

CME Group Exchange Open Interest Report - Monthly

	Open Interest DEC 2018	Open Interest DEC 2017	% CHG	Open Interest NOV 2018	% CHG
Interest Rate Futures					
10-YR NOTE	4,044,615	3,231,028	25.2%	4,197,603	-3.6%
10-YR SWAP RATE	103,373	25,411	306.8%	30,890	234.6%
15-YR SWAP RATE	5,350	0	-	0	-
1-MONTH EURODOLLAR	736	12,687	-94.2%	141	422.0%
20-YR SWAP RATE	136	0	-	0	-
2-YR NOTE	2,752,824	1,784,468	54.3%	2,698,882	2.0%
2-YR SWAP RATE	17,783	0	-	0	-
30-YR BOND	943,700	757,123	24.6%	999,208	-5.6%
30-YR SWAP RATE	1,342	132	916.7%	0	-
3-YR SWAP RATE	10,502	0	-	0	-
4-YR SWAP RATE	5,639	0	-	0	-
5-YR NOTE	4,697,085	3,100,571	51.5%	4,954,993	-5.2%
5-YR SWAP RATE	88,400	21,479	311.6%	17,579	402.9%
7-YR SWAP	0	0	-	0	-
7-YR SWAP RATE	10,002	0	-	0	-
EURODOLLARS	12,690,588	12,687,623	0.0%	14,275,452	-11.1%
FED FUND	2,290,116	1,489,243	53.8%	2,051,535	11.6%
SOFR	73,420	0	-	55,832	31.5%
SONIA	9,405	0	-	7,448	26.3%
Ultra 10-Year Note	712,116	516,915	37.8%	686,869	3.7%
ULTRA T-BOND	1,091,060	875,576	24.6%	1,121,760	-2.7%
Interest Rate Options					
10-YR NOTE	3,370,537	2,342,971	43.9%	3,615,812	-6.8%
2-YR NOTE	182,207	287,229	-36.6%	141,463	28.8%
30-YR BOND	922,842	616,328	49.7%	845,854	9.1%
5-YR NOTE	1,906,317	986,661	93.2%	1,911,759	-0.3%
EURODOLLARS	28,236,926	21,832,135	29.3%	31,291,739	-9.8%
EURO MIDCURVE	13,004,622	13,695,133	-5.0%	18,090,323	-28.1%
FED FUND	1,944	565	244.1%	905	114.8%
Ultra 10-Year Note	60	0	-	60	0.0%
ULTRA T-BOND	38,378	6,863	459.2%	23,174	65.6%

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Equity Index Futures					
BITCOIN FUTURES	3,708	728	409.3%	3,401	9.0%
DJ US REAL ESTATE	32,375	17,918	80.7%	28,451	13.8%
E-mini (\$5) Dow	73,850	146,087	-49.4%	78,302	-5.7%
E-mini FTSE 100 (USD)	2	1	100.0%	20	-90.0%
E-mini FTSE China 50	343	182	88.5%	338	1.5%
E-MINI MIDCAP	69,805	90,498	-22.9%	64,158	8.8%
E-MINI NASDAQ 100	208,461	280,720	-25.7%	239,000	-12.8%
E-MINI RUSSELL 1000	7,644	7,141	7.0%	8,733	-12.5%
E-MINI RUSSELL 1000 GROWTH	2,678	3,815	-29.8%	2,513	6.6%
E-MINI RUSSELL 1000 VALUE	18,895	10,350	82.6%	7,509	151.6%
E-MINI RUSSELL 2000	471,020	588,495	-20.0%	469,334	0.4%
E-MINI S&P500	2,694,397	3,014,101	-10.6%	3,054,193	-11.8%
E-MINI S&P REAL ESTATE SELE	5,938	4,506	31.8%	4,471	32.8%
FT-SE 100	29	44	-34.1%	93	-68.8%
FTSE Emerging	56	5	1,020.0%	86	-34.9%
IBOVESPA INDEX	195	388	-49.7%	203	-3.9%
NASDAQ BIOTECH	0	99	-100.0%	656	-100.0%
NIFTY 50	0	574	-100.0%	0	-
NIKKEI 225 (\$) STOCK	20,465	40,638	-49.6%	32,640	-37.3%
NIKKEI 225 (YEN) STOCK	61,919	53,534	15.7%	66,635	-7.1%
S&P 500	251,104	82,695	203.7%	306,516	-18.1%
S&P 500/GI	10	13	-23.1%	10	0.0%
S&P 500/VALUE	64,970	93,090	-30.2%	114,310	-43.2%
S&P 600 SMALLCAP EMINI	0	0	-	0	-
S&P CONSUMER DSCRTNRY SE	2,891	4,531	-36.2%	5,318	-45.6%
S&P CONSUMER STAPLES SECT	14,599	20,018	-27.1%	12,690	15.0%
S&P ENERGY SECTOR	11,865	10,287	15.3%	15,822	-25.0%
S&P FINANCIAL SECTOR	16,003	34,087	-53.1%	30,445	-47.4%
S&P HEALTH CARE SECTOR	17,465	7,227	141.7%	19,404	-10.0%
S&P INDUSTRIAL SECTOR	13,978	4,058	244.5%	16,559	-15.6%
S&P MATERIALS SECTOR	5,442	5,321	2.3%	11,453	-52.5%
S&P TECHNOLOGY SECTOR	8,537	11,131	-23.3%	12,755	-33.1%
S&P UTILITIES SECTOR	18,940	23,987	-21.0%	15,468	22.4%
YEN DENOMINATED TOPIX	274	0	-	242	13.2%

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Equity Index Options					
E-mini (\$5) Dow	7,061	8,536	-17.3%	11,490	-38.5%
E-MINI MIDCAP	0	0	-	0	-
E-MINI NASDAQ 100	34,598	46,555	-25.7%	79,246	-56.3%
E-MINI RUSSELL 2000	3,371	1,102	205.9%	16,486	-79.6%
E-MINI S&P500	1,551,300	1,436,232	8.0%	2,797,851	-44.6%
EOM E-MINI RUSSELL 2000 END	248	877	-71.7%	2,722	-90.9%
EOM EMINI S&P	605,115	656,617	-7.8%	650,116	-6.9%
EOM S&P 500	24,956	59,904	-58.3%	46,503	-46.3%
EOW1 E-MINI RUSSELL 2000 WE	137	299	-54.2%	760	-82.0%
EOW1 E-MINI RUSSELL 2000 WE	442	403	9.7%	1,237	-64.3%
EOW1 EMINI S&P 500	251,017	419,925	-40.2%	344,476	-27.1%
EOW1 S&P 500	18,107	109,174	-83.4%	12,525	44.6%
EOW2 E-MINI RUSSELL 2000 WE	639	331	93.1%	751	-14.9%
EOW2 EMINI S&P 500	118,167	147,454	-19.9%	145,789	-18.9%
EOW2 S&P 500	7,106	10,981	-35.3%	3,816	86.2%
EOW3 E-MINI RUSSELL 2000 WE	6,938	9,153	-24.2%	4,805	44.4%
EOW3 EMINI S&P 500	1,099,896	1,319,864	-16.7%	488,645	125.1%
EOW3 S&P 500	97,098	232,538	-58.2%	53,292	82.2%
EOW4 E-MINI RUSSELL 2000 WE	0	24	-100.0%	82	-100.0%
EOW4 EMINI S&P 500	35,718	38,650	-7.6%	41,735	-14.4%
S&P 500	46,320	43,074	7.5%	186,661	-75.2%
Metals Futures					
ALUMINUM	64,647	64,413	0.4%	68,109	-5.1%
COMEX COPPER	224,956	285,342	-21.2%	215,249	4.5%
COMEX E-Mini GOLD	1,007	761	32.3%	1,000	0.7%
COMEX E-Mini SILVER	206	113	82.3%	143	44.1%
COMEX GOLD	451,832	494,896	-8.7%	388,430	16.3%
COMEX MINY COPPER	33	273	-87.9%	37	-10.8%
COMEX SILVER	176,289	194,009	-9.1%	184,700	-4.6%
COPPER	13,230	7,736	71.0%	13,325	-0.7%
E-MICRO GOLD	10,532	7,436	41.6%	9,130	15.4%
FERROUS PRODUCTS	4,120	615	569.9%	4,096	0.6%
GOLD	0	0	-	0	-
Gold Kilo	0	0	0.0%	0	-
IRON ORE 62 CHINA PLATTS FU	80	2,720	-97.1%	160	-50.0%
IRON ORE 62 CHINA TSI FUTURE	8,697	11,385	-23.6%	9,478	-8.2%
LNDN ZINC	28	11	154.5%	25	12.0%
METALS	0	0	-	0	-
NYMEX HOT ROLLED STEEL	13,978	12,487	11.9%	15,800	-11.5%
NYMEX PLATINUM	82,839	82,135	0.9%	74,698	10.9%
PALLADIUM	26,781	37,419	-28.4%	24,971	7.2%
SILVER	1,191	1,248	-4.6%	2,118	-43.8%
URANIUM	4,108	3,900	5.3%	4,782	-14.1%

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Metals Options					
COMEX COPPER	17,984	11,891	51.2%	15,787	13.9%
COMEX GOLD	1,171,325	823,512	42.2%	1,080,006	8.5%
COMEX SILVER	221,151	116,700	89.5%	210,531	5.0%
COPPER	6	0	-	115	-94.8%
GOLD	14,380	6,264	129.6%	9,112	57.8%
HOT ROLLED COIL STEEL CALL	300	1,530	-80.4%	400	-25.0%
IRON ORE 62 CHINA TSI CALL O	328	6,000	-94.5%	536	-38.8%
IRON ORE 62 CHINA TSI PUT OP	70	3,530	-98.0%	80	-12.5%
NYMEX PLATINUM	4,413	5,079	-13.1%	5,945	-25.8%
PALLADIUM	1,124	3,406	-67.0%	834	34.8%
SILVER	580	4	14,400.0%	1,113	-47.9%
Energy Futures					
3.5% FUEL OIL CID MED SWA	88	167	-47.3%	133	-33.8%
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	68	152	-55.3%	68	0.0%
AEP-DAYTON HUB MTHLY	0	70	-100.0%	0	-
AEP-DAYTON HUB OFF-PEAK M	0	50	-100.0%	0	-
ALGON CITY GATES NAT GAS	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	0	90	-100.0%	0	-
ANR LOUISIANA BASIS SWAP	0	0	-	0	-
ANR OKLAHOMA	180	1,703	-89.4%	273	-34.1%
APPALACHIAN COAL (PHY)	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	41,645	59,466	-30.0%	39,993	4.1%
ARGUS PROPAN FAR EST INDE	4,846	3,330	45.5%	5,290	-8.4%
ARGUS PROPAN(SAUDI ARAMC	2,074	918	125.9%	2,448	-15.3%
AUSTRIALIAN COKE COAL	72	380	-81.1%	96	-25.0%
BRENT BALMO SWAP	0	0	-	0	-
BRENT CALENDAR SWAP	21,050	15,733	33.8%	21,164	-0.5%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	158	3,370	-95.3%	1,158	-86.4%
BRENT OIL LAST DAY	211,938	172,294	23.0%	221,956	-4.5%
CAISO SP15 EZGNHUB5 MW P	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	0	77	-100.0%	0	-
CENTERPOINT BASIS SWAP	2,226	9,545	-76.7%	2,769	-19.6%
CENTERPOINT EAST INDEX	0	0	-	0	-
CEU ENERGY	625	0	-	426	46.7%
CHICAGO ETHANOL SWAP	49,872	59,409	-16.1%	52,410	-4.8%
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	2,228	913	144.0%	1,657	34.5%
CHICAGO UNL GAS PL VS RBO	125	3	4,066.7%	0	-
CIG BASIS	6,669	23,054	-71.1%	7,938	-16.0%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	10	120	-91.7%	20	-50.0%
CINERGY HUB PEAK MONTH	24	288	-91.7%	48	-50.0%
CIN HUB 5MW D AH O PK	0	150,080	-100.0%	0	0.0%
CIN HUB 5MW D AH PK	2,576	8,278	-68.9%	2,411	6.8%
CIN HUB 5MW REAL TIME O P	149,704	472,840	-68.3%	179,384	-16.5%

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Energy Futures					
CIN HUB 5MW REAL TIME PK	18,374	38,474	-52.2%	20,034	-8.3%
COAL SWAP	70	160	-56.3%	80	-12.5%
COLUMB GULF MAINLINE NG B	773	4,686	-83.5%	615	25.7%
COLUMBIA GULF MAIN NAT G	0	0	-	0	-
COLUMBIA GULF ONSHORE	0	0	-	0	-
CONWAY NATURAL GASOLINE (1,324	1,106	19.7%	1,356	-2.4%
CONWAY NORMAL BUTANE (OPI	988	1,810	-45.4%	1,309	-24.5%
CONWAY PROPANE 5 DECIMALS	22,406	16,714	34.1%	24,158	-7.3%
CRUDE OIL	24,456	17,836	37.1%	24,016	1.8%
CRUDE OIL OUTRIGHTS	133,749	98,713	35.5%	133,572	0.1%
CRUDE OIL PHY	2,115,703	2,463,668	-14.1%	2,061,069	2.7%
CRUDE OIL SPRDS	144,521	99,372	45.4%	144,976	-0.3%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	192,593	337,602	-43.0%	166,447	15.7%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	3,415	10,005	-65.9%	3,565	-4.2%
DEMARC INDEX FUTURE	0	0	-	0	-
DEMARC SWING SWAP	0	0	-	0	-
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	0	0	-	0	-
DLY GAS EURO-BOB OXY	0	0	-	0	-
DOMINION TRAN INC - APP I	248	2,920	-91.5%	488	-49.2%
DOMINION TRANSMISSION INC	12,962	29,811	-56.5%	13,799	-6.1%
DUBAI CRUDE OIL BALMO	0	50	-100.0%	0	-
DUBAI CRUDE OIL CALENDAR	37,694	10,780	249.7%	40,608	-7.2%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	0	265	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	42	65	-35.4%	42	0.0%
EIA FLAT TAX ONHWAY DIESE	1,719	2,779	-38.1%	1,785	-3.7%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	0	-	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	1,064	1,634	-34.9%	1,106	-3.8%
ELEC MISO PEAK	300	3,905	-92.3%	615	-51.2%
ELEC NYISO OFF-PEAK	6,360	71,896	-91.2%	12,135	-47.6%
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	74,932	30,184	148.3%	75,702	-1.0%
ELEC WEST POWER OFF-PEAK	0	0	-	0	-
ELEC WEST POWER PEAK	0	0	-	0	-
EL PASO PERMIAN INDEX SWA	0	0	-	0	-
ERCOT DAILY 5MW PEAK	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW	0	3,880	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	8,400	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	155,520	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PE	0	5,980	-100.0%	0	-
ETHANOL	2,822	2,624	7.5%	2,879	-2.0%
ETHANOL SWAP	400	0	-	390	2.6%
ETHANOL T2 FOB ROTT INCL DU	5,984	5,988	-0.1%	6,224	-3.9%
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	98	171	-42.7%	235	-58.3%
EURO 3.5% FUEL OIL SPREAD	43	379	-88.7%	46	-6.5%

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Energy Futures					
EURO-DENOMINATED PETRO P	0	0	-	0	-
EURO GASOIL 10 CAL SWAP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	82	245	-66.5%	104	-21.2%
EUROPE 1% FUEL OIL NWE CA	241	53	354.7%	258	-6.6%
EUROPE 1% FUEL OIL RDAM C	3	0	-	3	0.0%
EUROPE 3.5% FUEL OIL MED	95	571	-83.4%	186	-48.9%
EUROPE 3.5% FUEL OIL RDAM	9,061	10,475	-13.5%	9,559	-5.2%
EUROPEAN GASOIL (ICE)	113	858	-86.8%	222	-49.1%
EUROPEAN NAPHTHA BALMO	40	267	-85.0%	184	-78.3%
EUROPEAN NAPHTHA CRACK SP	16,059	11,481	39.9%	18,168	-11.6%
EUROPE DATED BRENT SWAP	4,500	662	579.8%	4,720	-4.7%
EUROPE JET KERO NWE CALSW	27	54	-50.0%	30	-10.0%
EUROPE NAPHTHA CALSWAP	3,406	2,732	24.7%	4,144	-17.8%
EURO PROPANE CIF ARA SWA	1,990	1,358	46.5%	2,160	-7.9%
FL GAS ZONE 3 NAT GAS IND	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	4,001	649	516.5%	4,183	-4.4%
FUEL OIL CRACK VS ICE	8,660	14,030	-38.3%	9,823	-11.8%
FUEL OIL NWE CRACK VS ICE	171	0	-	171	0.0%
FUEL OIL (PLATS) CAR CM	14	3	366.7%	28	-50.0%
FUEL OIL (PLATS) CAR CN	25	0	-	50	-50.0%
FUELOIL SWAP:CARGOES VS.B	889	831	7.0%	674	31.9%
GAS EURO-BOB OXY NWE BARG	5,912	3,663	61.4%	5,919	-0.1%
GAS EURO-BOB OXY NWE BARG	30,947	27,644	11.9%	33,497	-7.6%
GASOIL 0.1 BRGS FOB VS IC	0	0	-	0	-
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	0	5	-100.0%	0	-
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-
GASOIL 0.1 CRG CIF NW VS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	12	204	-94.1%	24	-50.0%
GASOIL 0.1 ROTTERDAM BARG	46	60	-23.3%	71	-35.2%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	59	657	-91.0%	97	-39.2%
GASOIL BULLET SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	8	8	0.0%	10	-20.0%
GASOIL CRACK SPREAD CALEN	15,272	19,382	-21.2%	16,830	-9.3%
GASOIL MINI CALENDAR SWAP	1,314	514	155.6%	1,382	-4.9%
GASOLINE UP-DOWN BALMO SW	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	51	25	104.0%	70	-27.1%
GROUP THREE UNLEAD GAS (P	125	0	-	175	-28.6%
GRP THREE ULSD(PLT)VS HEA	6,430	12,997	-50.5%	7,474	-14.0%
GRP THREE UNL GS (PLT) VS	5,114	4,435	15.3%	4,759	7.5%
GULF COAST 3% FUEL OIL BA	436	4,130	-89.4%	703	-38.0%
GULF COAST GASOLINE CLNDR	0	0	-	0	-
GULF COAST JET FUEL CLNDR	898	911	-1.4%	869	3.3%
GULF COAST JET VS NYM 2 H	25,090	27,091	-7.4%	28,964	-13.4%
GULF COAST NO.6 FUEL OIL	40,266	52,891	-23.9%	39,293	2.5%
GULF COAST ULSD CALENDAR	1,654	2,091	-20.9%	1,638	1.0%
GULF COAST ULSD CRACK SPR	635	760	-16.4%	685	-7.3%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
HEATING OIL BALMO CLNDR S	0	161	-100.0%	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	368,303	439,305	-16.2%	364,275	1.1%
HENRY HUB BASIS SWAP	10,120	3,172	219.0%	10,244	-1.2%
HENRY HUB FINANCIAL LAST	0	74	-100.0%	3	-100.0%
HENRY HUB INDEX SWAP FUTU	10,120	1,929	424.6%	16,720	-39.5%
HENRY HUB SWAP	1,053,368	1,232,637	-14.5%	1,034,914	1.8%
HENRY HUB SWING FUTURE	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	11,324	18,651	-39.3%	11,789	-3.9%
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-
HTG OIL	167	269	-37.9%	180	-7.2%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
ICE BRENT DUBAI SWAP	36,755	45,877	-19.9%	40,144	-8.4%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	0	3,698	-100.0%	2,450	-100.0%
INDIANA MISO	18,911	39,883	-52.6%	26,712	-29.2%
INDONESIAN COAL	0	0	-	0	-
INDONESIAN COAL ICI4	110	0	-	260	-57.7%
ISO NEW ENGLAND OFF-PEAK	0	14	-100.0%	0	-
ISO NEW ENGLAND PK LMP	0	17	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	186	2,105	-91.2%	251	-25.9%
JAPAN C&F NAPHTHA SWAP	2,180	2,032	7.3%	2,656	-17.9%
JAPAN NAPHTHA BALMO SWAP	9	8	12.5%	20	-55.0%
JET AV FUEL (P) CAR FM ICE GA	2	29	-93.1%	4	-50.0%
JET BARGES VS ICE GASOIL	0	0	-	0	-
JET CIF NWE VS ICE	377	542	-30.4%	360	4.7%
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	4,730	3,565	32.7%	5,075	-6.8%
LA CARB DIESEL (OPIS)	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	399	250	59.6%	340	17.4%
LA CARBOB GASOLINE(OPIS)S	700	625	12.0%	810	-13.6%
LA JET FUEL VS NYM NO 2 H	0	0	-	0	-
LA JET (OPIS) SWAP	1,429	1,750	-18.3%	1,689	-15.4%
LLS (ARGUS) CALENDAR SWAP	521	0	-	542	-3.9%
LLS (ARGUS) VS WTI SWAP	31,924	23,148	37.9%	32,865	-2.9%
LOS ANGELES CARB GASOLINE	10	0	-	10	0.0%
LTD NAT GAS	468,265	389,877	20.1%	489,683	-4.4%
MARS (ARGUS) VS WTI SWAP	3,890	8,289	-53.1%	5,990	-35.1%
MARS (ARGUS) VS WTI TRD M	23,535	26,245	-10.3%	20,520	14.7%
MARS BLEND CRUDE OIL	0	1,520	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	27,091	48,653	-44.3%	28,906	-6.3%
MCCLOSKEY RCH BAY COAL	3,148	5,743	-45.2%	3,467	-9.2%
MGF FUT	40	38	5.3%	50	-20.0%
MGN1 SWAP FUT	402	291	38.1%	374	7.5%
MICHCON NG INDEX SWAP	0	0	-	0	-
MICHIGAN BASIS	2,128	5,355	-60.3%	2,413	-11.8%
MICHIGAN MISO	3,108	54,725	-94.3%	5,943	-47.7%
MINI GAS EUROBOB OXY NWE A	104	668	-84.4%	347	-70.0%
MINI RBOB V. EBOBARG NWE BF	358	120	198.3%	0	-
MINI RBOB V. EBOB(ARGUS) NW	2,851	2,139	33.3%	3,172	-10.1%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
MINY HTG OIL	1	1	0.0%	0	-
MINY NATURAL GAS	2,302	2,857	-19.4%	2,815	-18.2%
MINY RBOB GAS	0	0	-	0	-
MINY WTI CRUDE OIL	5,353	4,859	10.2%	5,664	-5.5%
MJC FUT	350	650	-46.2%	365	-4.1%
MNC FUT	5,994	3,448	73.8%	7,315	-18.1%
MONT BELVIEU ETHANE 5 DECI	42,694	57,105	-25.2%	40,260	6.0%
MONT BELVIEU ETHANE OPIS B	210	335	-37.3%	80	162.5%
MONT BELVIEU LDH PROPANE 5	117,906	114,064	3.4%	127,330	-7.4%
MONT BELVIEU LDH PROPANE C	2,197	1,292	70.0%	1,806	21.7%
MONT BELVIEU NATURAL GASO	19,319	17,416	10.9%	20,996	-8.0%
MONT BELVIEU NATURAL GASO	565	323	74.9%	40	1,312.5%
MONT BELVIEU NORMAL BUTAN	41,891	41,503	0.9%	48,111	-12.9%
MONT BELVIEU NORMAL BUTAN	851	613	38.8%	790	7.7%
NAT GAS BASIS SWAP	2,555	5,835	-56.2%	2,803	-8.8%
NATURAL GAS	100,806	115,797	-12.9%	102,224	-1.4%
NATURAL GAS FIXED PRICE SW	0	0	-	0	-
NATURAL GAS INDEX	0	0	-	0	-
NATURAL GAS PEN SWP	151,155	183,405	-17.6%	165,463	-8.6%
NATURAL GAS PHY	1,233,590	1,438,202	-14.2%	1,264,167	-2.4%
NEPOOL CNCTCT 5MW D AH O	0	424	-100.0%	0	-
NEPOOL CONECTIC 5MW D AH	0	20	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	450,268	537,852	-16.3%	464,564	-3.1%
NEPOOL NE MASS 5MW D AH O	14,040	14,040	0.0%	14,040	0.0%
NEPOOL NE MASS 5MW D AH P	765	765	0.0%	765	0.0%
NEPOOL NEW HAMP 5MW D AH	0	0	-	0	-
NEPOOL RHD ISLD 5MW D AH	0	100	-100.0%	0	-
NEPOOL RHODE IL 5MW D AH	0	2,120	-100.0%	0	-
NEPOOL SE MASS 5MW D AH O	0	0	-	0	-
NEPOOL SE MASS 5MW D AH P	0	0	-	0	-
NEPOOL W CNT MASS 5MW D A	0	848	-100.0%	0	-
NEPOOL W CNTR M 5MW D AH	0	40	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	1,782	1,694	5.2%	2,239	-20.4%
NEW YORK ETHANOL SWAP	923	2,090	-55.8%	1,002	-7.9%
NEW YORK HUB ZONE G PEAK	1,716	1,881	-8.8%	2,232	-23.1%
NEW YORK HUB ZONE J PEAK	990	1,221	-18.9%	620	59.7%
NGPL MID-CONTINENT	15,350	22,143	-30.7%	16,527	-7.1%
NGPL MIDCONTINENT INDEX	0	0	-	0	-
NGPL MIDCONTINENT SWING S	0	0	-	0	-
NGPL TEX/OK	28,501	21,876	30.3%	28,866	-1.3%
NGPL TEXOK INDEX	0	0	-	0	-
N ILLINOIS HUB DAILY	178	240	-25.8%	178	0.0%
N ILLINOIS HUB MTHLY	0	20	-100.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	150	100	50.0%	0	-
NORTHERN NATURAL GAS DEMA	428	1,896	-77.4%	436	-1.8%
NORTHERN NATURAL GAS VENTL	1,344	1,494	-10.0%	1,364	-1.5%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	16,579	38,605	-57.1%	18,346	-9.6%
N ROCKIES PIPE SWAP	59	181	-67.4%	59	0.0%
NY1% VS GC SPREAD SWAP	3,240	5,218	-37.9%	2,070	56.5%
NY 2.2% FUEL OIL (PLATTS)	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NY 3.0% FUEL OIL (PLATTS	110	150	-26.7%	100	10.0%
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	11,031	6,837	61.3%	13,450	-18.0%
NY HARBOR LOW SULPUR GAS	700	390	79.5%	815	-14.1%
NY HARBOR RESIDUAL FUEL 1	2,129	4,048	-47.4%	1,883	13.1%
NY HARBOR RESIDUAL FUEL C	50	0	-	50	0.0%
NYH NO 2 CRACK SPREAD CAL	3,552	4,888	-27.3%	3,777	-6.0%
NY H OIL PLATTS VS NYMEX	0	0	-	0	-
NYISO A	0	0	-	0	-
NYISO A OFF-PEAK	0	0	-	0	-
NYISO CAPACITY	1,384	3,655	-62.1%	1,425	-2.9%
NYISO G	0	0	-	0	-
NYISO G OFF-PEAK	0	0	-	0	-
NYISO J	0	100	-100.0%	0	-
NYISO J OFF-PEAK	0	30	-100.0%	0	-
NYISO ZONE A 5MW D AH O P	32,571	69,392	-53.1%	38,451	-15.3%
NYISO ZONE A 5MW D AH PK	3,615	7,354	-50.8%	4,165	-13.2%
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	528,699	529,585	-0.2%	563,195	-6.1%
NYISO ZONE G 5MW D AH PK	20,243	23,750	-14.8%	21,167	-4.4%
NYISO ZONE J 5MW D AH O P	142,656	261,616	-45.5%	154,416	-7.6%
NYISO ZONE J 5MW D AH PK	11,281	18,191	-38.0%	12,051	-6.4%
NY JET FUEL (PLATTS) HEAT OIL	0	0	-	0	-
NYMEX ALUMINUM FUTURES	913	726	25.8%	1,023	-10.8%
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	90	608	-85.2%	129	-30.2%
ONEOK OKLAHOMA NG BASIS	0	730	-100.0%	62	-100.0%
ONTARIO POWER SWAPS	0	1,715	-100.0%	0	-
PANHANDLE BASIS SWAP FUTU	4,753	13,659	-65.2%	5,478	-13.2%
PANHANDLE INDEX SWAP FUTU	0	0	-	0	-
PANHANDLE PIPE SWAP	0	2,796	-100.0%	197	-100.0%
PERMIAN BASIS SWAP	4,812	9,916	-51.5%	5,060	-4.9%
PETROCHEMICALS	14,636	11,361	28.8%	16,999	-13.9%
PETRO CRCKS & SPRDS ASIA	947	1,365	-30.6%	694	36.5%
PETRO CRCKS & SPRDS NA	70,222	71,345	-1.6%	70,925	-1.0%
PETRO CRK&SPRD EURO	15,680	16,815	-6.7%	16,942	-7.4%
PETROLEUM PRODUCTS	9,107	7,720	18.0%	9,852	-7.6%
PETROLEUM PRODUCTS ASIA	2,176	1,794	21.3%	2,464	-11.7%
PETRO OUTRIGHT EURO	9,947	9,817	1.3%	10,429	-4.6%
PETRO OUTRIGHT NA	5,395	6,263	-13.9%	7,866	-31.4%
PJM AD HUB 5MW REAL TIME	249,991	345,750	-27.7%	260,431	-4.0%
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	29,060	-100.0%	0	-
PJM BGE DA OFF-PEAK	848	21,035	-96.0%	1,618	-47.6%
PJM BGE DA PEAK	40	1,145	-96.5%	82	-51.2%
PJM COMED 5MW D AH O PK	2,120	25,520	-91.7%	4,045	-47.6%
PJM COMED 5MW D AH PK	100	1,375	-92.7%	205	-51.2%

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Energy Futures					
PJM DAILY	782	946	-17.3%	622	25.7%
PJM DAYTON DA OFF-PEAK	68,160	124,171	-45.1%	70,120	-2.8%
PJM DAYTON DA PEAK	4,900	10,350	-52.7%	5,120	-4.3%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM MONTHLY	550	1,516	-63.7%	620	-11.3%
PJM NI HUB 5MW REAL TIME	99,690	720,675	-86.2%	155,326	-35.8%
PJM NILL DA OFF-PEAK	145,792	494,366	-70.5%	159,120	-8.4%
PJM NILL DA PEAK	9,087	27,373	-66.8%	9,945	-8.6%
PJM OFF-PEAK LMP SWAP FUT	40	538	-92.6%	80	-50.0%
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	90,455	70,100	29.0%	92,380	-2.1%
PJM PSEG DA PEAK	4,235	2,540	66.7%	4,235	0.0%
PJM WES HUB PEAK LMP 50 M	0	0	-	0	-
PJM WESTH DA OFF-PEAK	185,580	374,567	-50.5%	198,124	-6.3%
PJM WESTHDA PEAK	10,090	21,150	-52.3%	10,794	-6.5%
PJM WESTH RT OFF-PEAK	983,772	2,024,410	-51.4%	1,057,700	-7.0%
PJM WESTH RT PEAK	133,833	148,383	-9.8%	62,667	113.6%
PLASTICS	2,184	1,112	96.4%	1,984	10.1%
PREMIUM UNLND 10P FOB MED	713	343	107.9%	537	32.8%
PREMIUM UNLEAD 10PPM FOB	0	0	-	5	-100.0%
PREM UNL GAS 10PPM RDAM F	0	0	-	3	-100.0%
PREM UNL GAS 10PPM RDAM F	82	0	-	104	-21.2%
PROPANE NON-LDH MB (OPIS) B	1,757	325	440.6%	7	25,000.0%
PROPANE NON-LDH MT. BEL (OF	57,921	28,591	102.6%	60,778	-4.7%
RBOB CALENDAR SWAP	13,995	13,671	2.4%	17,042	-17.9%
RBOB CRACK SPREAD	4,074	4,895	-16.8%	4,477	-9.0%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	88	1,795	-95.1%	96	-8.3%
RBOB GASOLINE BALMO CLNDR	509	1,746	-70.8%	396	28.5%
RBOB PHY	390,737	383,668	1.8%	394,224	-0.9%
RBOB (PLATTS) CAL SWAP	0	0	-	0	-
RBOB SPREAD (PLATTS) SWAP	0	2	-100.0%	0	-
RBOB UP-DOWN CALENDAR SW	0	0	-	0	-
RBOB VS HEATING OIL SWAP	55	2,694	-98.0%	110	-50.0%
ROCKIES KERN OPAL - NW IN	0	0	-	0	-
SAN JUAN BASIS SWAP	7,712	20,278	-62.0%	8,642	-10.8%
SAN JUAN PIPE SWAP	216	0	-	288	-25.0%
SINGAPORE 180CST BALMO	16	100	-84.0%	10	60.0%
SINGAPORE 380CST BALMO	160	165	-3.0%	85	88.2%
SINGAPORE 380CST FUEL OIL	8,973	10,578	-15.2%	10,526	-14.8%
SINGAPORE FUEL 180CST CAL	575	1,227	-53.1%	699	-17.7%
SINGAPORE FUEL OIL SPREAD	474	710	-33.2%	635	-25.4%
SINGAPORE GASOIL	12,420	8,752	41.9%	10,498	18.3%
SINGAPORE GASOIL CALENDAR	418	736	-43.2%	408	2.5%
SINGAPORE GASOIL SWAP	6,695	9,104	-26.5%	6,750	-0.8%
SINGAPORE GASOIL VS ICE	31,773	2,206	1,340.3%	35,703	-11.0%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	8,790	1,195	635.6%	9,500	-7.5%

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Energy Futures					
SINGAPORE JET KEROSENE SW	2,925	1,783	64.0%	3,625	-19.3%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	296	545	-45.7%	50	492.0%
SINGAPORE MOGAS 92 UNLEAD	13,065	13,062	0.0%	15,286	-14.5%
SINGAPORE NAPHTHA BALMO	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SING FUEL	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
SONAT BASIS SWAP FUTURE	0	0	-	0	-
SOUTHERN NAT LA NAT GAS	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	0	120	-100.0%	10	-100.0%
Sumas Basis Swap	2,698	5,836	-53.8%	2,977	-9.4%
SUMAS NAT GAS PLATTS FIXED	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	265	200	32.5%	365	-27.4%
TC5 RAS TANURA TO YOKOHAM	1,205	75	1,506.7%	825	46.1%
TCO BASIS SWAP	4,932	11,259	-56.2%	4,479	10.1%
TCO NG INDEX SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	8,591	390	2,102.8%	7,886	8.9%
TENN 800 LEG NAT GAS INDE	0	0	-	0	-
TENNESSEE 500 LEG BASIS S	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	0	360	-100.0%	0	-
TETCO M-3 INDEX	0	0	-	0	-
Tetco STX Basis	0	730	-100.0%	62	-100.0%
TEXAS EASTERN ZONE M-3 BA	2,364	6,223	-62.0%	2,643	-10.6%
TEXAS GAS ZONE1 NG BASIS	0	5,760	-100.0%	484	-100.0%
Transco Zone 3 Basis	0	3,465	-100.0%	279	-100.0%
TRANSCO ZONE 3 NG INDEX S	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	3,172	9,415	-66.3%	3,513	-9.7%
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	180	2,498	-92.8%	242	-25.6%
TRANSCO ZONE 6 INDEX	0	0	-	0	-
UCM FUT	20	73	-72.6%	0	-
ULSD 10PPM CIF MED BALMO	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	0	32	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-
ULSD 10PPM CIF VS ICE GAS	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	3,600	8,950	-59.8%	7,571	-52.5%
UP DOWN GC ULSD VS NMX HO	41,595	38,866	7.0%	45,156	-7.9%
USGC UNL 87 CRACK SPREAD	0	0	-	0	-
WAHA BASIS	2,857	7,582	-62.3%	2,855	0.1%
WAHA INDEX SWAP FUTURE	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	0	470	-100.0%	0	-
WTI-BRENT BULLET SWAP	5,454	654	733.9%	5,979	-8.8%
WTI-BRENT CALENDAR SWAP	136,220	102,252	33.2%	137,707	-1.1%
WTI CALENDAR	163,218	157,168	3.8%	171,656	-4.9%
WTS (ARGUS) VS WTI SWAP	55,229	58,692	-5.9%	57,623	-4.2%
WTS (ARGUS) VS WTI TRD MT	4,568	4,433	3.0%	4,848	-5.8%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest DEC 2018	Open Interest DEC 2017	% CHG	Open Interest NOV 2018	% CHG
Energy Options					
12 MO GASOIL CAL SWAP SPR	0	0	-	0	-
1 MO GASOIL CAL SWAP SPR	0	0	-	0	-
BRENT 1 MONTH CAL	0	0	-	0	-
BRENT CALENDAR SWAP	7,337	3,579	105.0%	10,543	-30.4%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	36,000	0	-	33,000	9.1%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	259,892	130,088	99.8%	319,898	-18.8%
COAL API2 INDEX	245	410	-40.2%	195	25.6%
COAL API4 INDEX	0	30	-100.0%	0	0.0%
COAL SWAP	0	415	-100.0%	0	-
CRUDE OIL 1MO	486,700	377,664	28.9%	409,475	18.9%
CRUDE OIL APO	307,411	441,149	-30.3%	329,762	-6.8%
CRUDE OIL CALNDR STRIP	0	0	-	170	-100.0%
CRUDE OIL OUTRIGHTS	6,260	7,520	-16.8%	6,390	-2.0%
CRUDE OIL PHY	2,902,966	2,558,146	13.5%	3,120,478	-7.0%
ELEC FINSETTLED	0	0	-	0	-
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	0	-	0	-
ETHANOL SWAP	9,688	16,144	-40.0%	9,153	5.8%
EURO-DENOMINATED PETRO P	0	0	-	0	-
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	59,538	53,318	11.7%	50,738	17.3%
HENRY HUB FINANCIAL LAST	5,514	6,141	-10.2%	5,237	5.3%
HO 1 MONTH CLNDR OPTIONS	2,100	0	-	2,600	-19.2%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
LLS CRUDE OIL	0	4,300	-100.0%	300	-100.0%
MCCLOSKEY ARA ARGS COAL	45	850	-94.7%	90	-50.0%
MCCLOSKEY RCH BAY COAL	240	275	-12.7%	340	-29.4%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	84,759	131,862	-35.7%	72,510	16.9%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-
NATURAL GAS 3 M CSO FIN	0	31,201	-100.0%	0	-
NATURAL GAS 5 M CSO FIN	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	20,750	16,850	23.1%	17,100	21.3%
NATURAL GAS OPTION ON CALE	3,884	1,810	114.6%	20,502	-81.1%
NATURAL GAS PHY	2,108,022	2,337,560	-9.8%	2,393,529	-11.9%
NATURAL GAS WINTER STRIP	0	0	-	0	-
NG HH 3 MONTH CAL	0	0	-	0	-
N ROCKIES PIPE SWAP	2,974	4,987	-40.4%	3,408	-12.7%
NY HARBOR HEAT OIL SWP	16,470	14,024	17.4%	16,468	0.0%
NYISO ZONE G 5MW PEAK OPTI	0	2,800	-100.0%	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
NYMEX EUROPEAN GASOIL OPT	0	0	-	0	-
PANHANDLE PIPE SWAP	0	7,200	-100.0%	480	-100.0%
PETROCHEMICALS	5,723	6,134	-6.7%	6,850	-16.5%
PETRO OUTRIGHT EURO	0	50	-100.0%	0	-
PETRO OUTRIGHT NA	798	72	1,008.3%	564	41.5%

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CME Group Exchange Open Interest Report - Monthly

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Energy Options					
PJM MONTHLY	0	0	-	0	-
PJM WES HUB PEAK CAL MTH	660	1,550	-57.4%	2,110	-68.7%
PJM WES HUB PEAK LMP 50MW	1,787	12,130	-85.3%	2,579	-30.7%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	-
RBOB CALENDAR SWAP	205	75	173.3%	300	-31.7%
RBOB CRACK	2	0	-	2	0.0%
RBOB PHY	11,826	12,257	-3.5%	11,565	2.3%
ROTTERDAM 3.5%FUEL OIL CL	0	40	-100.0%	0	-
SAN JUAN PIPE SWAP	1,919	3,910	-50.9%	2,347	-18.2%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	300	-100.0%	750	-100.0%
SINGAPORE GASOIL CALENDAR	0	25	-100.0%	0	-
SINGAPORE JET FUEL CALEND	0	40	-100.0%	0	-
SOCAL PIPE SWAP	0	0	-	0	-
WTI-BRENT BULLET SWAP	104,434	226,666	-53.9%	105,044	-0.6%
WTI CRUDE OIL 1 M CSO FI	122,750	237,020	-48.2%	142,400	-13.8%
FX Futures					
AD/CD CROSS RATES	1	0	-	0	-
AD/JY CROSS RATES	775	945	-18.0%	1,133	-31.6%
AD/NE CROSS RATES	19	25	-24.0%	20	-5.0%
AUSTRALIAN DOLLAR	122,454	122,963	-0.4%	142,647	-14.2%
BDI	0	0	-	0	-
BP/JY CROSS RATES	486	351	38.5%	504	-3.6%
BP/SF CROSS RATES	32	23	39.1%	91	-64.8%
BRAZIL REAL	21,484	21,297	0.9%	14,611	47.0%
BRITISH POUND	211,407	211,660	-0.1%	230,046	-8.1%
CANADIAN DOLLAR	170,166	122,098	39.4%	150,491	13.1%
CD/JY CROSS RATES	0	0	-	100	-100.0%
CHINESE RENMINBI (CNH)	1,107	798	38.7%	1,487	-25.6%
CZECK KORUNA (EC)	0	0	-	0	-
CZECK KORUNA (US)	0	0	-	0	-
EC/AD CROSS RATES	2,002	1,513	32.3%	2,759	-27.4%
EC/CD CROSS RATES	2,362	1,549	52.5%	1,927	22.6%
EC/NOK CROSS RATES	84	30	180.0%	126	-33.3%
EC/SEK CROSS RATES	678	642	5.6%	712	-4.8%
EFX/BP CROSS RATES	28,256	39,176	-27.9%	36,775	-23.2%
EFX/JY CROSS RATES	28,352	27,316	3.8%	27,791	2.0%
EFX/SF CROSS RATES	10,135	17,473	-42.0%	10,459	-3.1%
E-MICRO AUD/USD	3,100	1,462	112.0%	2,151	44.1%
E-MICRO CAD/USD	1,911	1,083	76.5%	2,043	-6.5%
E-MICRO CHF/USD	169	115	47.0%	591	-71.4%
E-MICRO EUR/USD	5,960	6,858	-13.1%	11,592	-48.6%
E-MICRO GBP/USD	1,175	1,400	-16.1%	2,688	-56.3%
E-MICRO INR/USD	630	297	112.1%	361	74.5%
E-MICRO JPY/USD	989	873	13.3%	1,263	-21.7%
E-MICRO USD/CAD	0	0	-	0	-
E-MICRO USD/CHF	0	0	-	0	-
E-MICRO USD/CNH	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

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FX Futures					
E-MICRO USD/JPY	0	0	-	0	-
E-MINI EURO FX	13,620	12,980	4.9%	15,535	-12.3%
E-MINI JAPANESE YEN	610	350	74.3%	844	-27.7%
EURO FX	506,284	532,713	-5.0%	551,482	-8.2%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	0	-
INDIAN RUPEE	689	669	3.0%	1,133	-39.2%
JAPANESE YEN	216,278	232,376	-6.9%	225,250	-4.0%
KOREAN WON	164	117	40.2%	426	-61.5%
MEXICAN PESO	151,244	191,720	-21.1%	183,910	-17.8%
NEW ZEALND DOLLAR	29,640	45,227	-34.5%	54,924	-46.0%
NKR/USD CROSS RATE	1,760	873	101.6%	1,939	-9.2%
POLISH ZLOTY (EC)	1	16	-93.8%	9	-88.9%
POLISH ZLOTY (US)	45	98	-54.1%	80	-43.8%
RMB USD	0	16	-100.0%	5	-100.0%
RUSSIAN RUBLE	35,017	59,474	-41.1%	33,945	3.2%
S.AFRICAN RAND	14,969	12,720	17.7%	11,681	28.1%
SF/JY CROSS RATES	0	0	-	7	-100.0%
SHEKEL	0	496	-100.0%	0	-
SKR/USD CROSS RATES	1,411	1,700	-17.0%	1,540	-8.4%
SWISS FRANC	67,730	77,453	-12.6%	78,600	-13.8%
TURKISH LIRA	1,075	4,418	-75.7%	1,025	4.9%
USDZAR	0	1	-100.0%	0	-
FX Options					
AUD/USD PQO 2pm Fix	64,571	54,034	19.5%	76,755	-15.9%
AUSTRALIAN DLR (EU)	0	0	-	0	-
AUSTRALIAN DOLLAR	0	0	-	0	-
BRITISH POUND	0	0	-	0	-
BRITISH POUND (EU)	0	453	-100.0%	37	-100.0%
CAD/USD PQO 2pm Fix	65,694	72,919	-9.9%	67,754	-3.0%
CANADIAN DOLLAR	0	0	-	0	-
CANADIAN DOLLAR (EU)	0	35	-100.0%	0	-
CHF/USD PQO 2pm Fix	1,569	922	70.2%	2,635	-40.5%
EFX/JY CROSS RATES	0	0	-	0	-
EURO FX	0	0	-	0	-
EURO FX (EU)	0	37	-100.0%	10	-100.0%
EUR/USD PQO 2pm Fix	224,235	294,121	-23.8%	267,681	-16.2%
GBP/USD PQO 2pm Fix	165,419	133,586	23.8%	223,945	-26.1%
JAPANESE YEN	0	0	-	0	-
JAPANESE YEN (EU)	0	15	-100.0%	0	-
JPY/USD PQO 2pm Fix	113,276	100,985	12.2%	124,525	-9.0%
MEXICAN PESO	2,714	2,101	29.2%	3,561	-23.8%
NEW ZEALND DOLLAR	1,000	0	-	1,006	-0.6%
RUSSIAN RUBLE	0	0	-	0	-
SWISS FRANC	0	0	-	0	-
SWISS FRANC (EU)	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

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Foreign Exchange Futures					
CHILEAN PESO	0	2,760	-100.0%	95	-100.0%
Foreign Exchange Options					
AUD/USD PQO 2pm Fix	1	1	0.0%	24	-95.8%
Ags Futures					
FERTILIZER PRODUCTS	1,435	400	258.8%	2,320	-38.1%

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CME Group Exchange Open Interest Report - Monthly

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Ag Products Futures					
BUTTER CS	7,616	5,691	33.8%	7,200	5.8%
CASH-SETTLED CHEESE	26,471	28,613	-7.5%	27,540	-3.9%
CAT EURO SEASONAL STRIP	0	0	-	0	-
CATTLE	376,468	335,368	12.3%	339,935	10.7%
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	444,412	526,746	-15.6%	442,960	0.3%
CLASS IV MILK	4,873	1,889	158.0%	3,596	35.5%
COCOA TAS	0	4	-100.0%	0	-
COFFEE	0	0	-	0	-
CORN	1,593,526	1,541,851	3.4%	1,550,230	2.8%
COTTON	1	1	0.0%	0	-
DJ_UBS ROLL SELECT INDEX FU	1,867	659	183.3%	1,917	-2.6%
DOW-UBS COMMOD INDEX	32,552	60,007	-45.8%	39,131	-16.8%
DRY WHEY	3,903	4,095	-4.7%	4,483	-12.9%
FEEDER CATTLE	48,048	51,917	-7.5%	49,763	-3.4%
FERTILIZER PRODUCTS	2,895	2,390	21.1%	3,605	-19.7%
GOLDMAN SACHS	15,267	14,085	8.4%	15,433	-1.1%
GSCI EXCESS RETURN FUT	57,942	57,053	1.6%	55,509	4.4%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	50	0	-	50	0.0%
HDD WEATHER	1,750	7,738	-77.4%	4,700	-62.8%
HDD WEATHER EUROPEAN	5,450	0	-	10,900	-50.0%
HOGS	218,056	243,562	-10.5%	219,219	-0.5%
HOUSING INDEX	37	34	8.8%	32	15.6%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	294,637	330,541	-10.9%	285,592	3.2%
LUMBER	3,966	6,179	-35.8%	3,941	0.6%
MALAYSIAN PALM SWAP	19,936	20,592	-3.2%	21,348	-6.6%
MILK	28,878	26,684	8.2%	30,657	-5.8%
MINI CORN	8,446	8,491	-0.5%	6,854	23.2%
MINI SOYBEAN	9,939	9,995	-0.6%	11,649	-14.7%
MINI WHEAT	2,142	1,959	9.3%	1,936	10.6%
MLK MID OPTIONS	0	0	-	0	-
NFD MILK	7,383	7,598	-2.8%	6,911	6.8%
OATS	5,083	6,546	-22.3%	5,886	-13.6%
PALM OIL	0	0	-	0	-
ROUGH RICE	7,241	10,001	-27.6%	7,962	-9.1%
SOYBEAN	665,230	708,342	-6.1%	726,553	-8.4%
SOYBEAN MEAL	427,777	376,516	13.6%	465,140	-8.0%
SOYBEAN OIL	474,539	443,675	7.0%	524,252	-9.5%
S&P GSCI ENHANCED ER SWAP	3,762	15,028	-75.0%	3,762	0.0%
SUGAR 11	0	0	-	0	-
USD CRUDE PALM OIL	3,050	4,870	-37.4%	3,310	-7.9%
WHEAT	25,336	1,012	2,403.6%	27,815	-8.9%
Ag Products Options					
AUG-DEC SOYBEAN MEAL CSO	0	0	-	0	-
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-

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Ag Products Options					
BUTTER CS	11,955	9,668	23.7%	11,993	-0.3%
CASH-SETTLED CHEESE	36,307	49,446	-26.6%	32,915	10.3%
CATTLE	149,152	163,729	-8.9%	186,007	-19.8%
CDD SEASONAL STRIP	0	0	-	0	-
CDD WEATHER	0	0	-	0	-
CHI WHEAT	321,972	304,916	5.6%	261,364	23.2%
CLASS IV MILK	6,620	4,587	44.3%	5,430	21.9%
CORN	939,097	1,003,718	-6.4%	921,935	1.9%
CORN NEARBY+2 CAL SPRD	8,740	100	8,640.0%	1,050	732.4%
DEC-DEC CORN CAL SPRD	0	76	-100.0%	0	-
DEC-JULY CORN CAL SPRD	0	0	-	0	-
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
DRY WHEY	2,422	3,649	-33.6%	2,741	-11.6%
FEEDER CATTLE	28,639	35,728	-19.8%	23,992	19.4%
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	100	0	-	350	-71.4%
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	190,626	133,672	42.6%	267,900	-28.8%
HOUSING INDEX	0	17	-100.0%	0	-
Intercommodity Spread	0	0	-	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	1,545	400	286.3%	1,025	50.7%
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	200	0	-	200	0.0%
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	4,921	550	794.7%	4,857	1.3%
KC WHEAT	79,111	44,581	77.5%	51,387	54.0%
LUMBER	1,532	1,376	11.3%	2,394	-36.0%
LV CATL CSO	29	5	480.0%	203	-85.7%
MAR-JULY CORN CAL SPRD	0	70	-100.0%	0	-
MAR-JULY WHEAT CAL SPRD	1,730	845	104.7%	0	-
MILK	84,259	84,400	-0.2%	84,106	0.2%
MLK MID OPTIONS	198	405	-51.1%	235	-15.7%
NFD MILK	15,795	15,879	-0.5%	15,589	1.3%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-
NOV-NOV SOYBEAN CAL SPRD	0	0	-	0	-
OATS	1,036	1,180	-12.2%	742	39.6%
ROUGH RICE	2,034	685	196.9%	2,542	-20.0%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-
SOYBEAN	445,758	422,556	5.5%	574,655	-22.4%
SOYBEAN CRUSH	20	126	-84.1%	20	0.0%
SOYBEAN MEAL	100,052	99,646	0.4%	109,818	-8.9%
SOYBEAN OIL	67,281	75,650	-11.1%	67,041	0.4%
SOYBN NEARBY+2 CAL SPRD	0	0	-	0	-
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	240	-100.0%
WHEAT	2,385	0	0.0%	3,562	-33.0%
WHEAT-CORN ICSCO	595	3,016	-80.3%	595	0.0%
WHEAT NEARBY+2 CAL SPRD	412	5,385	-92.3%	252	63.5%

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

	Open Interest DEC 2018	Open Interest DEC 2017	% CHG	Open Interest NOV 2018	% CHG
TOTAL FUTURES GROUP					
Interest Rate Futures	29,548,192	24,502,256	20.6%	31,098,192	-5.0%
Equity Index Futures	4,097,858	4,556,269	-10.1%	4,621,728	-11.3%
Metals Futures	1,084,554	1,206,899	-10.1%	1,016,251	6.7%
Energy Futures	11,725,996	16,083,793	-27.1%	12,029,622	-2.5%
FX Futures	1,654,271	1,753,364	-5.7%	1,804,703	-8.3%
Foreign Exchange Futures	0	2,760	-100.0%	95	-100.0%
Ags Futures	1,435	400	258.8%	2,320	-38.1%
Ag Products Futures	4,828,529	4,859,732	-0.6%	4,909,771	-1.7%
TOTAL FUTURES	52,940,835	52,965,473	0.0%	55,482,682	-4.6%
TOTAL OPTIONS GROUP					
Interest Rate Options	47,663,833	39,767,885	19.9%	55,921,089	-14.8%
Equity Index Options	3,908,234	4,541,693	-13.9%	4,888,988	-20.1%
Metals Options	1,431,661	977,916	46.4%	1,324,459	8.1%
Energy Options	6,570,899	6,648,592	-1.2%	7,096,877	-7.4%
FX Options	638,478	659,208	-3.1%	767,909	-16.9%
Foreign Exchange Options	1	1	0.0%	24	-95.8%
Ag Products Options	2,515,223	2,482,561	1.3%	2,645,840	-4.9%
TOTAL OPTIONS	62,728,329	55,077,856	13.9%	72,645,186	-13.7%
TOTAL COMBINED					
Interest Rate	77,212,025	64,270,141	20.1%	87,019,281	-11.3%
Equity Index	8,006,092	9,097,962	-12.0%	9,510,716	-15.8%
Metals	2,516,215	2,184,815	15.2%	2,340,710	7.5%
Energy	18,296,895	22,732,385	-19.5%	19,126,499	-4.3%
FX	2,292,749	2,412,572	-5.0%	2,572,612	-10.9%
Foreign Exchange	1	2,761	-100.0%	119	-99.2%
Ags	1,435	400	258.8%	2,320	-38.1%
Ag Products	7,343,752	7,342,293	0.0%	7,555,611	-2.8%
GRAND TOTAL	115,669,164	108,043,329	7.1%	128,127,868	-9.7%

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