	93.8%	750	106.7%
JULY-JULY WHEAT CAL SPRD	50	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	9,256	5,331	73.6%	8,341	11.0%
KC WHEAT	88,922	90,174	-1.4%	63,895	39.2%
LUMBER	921	2,293	-59.8%	548	68.1%
LV CATL CSO	60	353	-83.0%	60	0.0%
MAR-DEC CORN CAL SPRD	584	0	-	384	52.1%
MAR-JULY CORN CAL SPRD	3,100	0	-	4,000	-22.5%
MAR-JULY WHEAT CAL SPRD	0	1,730	-100.0%	0	-
MILK	60,732	71,830	-15.5%	64,090	-5.2%
MLK MID OPTIONS	20	177	-88.7%	37	-45.9%
NFD MILK	14,550	21,029	-30.8%	11,787	23.4%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-
NOV-NOV SOYBEAN CAL SPRD	0	100	-100.0%	0	-
OATS	866	1,380	-37.2%	37	2,240.5%
ROUGH RICE	3,361	2,747	22.4%	537	525.9%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	587,899	557,381	5.5%	440,572	33.4%
SOYBEAN CRUSH	830	20	4,050.0%	245	238.8%
SOYBEAN MEAL	105,775	131,859	-19.8%	88,365	19.7%
SOYBEAN OIL	141,736	83,940	68.9%	94,942	49.3%
SOYBN NEARBY+2 CAL SPRD	35	0	-	25	40.0%
SOYMEAL NEARBY+2 CAL SPRD	0	450	-100.0%	0	-
WHEAT	9,701	4,317	124.7%	9,851	-1.5%
WHEAT-CORN ICSD	240	1,120	-78.6%	200	20.0%
WHEAT NEARBY+2 CAL SPRD	975	622	56.8%	375	160.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	30,209,734	29,352,136	2.9%	28,346,353	6.6%
Equity Index Futures	4,338,329	4,157,058	4.4%	4,253,244	2.0%
Metals Futures	1,430,846	1,178,425	21.4%	1,535,099	-6.8%
Energy Futures	9,258,015	11,435,695	-19.0%	9,110,911	1.6%
FX Futures	1,967,349	1,704,334	15.4%	1,898,907	3.6%
Foreign Exchange Futures	0	0	-	0	-
Ags Futures	4,335	2,340	85.3%	3,260	33.0%
Ag Products Futures	5,182,178	5,073,560	2.1%	4,742,054	9.3%
<b>TOTAL FUTURES</b>	<b>52,390,786</b>	<b>52,903,548</b>	<b>-1.0%</b>	<b>49,889,828</b>	<b>5.0%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	55,696,262	53,478,446	4.1%	50,241,615	10.9%
Equity Index Options	3,927,510	4,241,267	-7.4%	3,469,823	13.2%
Metals Options	1,603,429	1,518,725	5.6%	1,455,366	10.2%
Energy Options	5,962,070	6,416,292	-7.1%	5,156,325	15.6%
FX Options	595,123	661,437	-10.0%	543,869	9.4%
Foreign Exchange Options	207	39	430.8%	146	41.8%
Ag Products Options	3,073,456	3,001,364	2.4%	2,581,830	19.0%
<b>TOTAL OPTIONS</b>	<b>70,858,057</b>	<b>69,317,570</b>	<b>2.2%</b>	<b>63,448,974</b>	<b>11.7%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	85,905,996	82,830,582	3.7%	78,587,968	9.3%
Equity Index	8,265,839	8,398,325	-1.6%	7,723,067	7.0%
Metals	3,034,275	2,697,150	12.5%	2,990,465	1.5%
Energy	15,220,085	17,851,987	-14.7%	14,267,236	6.7%
FX	2,562,472	2,365,771	8.3%	2,442,776	4.9%
Foreign Exchange	207	39	430.8%	146	41.8%
Ags	4,335	2,340	85.3%	3,260	33.0%
Ag Products	8,255,634	8,074,924	2.2%	7,323,884	12.7%
<b>GRAND TOTAL</b>	<b>123,248,843</b>	<b>122,221,118</b>	<b>0.8%</b>	<b>113,338,802</b>	<b>8.7%</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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