



## CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>Interest Rate Futures</b>					
10-YR NOTE	3,829,258	3,435,810	11.5%	3,767,808	1.6%
10-YR SWAP RATE	30,236	32,990	-8.3%	32,051	-5.7%
1-MONTH EURODOLLAR	353	2,895	-87.8%	4,224	-91.6%
2-YR NOTE	2,084,150	1,493,960	39.5%	1,957,889	6.4%
2-YR SWAP RATE	0	0	-	0	-
30-YR BOND	873,841	766,649	14.0%	826,448	5.7%
30-YR SWAP RATE	0	215	-100.0%	0	-
5-YR NOTE	4,064,990	3,236,138	25.6%	3,958,437	2.7%
5-YR SWAP RATE	19,909	20,615	-3.4%	15,497	28.5%
7-YR SWAP	0	0	-	0	-
EURODOLLARS	14,239,640	13,873,091	2.6%	14,050,866	1.3%
FED FUND	2,026,439	1,795,750	12.8%	1,989,864	1.8%
SOFR	30,181	0	-	23,182	30.2%
Ultra 10-Year Note	547,399	426,451	28.4%	583,925	-6.3%
ULTRA T-BOND	1,037,009	892,731	16.2%	1,023,011	1.4%
<b>Interest Rate Options</b>					
10-YR NOTE	2,476,548	3,148,962	-21.4%	2,994,864	-17.3%
2-YR NOTE	196,207	329,179	-40.4%	350,960	-44.1%
30-YR BOND	659,033	589,897	11.7%	777,742	-15.3%
5-YR NOTE	1,389,084	1,036,990	34.0%	1,313,332	5.8%
EURODOLLARS	28,843,445	24,652,645	17.0%	26,934,031	7.1%
EURO MIDCURVE	16,583,060	16,254,196	2.0%	16,469,674	0.7%
FED FUND	1,495	2,901	-48.5%	1,876	-20.3%
Ultra 10-Year Note	0	0	-	0	-
ULTRA T-BOND	3,206	1,602	100.1%	12,685	-74.7%

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<b>Equity Index Futures</b>					
BITCOIN FUTURES	2,653	0	-	3,435	-22.8%
DJ US REAL ESTATE	31,109	17,381	79.0%	27,768	12.0%
E-mini (\$5) Dow	106,174	152,531	-30.4%	93,319	13.8%
E-mini FTSE 100 (USD)	6	0	-	6	0.0%
E-mini FTSE China 50	100	491	-79.6%	113	-11.5%
E-MINI MIDCAP	85,106	87,130	-2.3%	82,575	3.1%
E-MINI NASDAQ 100	267,680	297,374	-10.0%	240,305	11.4%
E-MINI RUSSELL 1000	10,261	855	1,100.1%	10,380	-1.1%
E-MINI RUSSELL 1000 GROWTH	6,064	2,045	196.5%	4,608	31.6%
E-MINI RUSSELL 1000 VALUE	5,655	1,616	249.9%	7,680	-26.4%
E-MINI RUSSELL 2000	560,451	21,362	2,523.6%	555,727	0.9%
E-MINI S&P500	2,906,654	3,373,769	-13.8%	2,763,140	5.2%
E-MINI S&P REAL ESTATE SELE	6,264	7,110	-11.9%	6,081	3.0%
FT-SE 100	89	141	-36.9%	15	493.3%
FTSE Emerging	62	7	785.7%	51	21.6%
IBOVESPA INDEX	432	345	25.2%	319	35.4%
NASDAQ BIOTECH	656	643	2.0%	656	0.0%
NIFTY 50	0	1,822	-100.0%	0	-
NIKKEI 225 (\$) STOCK	33,782	35,240	-4.1%	29,561	14.3%
NIKKEI 225 (YEN) STOCK	54,888	57,859	-5.1%	54,461	0.8%
S&P 500	232,431	112,745	106.2%	206,178	12.7%
S&P 500/GI	13	20	-35.0%	13	0.0%
S&P 500/VALUE	114,059	102,940	10.8%	114,271	-0.2%
S&P CONSUMER DSCRTNRY SE	7,494	2,399	212.4%	6,778	10.6%
S&P CONSUMER STAPLES SECT	17,808	14,083	26.5%	14,828	20.1%
S&P ENERGY SECTOR	21,066	9,746	116.2%	26,547	-20.6%
S&P FINANCIAL SECTOR	30,647	29,807	2.8%	31,208	-1.8%
S&P HEALTH CARE SECTOR	11,450	14,475	-20.9%	7,943	44.2%
S&P INDUSTRIAL SECTOR	11,261	12,267	-8.2%	7,099	58.6%
S&P MATERIALS SECTOR	7,839	7,266	7.9%	4,958	58.1%
S&P TECHNOLOGY SECTOR	16,610	8,912	86.4%	14,290	16.2%
S&P UTILITIES SECTOR	31,012	22,753	36.3%	28,530	8.7%
YEN DENOMINATED TOPIX	189	0	-	264	-28.4%

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<b>Equity Index Options</b>					
E-mini (\$5) Dow	9,742	7,095	37.3%	8,763	11.2%
E-MINI MIDCAP	0	0	-	0	-
E-MINI NASDAQ 100	82,477	84,789	-2.7%	76,436	7.9%
E-MINI RUSSELL 2000	20,089	4,429	353.6%	10,953	83.4%
E-MINI S&P500	2,659,355	2,175,469	22.2%	1,975,425	34.6%
EOM E-MINI RUSSELL 2000 END	2,459	1,302	88.9%	1,601	53.6%
EOM EMINI S&P	845,475	777,597	8.7%	690,423	22.5%
EOM S&P 500	43,042	106,161	-59.5%	34,565	24.5%
EOW1 E-MINI RUSSELL 2000 WE	400	108	270.4%	495	-19.2%
EOW1 E-MINI RUSSELL 2000 WE	560	305	83.6%	518	8.1%
EOW1 EMINI S&P 500	311,811	327,874	-4.9%	291,195	7.1%
EOW1 S&P 500	60,376	68,596	-12.0%	90,776	-33.5%
EOW2 E-MINI RUSSELL 2000 WE	607	168	261.3%	316	92.1%
EOW2 EMINI S&P 500	141,989	255,947	-44.5%	179,827	-21.0%
EOW2 S&P 500	3,778	44,983	-91.6%	9,113	-58.5%
EOW3 E-MINI RUSSELL 2000 WE	5,332	2,043	161.0%	8,432	-36.8%
EOW3 EMINI S&P 500	622,617	825,107	-24.5%	860,692	-27.7%
EOW3 S&P 500	66,899	121,605	-45.0%	65,574	2.0%
EOW4 E-MINI RUSSELL 2000 WE	0	2	-100.0%	254	-100.0%
EOW4 EMINI S&P 500	0	109,048	-100.0%	68,835	-100.0%
S&P 500	132,925	202,501	-34.4%	92,589	43.6%
<b>Metals Futures</b>					
ALUMINUM	62,040	64,268	-3.5%	66,674	-7.0%
COMEX COPPER	233,727	328,909	-28.9%	301,147	-22.4%
COMEX E-Mini GOLD	3,102	821	277.8%	2,676	15.9%
COMEX E-Mini SILVER	206	83	148.2%	464	-55.6%
COMEX GOLD	469,839	551,698	-14.8%	454,891	3.3%
COMEX MINY COPPER	30	258	-88.4%	63	-52.4%
COMEX SILVER	212,641	179,356	18.6%	227,415	-6.5%
COPPER	11,585	983	1,078.5%	12,244	-5.4%
E-MICRO GOLD	14,131	7,478	89.0%	9,074	55.7%
FERROUS PRODUCTS	2,731	360	658.6%	2,606	4.8%
GOLD	0	0	-	0	-
Gold Kilo	0	38	-100.0%	0	-
IRON ORE 62 CHINA PLATTS FU	400	5,178	-92.3%	480	-16.7%
IRON ORE 62 CHINA TSI FUTURE	10,118	16,231	-37.7%	10,187	-0.7%
LNDN ZINC	13	0	0.0%	32	-59.4%
METALS	0	0	-	0	-
NYMEX HOT ROLLED STEEL	15,268	15,895	-3.9%	14,521	5.1%
NYMEX PLATINUM	87,077	75,538	15.3%	82,168	6.0%
PALLADIUM	18,563	34,697	-46.5%	22,231	-16.5%
SILVER	1,478	1,234	19.8%	1,560	-5.3%
URANIUM	3,090	4,244	-27.2%	2,965	4.2%

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<b>Metals Options</b>					
COMEX COPPER	16,891	6,319	167.3%	23,551	-28.3%
COMEX GOLD	1,287,185	1,051,675	22.4%	1,204,727	6.8%
COMEX SILVER	221,366	113,211	95.5%	202,544	9.3%
COPPER	0	0	-	0	-
GOLD	3,638	7,714	-52.8%	7,934	-54.1%
HOT ROLLED COIL STEEL CALL	400	0	-	500	-20.0%
IRON ORE 62 CHINA TSI CALL O	1,204	11,206	-89.3%	1,412	-14.7%
IRON ORE 62 CHINA TSI PUT OP	350	8,830	-96.0%	580	-39.7%
NIKKEI 225 (YEN) STOCK	0	0	-	6	-100.0%
NYMEX PLATINUM	8,968	3,533	153.8%	8,238	8.9%
PALLADIUM	2,379	7,528	-68.4%	2,886	-17.6%
SILVER	508	19	2,573.7%	941	-46.0%
<b>Energy Futures</b>					
3.5% FUEL OIL CID MED SWA	148	351	-57.8%	198	-25.3%
3.5% FUEL OIL CIF BALMO S	0	5	-100.0%	0	-
AEP-DAYTON HUB DAILY	82	170	-51.8%	82	0.0%
AEP-DAYTON HUB MTHLY	0	350	-100.0%	0	-
AEP-DAYTON HUB OFF-PEAK M	0	250	-100.0%	0	-
ALGON CITY GATES NAT GAS	0	736	-100.0%	0	-
ALGONQUIN CITYGATES BASIS	0	882	-100.0%	0	-
ANR LOUISIANA BASIS SWAP	0	0	-	0	-
ANR OKLAHOMA	668	2,191	-69.5%	823	-18.8%
APPALACHIAN COAL (PHY)	0	0	-	0	-
ARGUS LLS VS. WTI (ARG) T	40,046	15,567	157.2%	45,218	-11.4%
ARGUS PROPAN FAR EST INDE	5,420	2,732	98.4%	5,028	7.8%
ARGUS PROPAN(SAUDI ARAMC	2,164	1,104	96.0%	1,613	34.2%
AUSTRIALIAN COKE COAL	168	576	-70.8%	192	-12.5%
BRENT BALMO SWAP	0	0	-	135	-100.0%
BRENT CALENDAR SWAP	19,293	18,899	2.1%	19,100	1.0%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	4,449	6,327	-29.7%	3,593	23.8%
BRENT OIL LAST DAY	185,571	142,194	30.5%	197,874	-6.2%
CAISO SP15 EZGNHUB5 MW P	0	0	0.0%	0	-
CAISO SP15 EZGNHUB5 PEAK	0	1,750	-100.0%	0	-
CANADIAN LIGHT SWEET OIL	21	1,929	-98.9%	28	-25.0%
CENTERPOINT BASIS SWAP	4,689	12,552	-62.6%	5,251	-10.7%
CENTERPOINT EAST INDEX	0	0	-	0	-
CEU ENERGY	331	0	-	330	0.3%
CHICAGO ETHANOL SWAP	63,663	44,868	41.9%	58,446	8.9%
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	1,528	1,281	19.3%	1,456	4.9%
CHICAGO UNL GAS PL VS RBO	675	15	4,400.0%	550	22.7%
CIG BASIS	11,996	30,965	-61.3%	13,454	-10.8%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	50	120	-58.3%	60	-16.7%
CINERGY HUB PEAK MONTH	120	288	-58.3%	144	-16.7%
CIN HUB 5MW D AH O PK	41,440	294,600	-85.9%	56,000	-26.0%
CIN HUB 5MW D AH PK	5,720	12,729	-55.1%	6,443	-11.2%

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<b>Energy Futures</b>					
CIN HUB 5MW REAL TIME O P	261,704	578,840	-54.8%	288,024	-9.1%
CIN HUB 5MW REAL TIME PK	23,988	43,551	-44.9%	25,782	-7.0%
COAL SWAP	40	65	-38.5%	35	14.3%
COLUMB GULF MAINLINE NG B	1,330	9,192	-85.5%	1,665	-20.1%
COLUMBIA GULF MAIN NAT G	0	0	-	0	-
COLUMBIA GULF ONSHORE	0	5,734	-100.0%	0	-
CONWAY NATURAL GASOLINE (	985	1,316	-25.2%	1,089	-9.6%
CONWAY NORMAL BUTANE (OPI	1,694	3,877	-56.3%	1,808	-6.3%
CONWAY PROPANE 5 DECIMALS	26,527	17,250	53.8%	26,824	-1.1%
CRUDE OIL	23,222	24,014	-3.3%	22,022	5.4%
CRUDE OIL OUTRIGHTS	156,338	60,563	158.1%	156,006	0.2%
CRUDE OIL PHY	2,299,818	2,314,685	-0.6%	2,358,174	-2.5%
CRUDE OIL SPRDS	168,759	33,358	405.9%	172,611	-2.2%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	157,381	346,878	-54.6%	150,020	4.9%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	4,125	10,675	-61.4%	4,790	-13.9%
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	1,224	2,920	-58.1%	1,472	-16.8%
DOMINION TRANSMISSION INC	17,355	43,119	-59.8%	18,719	-7.3%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	3,205	8,850	-63.8%	3,675	-12.8%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	105	495	-78.8%	135	-22.2%
EAST/WEST FUEL OIL SPREAD	107	466	-77.0%	107	0.0%
EIA FLAT TAX ONHWAY DIESE	1,706	3,480	-51.0%	1,858	-8.2%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	600	0	-	600	0.0%
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	1,236	2,064	-40.1%	1,278	-3.3%
ELEC MISO PEAK	1,590	4,364	-63.6%	1,905	-16.5%
ELEC NYISO OFF-PEAK	29,655	78,108	-62.0%	35,775	-17.1%
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	22,658	37,949	-40.3%	23,474	-3.5%
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	180	-100.0%	0	-
ERCOT HOUSTON Z MCPE 5MW	0	3,880	-100.0%	1,150	-100.0%
ERCOT NORTH ZMCPE 5MW OF	6,720	0	-	6,720	0.0%
ERCOT NORTH ZMCPE 5MW OF	29,120	21,200	37.4%	55,440	-47.5%
ERCOT NORTH ZMCPE 5MW PE	950	3,880	-75.5%	2,100	-54.8%
ETHANOL	1,998	1,708	17.0%	1,630	22.6%
ETHANOL SWAP	110	0	-	110	0.0%
ETHANOL T2 FOB ROTT INCL DU	4,507	5,172	-12.9%	4,859	-7.2%
EURO 1% FUEL OIL NEW BALM	2	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	447	225	98.7%	678	-34.1%

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<b>Energy Futures</b>					
EURO 3.5% FUEL OIL SPREAD	190	1,169	-83.7%	189	0.5%
EURO-DENOMINATED PETRO P	640	24	2,566.7%	0	-
EURO GASOIL 10 CAL SWAP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	231	271	-14.8%	281	-17.8%
EUROPE 1% FUEL OIL NWE CA	167	37	351.4%	192	-13.0%
EUROPE 1% FUEL OIL RDAM C	3	13	-76.9%	3	0.0%
EUROPE 3.5% FUEL OIL MED	157	374	-58.0%	238	-34.0%
EUROPE 3.5% FUEL OIL RDAM	12,101	8,567	41.3%	13,072	-7.4%
EUROPEAN GASOIL (ICE)	221	1,284	-82.8%	179	23.5%
EUROPEAN NAPHTHA BALMO	249	326	-23.6%	400	-37.8%
EUROPEAN NAPHTHA CRACK SP	15,628	12,157	28.6%	16,025	-2.5%
EUROPE DATED BRENT SWAP	0	1,387	-100.0%	75	-100.0%
EUROPE JET KERO NWE CALSW	39	78	-50.0%	24	62.5%
EUROPE NAPHTHA CALSWAP	3,494	2,702	29.3%	3,140	11.3%
EURO PROPANE CIF ARA SWA	1,668	1,623	2.8%	1,673	-0.3%
FL GAS ZONE 3 NAT GAS IND	0	0	-	0	-
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	2,322	965	140.6%	2,278	1.9%
FUEL OIL CRACK VS ICE	12,419	17,729	-30.0%	12,448	-0.2%
FUEL OIL NWE CRACK VS ICE	171	0	-	171	0.0%
FUEL OIL (PLATS) CAR CM	70	16	337.5%	84	-16.7%
FUEL OIL (PLATS) CAR CN	95	0	-	105	-9.5%
FUELOIL SWAP:CARGOES VS.B	803	1,077	-25.4%	779	3.1%
GAS EURO-BOB OXY NWE BARG	6,663	5,227	27.5%	6,456	3.2%
GAS EURO-BOB OXY NWE BARG	32,762	28,996	13.0%	34,315	-4.5%
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	25	-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	85	140	-39.3%	102	-16.7%
GASOIL 0.1 ROTTERDAM BARG	120	30	300.0%	220	-45.5%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM CARGOES CIF	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	238	796	-70.1%	285	-16.5%
GASOIL BULLET SWAP	0	30	-100.0%	0	-
GASOIL CALENDAR SWAP	22	50	-56.0%	30	-26.7%
GASOIL CRACK SPREAD CALEN	19,837	23,260	-14.7%	19,416	2.2%
GASOIL MINI CALENDAR SWAP	843	432	95.1%	744	13.3%
GASOLINE UP-DOWN BALMO SW	0	0	-	0	-
GROUP THREE ULSD (PLATTS)	124	125	-0.8%	132	-6.1%
GROUP THREE UNLEAD GAS (P	325	0	-	375	-13.3%
GRP THREE ULSD(PLT)VS HEA	8,796	12,649	-30.5%	9,176	-4.1%
GRP THREE UNL GS (PLT) VS	4,337	2,585	67.8%	3,918	10.7%
GULF COAST 3% FUEL OIL BA	1,271	286	344.4%	1,671	-23.9%
GULF COAST GASOLINE CLNDR	0	0	-	0	-
GULF COAST JET FUEL CLNDR	1,006	928	8.4%	864	16.4%
GULF COAST JET VS NYM 2 H	33,113	37,683	-12.1%	28,821	14.9%
GULF COAST NO.6 FUEL OIL	51,786	45,158	14.7%	59,437	-12.9%
GULF COAST ULSD CALENDAR	1,475	2,433	-39.4%	1,546	-4.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>Energy Futures</b>					
GULF COAST ULSD CRACK SPR	795	2,530	-68.6%	895	-11.2%
HEATING OIL BALMO CLNDR S	0	0	-	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	409,633	400,076	2.4%	395,920	3.5%
HENRY HUB BASIS SWAP	1,038	14,514	-92.8%	1,348	-23.0%
HENRY HUB FINANCIAL LAST	9	0	-	21	-57.1%
HENRY HUB INDEX SWAP FUTU	798	8,147	-90.2%	2,224	-64.1%
HENRY HUB SWAP	1,108,063	1,216,460	-8.9%	1,106,868	0.1%
HENRY HUB SWING FUTURE	0	0	-	0	-
HOUSTON SHIP CHANNEL BASI	13,337	21,336	-37.5%	13,895	-4.0%
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-
HTG OIL	201	323	-37.8%	220	-8.6%
HUSTN SHIP CHNL PIPE SWP	0	357	-100.0%	0	-
ICE BRENT DUBAI SWAP	44,188	44,761	-1.3%	49,382	-10.5%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	3,698	10,598	-65.1%	3,698	0.0%
INDIANA MISO	26,798	40,590	-34.0%	25,214	6.3%
INDONESIAN COAL	0	0	-	0	-
INDONESIAN COAL ICI4	220	0	-	215	2.3%
ISO NEW ENGLAND OFF-PEAK	0	70	-100.0%	0	-
ISO NEW ENGLAND PK LMP	0	85	-100.0%	0	-
JAPAN C&F NAPHTHA CRACK S	229	2,020	-88.7%	256	-10.5%
JAPAN C&F NAPHTHA SWAP	2,570	1,507	70.5%	2,662	-3.5%
JAPAN NAPHTHA BALMO SWAP	97	0	-	185	-47.6%
JET AV FUEL (P) CAR FM ICE GA	10	25	-60.0%	12	-16.7%
JET BARGES VS ICE GASOIL	0	0	-	0	-
JET CIF NWE VS ICE	494	475	4.0%	552	-10.5%
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	4,625	5,560	-16.8%	2,915	58.7%
LA CARB DIESEL (OPIS)	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	930	375	148.0%	900	3.3%
LA CARBOB GASOLINE(OPIS)S	225	200	12.5%	150	50.0%
LA JET FUEL VS NYM NO 2 H	0	0	-	0	-
LA JET (OPIS) SWAP	2,133	3,205	-33.4%	2,085	2.3%
LLS (ARGUS) CALENDAR SWAP	607	0	-	0	-
LLS (ARGUS) VS WTI SWAP	33,396	19,025	75.5%	35,012	-4.6%
LTD NAT GAS	452,786	368,830	22.8%	440,270	2.8%
MARS (ARGUS) VS WTI SWAP	7,265	11,608	-37.4%	8,715	-16.6%
MARS (ARGUS) VS WTI TRD M	15,353	14,224	7.9%	17,981	-14.6%
MARS BLEND CRUDE OIL	0	1,720	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	36,588	57,586	-36.5%	37,668	-2.9%
MCCLOSKEY RCH BAY COAL	4,951	8,216	-39.7%	5,316	-6.9%
MGF FUT	40	85	-52.9%	10	300.0%
MGN1 SWAP FUT	385	524	-26.5%	447	-13.9%
MICHCON NG INDEX SWAP	0	0	-	0	-
MICHIGAN BASIS	3,136	7,553	-58.5%	3,359	-6.6%
MICHIGAN MISO	14,574	104,620	-86.1%	17,577	-17.1%
MINI GAS EUROBOB OXY NWE A	265	250	6.0%	552	-52.0%
MINI RBOB V. EBOBARG NWE BF	375	1,085	-65.4%	815	-54.0%
MINI RBOB V. EBOB(ARGUS) NW	3,498	4,184	-16.4%	3,215	8.8%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
MINY HTG OIL	1	1	0.0%	0	-
MINY NATURAL GAS	1,301	1,358	-4.2%	1,130	15.1%
MINY RBOB GAS	0	0	-	0	-
MINY WTI CRUDE OIL	3,805	8,208	-53.6%	4,690	-18.9%
MJC FUT	325	455	-28.6%	330	-1.5%
MNC FUT	5,892	4,544	29.7%	4,963	18.7%
MONT BELVIEU ETHANE 5 DECI	45,025	75,586	-40.4%	44,621	0.9%
MONT BELVIEU ETHANE OPIS B	130	175	-25.7%	300	-56.7%
MONT BELVIEU LDH PROPANE 5	124,077	113,090	9.7%	124,863	-0.6%
MONT BELVIEU LDH PROPANE C	987	1,643	-39.9%	2,422	-59.2%
MONT BELVIEU NATURAL GASO	18,538	9,552	94.1%	19,064	-2.8%
MONT BELVIEU NATURAL GASO	372	117	217.9%	215	73.0%
MONT BELVIEU NORMAL BUTAN	51,434	41,812	23.0%	47,792	7.6%
MONT BELVIEU NORMAL BUTAN	940	795	18.2%	2,259	-58.4%
NAT GAS BASIS SWAP	3,531	7,877	-55.2%	3,779	-6.6%
NATURAL GAS	76,118	113,943	-33.2%	78,338	-2.8%
NATURAL GAS FIXED PRICE SW	0	180	-100.0%	0	-
NATURAL GAS INDEX	0	368	-100.0%	0	-
NATURAL GAS PEN SWP	163,685	222,757	-26.5%	161,440	1.4%
NATURAL GAS PHY	1,617,963	1,298,286	24.6%	1,541,421	5.0%
NEPOOL CNCTCT 5MW D AH O	0	1,977	-100.0%	0	-
NEPOOL CONECTIC 5MW D AH	0	106	-100.0%	0	-
NEPOOL INTR HUB 5MW D AH	474,345	613,496	-22.7%	488,778	-3.0%
NEPOOL NE MASS 5MW D AH O	14,040	0	-	14,040	0.0%
NEPOOL NE MASS 5MW D AH P	765	0	-	765	0.0%
NEPOOL NEW HAMP 5MW D AH	0	0	-	0	-
NEPOOL RHD ISLD 5MW D AH	0	530	-100.0%	0	-
NEPOOL RHODE IL 5MW D AH	0	9,885	-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	3,954	-100.0%	0	-
NEPOOL W CNTR M 5MW D AH	0	212	-100.0%	0	-
NEW ENGLAND HUB PEAK DAIL	1,770	2,679	-33.9%	2,006	-11.8%
NEW YORK ETHANOL SWAP	1,835	1,750	4.9%	1,855	-1.1%
NEW YORK HUB ZONE G PEAK	2,325	1,907	21.9%	2,958	-21.4%
NEW YORK HUB ZONE J PEAK	1,010	1,535	-34.2%	1,360	-25.7%
NGPL MID-CONTINENT	16,000	27,184	-41.1%	16,961	-5.7%
NGPL MIDCONTINENT INDEX	0	0	-	0	-
NGPL MIDCONTINENT SWING S	0	0	-	0	-
NGPL TEX/OK	17,967	28,495	-36.9%	20,888	-14.0%
NGPL TEXOK INDEX	0	0	-	0	-
N ILLINOIS HUB DAILY	178	314	-43.3%	178	0.0%
N ILLINOIS HUB MTHLY	0	100	-100.0%	0	-
NO 2 UP-DOWN SPREAD CALEN	450	1,319	-65.9%	195	130.8%
NORTHEN NATURAL GAS DEMA	704	2,400	-70.7%	836	-15.8%
NORTHEN NATURAL GAS VENTL	1,408	2,612	-46.1%	1,420	-0.8%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	23,833	50,133	-52.5%	25,910	-8.0%
N ROCKIES PIPE SWAP	59	303	-80.5%	0	-
NY1% VS GC SPREAD SWAP	3,636	4,332	-16.1%	5,113	-28.9%
NY 2.2% FUEL OIL (PLATTS)	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>Energy Futures</b>					
NY 3.0% FUEL OIL (PLATTS)	600	100	500.0%	300	100.0%
NY HARBOR 1% FUEL OIL BAL	50	0	-	0	-
NY HARBOR HEAT OIL SWP	11,380	11,026	3.2%	8,256	37.8%
NY HARBOR LOW SULPUR GAS	410	1,060	-61.3%	300	36.7%
NY HARBOR RESIDUAL FUEL 1	2,107	3,650	-42.3%	2,212	-4.7%
NYH NO 2 CRACK SPREAD CAL	4,431	6,941	-36.2%	4,788	-7.5%
NY H OIL PLATTS VS NYMEX	0	0	-	0	-
NYISO A	0	0	-	0	-
NYISO A OFF-PEAK	0	0	-	0	-
NYISO CAPACITY	1,830	2,976	-38.5%	2,002	-8.6%
NYISO G	0	0	-	0	-
NYISO G OFF-PEAK	0	0	-	0	-
NYISO J	0	691	-100.0%	0	-
NYISO J OFF-PEAK	0	150	-100.0%	0	-
NYISO ZONE A 5MW D AH O P	25,950	110,910	-76.6%	31,774	-18.3%
NYISO ZONE A 5MW D AH PK	4,212	9,130	-53.9%	4,554	-7.5%
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	630,430	554,901	13.6%	639,262	-1.4%
NYISO ZONE G 5MW D AH PK	26,892	24,812	8.4%	28,260	-4.8%
NYISO ZONE J 5MW D AH O P	184,041	277,421	-33.7%	194,441	-5.3%
NYISO ZONE J 5MW D AH PK	13,331	15,304	-12.9%	13,901	-4.1%
NY JET FUEL (PLATTS) HEAT OIL	0	0	-	0	-
NYMEX ALUMINUM FUTURES	540	620	-12.9%	612	-11.8%
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	279	1,451	-80.8%	316	-11.7%
ONEOK OKLAHOMA NG BASIS	1,708	1,112	53.6%	306	458.2%
ONTARIO POWER SWAPS	0	17,415	-100.0%	0	-
PANHANDLE BASIS SWAP FUTU	7,665	22,761	-66.3%	8,418	-8.9%
PANHANDLE INDEX SWAP FUTU	0	0	-	0	-
PANHANDLE PIPE SWAP	788	720	9.4%	985	-20.0%
PERMIAN BASIS SWAP	6,154	12,905	-52.3%	6,588	-6.6%
PETROCHEMICALS	16,051	10,156	58.0%	15,520	3.4%
PETRO CRCKS & SPRDS ASIA	761	685	11.1%	886	-14.1%
PETRO CRCKS & SPRDS NA	79,432	78,622	1.0%	88,737	-10.5%
PETRO CRK&SPRD EURO	18,713	17,024	9.9%	19,044	-1.7%
PETROLEUM PRODUCTS	5,573	4,334	28.6%	4,860	14.7%
PETROLEUM PRODUCTS ASIA	2,045	2,195	-6.8%	2,466	-17.1%
PETRO OUTRIGHT EURO	11,578	14,563	-20.5%	12,823	-9.7%
PETRO OUTRIGHT NA	8,348	11,627	-28.2%	8,783	-5.0%
PJM AD HUB 5MW REAL TIME	268,783	524,173	-48.7%	281,006	-4.3%
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	61,840	-100.0%	0	-
PJM BGE DA OFF-PEAK	3,954	28,800	-86.3%	4,770	-17.1%
PJM BGE DA PEAK	212	1,575	-86.5%	254	-16.5%
PJM COMED 5MW D AH O PK	9,885	33,285	-70.3%	11,925	-17.1%
PJM COMED 5MW D AH PK	530	1,805	-70.6%	635	-16.5%
PJM DAILY	710	916	-22.5%	990	-28.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Futures</b>					
PJM DAYTON DA OFF-PEAK	79,600	162,428	-51.0%	82,928	-4.0%
PJM DAYTON DA PEAK	6,720	12,843	-47.7%	7,195	-6.6%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM MONTHLY	990	2,304	-57.0%	1,100	-10.0%
PJM NI HUB 5MW REAL TIME	320,771	1,090,237	-70.6%	373,202	-14.0%
PJM NILL DA OFF-PEAK	214,006	903,149	-76.3%	233,974	-8.5%
PJM NILL DA PEAK	13,465	43,612	-69.1%	14,491	-7.1%
PJM OFF-PEAK LMP SWAP FUT	202	706	-71.4%	244	-17.2%
PJM PECO ZONE5MW PEAK CAL	0	0	-	0	-
PJM PPL DA OFF-PEAK	0	0	-	0	-
PJM PPL DA PEAK	0	0	-	0	-
PJM PSEG DA OFF-PEAK	42,840	101,160	-57.7%	21,480	99.4%
PJM PSEG DA PEAK	1,275	4,260	-70.1%	0	-
PJM WES HUB PEAK LMP 50 M	0	0	-	0	-
PJM WESTH DA OFF-PEAK	253,819	606,302	-58.1%	273,371	-7.2%
PJM WESTHDA PEAK	13,802	34,078	-59.5%	14,695	-6.1%
PJM WESTH RT OFF-PEAK	1,257,998	2,464,142	-48.9%	1,345,230	-6.5%
PJM WESTH RT PEAK	79,268	139,649	-43.2%	87,111	-9.0%
PLASTICS	814	1,449	-43.8%	715	13.8%
PREMIUM UNLD 10P FOB MED	422	127	232.3%	426	-0.9%
PREMIUM UNLEAD 10PPM FOB	31	32	-3.1%	31	0.0%
PREM UNL GAS 10PPM RDAM F	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	128	0	-	30	326.7%
PROPANE NON-LDH MB (OPIS) B	707	357	98.0%	473	49.5%
PROPANE NON-LDH MT. BEL (OF	55,322	21,835	153.4%	52,624	5.1%
RBOB CALENDAR SWAP	17,158	17,416	-1.5%	18,636	-7.9%
RBOB CRACK SPREAD	5,806	3,005	93.2%	6,399	-9.3%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-
RBOB GAS	105	1,757	-94.0%	112	-6.2%
RBOB GASOLINE BALMO CLNDR	833	618	34.8%	374	122.7%
RBOB PHY	444,730	417,265	6.6%	470,601	-5.5%
RBOB (PLATTS) CAL SWAP	0	0	-	0	-
RBOB SPREAD (PLATTS) SWAP	0	13	-100.0%	0	-
RBOB UP-DOWN CALENDAR SW	0	0	-	0	-
RBOB VS HEATING OIL SWAP	675	3,580	-81.1%	930	-27.4%
ROCKIES KERN OPAL - NW IN	0	0	-	0	-
SAN JUAN BASIS SWAP	11,882	24,790	-52.1%	12,945	-8.2%
SAN JUAN PIPE SWAP	360	0	-	360	0.0%
SINGAPORE 180CST BALMO	48	102	-52.9%	45	6.7%
SINGAPORE 380CST BALMO	277	292	-5.1%	323	-14.2%
SINGAPORE 380CST FUEL OIL	12,267	10,766	13.9%	12,908	-5.0%
SINGAPORE FUEL 180CST CAL	1,046	1,911	-45.3%	1,213	-13.8%
SINGAPORE FUEL OIL SPREAD	1,017	1,467	-30.7%	1,229	-17.2%
SINGAPORE GASOIL	8,668	10,720	-19.1%	10,014	-13.4%
SINGAPORE GASOIL CALENDAR	50	203	-75.4%	30	66.7%
SINGAPORE GASOIL SWAP	9,985	17,269	-42.2%	7,910	26.2%
SINGAPORE GASOIL VS ICE	43,416	14,452	200.4%	45,861	-5.3%
SINGAPORE JET KERO BALMO	0	0	-	0	-
SINGAPORE JET KERO GASOIL	11,460	5,400	112.2%	11,710	-2.1%
SINGAPORE JET KEROSENE SW	3,350	3,973	-15.7%	2,520	32.9%

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<b>Energy Futures</b>					
SINGAPORE JET KERO VS. GAS	375	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	1,793	25	7,072.0%	570	214.6%
SINGAPORE MOGAS 92 UNLEAD	13,903	11,223	23.9%	15,107	-8.0%
SINGAPORE NAPHTHA BALMO	0	0	-	0	-
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SING FUEL	0	0	-	15	-100.0%
SOCAL PIPE SWAP	0	0	-	0	-
SONAT BASIS SWAP FUTURE	0	244	-100.0%	0	-
SOUTHERN NAT LA NAT GAS	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	40	184	-78.3%	50	-20.0%
Sumas Basis Swap	3,581	7,679	-53.4%	3,860	-7.2%
SUMAS NAT GAS PLATTS FIXED	0	244	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	160	0	-	180	-11.1%
TC5 RAS TANURA TO YOKOHAM	0	0	-	0	-
TCO BASIS SWAP	5,723	18,182	-68.5%	6,157	-7.0%
TCO NG INDEX SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	4,700	0	-	3,250	44.6%
TENN 800 LEG NAT GAS INDE	0	0	-	0	-
TENNESSEE 500 LEG BASIS S	0	122	-100.0%	0	-
TENNESSEE 800 LEG NG BASI	0	122	-100.0%	0	-
TENNESSEE ZONE 0 BASIS SW	0	726	-100.0%	0	-
TETCO M-3 INDEX	0	2,576	-100.0%	0	-
Tetco STX Basis	244	1,096	-77.7%	306	-20.3%
TEXAS EASTERN ZONE M-3 BA	3,523	11,465	-69.3%	3,833	-8.1%
TEXAS GAS ZONE1 NG BASIS	1,920	8,488	-77.4%	2,404	-20.1%
Transco Zone 3 Basis	1,098	4,929	-77.7%	1,377	-20.3%
TRANSCO ZONE 3 NG INDEX S	0	3,128	-100.0%	0	-
TRANSCO ZONE4 BASIS SWAP	4,636	14,047	-67.0%	5,039	-8.0%
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	851	4,267	-80.1%	1,130	-24.7%
TRANSCO ZONE 6 INDEX	0	736	-100.0%	0	-
UCM FUT	10	156	-93.6%	10	0.0%
ULSD 10PPM CIF MED BALMO	0	0	-	0	-
ULSD 10PPM CIF MED SWAP	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	0	57	-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	4,762	3,950	20.6%	3,980	19.6%
UP DOWN GC ULSD VS NMX HO	39,391	52,610	-25.1%	38,816	1.5%
USGC UNL 87 CRACK SPREAD	0	0	-	0	-
WAHA BASIS	3,629	9,238	-60.7%	3,950	-8.1%
WAHA INDEX SWAP FUTURE	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	60	405	-85.2%	175	-65.7%
WTI-BRENT BULLET SWAP	6,704	904	641.6%	6,704	0.0%
WTI-BRENT CALENDAR SWAP	120,942	49,307	145.3%	122,393	-1.2%
WTI CALENDAR	174,289	125,578	38.8%	177,213	-1.6%
WTS (ARGUS) VS WTI SWAP	62,768	47,105	33.3%	59,822	4.9%
WTS (ARGUS) VS WTI TRD MT	5,883	3,319	77.3%	4,608	27.7%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>Energy Options</b>					
12 MO GASOIL CAL SWAP SPR	0	230	-100.0%	0	-
1 MO GASOIL CAL SWAP SPR	0	0	-	0	-
BRENT 1 MONTH CAL	0	0	-	0	-
BRENT CALENDAR SWAP	7,070	9,087	-22.2%	6,460	9.4%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	88,504	0	-	118,556	-25.3%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	306,938	112,240	173.5%	278,091	10.4%
COAL API2 INDEX	4,215	5,563	-24.2%	4,875	-13.5%
COAL API4 INDEX	25	0	-	25	0.0%
COAL SWAP	135	735	-81.6%	135	0.0%
CRUDE OIL 1MO	363,780	675,616	-46.2%	442,700	-17.8%
CRUDE OIL APO	398,287	316,080	26.0%	416,857	-4.5%
CRUDE OIL CALNDR STRIP	170	0	-	170	0.0%
CRUDE OIL OUTRIGHTS	2,010	6,030	-66.7%	2,680	-25.0%
CRUDE OIL PHY	2,876,783	2,992,957	-3.9%	3,026,481	-4.9%
ELEC FINSETTLED	0	0	-	0	-
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	0	0.0%	150	-100.0%
ETHANOL SWAP	11,868	13,184	-10.0%	13,629	-12.9%
EURO-DENOMINATED PETRO P	0	0	-	0	-
EUROPEAN JET KEROSENE NW	0	0	-	0	-
GASOLINE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	0	100	-100.0%	0	-
HEATING OIL CRK SPD AVG PRI	0	0	-	0	-
HEATING OIL PHY	31,012	55,915	-44.5%	42,976	-27.8%
HENRY HUB FINANCIAL LAST	5,311	8,214	-35.3%	5,578	-4.8%
HO 1 MONTH CLNDR OPTIONS	0	300	-100.0%	0	-
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
LLS CRUDE OIL	1,200	6,650	-82.0%	1,500	-20.0%
MCCLOSKEY ARA ARGS COAL	225	1,055	-78.7%	225	0.0%
MCCLOSKEY RCH BAY COAL	430	0	-	430	0.0%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	36,966	127,010	-70.9%	22,570	63.8%
NATURAL GAS 2 M CSO FIN	0	2,150	-100.0%	0	-
NATURAL GAS 3 M CSO FIN	43,220	42,000	2.9%	40,720	6.1%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	6,700	3,700	81.1%	5,550	20.7%
NATURAL GAS OPTION ON CALE	13,086	8,838	48.1%	12,686	3.2%
NATURAL GAS PHY	1,908,269	2,216,176	-13.9%	1,776,462	7.4%
NATURAL GAS WINTER STRIP	1,200	0	-	0	-
NG HH 3 MONTH CAL	0	0	-	0	-
N ROCKIES PIPE SWAP	2,750	6,754	-59.3%	2,278	20.7%
NY HARBOR HEAT OIL SWP	14,930	22,162	-32.6%	15,711	-5.0%
NYISO ZONE G 5MW PEAK OPTI	0	5,880	-100.0%	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
NYMEX EUROPEAN GASOIL OPT	0	0	-	0	-
PANHANDLE PIPE SWAP	1,920	2,400	-20.0%	2,400	-20.0%
PETROCHEMICALS	6,886	7,100	-3.0%	5,248	31.2%
PETRO OUTRIGHT EURO	0	250	-100.0%	0	-
PETRO OUTRIGHT NA	30	0	-	36	-16.7%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Energy Options</b>					
PJM MONTHLY	0	0	-	0	-
PJM WES HUB PEAK CAL MTH	1,790	3,340	-46.4%	1,780	0.6%
PJM WES HUB PEAK LMP 50MW	6,512	16,218	-59.8%	6,803	-4.3%
RBOB 1MO CAL SPD OPTIONS	0	1,600	-100.0%	0	-
RBOB CALENDAR SWAP	525	1,628	-67.8%	525	0.0%
RBOB PHY	9,025	29,899	-69.8%	10,915	-17.3%
ROTTERDAM 3.5%FUEL OIL CL	0	200	-100.0%	0	-
SAN JUAN PIPE SWAP	2,260	4,552	-50.4%	2,198	2.8%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	650	1,025	-36.6%	0	-
SINGAPORE GASOIL CALENDAR	0	125	-100.0%	0	-
SINGAPORE JET FUEL CALEND	0	200	-100.0%	0	-
SOCAL PIPE SWAP	0	0	-	0	-
WTI-BRENT BULLET SWAP	194,906	158,814	22.7%	198,561	-1.8%
WTI CRUDE OIL 1 M CSO FI	127,275	293,048	-56.6%	136,550	-6.8%
<b>FX Futures</b>					
AD/CD CROSS RATES	2	2	0.0%	2	0.0%
AD/JY CROSS RATES	710	897	-20.8%	1,278	-44.4%
AD/NE CROSS RATES	60	104	-42.3%	55	9.1%
AUSTRALIAN DOLLAR	148,036	157,078	-5.8%	137,318	7.8%
BDI	0	6	-100.0%	0	-
BP/JY CROSS RATES	664	499	33.1%	429	54.8%
BP/SF CROSS RATES	174	29	500.0%	111	56.8%
BRAZIL REAL	51,466	33,409	54.0%	41,343	24.5%
BRITISH POUND	256,879	225,129	14.1%	190,347	35.0%
CANADIAN DOLLAR	144,141	196,329	-26.6%	140,270	2.8%
CD/JY CROSS RATES	23	46	-50.0%	6	283.3%
CHINESE RENMINBI (CNH)	2,420	1,076	124.9%	678	256.9%
CZECK KORUNA (EC)	2	0	-	2	0.0%
CZECK KORUNA (US)	15	0	-	15	0.0%
EC/AD CROSS RATES	1,619	1,406	15.1%	1,723	-6.0%
EC/CD CROSS RATES	1,695	1,548	9.5%	1,612	5.1%
EC/NOK CROSS RATES	331	55	501.8%	270	22.6%
EC/SEK CROSS RATES	901	783	15.1%	895	0.7%
EFX/BP CROSS RATES	36,089	35,131	2.7%	34,384	5.0%
EFX/JY CROSS RATES	27,997	21,460	30.5%	25,698	8.9%
EFX/SF CROSS RATES	9,609	12,075	-20.4%	9,599	0.1%
E-MICRO AUD/USD	5,441	4,594	18.4%	2,057	164.5%
E-MICRO CAD/USD	2,831	3,179	-10.9%	1,886	50.1%
E-MICRO CHF/USD	573	184	211.4%	239	139.7%
E-MICRO EUR/USD	9,236	8,491	8.8%	7,344	25.8%
E-MICRO GBP/USD	3,371	3,564	-5.4%	2,312	45.8%
E-MICRO INR/USD	381	533	-28.5%	256	48.8%
E-MICRO JPY/USD	1,276	2,249	-43.3%	1,081	18.0%
E-MICRO USD/CAD	0	0	-	0	-
E-MICRO USD/CHF	0	0	-	0	-
E-MICRO USD/CNH	0	0	-	0	-
E-MICRO USD/JPY	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>FX Futures</b>					
E-MINI EURO FX	13,312	15,335	-13.2%	13,081	1.8%
E-MINI JAPANESE YEN	1,337	1,106	20.9%	871	53.5%
EURO FX	534,407	465,272	14.9%	500,522	6.8%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	31	-100.0%
INDIAN RUPEE	1,275	971	31.3%	814	56.6%
JAPANESE YEN	189,297	206,852	-8.5%	197,758	-4.3%
KOREAN WON	365	29	1,158.6%	355	2.8%
MEXICAN PESO	219,156	242,163	-9.5%	189,774	15.5%
NEW ZEALND DOLLAR	53,970	45,350	19.0%	51,817	4.2%
NKR/USD CROSS RATE	2,460	955	157.6%	1,739	41.5%
POLISH ZLOTY (EC)	21	4	425.0%	5	320.0%
POLISH ZLOTY (US)	34	73	-53.4%	12	183.3%
RMB USD	5	38	-86.8%	1	400.0%
RUSSIAN RUBLE	25,597	38,133	-32.9%	26,664	-4.0%
S.AFRICAN RAND	8,795	27,198	-67.7%	10,754	-18.2%
SF/JY CROSS RATES	0	0	-	0	-
SHEKEL	0	228	-100.0%	24	-100.0%
SKR/USD CROSS RATES	1,878	1,760	6.7%	1,729	8.6%
SWISS FRANC	81,201	42,077	93.0%	91,102	-10.9%
TURKISH LIRA	1,220	2,782	-56.1%	1,540	-20.8%
USDZAR	0	0	-	0	-
<b>FX Options</b>					
AUD/USD PQO 2pm Fix	69,393	89,306	-22.3%	63,561	9.2%
AUSTRALIAN DLR (EU)	0	0	-	0	-
AUSTRALIAN DOLLAR	0	0	-	0	-
BRITISH POUND	0	0	-	0	-
BRITISH POUND (EU)	121	699	-82.7%	104	16.3%
CAD/USD PQO 2pm Fix	72,127	118,869	-39.3%	79,746	-9.6%
CANADIAN DOLLAR	0	0	-	0	-
CANADIAN DOLLAR (EU)	0	14	-100.0%	0	-
CHF/USD PQO 2pm Fix	7,130	6,213	14.8%	6,982	2.1%
EFX/JY CROSS RATES	0	0	-	0	-
EURO FX	0	0	-	0	-
EURO FX (EU)	29	125	-76.8%	17	70.6%
EUR/USD PQO 2pm Fix	344,151	375,909	-8.4%	300,417	14.6%
GBP/USD PQO 2pm Fix	176,109	155,911	13.0%	137,998	27.6%
JAPANESE YEN	0	0	-	0	-
JAPANESE YEN (EU)	0	23	-100.0%	0	-
JPY/USD PQO 2pm Fix	135,083	155,936	-13.4%	138,387	-2.4%
MEXICAN PESO	931	784	18.8%	2,715	-65.7%
RUSSIAN RUBLE	0	0	-	0	-
SWISS FRANC	0	0	-	0	-
SWISS FRANC (EU)	0	3	-100.0%	0	-
<b>Foreign Exchange Futures</b>					
CHILEAN PESO	857	2,800	-69.4%	558	53.6%

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## CME Group Exchange Open Interest Report - Monthly

	Open Interest AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>Foreign Exchange Options</b>					
AUD/USD PQO 2pm Fix	0	0	-	0	-
<b>Ags Futures</b>					
FERTILIZER PRODUCTS	1,410	700	101.4%	1,290	9.3%

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## CME Group Exchange Open Interest Report - Monthly

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<b>Ag Products Futures</b>					
BUTTER CS	5,690	5,055	12.6%	7,512	-24.3%
CASH-SETTLED CHEESE	20,856	17,832	17.0%	26,300	-20.7%
CAT EURO SEASONAL STRIP	0	0	-	0	-
CATTLE	307,244	314,834	-2.4%	310,247	-1.0%
CDD SEASONAL STRIP	600	1,100	-45.5%	600	0.0%
CDD WEATHER	0	10,300	-100.0%	0	-
CHI WHEAT	446,886	439,287	1.7%	490,485	-8.9%
CLASS IV MILK	1,602	2,797	-42.7%	1,570	2.0%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,654,003	1,317,691	25.5%	1,852,366	-10.7%
COTTON	2	2	0.0%	0	-
DJ_UBS ROLL SELECT INDEX FU	2,951	1,070	175.8%	2,951	0.0%
DOW-UBS COMMOD INDEX	31,226	48,809	-36.0%	32,728	-4.6%
DRY WHEY	3,369	3,291	2.4%	4,206	-19.9%
FEEDER CATTLE	49,445	54,440	-9.2%	54,748	-9.7%
FERTILIZER PRODUCTS	3,780	2,770	36.5%	2,670	41.6%
GOLDMAN SACHS	15,272	14,734	3.7%	15,357	-0.6%
GSCI EXCESS RETURN FUT	55,273	54,273	1.8%	55,405	-0.2%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	18,000	0	-	0	-
HOGS	226,701	246,566	-8.1%	240,288	-5.7%
HOUSING INDEX	48	45	6.7%	44	9.1%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	257,520	276,602	-6.9%	284,072	-9.3%
LUMBER	4,380	4,526	-3.2%	5,194	-15.7%
MALAYSIAN PALM SWAP	20,388	27,188	-25.0%	23,016	-11.4%
MILK	20,797	23,618	-11.9%	24,840	-16.3%
MINI CORN	9,125	5,710	59.8%	12,693	-28.1%
MINI SOYBEAN	20,312	18,734	8.4%	24,225	-16.2%
MINI WHEAT	2,278	2,234	2.0%	3,201	-28.8%
MLK MID OPTIONS	0	0	0.0%	0	-
NFD MILK	6,374	5,706	11.7%	7,613	-16.3%
OATS	4,221	5,722	-26.2%	5,119	-17.5%
PALM OIL	0	0	-	0	-
ROUGH RICE	7,234	10,139	-28.7%	8,416	-14.0%
SOYBEAN	808,144	657,897	22.8%	804,501	0.5%
SOYBEAN MEAL	513,408	386,570	32.8%	514,557	-0.2%
SOYBEAN OIL	525,102	423,326	24.0%	517,659	1.4%
S&P GSCI ENHANCED ER SWAP	3,762	17,033	-77.9%	3,762	0.0%
SUGAR 11	0	2	-100.0%	0	-
USD CRUDE PALM OIL	4,560	660	590.9%	5,320	-14.3%
WHEAT	26,012	586	4,338.9%	26,600	-2.2%
<b>Ag Products Options</b>					
AUG-DEC SOYBEAN MEAL CSO	0	0	-	0	-
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-

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## CME Group Exchange Open Interest Report - Monthly

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<b>Ag Products Options</b>					
BUTTER CS	11,357	6,413	77.1%	14,756	-23.0%
CASH-SETTLED CHEESE	28,942	24,675	17.3%	39,225	-26.2%
CATTLE	153,132	181,806	-15.8%	189,036	-19.0%
CDD SEASONAL STRIP	700	2,800	-75.0%	700	0.0%
CDD WEATHER	0	20,000	-100.0%	0	-
CHI WHEAT	403,118	301,540	33.7%	425,710	-5.3%
CLASS IV MILK	4,462	6,504	-31.4%	3,803	17.3%
CORN	1,374,078	1,131,385	21.5%	1,721,612	-20.2%
CORN NEARBY+2 CAL SPRD	8,470	6,076	39.4%	7,078	19.7%
DEC-DEC CORN CAL SPRD	8,452	8,539	-1.0%	4,508	87.5%
DEC-JULY CORN CAL SPRD	8,844	18,645	-52.6%	7,794	13.5%
DEC-JULY WHEAT CAL SPRD	60	225	-73.3%	32	87.5%
DRY WHEY	2,734	1,622	68.6%	3,013	-9.3%
FEEDER CATTLE	25,001	57,379	-56.4%	36,876	-32.2%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	3,000	6,500	-53.8%	3,000	0.0%
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	232,807	182,770	27.4%	192,160	21.2%
HOUSING INDEX	2	10	-80.0%	2	0.0%
Intercommodity Spread	1,380	0	-	900	53.3%
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	600	0	-	0	-
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	0	0	-	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-
JULY-NOV SOYBEAN CAL SPRD	1,950	0	-	0	-
KC WHEAT	62,565	46,398	34.8%	77,460	-19.2%
LUMBER	559	687	-18.6%	1,377	-59.4%
LV CATL CSO	22	0	-	43	-48.8%
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	74,086	68,414	8.3%	83,809	-11.6%
MLK MID OPTIONS	306	326	-6.1%	341	-10.3%
NFD MILK	10,612	8,159	30.1%	17,056	-37.8%
NOV-JULY SOYBEAN CAL SPRD	0	1,146	-100.0%	0	-
NOV-MAR SOYBEAN CSO	120	0	-	120	0.0%
NOV-NOV SOYBEAN CAL SPRD	105	50	110.0%	5	2,000.0%
OATS	668	2,665	-74.9%	688	-2.9%
ROUGH RICE	1,357	1,863	-27.2%	2,160	-37.2%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	712	-100.0%
SOYBEAN	692,080	639,721	8.2%	726,741	-4.8%
SOYBEAN CRUSH	40	200	-80.0%	50	-20.0%
SOYBEAN MEAL	181,871	108,160	68.1%	189,721	-4.1%
SOYBEAN OIL	80,219	76,822	4.4%	71,695	11.9%
SOYBN NEARBY+2 CAL SPRD	0	10	-100.0%	10	-100.0%
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	250	-100.0%
WHEAT	300	100	200.0%	300	0.0%
WHEAT-CORN ICSCO	1,175	50	2,250.0%	835	40.7%
WHEAT NEARBY+2 CAL SPRD	702	2,420	-71.0%	1,795	-60.9%

**\*\*\* 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 AUG 2018	Open Interest AUG 2017	% CHG	Open Interest JUL 2018	% CHG
<b>TOTAL FUTURES GROUP</b>					
Interest Rate Futures	28,783,405	25,977,295	10.8%	28,233,202	1.9%
Equity Index Futures	4,579,965	4,395,134	4.2%	4,343,107	5.5%
Metals Futures	1,146,039	1,287,269	-11.0%	1,211,398	-5.4%
Energy Futures	13,444,349	17,874,252	-24.8%	13,781,224	-2.4%
FX Futures	1,840,272	1,800,182	2.2%	1,689,803	8.9%
Foreign Exchange Futures	857	2,800	-69.4%	558	53.6%
Ags Futures	1,410	700	101.4%	1,290	9.3%
Ag Products Futures	5,076,565	4,401,149	15.3%	5,368,265	-5.4%
<b>TOTAL FUTURES</b>	<b>54,872,862</b>	<b>55,738,781</b>	<b>-1.6%</b>	<b>54,628,847</b>	<b>0.4%</b>
<b>TOTAL OPTIONS GROUP</b>					
Interest Rate Options	50,152,078	46,016,372	9.0%	48,855,164	2.7%
Equity Index Options	5,009,933	5,115,129	-2.1%	4,466,782	12.2%
Metals Options	1,542,889	1,210,035	27.5%	1,453,319	6.2%
Energy Options	6,476,863	7,159,025	-9.5%	6,602,511	-1.9%
FX Options	805,074	903,792	-10.9%	729,927	10.3%
Foreign Exchange Options	0	0	-	0	-
Ag Products Options	3,377,076	2,914,080	15.9%	3,826,573	-11.7%
<b>TOTAL OPTIONS</b>	<b>67,363,913</b>	<b>63,318,433</b>	<b>6.4%</b>	<b>65,934,276</b>	<b>2.2%</b>
<b>TOTAL COMBINED</b>					
Interest Rate	78,935,483	71,993,667	9.6%	77,088,366	2.4%
Equity Index	9,589,898	9,510,263	0.8%	8,809,889	8.9%
Metals	2,688,928	2,497,304	7.7%	2,664,717	0.9%
Energy	19,921,212	25,033,277	-20.4%	20,383,735	-2.3%
FX	2,645,346	2,703,974	-2.2%	2,419,730	9.3%
Foreign Exchange	857	2,800	-69.4%	558	53.6%
Ags	1,410	700	101.4%	1,290	9.3%
Ag Products	8,453,641	7,315,229	15.6%	9,194,838	-8.1%
<b>GRAND TOTAL</b>	<b>122,236,775</b>	<b>119,057,214</b>	<b>2.7%</b>	<b>120,563,123</b>	<b>1.4%</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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