



## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>Interest Rate Futures</b>					
10-YR NOTE	3,996,442	3,645,214	9.6%	4,099,002	-2.5%
10-YR SWAP RATE	109,536	40,880	167.9%	106,355	3.0%
15-YR SWAP RATE	10,850	0	-	9,850	10.2%
1-MONTH EURODOLLAR	61	4,709	-98.7%	216	-71.8%
20-YR SWAP RATE	136	0	-	136	0.0%
2-YR NOTE	2,983,814	1,866,914	59.8%	2,985,888	-0.1%
2-YR SWAP RATE	18,446	0	-	17,423	5.9%
30-YR BOND	977,956	829,123	18.0%	963,531	1.5%
30-YR SWAP RATE	1,590	223	613.0%	1,358	17.1%
3-YR SWAP RATE	11,289	0	-	10,453	8.0%
4-YR SWAP RATE	5,560	0	-	6,253	-11.1%
5-YR NOTE	4,317,240	3,401,266	26.9%	4,596,284	-6.1%
5-YR SWAP RATE	86,917	27,229	219.2%	87,192	-0.3%
7-YR SWAP RATE	12,879	0	-	10,858	18.6%
EURODOLLARS	12,525,461	17,013,395	-26.4%	12,439,610	0.7%
FED FUND	1,903,108	2,251,411	-15.5%	2,078,024	-8.4%
SOFR	124,633	0	-	71,405	74.5%
SONIA	11,518	0	-	10,185	13.1%
Ultra 10-Year Note	665,639	568,411	17.1%	686,868	-3.1%
ULTRA T-BOND	1,146,729	991,473	15.7%	1,171,245	-2.1%
<b>Interest Rate Options</b>					
10-YR NOTE	2,856,739	3,617,212	-21.0%	3,074,673	-7.1%
2-YR NOTE	179,473	236,770	-24.2%	143,668	24.9%
30-YR BOND	807,425	731,958	10.3%	948,400	-14.9%
5-YR NOTE	1,686,450	1,624,232	3.8%	1,775,387	-5.0%
EURODOLLARS	35,865,922	27,568,713	30.1%	32,039,507	11.9%
EURO MIDCURVE	17,933,275	21,698,016	-17.4%	15,440,575	16.1%
FED FUND	1,700	3,537	-51.9%	1,924	-11.6%
Ultra 10-Year Note	50	0	-	60	-16.7%
ULTRA T-BOND	14,486	3,317	336.7%	54,252	-73.3%

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<b>Equity Index Futures</b>					
BITCOIN FUTURES	3,205	1,680	90.8%	3,995	-19.8%
DJ US REAL ESTATE	31,731	23,134	37.2%	29,974	5.9%
E-mini (\$5) Dow	88,157	114,094	-22.7%	82,127	7.3%
E-mini FTSE 100 (USD)	5	0	0.0%	5	0.0%
E-mini FTSE China 50	140	158	-11.4%	160	-12.5%
E-MINI MIDCAP	68,292	74,031	-7.8%	67,067	1.8%
E-MINI NASDAQ 100	228,750	232,456	-1.6%	221,543	3.3%
E-MINI RUSSELL 1000	8,065	8,511	-5.2%	7,859	2.6%
E-MINI RUSSELL 1000 GROWTH	2,829	4,216	-32.9%	2,943	-3.9%
E-MINI RUSSELL 1000 VALUE	13,882	12,523	10.9%	13,465	3.1%
E-MINI RUSSELL 2000	523,555	529,028	-1.0%	491,645	6.5%
E-MINI S&P500	2,690,270	3,292,316	-18.3%	2,637,323	2.0%
E-MINI S&P REAL ESTATE SELE	6,989	6,470	8.0%	5,925	18.0%
FT-SE 100	0	144	-100.0%	0	0.0%
FTSE Emerging	17	38	-55.3%	0	0.0%
IBOVESPA INDEX	511	551	-7.3%	416	22.8%
NASDAQ BIOTECH	31	1,011	-96.9%	2	1,450.0%
NIFTY 50	0	69	-100.0%	0	-
NIKKEI 225 (\$) STOCK	29,013	56,963	-49.1%	25,224	15.0%
NIKKEI 225 (YEN) STOCK	72,734	82,407	-11.7%	73,197	-0.6%
S&P 500	325,225	143,147	127.2%	299,006	8.8%
S&P 500/GI	10	13	-23.1%	10	0.0%
S&P 500/VALUE	81,834	105,923	-22.7%	75,911	7.8%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	4,707	7,010	-32.9%	4,778	-1.5%
S&P CONSUMER STAPLES SECT	16,930	22,962	-26.3%	17,201	-1.6%
S&P ENERGY SECTOR	13,626	13,358	2.0%	12,709	7.2%
S&P FINANCIAL SECTOR	16,370	30,228	-45.8%	19,479	-16.0%
S&P HEALTH CARE SECTOR	14,924	7,758	92.4%	14,386	3.7%
S&P INDUSTRIAL SECTOR	16,021	5,396	196.9%	13,899	15.3%
S&P MATERIALS SECTOR	6,865	7,685	-10.7%	6,138	11.8%
S&P TECHNOLOGY SECTOR	9,162	14,029	-34.7%	9,811	-6.6%
S&P UTILITIES SECTOR	18,277	24,281	-24.7%	20,501	-10.8%
YEN DENOMINATED TOPIX	1,044	151	591.4%	359	190.8%

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<b>Equity Index Options</b>					
E-mini (\$5) Dow	9,392	11,485	-18.2%	7,977	17.7%
E-MINI NASDAQ 100	62,406	79,543	-21.5%	78,065	-20.1%
E-MINI RUSSELL 2000	18,777	18,608	0.9%	6,290	198.5%
E-MINI S&P500	2,457,534	2,661,775	-7.7%	2,072,274	18.6%
EOM E-MINI RUSSELL 2000 END	2,380	6,057	-60.7%	1,537	54.8%
EOM EMINI S&P	496,517	685,646	-27.6%	608,900	-18.5%
EOM S&P 500	26,699	77,430	-65.5%	23,708	12.6%
EOW1 E-MINI RUSSELL 2000 WE	315	1,478	-78.7%	195	61.5%
EOW1 E-MINI RUSSELL 2000 WE	580	2,370	-75.5%	162	258.0%
EOW1 EMINI S&P 500	208,292	304,647	-31.6%	263,430	-20.9%
EOW1 S&P 500	45,900	37,182	23.4%	47,175	-2.7%
EOW2 E-MINI RUSSELL 2000 WE	664	2,248	-70.5%	243	173.3%
EOW2 EMINI S&P 500	177,301	141,766	25.1%	143,327	23.7%
EOW2 S&P 500	20,888	5,392	287.4%	23,773	-12.1%
EOW3 E-MINI RUSSELL 2000 WE	3,088	8,634	-64.2%	2,082	48.3%
EOW3 EMINI S&P 500	374,490	695,344	-46.1%	755,480	-50.4%
EOW3 S&P 500	28,180	73,049	-61.4%	58,574	-51.9%
EOW4 E-MINI RUSSELL 2000 WE	151	572	-73.6%	26	480.8%
EOW4 EMINI S&P 500	64,593	63,402	1.9%	65,414	-1.3%
S&P 500	93,569	193,222	-51.6%	82,635	13.2%
<b>Metals Futures</b>					
ALUMINUM	60,039	69,348	-13.4%	63,797	-5.9%
COMEX COPPER	255,010	269,196	-5.3%	257,296	-0.9%
COMEX E-Mini GOLD	578	721	-19.8%	463	24.8%
COMEX E-Mini SILVER	178	174	2.3%	231	-22.9%
COMEX GOLD	491,021	529,648	-7.3%	478,787	2.6%
COMEX MINY COPPER	176	138	27.5%	42	319.0%
COMEX SILVER	196,686	192,118	2.4%	203,570	-3.4%
COPPER	13,045	12,786	2.0%	12,922	1.0%
E-MICRO GOLD	12,130	8,177	48.3%	10,769	12.6%
FERROUS PRODUCTS	3,751	5,285	-29.0%	3,914	-4.2%
GOLD	0	0	-	0	-
Gold Kilo	0	24	-100.0%	0	-
IRON ORE 62 CHINA PLATTS FU	0	1,540	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURE	10,103	10,504	-3.8%	10,292	-1.8%
LNDN ZINC	10	9	11.1%	22	-54.5%
NYMEX HOT ROLLED STEEL	22,473	13,148	70.9%	21,063	6.7%
NYMEX PLATINUM	78,977	85,074	-7.2%	81,628	-3.2%
PALLADIUM	26,608	28,259	-5.8%	27,959	-4.8%
SILVER	1,833	1,949	-6.0%	1,589	15.4%
URANIUM	3,073	2,964	3.7%	4,081	-24.7%

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<b>Metals Options</b>					
COMEX COPPER	40,337	11,587	248.1%	34,273	17.7%
COMEX GOLD	1,174,373	973,055	20.7%	1,211,521	-3.1%
COMEX SILVER	217,615	140,872	54.5%	253,274	-14.1%
COPPER	11	0	-	12	-8.3%
GOLD	19,753	5,877	236.1%	10,070	96.2%
HOT ROLLED COIL STEEL CALL	200	1,320	-84.8%	250	-20.0%
IRON ORE 62 CHINA TSI CALL O	260	3,837	-93.2%	240	8.3%
IRON ORE 62 CHINA TSI PUT OP	55	1,780	-96.9%	60	-8.3%
NYMEX PLATINUM	6,854	4,454	53.9%	6,358	7.8%
PALLADIUM	899	1,759	-48.9%	1,442	-37.7%
SILVER	519	141	268.1%	1,225	-57.6%
<b>Energy Futures</b>					
3.5% FUEL OIL CID MED SWA	54	373	-85.5%	63	-14.3%
3.5% FUEL OIL CIF BALMO S	20	0	-	0	-
AEP-DAYTON HUB DAILY	114	110	3.6%	114	0.0%
AEP-DAYTON HUB MTHLY	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	0	0	-	0	-
ALGON CITY GATES NAT GAS	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	0	31	-100.0%	0	-
ANR LOUISIANA BASIS SWAP	0	0	-	0	-
ANR OKLAHOMA	62	1,526	-95.9%	118	-47.5%
ARGUS LLS VS. WTI (ARG) T	36,638	57,142	-35.9%	40,959	-10.5%
ARGUS PROPAN FAR EST INDE	5,009	4,175	20.0%	4,677	7.1%
ARGUS PROPAN(SAUDI ARAMC	2,044	1,493	36.9%	2,189	-6.6%
AUSTRIALIAN COKE COAL	44	312	-85.9%	48	-8.3%
BRENT BALMO SWAP	125	50	150.0%	0	-
BRENT CALENDAR SWAP	22,361	11,801	89.5%	23,745	-5.8%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	158	7,354	-97.9%	3,658	-95.7%
BRENT OIL LAST DAY	199,736	210,305	-5.0%	196,080	1.9%
CAISO SP15 EZGNHUB5 MW P	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	0	63	-100.0%	0	-
CENTERPOINT BASIS SWAP	1,356	8,180	-83.4%	1,776	-23.6%
CHICAGO ETHANOL SWAP	51,408	66,865	-23.1%	52,127	-1.4%
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	2,903	803	261.5%	2,972	-2.3%
CHICAGO UNL GAS PL VS RBO	640	300	113.3%	235	172.3%
CIG BASIS	5,597	20,525	-72.7%	6,106	-8.3%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	0	110	-100.0%	0	-
CINERGY HUB PEAK MONTH	0	264	-100.0%	0	-
CIN HUB 5MW D AH O PK	0	124,040	-100.0%	0	-
CIN HUB 5MW D AH PK	1,607	7,509	-78.6%	2,149	-25.2%
CIN HUB 5MW REAL TIME O P	131,104	425,224	-69.2%	139,904	-6.3%
CIN HUB 5MW REAL TIME PK	15,864	34,778	-54.4%	16,944	-6.4%
COAL SWAP	20	45	-55.6%	40	-50.0%
COLUMB GULF MAINLINE NG B	723	3,572	-79.8%	748	-3.3%

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<b>Energy Futures</b>					
COLUMBIA GULF ONSHORE	0	0	-	0	-
CONWAY NATURAL GASOLINE (	1,632	1,133	44.0%	1,185	37.7%
CONWAY NORMAL BUTANE (OPI	600	913	-34.3%	715	-16.1%
CONWAY PROPANE 5 DECIMALS	20,253	17,658	14.7%	22,430	-9.7%
CRUDE OIL	27,622	13,682	101.9%	25,346	9.0%
CRUDE OIL OUTRIGHTS	145,591	133,171	9.3%	145,611	0.0%
CRUDE OIL PHY	2,076,397	2,471,981	-16.0%	2,073,468	0.1%
CRUDE OIL SPRDS	135,757	165,938	-18.2%	141,386	-4.0%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	138,982	231,591	-40.0%	129,881	7.0%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	2,570	8,395	-69.4%	2,990	-14.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	0	0	-	0	-
DOMINION TRAN INC - APP I	0	2,672	-100.0%	0	-
DOMINION TRANSMISSION INC	10,130	26,094	-61.2%	11,474	-11.7%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	21,356	5,425	293.7%	19,760	8.1%
DUTCH TTF NATURAL GAS CAL	1,689	80	2,011.3%	574	194.3%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	0	210	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	41	135	-69.6%	42	-2.4%
EIA FLAT TAX ONHWAY DIESE	1,764	2,184	-19.2%	1,641	7.5%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	480	-100.0%	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	980	1,490	-34.2%	1,024	-4.3%
ELEC MISO PEAK	0	3,495	-100.0%	0	-
ELEC NYISO OFF-PEAK	0	64,320	-100.0%	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	73,300	27,280	168.7%	74,084	-1.1%
ELEC WEST POWER OFF-PEAK	0	0	-	0	-
ELEC WEST POWER PEAK	0	0	-	0	-
ERCOT DAILY 5MW PEAK	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW	0	2,200	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	5,760	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	110,880	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PE	0	7,400	-100.0%	0	-
ETHANOL	1,474	1,938	-23.9%	2,310	-36.2%
ETHANOL SWAP	380	0	-	290	31.0%
ETHANOL T2 FOB ROTT INCL DU	5,889	5,679	3.7%	5,929	-0.7%
EURO 1% FUEL OIL NEW BALM	0	5	-100.0%	0	-
EURO 3.5% FUEL OIL RDAM B	0	621	-100.0%	40	-100.0%
EURO 3.5% FUEL OIL SPREAD	0	164	-100.0%	20	-100.0%
EURO-DENOMINATED PETRO P	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	40	442	-91.0%	60	-33.3%
EUROPE 1% FUEL OIL NWE CA	254	187	35.8%	262	-3.1%
EUROPE 1% FUEL OIL RDAM C	3	0	-	3	0.0%
EUROPE 3.5% FUEL OIL MED	150	480	-68.7%	160	-6.3%
EUROPE 3.5% FUEL OIL RDAM	7,418	10,954	-32.3%	7,937	-6.5%
EUROPEAN GASOIL (ICE)	97	383	-74.7%	107	-9.3%

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<b>Energy Futures</b>					
EUROPEAN NAPHTHA BALMO	168	304	-44.7%	265	-36.6%
EUROPEAN NAPHTHA CRACK SP	13,309	15,011	-11.3%	13,984	-4.8%
EUROPE DATED BRENT SWAP	1,516	450	236.9%	3,550	-57.3%
EUROPE JET KERO NWE CALSW	23	60	-61.7%	24	-4.2%
EUROPE NAPHTHA CALSWAP	2,792	3,863	-27.7%	2,967	-5.9%
EURO PROPANE CIF ARA SWA	2,025	2,019	0.3%	2,102	-3.7%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	4,175	1,440	189.9%	4,495	-7.1%
FUEL OIL CRACK VS ICE	7,635	13,144	-41.9%	7,765	-1.7%
FUEL OIL NWE CRACK VS ICE	171	156	9.6%	171	0.0%
FUEL OIL (PLATS) CAR CM	0	100	-100.0%	0	-
FUEL OIL (PLATS) CAR CN	0	45	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	1,023	846	20.9%	802	27.6%
GAS EURO-BOB OXY NWE BARG	6,761	6,041	11.9%	7,007	-3.5%
GAS EURO-BOB OXY NWE BARG	27,192	31,118	-12.6%	28,885	-5.9%
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	15	197	-92.4%	0	-
GASOIL 0.1 ROTTERDAM BARG	14	40	-65.0%	26	-46.2%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	20	546	-96.3%	21	-4.8%
GASOIL BULLET SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	48	6	700.0%	6	700.0%
GASOIL CRACK SPREAD CALEN	13,648	27,447	-50.3%	14,037	-2.8%
GASOIL MINI CALENDAR SWAP	1,012	711	42.3%	1,246	-18.8%
GERMAN POWER BASELOAD CA	210	138	52.2%	345	-39.1%
GROUP THREE ULSD (PLATTS)	47	115	-59.1%	49	-4.1%
GROUP THREE UNLEAD GAS (P	50	0	-	75	-33.3%
GRP THREE ULSD(PLT)VS HEA	7,452	11,595	-35.7%	7,769	-4.1%
GRP THREE UNL GS (PLT) VS	5,490	4,151	32.3%	6,038	-9.1%
GULF COAST 3% FUEL OIL BA	72	466	-84.5%	1,489	-95.2%
GULF COAST JET FUEL CLNDR	852	773	10.2%	957	-11.0%
GULF COAST JET VS NYM 2 H	28,910	33,895	-14.7%	25,715	12.4%
GULF COAST NO.6 FUEL OIL	30,931	50,205	-38.4%	34,814	-11.2%
GULF COAST ULSD CALENDAR	1,801	1,526	18.0%	1,638	10.0%
GULF COAST ULSD CRACK SPR	560	1,045	-46.4%	585	-4.3%
HEATING OIL BALMO CLNDR S	10	37	-73.0%	0	-
HEATING OIL PHY	431,432	409,292	5.4%	369,626	16.7%
HENRY HUB BASIS SWAP	10,058	2,936	242.6%	10,058	0.0%
HENRY HUB FINANCIAL LAST	0	12	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	10,058	6,192	62.4%	10,120	-0.6%
HENRY HUB SWAP	1,026,984	1,119,645	-8.3%	1,046,422	-1.9%
HOUSTON SHIP CHANNEL BASI	10,321	17,235	-40.1%	10,797	-4.4%
HTG OIL	141	231	-39.0%	154	-8.4%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
ICE BRENT DUBAI SWAP	34,434	50,283	-31.5%	34,045	1.1%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	0	3,698	-100.0%	0	-
INDIANA MISO	4,130	25,016	-83.5%	3,941	4.8%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>Energy Futures</b>					
INDONESIAN COAL	0	0	-	0	-
INDONESIAN COAL ICI4	85	20	325.0%	175	-51.4%
ISO NEW ENGLAND OFF-PEAK	0	0	-	0	-
ISO NEW ENGLAND PK LMP	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	121	825	-85.3%	121	0.0%
JAPAN C&F NAPHTHA SWAP	1,407	2,521	-44.2%	1,878	-25.1%
JAPAN NAPHTHA BALMO SWAP	25	68	-63.2%	124	-79.8%
JET AV FUEL (P) CAR FM ICE GA	0	22	-100.0%	0	-
JET CIF NWE VS ICE	365	733	-50.2%	419	-12.9%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	2,265	5,305	-57.3%	4,294	-47.3%
JKM LNG Futures	4,000	835	379.0%	3,970	0.8%
LA CARB DIESEL (OPIS)	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	188	350	-46.3%	219	-14.2%
LA CARBOB GASOLINE(OPIS)S	1,150	1,075	7.0%	1,025	12.2%
LA JET FUEL VS NYM NO 2 H	0	0	-	0	-
LA JET (OPIS) SWAP	2,148	2,875	-25.3%	1,999	7.5%
LLS (ARGUS) CALENDAR SWAP	479	0	-	500	-4.2%
LLS (ARGUS) VS WTI SWAP	26,950	22,149	21.7%	28,536	-5.6%
LOS ANGELES CARB GASOLINE	0	0	-	0	-
LTD NAT GAS	411,964	366,344	12.5%	437,763	-5.9%
MARS (ARGUS) VS WTI SWAP	4,670	8,725	-46.5%	5,085	-8.2%
MARS (ARGUS) VS WTI TRD M	28,742	35,195	-18.3%	34,143	-15.8%
MARS BLEND CRUDE OIL	0	60	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	20,959	41,759	-49.8%	20,484	2.3%
MCCLOSKEY RCH BAY COAL	2,680	4,921	-45.5%	2,399	11.7%
MGF FUT	20	80	-75.0%	40	-50.0%
MGN1 SWAP FUT	300	392	-23.5%	345	-13.0%
MICHIGAN BASIS	1,833	4,623	-60.4%	1,973	-7.1%
MICHIGAN MISO	0	31,647	-100.0%	0	-
MINI GAS EUROBOB OXY NWE A	135	235	-42.6%	452	-70.1%
MINI RBOB V. EBOBARG NWE BF	490	0	-	876	-44.1%
MINI RBOB V. EBOB(ARGUS) NW	2,873	1,919	49.7%	2,403	19.6%
MINY HTG OIL	1	1	0.0%	0	-
MINY NATURAL GAS	2,266	2,934	-22.8%	2,384	-4.9%
MINY RBOB GAS	0	0	-	0	0.0%
MINY WTI CRUDE OIL	4,099	3,431	19.5%	5,109	-19.8%
MJC FUT	275	625	-56.0%	290	-5.2%
MNC FUT	6,305	4,068	55.0%	4,925	28.0%
MONT BELVIEU ETHANE 5 DECI	39,129	49,619	-21.1%	41,247	-5.1%
MONT BELVIEU ETHANE OPIS B	75	300	-75.0%	470	-84.0%
MONT BELVIEU LDH PROPANE 5	117,818	115,010	2.4%	116,059	1.5%
MONT BELVIEU LDH PROPANE C	1,450	2,150	-32.6%	4,119	-64.8%
MONT BELVIEU NATURAL GASO	18,303	19,475	-6.0%	18,562	-1.4%
MONT BELVIEU NATURAL GASO	278	260	6.9%	1,201	-76.9%
MONT BELVIEU NORMAL BUTAN	40,583	31,311	29.6%	40,236	0.9%
MONT BELVIEU NORMAL BUTAN	1,272	392	224.5%	1,541	-17.5%
NAT GAS BASIS SWAP	2,142	5,127	-58.2%	2,338	-8.4%
NATURAL GAS	89,398	91,249	-2.0%	110,429	-19.0%
NATURAL GAS FIXED PRICE SW	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
NATURAL GAS INDEX	0	0	-	0	-
NATURAL GAS PEN SWP	137,588	154,751	-11.1%	143,446	-4.1%
NATURAL GAS PHY	1,176,942	1,348,281	-12.7%	1,365,098	-13.8%
NEPOOL CNCTCT 5MW D AH O	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	433,008	538,797	-19.6%	437,420	-1.0%
NEPOOL NE MASS 5MW D AH O	12,864	14,040	-8.4%	14,040	-8.4%
NEPOOL NE MASS 5MW D AH P	699	765	-8.6%	765	-8.6%
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	1,513	1,991	-24.0%	1,164	30.0%
NEW YORK ETHANOL SWAP	885	2,955	-70.1%	895	-1.1%
NEW YORK HUB ZONE G PEAK	1,449	2,706	-46.5%	1,302	11.3%
NEW YORK HUB ZONE J PEAK	1,120	770	45.5%	1,085	3.2%
NGPL MID-CONTINENT	13,757	21,363	-35.6%	14,513	-5.2%
NGPL TEX/OK	22,782	27,215	-16.3%	25,610	-11.0%
N ILLINOIS HUB DAILY	108	238	-54.6%	108	0.0%
N ILLINOIS HUB MTHLY	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	300	960	-68.7%	100	200.0%
NORTHERN NATURAL GAS DEMA	428	1,542	-72.2%	428	0.0%
NORTHERN NATURAL GAS VENTL	1,304	1,511	-13.7%	1,324	-1.5%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	14,042	35,183	-60.1%	15,246	-7.9%
N ROCKIES PIPE SWAP	0	122	-100.0%	28	-100.0%
NY1% VS GC SPREAD SWAP	2,740	4,398	-37.7%	2,885	-5.0%
NY 2.2% FUEL OIL (PLATTS	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	275	625	-56.0%	285	-3.5%
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	9,100	6,984	30.3%	9,296	-2.1%
NY HARBOR LOW SULPUR GAS	915	840	8.9%	915	0.0%
NY HARBOR RESIDUAL FUEL 1	1,658	2,477	-33.1%	1,933	-14.2%
NY HARBOR RESIDUAL FUEL C	0	0	-	50	-100.0%
NYH NO 2 CRACK SPREAD CAL	3,490	4,386	-20.4%	3,627	-3.8%
NYISO A	0	0	-	0	-
NYISO A OFF-PEAK	0	0	-	0	-
NYISO CAPACITY	1,408	3,114	-54.8%	1,456	-3.3%
NYISO G	0	0	-	0	-
NYISO G OFF-PEAK	0	0	-	0	-
NYISO J	0	0	-	0	-
NYISO J OFF-PEAK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	21,186	58,990	-64.1%	27,291	-22.4%
NYISO ZONE A 5MW D AH PK	2,590	6,498	-60.1%	3,115	-16.9%
NYISO ZONE C 5MW D AH O P	0	0	-	0	-
NYISO ZONE C 5MW D AH PK	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	477,602	532,679	-10.3%	497,723	-4.0%
NYISO ZONE G 5MW D AH PK	18,416	20,838	-11.6%	19,403	-5.1%
NYISO ZONE J 5MW D AH O P	119,886	243,041	-50.7%	132,096	-9.2%
NYISO ZONE J 5MW D AH PK	9,846	17,151	-42.6%	10,581	-6.9%
NYMEX ALUMINUM FUTURES	800	649	23.3%	775	3.2%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>Energy Futures</b>					
NYMEX ULSD VS NYMEX HO	750	0	-	0	-
NY ULSD (ARGUS) VS HEATING	417	291	43.3%	385	8.3%
ONEOK OKLAHOMA NG BASIS	0	612	-100.0%	0	-
ONTARIO POWER SWAPS	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	4,340	12,151	-64.3%	4,536	-4.3%
PANHANDLE PIPE SWAP	0	2,258	-100.0%	0	-
PERMIAN BASIS SWAP	4,458	8,854	-49.6%	4,626	-3.6%
PETROCHEMICALS	9,148	11,234	-18.6%	9,675	-5.4%
PETRO CRCKS & SPRDS ASIA	800	1,395	-42.7%	810	-1.2%
PETRO CRCKS & SPRDS NA	64,782	85,428	-24.2%	72,403	-10.5%
PETRO CRK&SPRD EURO	13,981	20,592	-32.1%	15,222	-8.2%
PETROLEUM PRODUCTS	6,384	12,448	-48.7%	8,252	-22.6%
PETROLEUM PRODUCTS ASIA	2,196	3,154	-30.4%	2,122	3.5%
PETRO OUTRIGHT EURO	9,723	11,281	-13.8%	9,864	-1.4%
PETRO OUTRIGHT NA	6,554	7,852	-16.5%	6,150	6.6%
PJM AD HUB 5MW REAL TIME	219,796	310,495	-29.2%	236,424	-7.0%
PJM AECO DA OFF-PEAK	0	0	-	0	-
PJM AECO DA PEAK	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	0	0	-	0	-
PJM APS ZONE DA PEAK	0	0	-	0	-
PJM ATSI ELEC	0	16,040	-100.0%	0	-
PJM BGE DA OFF-PEAK	0	16,171	-100.0%	0	-
PJM BGE DA PEAK	0	891	-100.0%	0	-
PJM COMED 5MW D AH O PK	0	21,440	-100.0%	0	-
PJM COMED 5MW D AH PK	0	1,165	-100.0%	0	-
PJM DAILY	1,182	824	43.4%	972	21.6%
PJM DAYTON DA OFF-PEAK	64,365	108,568	-40.7%	66,400	-3.1%
PJM DAYTON DA PEAK	4,490	9,594	-53.2%	4,700	-4.5%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM MONTHLY	440	1,250	-64.8%	480	-8.3%
PJM NI HUB 5MW REAL TIME	83,286	632,241	-86.8%	91,054	-8.5%
PJM NILL DA OFF-PEAK	119,986	394,022	-69.5%	133,824	-10.3%
PJM NILL DA PEAK	7,488	22,795	-67.2%	8,307	-9.9%
PJM OFF-PEAK LMP SWAP FUT	0	454	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL	2,960	0	-	2,960	0.0%
PJM PPL DA OFF-PEAK	0	0	-	0	-
PJM PPL DA PEAK	0	0	-	0	-
PJM PSEG DA OFF-PEAK	84,415	53,780	57.0%	88,335	-4.4%
PJM PSEG DA PEAK	4,125	1,700	142.6%	4,235	-2.6%
PJM WESTH DA OFF-PEAK	161,292	370,947	-56.5%	174,316	-7.5%
PJM WESTHDA PEAK	8,778	20,115	-56.4%	9,450	-7.1%
PJM WESTH RT OFF-PEAK	827,940	1,704,851	-51.4%	890,596	-7.0%
PJM WESTH RT PEAK	117,727	135,633	-13.2%	127,344	-7.6%
PLASTICS	3,663	1,009	263.0%	3,110	17.8%
PREMIUM UNLD 10P FOB MED	708	896	-21.0%	773	-8.4%
PREMIUM UNLEAD 10PPM FOB	18	70	-74.3%	0	-
PREM UNL GAS 10PPM RDAM F	0	80	-100.0%	20	-100.0%
PREM UNL GAS 10PPM RDAM F	30	10	200.0%	45	-33.3%
PROPANE NON-LDH MB (OPIS) B	2,539	457	455.6%	2,283	11.2%
PROPANE NON-LDH MT. BEL (OF	57,251	32,132	78.2%	56,525	1.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
RBOB CALENDAR SWAP	12,426	12,213	1.7%	12,836	-3.2%
RBOB CRACK SPREAD	4,358	5,230	-16.7%	4,301	1.3%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	72	3,922	-98.2%	80	-10.0%
RBOB GASOLINE BALMO CLNDR	1,532	661	131.8%	660	132.1%
RBOB PHY	393,255	414,966	-5.2%	413,538	-4.9%
RBOB SPREAD (PLATTS) SWAP	0	0	-	0	-
RBOB VS HEATING OIL SWAP	75	1,950	-96.2%	0	-
SAN JUAN BASIS SWAP	7,358	18,213	-59.6%	7,526	-2.2%
SAN JUAN PIPE SWAP	72	0	-	144	-50.0%
SINGAPORE 180CST BALMO	10	80	-87.5%	10	0.0%
SINGAPORE 380CST BALMO	5	101	-95.0%	20	-75.0%
SINGAPORE 380CST FUEL OIL	6,722	8,770	-23.4%	7,496	-10.3%
SINGAPORE FUEL 180CST CAL	404	978	-58.7%	444	-9.0%
SINGAPORE FUEL OIL SPREAD	262	932	-71.9%	391	-33.0%
SINGAPORE GASOIL	11,338	12,288	-7.7%	12,253	-7.5%
SINGAPORE GASOIL CALENDAR	254	4,303	-94.1%	314	-19.1%
SINGAPORE GASOIL SWAP	2,748	10,131	-72.9%	4,557	-39.7%
SINGAPORE GASOIL VS ICE	23,956	36,510	-34.4%	28,358	-15.5%
SINGAPORE JET KERO BALMO	0	165	-100.0%	0	-
SINGAPORE JET KERO GASOIL	7,105	9,930	-28.4%	7,955	-10.7%
SINGAPORE JET KEROSENE SW	2,130	2,505	-15.0%	2,515	-15.3%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	375	738	-49.2%	100	275.0%
SINGAPORE MOGAS 92 UNLEAD	14,443	17,923	-19.4%	12,628	14.4%
SINGAPORE NAPHTHA SWAP	0	200	-100.0%	0	-
SING FUEL	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
SONAT BASIS SWAP FUTURE	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	0	100	-100.0%	0	-
Sumas Basis Swap	2,018	4,850	-58.4%	2,326	-13.2%
SUMAS NAT GAS PLATTS FIXED	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	320	241	32.8%	230	39.1%
TC5 RAS TANURA TO YOKOHAM	1,370	115	1,091.3%	1,080	26.9%
TCO BASIS SWAP	4,342	9,014	-51.8%	4,622	-6.1%
TCO NG INDEX SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	11,926	1,005	1,086.7%	10,386	14.8%
TENNESSEE 500 LEG BASIS S	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	0	124	-100.0%	0	-
TETCO M-3 INDEX	0	0	-	0	-
Tetco STX Basis	0	612	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	1,774	5,456	-67.5%	2,054	-13.6%
TEXAS GAS ZONE1 NG BASIS	0	4,808	-100.0%	0	-
Transco Zone 3 Basis	0	2,816	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	2,893	7,586	-61.9%	3,032	-4.6%
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	62	2,321	-97.3%	118	-47.5%
TRANSCO ZONE 6 INDEX	0	0	-	0	-
UCM FUT	20	60	-66.7%	20	0.0%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
UK NBP NAT GAS CAL MTH FUT	165	90	83.3%	115	43.5%
ULSD 10PPM CIF MED SWAP	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	0	29	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	4,960	3,995	24.2%	7,640	-35.1%
UP DOWN GC ULSD VS NMX HO	43,301	34,957	23.9%	43,000	0.7%
WAHA BASIS	2,012	5,712	-64.8%	2,338	-13.9%
WAHA INDEX SWAP FUTURE	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	0	180	-100.0%	0	-
WTI-BRENT BULLET SWAP	4,704	404	1,064.4%	5,229	-10.0%
WTI-BRENT CALENDAR SWAP	139,526	141,188	-1.2%	134,649	3.6%
WTI CALENDAR	161,099	167,126	-3.6%	159,132	1.2%
WTS (ARGUS) VS WTI SWAP	52,464	69,615	-24.6%	54,365	-3.5%
WTS (ARGUS) VS WTI TRD MT	5,578	3,657	52.5%	5,528	0.9%
<b>Energy Options</b>					
12 MO GASOIL CAL SWAP SPR	0	0	-	0	-
BRENT 1 MONTH CAL	0	3,000	-100.0%	0	-
BRENT CALENDAR SWAP	6,858	3,306	107.4%	6,985	-1.8%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	30,000	0	-	33,000	-9.1%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	272,308	174,687	55.9%	236,334	15.2%
COAL API2 INDEX	395	1,935	-79.6%	420	-6.0%
COAL API4 INDEX	0	115	-100.0%	0	-
COAL SWAP	0	415	-100.0%	0	-
CRUDE OIL 1MO	581,575	334,650	73.8%	562,250	3.4%
CRUDE OIL APO	297,356	452,170	-34.2%	292,607	1.6%
CRUDE OIL CALNDR STRIP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	885	6,180	-85.7%	955	-7.3%
CRUDE OIL PHY	2,549,284	2,899,149	-12.1%	2,796,204	-8.8%
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	0	-	0	-
ETHANOL SWAP	13,602	16,682	-18.5%	11,657	16.7%
EUROPEAN JET KEROSENE NW	0	0	-	0	-
GASOLINE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	0	0	-	0	-
HEATING OIL CRK SPD AVG PRI	0	0	-	0	-
HEATING OIL PHY	52,959	45,415	16.6%	61,404	-13.8%
HENRY HUB FINANCIAL LAST	8,559	6,213	37.8%	8,503	0.7%
HO 1 MONTH CLNDR OPTIONS	0	0	-	1,550	-100.0%
LLS CRUDE OIL	0	3,400	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	130	590	-78.0%	130	0.0%
MCCLOSKEY RCH BAY COAL	220	575	-61.7%	0	-
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	3,350	0	-	99,839	-96.6%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-
NATURAL GAS 3 M CSO FIN	450	29,200	-98.5%	0	-
NATURAL GAS 5 M CSO FIN	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
NATURAL GAS 6 M CSO FIN	18,975	24,950	-23.9%	19,125	-0.8%
NATURAL GAS OPTION ON CALE	7,684	5,482	40.2%	4,284	79.4%
NATURAL GAS PHY	1,519,304	1,632,559	-6.9%	1,958,261	-22.4%
NATURAL GAS WINTER STRIP	0	0	-	0	-
N ROCKIES PIPE SWAP	546	1,624	-66.4%	1,610	-66.1%
NY HARBOR HEAT OIL SWP	13,516	17,499	-22.8%	15,838	-14.7%
NYISO ZONE G 5MW PEAK OPTI	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
PANHANDLE PIPE SWAP	0	5,760	-100.0%	0	-
PETROCHEMICALS	4,668	4,049	15.3%	4,796	-2.7%
PETRO OUTRIGHT EURO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	746	66	1,030.3%	792	-5.8%
PJM WES HUB PEAK CAL MTH	680	1,570	-56.7%	660	3.0%
PJM WES HUB PEAK LMP 50MW	1,171	10,113	-88.4%	1,507	-22.3%
RBOB 1MO CAL SPD OPTIONS	0	0	-	100	-100.0%
RBOB CALENDAR SWAP	180	375	-52.0%	210	-14.3%
RBOB CRACK	2	0	-	2	0.0%
RBOB PHY	13,473	8,958	50.4%	9,637	39.8%
ROTTERDAM 3.5%FUEL OIL CL	0	0	-	0	-
SAN JUAN PIPE SWAP	180	880	-79.5%	1,088	-83.5%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	25	0	0.0%	500	-95.0%
SINGAPORE GASOIL CALENDAR	0	0	-	0	-
SINGAPORE JET FUEL CALEND	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
WTI-BRENT BULLET SWAP	150,415	320,588	-53.1%	131,720	14.2%
WTI CRUDE OIL 1 M CSO FI	147,025	176,627	-16.8%	154,300	-4.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>FX Futures</b>					
AD/CD CROSS RATES	3	3	0.0%	4	-25.0%
AD/JY CROSS RATES	666	473	40.8%	698	-4.6%
AD/NE CROSS RATES	16	46	-65.2%	18	-11.1%
AUSTRALIAN DOLLAR	133,018	112,230	18.5%	127,860	4.0%
BDI	0	0	-	0	-
BP/JY CROSS RATES	395	645	-38.8%	358	10.3%
BP/SF CROSS RATES	77	180	-57.2%	77	0.0%
BRAZIL REAL	21,441	46,745	-54.1%	14,369	49.2%
BRITISH POUND	201,822	203,354	-0.8%	197,781	2.0%
CANADIAN DOLLAR	150,087	144,561	3.8%	148,656	1.0%
CD/JY CROSS RATES	2	0	-	2	0.0%
CHINESE RENMINBI (CNH)	1,981	1,202	64.8%	2,039	-2.8%
CZECK KORUNA (EC)	2	0	-	4	-50.0%
CZECK KORUNA (US)	0	0	-	0	-
EC/AD CROSS RATES	2,024	1,327	52.5%	1,634	23.9%
EC/CD CROSS RATES	2,167	1,835	18.1%	2,232	-2.9%
EC/NOK CROSS RATES	92	91	1.1%	99	-7.1%
EC/SEK CROSS RATES	700	714	-2.0%	704	-0.6%
EFX/BP CROSS RATES	31,149	35,728	-12.8%	29,675	5.0%
EFX/JY CROSS RATES	25,263	25,725	-1.8%	27,199	-7.1%
EFX/SF CROSS RATES	8,631	14,689	-41.2%	7,966	8.3%
E-MICRO AUD/USD	4,676	3,471	34.7%	2,902	61.1%
E-MICRO CAD/USD	2,858	1,816	57.4%	2,057	38.9%
E-MICRO CHF/USD	251	234	7.3%	213	17.8%
E-MICRO EUR/USD	10,667	14,764	-27.7%	9,408	13.4%
E-MICRO GBP/USD	2,175	6,321	-65.6%	1,700	27.9%
E-MICRO INR/USD	382	794	-51.9%	330	15.8%
E-MICRO JPY/USD	1,410	2,154	-34.5%	1,354	4.1%
E-MINI EURO FX	16,946	14,308	18.4%	15,180	11.6%
E-MINI JAPANESE YEN	945	1,215	-22.2%	915	3.3%
EURO FX	527,164	567,504	-7.1%	531,377	-0.8%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	0	-
INDIAN RUPEE	1,002	1,524	-34.3%	1,504	-33.4%
JAPANESE YEN	198,363	266,080	-25.4%	199,438	-0.5%
KOREAN WON	191	52	267.3%	169	13.0%
MEXICAN PESO	236,088	188,649	25.1%	214,464	10.1%
NEW ZEALND DOLLAR	37,688	58,663	-35.8%	33,454	12.7%
NKR/USD CROSS RATE	1,887	2,047	-7.8%	1,413	33.5%
POLISH ZLOTY (EC)	38	19	100.0%	22	72.7%
POLISH ZLOTY (US)	119	41	190.2%	59	101.7%
RMB USD	1	7	-85.7%	1	0.0%
RUSSIAN RUBLE	50,013	51,474	-2.8%	34,601	44.5%
S.AFRICAN RAND	28,010	14,429	94.1%	23,741	18.0%
SF/JY CROSS RATES	5	0	-	5	0.0%
SHEKEL	0	665	-100.0%	0	-
SKR/USD CROSS RATES	1,524	1,504	1.3%	1,228	24.1%
SWISS FRANC	76,556	68,482	11.8%	66,289	15.5%
TURKISH LIRA	1,425	6,578	-78.3%	1,135	25.6%
USDZAR	0	1	-100.0%	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>FX Options</b>					
AUD/USD PQO 2pm Fix	67,991	116,643	-41.7%	71,526	-4.9%
AUSTRALIAN DLR (EU)	0	0	-	0	-
AUSTRALIAN DOLLAR	0	0	-	0	-
BRITISH POUND	0	0	-	0	-
BRITISH POUND (EU)	0	295	-100.0%	0	-
CAD/USD PQO 2pm Fix	66,442	87,150	-23.8%	70,057	-5.2%
CANADIAN DOLLAR	0	0	-	0	-
CANADIAN DOLLAR (EU)	0	52	-100.0%	0	-
CHF/USD PQO 2pm Fix	2,958	2,070	42.9%	2,222	33.1%
EFX/BP CROSS RATES	25	0	-	30	-16.7%
EFX/JY CROSS RATES	0	0	0.0%	0	-
EURO FX	0	0	-	0	-
EURO FX (EU)	0	44	-100.0%	0	-
EUR/USD PQO 2pm Fix	261,689	353,537	-26.0%	239,229	9.4%
GBP/USD PQO 2pm Fix	164,137	172,934	-5.1%	167,264	-1.9%
JAPANESE YEN	0	0	-	0	-
JAPANESE YEN (EU)	0	15	-100.0%	0	-
JPY/USD PQO 2pm Fix	120,568	142,300	-15.3%	107,319	12.3%
MEXICAN PESO	3,625	1,883	92.5%	2,595	39.7%
NEW ZEALND DOLLAR	948	0	-	1,195	-20.7%
SWISS FRANC	0	0	-	0	-
SWISS FRANC (EU)	0	0	-	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	0	2,185	-100.0%	0	-
<b>Foreign Exchange Options</b>					
AUD/USD PQO 2pm Fix	78	34	129.4%	39	100.0%
<b>Ags Futures</b>					
FERTILIZER PRODUCS	2,245	725	209.7%	2,340	-4.1%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>Ag Products Futures</b>					
BUTTER CS	7,492	8,307	-9.8%	7,598	-1.4%
CASH-SETTLED CHEESE	20,574	29,164	-29.5%	22,476	-8.5%
CATTLE	413,788	377,283	9.7%	387,665	6.7%
CDD SEASONAL STRIP	100	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	462,480	445,030	3.9%	470,284	-1.7%
CLASS IV MILK	6,661	1,826	264.8%	6,888	-3.3%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,650,737	1,662,228	-0.7%	1,703,938	-3.1%
COTTON	0	0	-	0	-
DJ_UBS ROLL SELECT INDEX FU	1,867	823	126.9%	1,867	0.0%
DOW-UBS COMMOD INDEX	26,711	51,549	-48.2%	28,485	-6.2%
DRY WHEY	3,308	3,978	-16.8%	3,307	0.0%
FEEDER CATTLE	52,340	57,928	-9.6%	50,786	3.1%
FERTILIZER PRODUCTS	3,105	2,250	38.0%	3,290	-5.6%
GOLDMAN SACHS	13,899	14,005	-0.8%	15,134	-8.2%
GSCI EXCESS RETURN FUT	58,472	58,637	-0.3%	58,606	-0.2%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	50	0	-	50	0.0%
HDD WEATHER	2,050	5,315	-61.4%	1,250	64.0%
HDD WEATHER EUROPEAN	2,000	0	-	2,000	0.0%
HOGS	257,728	233,804	10.2%	217,848	18.3%
HOUSING INDEX	36	31	16.1%	39	-7.7%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	291,757	301,825	-3.3%	298,190	-2.2%
LUMBER	2,929	7,045	-58.4%	3,390	-13.6%
MALAYSIAN PALM SWAP	18,516	18,276	1.3%	18,184	1.8%
MILK	22,669	25,481	-11.0%	25,341	-10.5%
MINI CORN	6,421	9,030	-28.9%	9,478	-32.3%
MINI SOYBEAN	11,205	23,937	-53.2%	13,042	-14.1%
MINI WHEAT	2,243	1,785	25.7%	2,231	0.5%
MLK MID OPTIONS	0	34	-100.0%	0	0.0%
NFD MILK	8,164	8,116	0.6%	8,062	1.3%
OATS	4,456	5,691	-21.7%	5,813	-23.3%
ROUGH RICE	8,333	8,829	-5.6%	7,187	15.9%
SOYBEAN	651,200	777,749	-16.3%	701,446	-7.2%
SOYBEAN MEAL	438,390	449,667	-2.5%	464,893	-5.7%
SOYBEAN OIL	488,381	475,332	2.7%	507,255	-3.7%
S&P GSCI ENHANCED ER SWAP	3,762	3,762	0.0%	3,762	0.0%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	4,180	5,090	-17.9%	4,360	-4.1%
WHEAT	22,830	7,950	187.2%	19,415	17.6%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Ag Products Options</b>					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BUTTER CS	11,815	9,311	26.9%	11,885	-0.6%
CASH-SETTLED CHEESE	32,623	45,275	-27.9%	33,609	-2.9%
CATTLE	175,275	183,030	-4.2%	179,886	-2.6%
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	353,256	385,517	-8.4%	385,793	-8.4%
CLASS IV MILK	10,489	4,296	144.2%	9,165	14.4%
CORN	1,010,569	1,090,222	-7.3%	1,112,761	-9.2%
CORN NEARBY+2 CAL SPRD	10,290	3,850	167.3%	9,490	8.4%
DEC-DEC CORN CAL SPRD	558	278	100.7%	520	7.3%
DEC-JULY CORN CAL SPRD	1,900	0	-	1,700	11.8%
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
DRY WHEY	2,393	2,786	-14.1%	2,125	12.6%
FEEDER CATTLE	29,683	39,568	-25.0%	34,616	-14.3%
HDD EURO SEASONAL STRIP	500	2,500	-80.0%	500	0.0%
HDD SEASONAL STRIP	9,000	14,000	-35.7%	9,000	0.0%
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	232,972	142,621	63.4%	229,816	1.4%
HOUSING INDEX	0	2	-100.0%	0	-
Intercommodity Spread	317	3,561	-91.1%	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	4,750	804	490.8%	1,645	188.8%
JULY-DEC SOYMEAL CAL SPRD	1,200	0	-	1,200	0.0%
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-
JULY-DEC WHEAT CAL SPRD	1,500	250	500.0%	800	87.5%
JULY-NOV SOYBEAN CAL SPRD	5,823	10,045	-42.0%	5,331	9.2%
KC WHEAT	76,763	77,915	-1.5%	90,174	-14.9%
LUMBER	1,138	1,473	-22.7%	2,293	-50.4%
LV CATL CSO	379	5	7,480.0%	353	7.4%
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	1,730	-100.0%
MILK	68,101	66,582	2.3%	71,830	-5.2%
MLK MID OPTIONS	169	296	-42.9%	177	-4.5%
NFD MILK	22,220	12,015	84.9%	21,029	5.7%
NOV-JULY SOYBEAN CAL SPRD	50	0	-	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-
NOV-NOV SOYBEAN CAL SPRD	114	9	1,166.7%	100	14.0%
OATS	766	468	63.7%	1,380	-44.5%
ROUGH RICE	2,704	932	190.1%	2,747	-1.6%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	469,486	608,027	-22.8%	557,381	-15.8%
SOYBEAN CRUSH	0	118	-100.0%	20	-100.0%
SOYBEAN MEAL	107,352	160,928	-33.3%	131,859	-18.6%
SOYBEAN OIL	72,269	73,937	-2.3%	83,940	-13.9%
SOYBN NEARBY+2 CAL SPRD	0	0	-	0	-
SOYMEAL NEARBY+2 CAL SPRD	450	0	-	450	0.0%
WHEAT	4,660	100	4,560.0%	4,317	7.9%
WHEAT-CORN ICSO	0	90	-100.0%	1,120	-100.0%
WHEAT NEARBY+2 CAL SPRD	622	5,137	-87.9%	622	0.0%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest FEB 2019	Open Interest FEB 2018	% CHG	Open Interest JAN 2019	% CHG
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	28,909,804	30,640,248	-5.6%	29,352,136	-1.5%
Equity Index Futures	4,293,171	4,821,741	-11.0%	4,157,058	3.3%
Metals Futures	1,175,691	1,231,062	-4.5%	1,178,425	-0.2%
Energy Futures	10,986,836	15,132,840	-27.4%	11,435,695	-3.9%
FX Futures	1,779,920	1,862,344	-4.4%	1,704,334	4.4%
Foreign Exchange Futures	0	2,185	-100.0%	0	-
Ags Futures	2,245	725	209.7%	2,340	-4.1%
Ag Products Futures	4,968,834	5,081,757	-2.2%	5,073,560	-2.1%
<b>TOTAL FUTURES</b>	<b>52,116,501</b>	<b>58,772,902</b>	<b>-11.3%</b>	<b>52,903,548</b>	<b>-1.5%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	59,345,520	55,483,755	7.0%	53,478,446	11.0%
Equity Index Options	4,091,716	5,069,850	-19.3%	4,241,267	-3.5%
Metals Options	1,460,876	1,144,682	27.6%	1,518,725	-3.8%
Energy Options	5,696,545	6,188,782	-8.0%	6,416,292	-11.2%
FX Options	688,383	876,923	-21.5%	661,437	4.1%
Foreign Exchange Options	78	34	129.4%	39	100.0%
Ag Products Options	2,722,156	2,945,948	-7.6%	3,001,364	-9.3%
<b>TOTAL OPTIONS</b>	<b>74,005,274</b>	<b>71,709,974</b>	<b>3.2%</b>	<b>69,317,570</b>	<b>6.8%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	88,255,324	86,124,003	2.5%	82,830,582	6.5%
Equity Index	8,384,887	9,891,591	-15.2%	8,398,325	-0.2%
Metals	2,636,567	2,375,744	11.0%	2,697,150	-2.2%
Energy	16,683,381	21,321,622	-21.8%	17,851,987	-6.5%
FX	2,468,303	2,739,267	-9.9%	2,365,771	4.3%
Foreign Exchange	78	2,219	-96.5%	39	100.0%
Ags	2,245	725	209.7%	2,340	-4.1%
Ag Products	7,690,990	8,027,705	-4.2%	8,074,924	-4.8%
<b>GRAND TOTAL</b>	<b>126,121,775</b>	<b>130,482,876</b>	<b>-3.3%</b>	<b>122,221,118</b>	<b>3.2%</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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