



CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2019	Open Interest JUN 2018	% CHG	Open Interest MAY 2019	% CHG
Interest Rate Futures					
10-YR NOTE	3,763,034	3,515,551	7.0%	4,014,478	-6.3%
10-YR SWAP RATE	115,556	31,012	272.6%	103,559	11.6%
15-YR SWAP RATE	10,850	0	-	10,850	0.0%
1-MONTH EURODOLLAR	38	7,569	-99.5%	36	5.6%
20-YR SWAP RATE	90	0	-	90	0.0%
2-YR NOTE	3,590,884	1,873,958	91.6%	3,661,670	-1.9%
2-YR SWAP RATE	24,439	0	-	26,161	-6.6%
30-YR BOND	918,107	792,810	15.8%	989,336	-7.2%
30-YR SWAP RATE	2,379	0	-	2,823	-15.7%
3-YR SWAP RATE	10,639	0	-	13,303	-20.0%
4-YR SWAP RATE	7,694	0	-	8,317	-7.5%
5-YR NOTE	4,475,582	3,811,091	17.4%	4,654,120	-3.8%
5-YR SWAP RATE	62,776	16,048	291.2%	71,813	-12.6%
7-YR SWAP RATE	13,522	0	-	11,411	18.5%
EURODOLLARS	12,757,383	13,943,636	-8.5%	13,124,415	-2.8%
FED FUND	2,243,956	2,078,675	8.0%	2,547,743	-11.9%
SOFR	145,179	12,586	1,053.5%	167,866	-13.5%
SONIA	15,650	0	-	14,269	9.7%
Ultra 10-Year Note	759,781	541,756	40.2%	735,300	3.3%
ULTRA T-BOND	1,146,267	972,070	17.9%	1,198,819	-4.4%
Interest Rate Options					
10-YR NOTE	4,168,470	2,881,970	44.6%	3,410,524	22.2%
2-YR NOTE	459,437	277,175	65.8%	331,762	38.5%
30-YR BOND	859,877	764,996	12.4%	933,251	-7.9%
5-YR NOTE	2,443,019	1,601,543	52.5%	2,121,904	15.1%
EURODOLLARS	46,672,978	23,566,718	98.0%	43,412,729	7.5%
EURO MIDCURVE	18,380,049	15,361,033	19.7%	21,009,061	-12.5%
FED FUND	1,002	4,776	-79.0%	1,752	-42.8%
Ultra 10-Year Note	5,661	0	-	5,351	5.8%
ULTRA T-BOND	43,511	13,096	232.2%	26,596	63.6%

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Equity Index Futures					
BITCOIN FUTURES	5,991	2,724	119.9%	4,960	20.8%
DJ US REAL ESTATE	28,007	30,575	-8.4%	25,875	8.2%
E-mini (\$5) Dow	85,322	85,388	-0.1%	77,286	10.4%
E-MINI COM SERVICES SELECT	4,665	0	-	6,054	-22.9%
E-mini FTSE 100 (USD)	0	5	-100.0%	0	-
E-mini FTSE China 50	0	141	-100.0%	5	-100.0%
E-MINI MIDCAP	63,481	85,579	-25.8%	66,300	-4.3%
E-MINI NASDAQ 100	212,158	236,534	-10.3%	225,158	-5.8%
E-MINI RUSSELL 1000	8,402	10,391	-19.1%	9,112	-7.8%
E-MINI RUSSELL 1000 GROWTH	3,920	4,207	-6.8%	3,029	29.4%
E-MINI RUSSELL 1000 VALUE	6,855	5,607	22.3%	6,083	12.7%
E-MINI RUSSELL 2000	417,375	554,152	-24.7%	434,342	-3.9%
E-MINI S&P500	2,479,713	2,698,986	-8.1%	2,714,778	-8.7%
E-MINI S&P REAL ESTATE SELE	2,604	5,873	-55.7%	2,950	-11.7%
FT-SE 100	0	5	-100.0%	0	-
FTSE Emerging	4	0	0.0%	58	-93.1%
IBOVESPA INDEX	152	310	-51.0%	130	16.9%
MICRO E-MINI NASDAQ 100	14,523	0	-	16,359	-11.2%
MICRO E-MINI RUSSELL 2000	3,823	0	-	19,631	-80.5%
MICRO E-MINI S&P500	24,750	0	-	31,381	-21.1%
MICRO MINI \$5 DOW	7,005	0	-	9,509	-26.3%
NASDAQ BIOTECH	217	925	-76.5%	92	135.9%
NIFTY 50	0	0	-	0	-
NIKKEI 225 (\$) STOCK	27,577	30,423	-9.4%	25,901	6.5%
NIKKEI 225 (YEN) STOCK	54,833	50,394	8.8%	70,578	-22.3%
S&P 500	232,327	154,647	50.2%	265,489	-12.5%
S&P 500 ANNUAL DIVIDEND IND	121,037	112,664	7.4%	109,186	10.9%
S&P 500/GI	10	13	-23.1%	10	0.0%
S&P 500 QUARLY DIVIDEND IND	200	380	-47.4%	600	-66.7%
S&P 600 SMALLCAP EMINI	538	0	-	0	-
S&P CONSUMER DSCRTNRY SE	3,303	6,813	-51.5%	3,494	-5.5%
S&P CONSUMER STAPLES SECT	15,075	7,401	103.7%	14,649	2.9%
S&P ENERGY SECTOR	8,559	26,710	-68.0%	13,621	-37.2%
S&P FINANCIAL SECTOR	13,447	27,724	-51.5%	30,367	-55.7%
S&P HEALTH CARE SECTOR	12,509	6,294	98.7%	7,197	73.8%
S&P INDUSTRIAL SECTOR	3,809	4,409	-13.6%	7,253	-47.5%
S&P MATERIALS SECTOR	3,038	5,050	-39.8%	6,546	-53.6%
S&P TECHNOLOGY SECTOR	8,027	11,700	-31.4%	6,630	21.1%
S&P UTILITIES SECTOR	14,876	26,354	-43.6%	16,542	-10.1%
S&P VALUE INDEX FUTURES	12	14	-14.3%	12	0.0%
YEN DENOMINATED TOPIX	251	205	22.4%	1,272	-80.3%

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Equity Index Options					
E-mini (\$5) Dow	2,355	6,915	-65.9%	3,762	-37.4%
E-MINI NASDAQ 100	56,726	59,670	-4.9%	63,570	-10.8%
E-MINI RUSSELL 2000	8,828	7,164	23.2%	20,720	-57.4%
E-MINI S&P500	1,973,851	1,624,809	21.5%	2,949,141	-33.1%
EOM E-MINI RUSSELL 2000 END	2,073	240	763.8%	3,715	-44.2%
EOM EMINI S&P	494,033	529,774	-6.7%	506,722	-2.5%
EOM S&P 500	32,917	30,464	8.1%	53,967	-39.0%
EOW1 E-MINI RUSSELL 2000 WE	524	1,502	-65.1%	650	-19.4%
EOW1 E-MINI RUSSELL 2000 WE	1,446	1,423	1.6%	843	71.5%
EOW1 EMINI S&P 500	228,645	241,800	-5.4%	365,766	-37.5%
EOW1 S&P 500	42,590	34,660	22.9%	13,216	222.3%
EOW2 E-MINI RUSSELL 2000 WE	1,116	2,804	-60.2%	875	27.5%
EOW2 EMINI S&P 500	105,428	100,302	5.1%	137,183	-23.1%
EOW2 S&P 500	7,890	2,420	226.0%	2,101	275.5%
EOW3 E-MINI RUSSELL 2000 WE	8,148	16,348	-50.2%	3,856	111.3%
EOW3 EMINI S&P 500	717,160	968,784	-26.0%	451,757	58.7%
EOW3 S&P 500	76,219	80,733	-5.6%	46,136	65.2%
EOW4 E-MINI RUSSELL 2000 WE	224	895	-75.0%	0	-
EOW4 EMINI S&P 500	29,610	48,686	-39.2%	0	-
S&P 500	63,740	102,488	-37.8%	110,196	-42.2%
Metals Futures					
ALUMINUM	49,466	68,325	-27.6%	54,638	-9.5%
COMEX COPPER	247,503	266,333	-7.1%	282,827	-12.5%
COMEX E-Mini GOLD	1,476	861	71.4%	2,509	-41.2%
COMEX E-Mini SILVER	172	298	-42.3%	231	-25.5%
COMEX GOLD	580,855	478,221	21.5%	465,077	24.9%
COMEX MINY COPPER	92	58	58.6%	124	-25.8%
COMEX SILVER	218,355	209,485	4.2%	209,964	4.0%
COPPER	11,632	13,325	-12.7%	12,396	-6.2%
E-MICRO GOLD	18,308	10,337	77.1%	12,350	48.2%
FERROUS PRODUCTS	3,228	3,155	2.3%	3,652	-11.6%
GOLD	0	0	-	0	-
Gold Kilo	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FU	0	600	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURE	6,787	10,264	-33.9%	7,290	-6.9%
LNDN ZINC	12	28	-57.1%	27	-55.6%
NYMEX HOT ROLLED STEEL	16,661	12,457	33.7%	17,610	-5.4%
NYMEX PLATINUM	84,971	86,498	-1.8%	84,525	0.5%
PALLADIUM	23,352	22,049	5.9%	19,416	20.3%
SILVER	1,885	1,537	22.6%	1,481	27.3%
URANIUM	2,761	2,690	2.6%	3,027	-8.8%

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Metals Options					
COMEX COPPER	38,504	20,335	89.3%	46,676	-17.5%
COMEX GOLD	1,488,083	1,190,505	25.0%	1,134,990	31.1%
COMEX SILVER	180,743	190,624	-5.2%	232,836	-22.4%
COPPER	0	0	-	11	-100.0%
GOLD	44,640	5,220	755.2%	11,774	279.1%
HOT ROLLED COIL STEEL CALL	600	600	0.0%	650	-7.7%
IRON ORE 62 CHINA TSI CALL O	1,210	1,650	-26.7%	1,220	-0.8%
IRON ORE 62 CHINA TSI PUT OP	635	640	-0.8%	640	-0.8%
NYMEX PLATINUM	9,144	5,816	57.2%	10,271	-11.0%
PALLADIUM	2,442	2,518	-3.0%	1,946	25.5%
SILVER	2,146	588	265.0%	1,209	77.5%
Energy Futures					
3.5% FUEL OIL CID MED SWA	92	248	-62.9%	96	-4.2%
3.5% FUEL OIL CIF BALMO S	0	0	-	0	-
AEP-DAYTON HUB DAILY	38	68	-44.1%	28	35.7%
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	0	-	0	-
ANR LOUISIANA BASIS SWAP	0	0	-	0	-
ANR OKLAHOMA	0	978	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	27,008	49,839	-45.8%	29,133	-7.3%
ARGUS PROPAN FAR EST INDE	5,390	5,034	7.1%	5,348	0.8%
ARGUS PROPAN(SAUDI ARAMC	1,596	1,656	-3.6%	2,034	-21.5%
AUSTRIALIAN COKE COAL	28	216	-87.0%	32	-12.5%
BRENT BALMO SWAP	200	0	-	0	-
BRENT CALENDAR SWAP	30,013	20,023	49.9%	26,150	14.8%
BRENT CFD SWAP	0	0	-	0	-
BRENT FINANCIAL FUTURES	240	3,848	-93.8%	240	0.0%
BRENT OIL LAST DAY	246,199	211,992	16.1%	254,090	-3.1%
CAISO SP15 EZGNHUB5 MW P	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	0	35	-100.0%	0	-
CENTERPOINT BASIS SWAP	577	5,813	-90.1%	687	-16.0%
CHICAGO ETHANOL SWAP	50,653	59,540	-14.9%	48,394	4.7%
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	3,409	1,116	205.5%	3,193	6.8%
CHICAGO UNL GAS PL VS RBO	466	625	-25.4%	553	-15.7%
CIG BASIS	3,360	14,916	-77.5%	3,912	-14.1%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	0	70	-100.0%	0	-
CINERGY HUB PEAK MONTH	0	168	-100.0%	0	-
CIN HUB 5MW D AH O PK	0	69,160	-100.0%	0	-
CIN HUB 5MW D AH PK	816	6,916	-88.2%	1,057	-22.8%
CIN HUB 5MW REAL TIME O P	91,904	316,584	-71.0%	101,904	-9.8%
CIN HUB 5MW REAL TIME PK	10,119	27,640	-63.4%	11,419	-11.4%
COAL SWAP	0	205	-100.0%	0	-
COLUMB GULF MAINLINE NG B	900	2,000	-55.0%	954	-5.7%

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Energy Futures					
COLUMBIA GULF ONSHORE	0	0	-	0	-
CONWAY NATURAL GASOLINE (1,135	1,146	-1.0%	1,326	-14.4%
CONWAY NORMAL BUTANE (OPI	1,447	1,771	-18.3%	912	58.7%
CONWAY PROPANE 5 DECIMALS	25,455	24,450	4.1%	20,857	22.0%
CRUDE OIL	20,161	19,772	2.0%	20,311	-0.7%
CRUDE OIL OUTRIGHTS	168,731	150,201	12.3%	165,546	1.9%
CRUDE OIL PHY	2,024,588	2,502,159	-19.1%	2,076,894	-2.5%
CRUDE OIL SPRDS	126,316	177,881	-29.0%	124,336	1.6%
CRUDE OIL TRADE AT MARKER	0	0	0.0%	0	0.0%
DAILY PJM	115,451	162,992	-29.2%	113,953	1.3%
DATED BRENT (PLATTS) DAILY S	0	0	-	0	-
DATED TO FRONTLINE BRENT	1,690	5,420	-68.8%	1,985	-14.9%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	0	0	-	0	-
DOMINION TRAN INC - APP I	0	1,712	-100.0%	0	-
DOMINION TRANSMISSION INC	6,822	20,083	-66.0%	7,422	-8.1%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	4,955	2,721	82.1%	3,885	27.5%
DUTCH TTF NATURAL GAS CAL	3,000	200	1,400.0%	2,520	19.0%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	0	155	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	41	97	-57.7%	35	17.1%
EIA FLAT TAX ONHWAY DIESE	1,750	2,005	-12.7%	1,589	10.1%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	900	-100.0%	0	-
ELEC ERCOT OFF PEAK	0	0	-	0	-
ELEC FINSETTLED	810	1,320	-38.6%	854	-5.2%
ELEC MISO PEAK	0	2,220	-100.0%	0	-
ELEC NYISO OFF-PEAK	0	41,535	-100.0%	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	70,262	24,242	189.8%	71,046	-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	8,400	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OF	0	84,000	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PE	0	3,150	-100.0%	0	-
ETHANOL	966	1,922	-49.7%	1,095	-11.8%
ETHANOL SWAP	395	100	295.0%	490	-19.4%
ETHANOL T2 FOB ROTT INCL DU	4,530	4,788	-5.4%	4,426	2.3%
EURO 1% FUEL OIL NEW BALM	0	3	-100.0%	3	-100.0%
EURO 3.5% FUEL OIL RDAM B	6	651	-99.1%	40	-85.0%
EURO 3.5% FUEL OIL SPREAD	65	238	-72.7%	80	-18.8%
EURO-DENOMINATED PETRO P	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	0	324	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	391	179	118.4%	402	-2.7%
EUROPE 1% FUEL OIL RDAM C	3	3	0.0%	3	0.0%
EUROPE 3.5% FUEL OIL MED	92	291	-68.4%	133	-30.8%
EUROPE 3.5% FUEL OIL RDAM	5,860	13,654	-57.1%	6,401	-8.5%
EUROPEAN GASOIL (ICE)	35	154	-77.3%	48	-27.1%

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Energy Futures					
EUROPEAN NAPHTHA BALMO	133	249	-46.6%	110	20.9%
EUROPEAN NAPHTHA CRACK SP	11,024	15,959	-30.9%	10,905	1.1%
EUROPE DATED BRENT SWAP	985	150	556.7%	460	114.1%
EUROPE JET KERO NWE CALSW	23	24	-4.2%	25	-8.0%
EUROPE NAPHTHA CALSWAP	2,705	3,101	-12.8%	2,987	-9.4%
EURO PROPANE CIF ARA SWA	2,129	1,748	21.8%	2,091	1.8%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	3,347	2,344	42.8%	3,781	-11.5%
FUEL OIL CRACK VS ICE	8,409	12,695	-33.8%	8,807	-4.5%
FUEL OIL NWE CRACK VS ICE	161	171	-5.8%	166	-3.0%
FUEL OIL (PLATS) CAR CM	6	98	-93.9%	0	-
FUEL OIL (PLATS) CAR CN	0	57	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	923	730	26.4%	1,039	-11.2%
GAS EURO-BOB OXY NWE BARG	5,555	6,851	-18.9%	5,486	1.3%
GAS EURO-BOB OXY NWE BARG	26,633	35,571	-25.1%	26,957	-1.2%
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	5	0	-	10	-50.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	11	124	-91.1%	10	10.0%
GASOIL 0.1 ROTTERDAM BARG	53	380	-86.1%	59	-10.2%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	25	332	-92.5%	27	-7.4%
GASOIL BULLET SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	50	32	56.3%	52	-3.8%
GASOIL CRACK SPREAD CALEN	12,072	20,488	-41.1%	11,793	2.4%
GASOIL MINI CALENDAR SWAP	647	573	12.9%	693	-6.6%
GERMAN POWER BASELOAD CA	1,238	59	1,998.3%	945	31.0%
GROUP THREE ULSD (PLATTS)	33	155	-78.7%	39	-15.4%
GROUP THREE UNLEAD GAS (P	0	425	-100.0%	0	-
GRP THREE ULSD(PLT)VS HEA	10,013	10,335	-3.1%	10,270	-2.5%
GRP THREE UNL GS (PLT) VS	3,701	3,618	2.3%	4,179	-11.4%
GULF COAST 3% FUEL OIL BA	324	919	-64.7%	385	-15.8%
GULF COAST JET FUEL CLNDR	535	905	-40.9%	611	-12.4%
GULF COAST JET VS NYM 2 H	32,335	30,122	7.3%	35,608	-9.2%
GULF COAST NO.6 FUEL OIL	21,811	66,376	-67.1%	23,774	-8.3%
GULF COAST ULSD CALENDAR	1,723	1,609	7.1%	1,576	9.3%
GULF COAST ULSD CRACK SPR	430	945	-54.5%	470	-8.5%
HEATING OIL BALMO CLNDR S	480	167	187.4%	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	18	-100.0%
HEATING OIL PHY	378,052	390,359	-3.2%	403,482	-6.3%
HENRY HUB BASIS SWAP	6,432	2,836	126.8%	10,821	-40.6%
HENRY HUB FINANCIAL LAST	0	12	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	11,472	2,464	365.6%	15,657	-26.7%
HENRY HUB SWAP	947,252	1,087,984	-12.9%	956,361	-1.0%
HOUSTON SHIP CHANNEL BASI	8,983	14,453	-37.8%	9,493	-5.4%
HTG OIL	137	203	-32.5%	150	-8.7%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
ICE BRENT DUBAI SWAP	42,420	46,975	-9.7%	37,746	12.4%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	0	3,698	-100.0%	0	-

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
INDIANA MISO	4,595	28,769	-84.0%	3,875	18.6%
INDONESIAN COAL	0	0	-	0	-
INDONESIAN COAL ICI4	874	110	694.5%	953	-8.3%
ISO NEW ENGLAND OFF-PEAK	0	0	-	0	-
ISO NEW ENGLAND PK LMP	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	121	616	-80.4%	121	0.0%
JAPAN C&F NAPHTHA SWAP	1,539	2,813	-45.3%	1,667	-7.7%
JAPAN NAPHTHA BALMO SWAP	3	23	-87.0%	0	-
JET AV FUEL (P) CAR FM ICE GA	0	14	-100.0%	0	-
JET CIF NWE VS ICE	243	472	-48.5%	285	-14.7%
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	4,744	4,263	11.3%	6,680	-29.0%
JKM LNG Futures	5,462	2,080	162.6%	5,637	-3.1%
LA CARB DIESEL (OPIS)	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	82	625	-86.9%	58	41.4%
LA CARBOB GASOLINE(OPIS)S	325	575	-43.5%	325	0.0%
LA JET FUEL VS NYM NO 2 H	0	0	-	0	-
LA JET (OPIS) SWAP	2,022	2,395	-15.6%	1,589	27.2%
LLS (ARGUS) CALENDAR SWAP	399	0	-	419	-4.8%
LLS (ARGUS) VS WTI SWAP	19,541	36,195	-46.0%	21,720	-10.0%
LOS ANGELES CARB GASOLINE	0	0	-	0	-
LTD NAT GAS	356,608	421,061	-15.3%	362,375	-1.6%
MARS (ARGUS) VS WTI SWAP	5,915	10,470	-43.5%	5,830	1.5%
MARS (ARGUS) VS WTI TRD M	25,877	21,543	20.1%	25,455	1.7%
MARS BLEND CRUDE OIL	0	200	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	22,983	39,757	-42.2%	21,653	6.1%
MCCLOSKEY RCH BAY COAL	3,867	4,997	-22.6%	3,221	20.1%
MGF FUT	0	20	-100.0%	0	-
MGN1 SWAP FUT	410	454	-9.7%	340	20.6%
MICHIGAN BASIS	1,587	3,582	-55.7%	1,617	-1.9%
MICHIGAN MISO	0	20,412	-100.0%	0	-
MINI GAS EUROBOB OXY NWE A	223	411	-45.7%	304	-26.6%
MINI RBOB V. EBOBARG NWE BF	560	446	25.6%	170	229.4%
MINI RBOB V. EBOB(ARGUS) NW	5,462	2,760	97.9%	5,388	1.4%
MINY HTG OIL	1	1	0.0%	0	0.0%
MINY NATURAL GAS	4,262	1,231	246.2%	2,487	71.4%
MINY RBOB GAS	1	0	-	0	0.0%
MINY WTI CRUDE OIL	6,046	4,711	28.3%	5,051	19.7%
MJC FUT	240	390	-38.5%	265	-9.4%
MNC FUT	6,605	5,111	29.2%	6,337	4.2%
MONT BELVIEU ETHANE 5 DECI	39,543	45,725	-13.5%	38,997	1.4%
MONT BELVIEU ETHANE OPIS B	225	80	181.3%	95	136.8%
MONT BELVIEU LDH PROPANE 5	136,034	127,318	6.8%	139,518	-2.5%
MONT BELVIEU LDH PROPANE C	2,957	1,816	62.8%	3,473	-14.9%
MONT BELVIEU NATURAL GASO	16,063	19,938	-19.4%	16,399	-2.0%
MONT BELVIEU NATURAL GASO	935	500	87.0%	390	139.7%
MONT BELVIEU NORMAL BUTAN	53,667	44,431	20.8%	48,038	11.7%
MONT BELVIEU NORMAL BUTAN	469	682	-31.2%	1,662	-71.8%
NAT GAS BASIS SWAP	1,288	4,027	-68.0%	1,498	-14.0%
NATURAL GAS	84,593	78,684	7.5%	82,052	3.1%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NATURAL GAS FIXED PRICE SW	0	0	-	0	-
NATURAL GAS INDEX	0	0	-	0	-
NATURAL GAS PEN SWP	136,716	163,518	-16.4%	133,878	2.1%
NATURAL GAS PHY	1,291,955	1,489,298	-13.3%	1,304,742	-1.0%
NEPOOL CNCTCT 5MW D AH O	0	0	-	0	-
NEPOOL CONECTIC 5MW D AH	0	0	-	0	-
NEPOOL INTR HUB 5MW D AH	373,268	502,167	-25.7%	386,952	-3.5%
NEPOOL NE MASS 5MW D AH O	8,307	14,040	-40.8%	9,483	-12.4%
NEPOOL NE MASS 5MW D AH P	444	765	-42.0%	510	-12.9%
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	1,232	1,888	-34.7%	1,364	-9.7%
NEW YORK ETHANOL SWAP	1,486	2,000	-25.7%	1,013	46.7%
NEW YORK HUB ZONE G PEAK	1,188	2,619	-54.6%	992	19.8%
NEW YORK HUB ZONE J PEAK	1,760	1,170	50.4%	1,385	27.1%
NGPL MID-CONTINENT	9,132	17,922	-49.0%	9,972	-8.4%
NGPL TEX/OK	13,702	23,509	-41.7%	15,772	-13.1%
N ILLINOIS HUB DAILY	98	178	-44.9%	68	44.1%
N ILLINOIS HUB MTHLY	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	125	463	-73.0%	200	-37.5%
NORTHERN NATURAL GAS DEMA	246	968	-74.6%	306	-19.6%
NORTHERN NATURAL GAS VENTL	738	1,432	-48.5%	918	-19.6%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	8,705	27,925	-68.8%	10,025	-13.2%
N ROCKIES PIPE SWAP	0	0	-	0	-
NY1% VS GC SPREAD SWAP	2,010	4,159	-51.7%	2,030	-1.0%
NY 2.2% FUEL OIL (PLATTS	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	150	175	-14.3%	225	-33.3%
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-
NY HARBOR HEAT OIL SWP	13,473	7,356	83.2%	12,906	4.4%
NY HARBOR LOW SULPUR GAS	865	515	68.0%	890	-2.8%
NY HARBOR RESIDUAL FUEL 1	1,115	2,115	-47.3%	1,080	3.2%
NY HARBOR RESIDUAL FUEL C	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	2,712	4,753	-42.9%	3,239	-16.3%
NYISO A	0	0	-	0	-
NYISO A OFF-PEAK	0	0	-	0	-
NYISO CAPACITY	972	2,242	-56.6%	1,082	-10.2%
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	13,298	37,038	-64.1%	14,082	-5.6%
NYISO ZONE A 5MW D AH PK	1,272	4,968	-74.4%	1,536	-17.2%
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	430,690	660,694	-34.8%	451,466	-4.6%
NYISO ZONE G 5MW D AH PK	17,331	30,261	-42.7%	18,167	-4.6%
NYISO ZONE J 5MW D AH O P	73,326	203,841	-64.0%	85,086	-13.8%
NYISO ZONE J 5MW D AH PK	6,096	14,821	-58.9%	7,306	-16.6%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
NYMEX ALUMINUM FUTURES	396	576	-31.3%	372	6.5%
NYMEX ULSD VS NYMEX HO	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING	888	272	226.5%	998	-11.0%
ONEOK OKLAHOMA NG BASIS	0	368	-100.0%	0	-
ONTARIO POWER SWAPS	30	0	-	100	-70.0%
PANHANDLE BASIS SWAP FUTU	3,031	9,171	-67.0%	3,391	-10.6%
PANHANDLE PIPE SWAP	0	1,182	-100.0%	0	-
PERMIAN BASIS SWAP	3,908	7,022	-44.3%	4,028	-3.0%
PETROCHEMICALS	10,546	12,749	-17.3%	9,927	6.2%
PETRO CRCKS & SPRDS ASIA	981	1,101	-10.9%	936	4.8%
PETRO CRCKS & SPRDS NA	73,094	103,887	-29.6%	74,490	-1.9%
PETRO CRK&SPRD EURO	11,489	20,456	-43.8%	12,741	-9.8%
PETROLEUM PRODUCTS	4,345	7,766	-44.1%	4,158	4.5%
PETROLEUM PRODUCTS ASIA	2,440	2,549	-4.3%	2,124	14.9%
PETRO OUTRIGHT EURO	9,799	13,906	-29.5%	10,555	-7.2%
PETRO OUTRIGHT NA	7,911	9,222	-14.2%	8,525	-7.2%
PJM AD HUB 5MW REAL TIME	208,399	288,967	-27.9%	193,879	7.5%
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	0	-	0	-
PJM BGE DA OFF-PEAK	0	5,538	-100.0%	0	-
PJM BGE DA PEAK	0	296	-100.0%	0	-
PJM COMED 5MW D AH O PK	0	13,845	-100.0%	0	-
PJM COMED 5MW D AH PK	0	740	-100.0%	0	-
PJM DAILY	934	728	28.3%	828	12.8%
PJM DAYTON DA OFF-PEAK	56,605	85,936	-34.1%	58,565	-3.3%
PJM DAYTON DA PEAK	3,630	7,770	-53.3%	3,850	-5.7%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM MONTHLY	280	1,130	-75.2%	320	-12.5%
PJM NI HUB 5MW REAL TIME	74,968	429,743	-82.6%	83,548	-10.3%
PJM NILL DA OFF-PEAK	67,218	251,646	-73.3%	80,546	-16.5%
PJM NILL DA PEAK	4,134	15,756	-73.8%	4,992	-17.2%
PJM OFF-PEAK LMP SWAP FUT	0	286	-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	69,225	23,400	195.8%	73,145	-5.4%
PJM PSEG DA PEAK	3,700	0	-	3,810	-2.9%
PJM WESTH DA OFF-PEAK	111,628	291,043	-61.6%	124,172	-10.1%
PJM WESTHDA PEAK	6,026	15,776	-61.8%	6,730	-10.5%
PJM WESTH RT OFF-PEAK	653,935	1,447,230	-54.8%	659,775	-0.9%
PJM WESTH RT PEAK	97,480	97,198	0.3%	100,824	-3.3%
PLASTICS	3,329	722	361.1%	3,480	-4.3%
PREMIUM UNLD 10P FOB MED	260	450	-42.2%	267	-2.6%
PREMIUM UNLEAD 10PPM FOB	0	75	-100.0%	0	-
PREM UNL GAS 10PPM RDAM F	0	0	-	0	-
PREM UNL GAS 10PPM RDAM F	0	54	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) B	1,442	525	174.7%	75	1,822.7%

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CME Group Exchange Open Interest Report - Monthly

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Energy Futures					
PROPANE NON-LDH MT. BEL (OF	61,928	51,360	20.6%	64,241	-3.6%
RBOB CALENDAR SWAP	17,307	14,413	20.1%	17,106	1.2%
RBOB CRACK SPREAD	4,496	6,599	-31.9%	5,729	-21.5%
RBOB CRACK SPREAD BALMO S	0	0	-	25	-100.0%
RBOB GAS	100	83	20.5%	108	-7.4%
RBOB GASOLINE BALMO CLNDR	1,084	1,005	7.9%	805	34.7%
RBOB PHY	367,751	436,313	-15.7%	366,890	0.2%
RBOB SPREAD (PLATTS) SWAP	0	0	-	0	-
RBOB VS HEATING OIL SWAP	75	1,240	-94.0%	75	0.0%
SAN JUAN BASIS SWAP	3,623	13,972	-74.1%	4,793	-24.4%
SAN JUAN PIPE SWAP	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	5	40	-87.5%	10	-50.0%
SINGAPORE 380CST BALMO	26	200	-87.0%	25	4.0%
SINGAPORE 380CST FUEL OIL	5,287	13,574	-61.1%	5,691	-7.1%
SINGAPORE FUEL 180CST CAL	481	1,592	-69.8%	574	-16.2%
SINGAPORE FUEL OIL SPREAD	201	1,452	-86.2%	178	12.9%
SINGAPORE GASOIL	8,997	10,648	-15.5%	9,594	-6.2%
SINGAPORE GASOIL CALENDAR	287	120	139.2%	312	-8.0%
SINGAPORE GASOIL SWAP	1,327	7,785	-83.0%	1,918	-30.8%
SINGAPORE GASOIL VS ICE	12,515	45,890	-72.7%	14,775	-15.3%
SINGAPORE JET KERO BALMO	0	50	-100.0%	0	-
SINGAPORE JET KERO GASOIL	4,235	10,640	-60.2%	4,945	-14.4%
SINGAPORE JET KEROSENE SW	1,685	2,795	-39.7%	1,415	19.1%
SINGAPORE JET KERO VS. GAS	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEAD	50	200	-75.0%	0	-
SINGAPORE MOGAS 92 UNLEAD	15,664	16,192	-3.3%	18,203	-13.9%
SINGAPORE NAPHTHA SWAP	0	0	-	0	-
SING FUEL	0	15	-100.0%	0	-
SOCAL PIPE SWAP	0	0	-	0	-
SONAT BASIS SWAP FUTURE	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	0	60	-100.0%	0	-
Sumas Basis Swap	1,313	4,139	-68.3%	1,433	-8.4%
SUMAS NAT GAS PLATTS FIXED	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	354	247	43.3%	395	-10.4%
TC5 RAS TANURA TO YOKOHAM	1,104	25	4,316.0%	1,290	-14.4%
TCO BASIS SWAP	2,940	6,591	-55.4%	3,300	-10.9%
TCO NG INDEX SWAP	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	12,125	2,849	325.6%	13,401	-9.5%
TENNESSEE 500 LEG BASIS S	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	0	0	-	0	-
TETCO M-3 INDEX	0	0	-	0	-
Tetco STX Basis	0	368	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	1,282	4,143	-69.1%	1,342	-4.5%
TEXAS GAS ZONE1 NG BASIS	0	2,888	-100.0%	0	-
Transco Zone 3 Basis	0	1,656	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	2,343	5,442	-56.9%	2,479	-5.5%
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	0	1,409	-100.0%	0	-
TRANSCO ZONE 6 INDEX	0	0	-	0	-

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Energy Futures					
UCM FUT	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	80	505	-84.2%	120	-33.3%
ULSD 10PPM CIF MED SWAP	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	0	8	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	4,500	4,390	2.5%	4,425	1.7%
UP DOWN GC ULSD VS NMX HO	47,441	43,493	9.1%	48,749	-2.7%
WAHA BASIS	1,429	4,271	-66.5%	1,749	-18.3%
WAHA INDEX SWAP FUTURE	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	0	290	-100.0%	0	-
WTI-BRENT BULLET SWAP	2,604	7,054	-63.1%	3,129	-16.8%
WTI-BRENT CALENDAR SWAP	185,499	129,674	43.1%	181,167	2.4%
WTI CALENDAR	185,191	178,756	3.6%	192,683	-3.9%
WTS (ARGUS) VS WTI SWAP	64,027	58,863	8.8%	62,467	2.5%
WTS (ARGUS) VS WTI TRD MT	5,524	3,528	56.6%	6,014	-8.1%
Energy Options					
12 MO GASOIL CAL SWAP SPR	0	0	-	0	-
BRENT 1 MONTH CAL	0	1,000	-100.0%	0	-
BRENT CALENDAR SWAP	8,978	6,191	45.0%	8,507	5.5%
BRENT CRUDE OIL 12 M CSO	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	23,850	157,658	-84.9%	25,350	-5.9%
BRENT CRUDE OIL 6 M CSO	0	0	-	0	-
BRENT OIL LAST DAY	257,457	306,228	-15.9%	248,015	3.8%
COAL API2 INDEX	280	4,545	-93.8%	255	9.8%
COAL API4 INDEX	0	25	-100.0%	0	-
COAL SWAP	0	135	-100.0%	0	-
CRUDE OIL	150	0	-	150	0.0%
CRUDE OIL 1MO	564,481	470,050	20.1%	655,949	-13.9%
CRUDE OIL APO	381,202	454,774	-16.2%	376,971	1.1%
CRUDE OIL CALNDR STRIP	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	0	3,400	-100.0%	0	-
CRUDE OIL PHY	2,453,483	2,941,114	-16.6%	2,468,180	-0.6%
ELEC MISO PEAK	0	0	-	0	-
ETHANOL	0	150	-100.0%	0	-
ETHANOL SWAP	17,017	16,985	0.2%	14,743	15.4%
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	53,701	40,571	32.4%	43,119	24.5%
HENRY HUB FINANCIAL LAST	9,840	5,406	82.0%	10,040	-2.0%
HO 1 MONTH CLNDR OPTIONS	1,000	0	-	1,000	0.0%
LLS CRUDE OIL	0	1,800	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	0	375	-100.0%	0	-
MCCLOSKEY RCH BAY COAL	450	1,150	-60.9%	150	200.0%
NATURAL GAS	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	28,000	14,991	86.8%	24,900	12.4%
NATURAL GAS 2 M CSO FIN	625	1,000	-37.5%	75	733.3%

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CME Group Exchange Open Interest Report - Monthly

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Energy Options					
NATURAL GAS 3 M CSO FIN	39,050	39,170	-0.3%	30,350	28.7%
NATURAL GAS 5 M CSO FIN	1,100	0	-	250	340.0%
NATURAL GAS 6 M CSO FIN	12,100	5,000	142.0%	11,350	6.6%
NATURAL GAS OPTION ON CALE	10,904	12,486	-12.7%	10,484	4.0%
NATURAL GAS PHY	1,734,992	1,761,058	-1.5%	1,721,032	0.8%
NATURAL GAS WINTER STRIP	1,300	0	-	1,300	0.0%
N ROCKIES PIPE SWAP	2,424	2,166	11.9%	1,878	29.1%
NY HARBOR HEAT OIL SWP	14,530	17,827	-18.5%	13,091	11.0%
NYISO ZONE G 5MW PEAK OPTI	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	0	0	-	0	-
PANHANDLE PIPE SWAP	0	2,880	-100.0%	0	-
PETROCHEMICALS	5,630	3,933	43.1%	3,098	81.7%
PETRO OUTRIGHT EURO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	682	42	1,523.8%	608	12.2%
PJM WES HUB PEAK CAL MTH	1,200	1,780	-32.6%	820	46.3%
PJM WES HUB PEAK LMP 50MW	1,061	8,298	-87.2%	1,567	-32.3%
RBOB 1MO CAL SPD OPTIONS	0	0	-	0	-
RBOB CALENDAR SWAP	144	525	-72.6%	182	-20.9%
RBOB CRACK	0	0	-	0	-
RBOB PHY	18,569	10,837	71.3%	17,279	7.5%
ROTTERDAM 3.5%FUEL OIL CL	0	0	-	0	-
SAN JUAN PIPE SWAP	1,274	1,974	-35.5%	910	40.0%
SHORT TERM	0	0	-	0	-
SHORT TERM NATURAL GAS	0	270	-100.0%	400	-100.0%
SINGAPORE GASOIL CALENDAR	0	0	-	0	-
SINGAPORE JET FUEL CALEND	0	0	-	0	-
SOCAL PIPE SWAP	0	0	-	0	-
WTI-BRENT BULLET SWAP	113,735	225,934	-49.7%	112,055	1.5%
WTI CRUDE OIL 1 M CSO FI	163,460	153,125	6.7%	141,510	15.5%

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CME Group Exchange Open Interest Report - Monthly

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FX Futures					
AD/CD CROSS RATES	3	2	50.0%	12	-75.0%
AD/JY CROSS RATES	751	1,472	-49.0%	1,230	-38.9%
AD/NE CROSS RATES	85	22	286.4%	29	193.1%
AUSTRALIAN DOLLAR	160,364	141,647	13.2%	178,633	-10.2%
BDI	0	0	-	0	-
BP/JY CROSS RATES	1,281	351	265.0%	661	93.8%
BP/SF CROSS RATES	35	38	-7.9%	192	-81.8%
BRAZIL REAL	44,517	51,608	-13.7%	55,451	-19.7%
BRITISH POUND	213,684	184,417	15.9%	226,240	-5.5%
CANADIAN DOLLAR	154,785	161,883	-4.4%	148,141	4.5%
CD/JY CROSS RATES	0	4	-100.0%	3	-100.0%
CHINESE RENMINBI (CNH)	2,813	688	308.9%	2,513	11.9%
CZECK KORUNA (EC)	6	0	-	2	200.0%
CZECK KORUNA (US)	0	0	-	0	-
EC/AD CROSS RATES	2,640	1,578	67.3%	2,693	-2.0%
EC/CD CROSS RATES	1,816	1,670	8.7%	1,785	1.7%
EC/NOK CROSS RATES	439	259	69.5%	517	-15.1%
EC/SEK CROSS RATES	533	840	-36.5%	592	-10.0%
EFX/BP CROSS RATES	25,575	33,519	-23.7%	25,600	-0.1%
EFX/JY CROSS RATES	25,412	27,027	-6.0%	27,939	-9.0%
EFX/SF CROSS RATES	12,913	8,344	54.8%	10,965	17.8%
E-MICRO AUD/USD	3,077	2,032	51.4%	6,535	-52.9%
E-MICRO CAD/USD	1,872	1,846	1.4%	2,420	-22.6%
E-MICRO CHF/USD	289	246	17.5%	396	-27.0%
E-MICRO EUR/USD	6,698	6,482	3.3%	13,735	-51.2%
E-MICRO GBP/USD	1,647	1,780	-7.5%	2,491	-33.9%
E-MICRO INR/USD	233	325	-28.3%	421	-44.7%
E-MICRO JPY/USD	1,725	1,178	46.4%	1,837	-6.1%
E-MINI EURO FX	14,151	12,632	12.0%	17,052	-17.0%
E-MINI JAPANESE YEN	556	561	-0.9%	1,035	-46.3%
EURO FX	520,747	484,609	7.5%	519,421	0.3%
HUNGARIAN FORINT (EC)	0	0	-	0	-
HUNGARIAN FORINT (US)	0	0	-	0	-
INDIAN RUPEE	2,031	1,234	64.6%	1,737	16.9%
JAPANESE YEN	137,015	166,207	-17.6%	177,698	-22.9%
KOREAN WON	693	335	106.9%	763	-9.2%
MEXICAN PESO	223,731	144,154	55.2%	265,388	-15.7%
NEW ZEALND DOLLAR	56,826	50,935	11.6%	66,182	-14.1%
NKR/USD CROSS RATE	1,860	1,420	31.0%	2,289	-18.7%
POLISH ZLOTY (EC)	3	0	-	0	-
POLISH ZLOTY (US)	74	9	722.2%	72	2.8%
RMB USD	1	0	-	1	0.0%
RUSSIAN RUBLE	74,130	20,119	268.5%	62,438	18.7%
S.AFRICAN RAND	16,603	6,655	149.5%	15,201	9.2%
SF/JY CROSS RATES	0	0	-	0	-
SHEKEL	0	0	-	0	-
SKR/USD CROSS RATES	1,302	1,721	-24.3%	1,410	-7.7%
SWISS FRANC	50,999	95,328	-46.5%	84,810	-39.9%
TURKISH LIRA	1,773	1,110	59.7%	1,801	-1.6%
USDZAR	0	0	-	0	-

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CME Group Exchange Open Interest Report - Monthly

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FX Options					
AUD/USD MONTHLY OPTIONS	50,787	60,841	-16.5%	63,023	-19.4%
AUD/USD WKLY FRIDAY OPTION	0	0	-	0	-
AUD/USD WKLY FRIDAY OPTION	3,034	3,317	-8.5%	2,615	16.0%
AUD/USD WKLY FRIDAY OPTION	960	1,122	-14.4%	1,042	-7.9%
AUD/USD WKLY FRIDAY OPTION	388	683	-43.2%	2,075	-81.3%
AUD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
AUD/USD WKLY WED OPTIONS -	1,559	1,729	-9.8%	1,221	27.7%
AUD/USD WKLY WED OPTIONS -	1,114	557	100.0%	595	87.2%
AUD/USD WKLY WED OPTIONS -	0	52	-100.0%	9	-100.0%
AUD/USD WKLY WED OPTIONS -	8	7	14.3%	200	-96.0%
AUD/USD WKLY WED OPTIONS -	0	0	-	0	-
AUSTRALIAN DLR (EU)	0	0	-	0	-
AUSTRALIAN DOLLAR	0	0	-	0	-
BRITISH POUND	0	0	-	0	-
BRITISH POUND (EU)	0	102	-100.0%	0	-
BRL/USD MONTHLY OPTIONS	56	0	-	54	3.7%
CAD/USD MONTHLY OPTIONS	45,004	78,495	-42.7%	58,005	-22.4%
CAD/USD WKLY FRIDAY OPTION	0	0	-	0	-
CAD/USD WKLY FRIDAY OPTION	3,036	4,947	-38.6%	2,250	34.9%
CAD/USD WKLY FRIDAY OPTION	605	2,831	-78.6%	745	-18.8%
CAD/USD WKLY FRIDAY OPTION	1,341	2,383	-43.7%	505	165.5%
CAD/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
CAD/USD WKLY WED OPTIONS -	3,994	3,424	16.6%	1,225	226.0%
CAD/USD WKLY WED OPTIONS -	1,124	2,577	-56.4%	1,328	-15.4%
CAD/USD WKLY WED OPTIONS -	113	3	3,666.7%	6	1,783.3%
CAD/USD WKLY WED OPTIONS -	0	103	-100.0%	326	-100.0%
CAD/USD WKLY WED OPTIONS -	0	0	-	0	-
CANADIAN DOLLAR	0	0	-	0	-
CANADIAN DOLLAR (EU)	0	0	-	0	-
CHF/USD MONTHLY OPTIONS	3,993	5,949	-32.9%	4,596	-13.1%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-
CHF/USD WKLY FRIDAY OPTION	101	293	-65.5%	23	339.1%
CHF/USD WKLY FRIDAY OPTION	172	1	17,100.0%	0	-
CHF/USD WKLY FRIDAY OPTION	2	300	-99.3%	28	-92.9%
CHF/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-
EUR/JPY MONTHLY OPTIONS	0	0	-	0	-
EURO FX	0	0	-	0	-
EURO FX (EU)	0	14	-100.0%	0	-
EUR/USD MONTHLY OPTIONS	205,937	294,182	-30.0%	233,424	-11.8%
EUR/USD WKLY FRIDAY OPTION	0	0	-	0	-
EUR/USD WKLY FRIDAY OPTION	9,162	6,937	32.1%	3,785	142.1%
EUR/USD WKLY FRIDAY OPTION	4,093	6,191	-33.9%	2,409	69.9%
EUR/USD WKLY FRIDAY OPTION	3,540	2,351	50.6%	2,165	63.5%
EUR/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
EUR/USD WKLY WED OPTIONS -	10,885	8,402	29.6%	3,933	176.8%
EUR/USD WKLY WED OPTIONS -	2,909	2,852	2.0%	2,338	24.4%
EUR/USD WKLY WED OPTIONS -	1,171	123	852.0%	583	100.9%
EUR/USD WKLY WED OPTIONS -	563	304	85.2%	0	-
EUR/USD WKLY WED OPTIONS -	0	0	-	0	-
GBP/USD MONTHLY OPTIONS	80,458	115,981	-30.6%	126,402	-36.3%

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CME Group Exchange Open Interest Report - Monthly

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FX Options					
GBP/USD WKLY FRIDAY OPTION	0	0	-	0	-
GBP/USD WKLY FRIDAY OPTION	1,947	7,438	-73.8%	1,104	76.4%
GBP/USD WKLY FRIDAY OPTION	1,279	2,999	-57.4%	713	79.4%
GBP/USD WKLY FRIDAY OPTION	292	2,550	-88.5%	479	-39.0%
GBP/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
GBP/USD WKLY WED OPTIONS -	1,305	2,232	-41.5%	1,157	12.8%
GBP/USD WKLY WED OPTIONS -	409	469	-12.8%	814	-49.8%
GBP/USD WKLY WED OPTIONS -	0	235	-100.0%	20	-100.0%
GBP/USD WKLY WED OPTIONS -	0	60	-100.0%	0	-
GBP/USD WKLY WED OPTIONS -	0	0	-	0	-
JAPANESE YEN	0	0	-	0	-
JAPANESE YEN (EU)	0	0	-	0	-
JPY/USD MONTHLY OPTIONS	105,649	104,367	1.2%	153,042	-31.0%
JPY/USD WKLY FRIDAY OPTION	0	0	-	0	-
JPY/USD WKLY FRIDAY OPTION	4,879	3,478	40.3%	3,802	28.3%
JPY/USD WKLY FRIDAY OPTION	2,509	2,465	1.8%	1,733	44.8%
JPY/USD WKLY FRIDAY OPTION	1,241	1,887	-34.2%	1,957	-36.6%
JPY/USD WKLY FRIDAY OPTION	0	0	0.0%	0	0.0%
JPY/USD WKLY WED OPTIONS -	4,358	1,733	151.5%	2,579	69.0%
JPY/USD WKLY WED OPTIONS -	1,834	1,624	12.9%	1,146	60.0%
JPY/USD WKLY WED OPTIONS -	264	13	1,930.8%	988	-73.3%
JPY/USD WKLY WED OPTIONS -	183	25	632.0%	44	315.9%
JPY/USD WKLY WED OPTIONS -	0	0	-	0	-
MXN/USD MONTHLY OPTIONS	1,552	2,837	-45.3%	2,384	-34.9%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	50	50	0.0%	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	1	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD MONTHLY OPTIONS	230	0	-	226	1.8%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-
SWISS FRANC	0	0	-	0	-
SWISS FRANC (EU)	0	0	-	0	-
Foreign Exchange Futures					
CHILEAN PESO	0	340	-100.0%	10	-100.0%
Foreign Exchange Options					
AUD/USD WKLY WED OPTIONS -	32	1	3,100.0%	214	-85.0%
Ags Futures					
FERTILIZER PRODUCS	2,005	1,510	32.8%	1,700	17.9%

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Ag Products Futures					
BUTTER CS	8,554	7,718	10.8%	8,914	-4.0%
CASH-SETTLED CHEESE	20,931	26,376	-20.6%	21,036	-0.5%
CATTLE	349,957	325,351	7.6%	376,735	-7.1%
CAT WEATHER EUROPEAN	1,200	0	-	3,200	-62.5%
CDD SEASONAL STRIP	450	600	-25.0%	450	0.0%
CDD WEATHER	6,925	0	-	6,875	0.7%
CHI WHEAT	366,960	472,611	-22.4%	439,739	-16.6%
CLASS IV MILK	8,958	1,570	470.6%	9,089	-1.4%
COCOA TAS	0	0	-	0	-
COFFEE	0	0	-	0	-
CORN	1,730,941	1,840,933	-6.0%	1,809,846	-4.4%
COTTON	4	0	-	0	-
DJ_UBS ROLL SELECT INDEX FU	1,807	2,951	-38.8%	1,909	-5.3%
DOW-UBS COMMOD INDEX	22,713	55,518	-59.1%	33,761	-32.7%
DRY WHEY	2,964	4,079	-27.3%	3,052	-2.9%
FEEDER CATTLE	48,783	46,718	4.4%	50,392	-3.2%
FERTILIZER PRODUCTS	3,990	3,815	4.6%	3,725	7.1%
GOLDMAN SACHS	13,388	15,113	-11.4%	13,381	0.1%
GSCI EXCESS RETURN FUT	45,062	55,372	-18.6%	52,653	-14.4%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	295,022	231,537	27.4%	314,774	-6.3%
HOUSING INDEX	45	39	15.4%	45	0.0%
Intercommodity Spread	0	0	-	0	-
KC WHEAT	259,900	248,658	4.5%	317,670	-18.2%
LUMBER	2,627	6,147	-57.3%	4,304	-39.0%
MALAYSIAN PALM SWAP	21,724	22,300	-2.6%	23,124	-6.1%
MILK	23,635	23,911	-1.2%	24,306	-2.8%
MINI CORN	11,937	12,718	-6.1%	12,830	-7.0%
MINI SOYBEAN	9,990	26,397	-62.2%	12,555	-20.4%
MINI WHEAT	1,023	1,696	-39.7%	2,043	-49.9%
MLK MID OPTIONS	0	0	-	0	-
NFD MILK	10,045	6,851	46.6%	9,827	2.2%
OATS	4,776	4,792	-0.3%	7,660	-37.7%
ROUGH RICE	6,002	7,453	-19.5%	7,691	-22.0%
SOYBEAN	642,446	806,184	-20.3%	780,867	-17.7%
SOYBEAN MEAL	438,060	504,119	-13.1%	494,394	-11.4%
SOYBEAN OIL	416,877	490,024	-14.9%	532,951	-21.8%
S&P GSCI ENHANCED ER SWAP	3,851	3,851	0.0%	3,762	2.4%
SUGAR 11	0	58	-100.0%	0	-
USD CRUDE PALM OIL	3,750	4,600	-18.5%	3,590	4.5%
WHEAT	23,501	24,180	-2.8%	20,913	12.4%
Ag Products Options					
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-
BUTTER CS	12,548	15,988	-21.5%	14,357	-12.6%
CASH-SETTLED CHEESE	28,818	40,844	-29.4%	30,734	-6.2%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2019	Open Interest JUN 2018	% CHG	Open Interest MAY 2019	% CHG
Ag Products Options					
CATTLE	186,025	184,050	1.1%	211,778	-12.2%
CAT WEATHER EUROPEAN	0	0	-	2,000	-100.0%
CDD SEASONAL STRIP	5,000	700	614.3%	5,000	0.0%
CDD WEATHER	0	0	-	0	-
CHI WHEAT	355,638	353,773	0.5%	446,524	-20.4%
CLASS IV MILK	13,775	3,913	252.0%	14,133	-2.5%
CORN	1,776,689	1,807,412	-1.7%	1,884,241	-5.7%
CORN NEARBY+2 CAL SPRD	20,224	6,178	227.4%	14,265	41.8%
DEC-DEC CORN CAL SPRD	7,085	3,128	126.5%	6,411	10.5%
DEC-JULY CORN CAL SPRD	11,458	3,160	262.6%	10,868	5.4%
DEC-JULY WHEAT CAL SPRD	0	0	-	0	-
DRY WHEY	3,502	3,280	6.8%	3,788	-7.6%
FEEDER CATTLE	38,234	30,206	26.6%	29,177	31.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-
HDD SEASONAL STRIP	0	0	-	0	-
HDD WEATHER	0	0	-	0	-
HDD WEATHER EUROPEAN	0	0	-	0	-
HOGS	420,194	156,513	168.5%	433,265	-3.0%
HOUSING INDEX	7	2	250.0%	0	-
Intercommodity Spread	0	900	-100.0%	440	-100.0%
JAN-MAY SOYBEAN CAL SPRD	0	0	-	0	-
JULY-DEC CORN CAL SPRD	2,305	0	-	7,995	-71.2%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	1,200	-100.0%
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-
JULY-DEC WHEAT CAL SPRD	0	0	-	1,550	-100.0%
JULY-NOV SOYBEAN CAL SPRD	0	0	-	6,196	-100.0%
KC WHEAT	62,763	47,030	33.5%	94,487	-33.6%
LUMBER	1,393	1,222	14.0%	1,697	-17.9%
LV CATL CSO	40	38	5.3%	65	-38.5%
MAR-JULY CORN CAL SPRD	0	0	-	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-
MILK	74,815	85,465	-12.5%	78,394	-4.6%
MLK MID OPTIONS	170	350	-51.4%	202	-15.8%
NFD MILK	18,932	18,117	4.5%	21,062	-10.1%
NOV-JULY SOYBEAN CAL SPRD	3,000	0	-	3,000	0.0%
NOV-MAR SOYBEAN CSO	20	70	-71.4%	20	0.0%
NOV-NOV SOYBEAN CAL SPRD	864	5	17,180.0%	114	657.9%
OATS	640	585	9.4%	1,147	-44.2%
ROUGH RICE	1,560	1,307	19.4%	2,394	-34.8%
SEP-DEC SOYBEAN MEAL CSO	0	716	-100.0%	0	-
SOYBEAN	544,648	699,928	-22.2%	660,028	-17.5%
SOYBEAN CRUSH	4	47	-91.5%	4	0.0%
SOYBEAN MEAL	106,086	184,926	-42.6%	140,677	-24.6%
SOYBEAN OIL	61,588	72,730	-15.3%	91,597	-32.8%
SOYBN NEARBY+2 CAL SPRD	5,500	10	54,900.0%	5,500	0.0%
SOYMEAL NEARBY+2 CAL SPRD	0	100	-100.0%	450	-100.0%
WHEAT	17,089	0	-	15,955	7.1%
WHEAT-CORN IC SO	0	300	-100.0%	1,890	-100.0%
WHEAT NEARBY+2 CAL SPRD	450	1,215	-63.0%	885	-49.2%

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CME Group Exchange Open Interest Report - Monthly

	Open Interest JUN 2019	Open Interest JUN 2018	% CHG	Open Interest MAY 2019	% CHG
TOTAL FUTURES GROUP					
Interest Rate Futures	30,063,806	27,596,762	8.9%	31,356,379	-4.1%
Equity Index Futures	3,888,395	4,192,597	-7.3%	4,232,439	-8.1%
Metals Futures	1,267,516	1,186,521	6.8%	1,177,144	7.7%
Energy Futures	10,348,906	14,256,806	-27.4%	10,571,144	-2.1%
FX Futures	1,765,688	1,616,287	9.2%	1,928,331	-8.4%
Foreign Exchange Futures	0	340	-100.0%	10	-100.0%
Ags Futures	2,005	1,510	32.8%	1,700	17.9%
Ag Products Futures	4,808,798	5,284,240	-9.0%	5,408,063	-11.1%
TOTAL FUTURES	52,145,114	54,135,063	-3.7%	54,675,210	-4.6%
TOTAL OPTIONS GROUP					
Interest Rate Options	73,034,004	44,471,307	64.2%	71,252,930	2.5%
Equity Index Options	3,853,523	3,861,881	-0.2%	4,734,176	-18.6%
Metals Options	1,768,147	1,418,496	24.6%	1,442,223	22.6%
Energy Options	5,922,893	6,675,023	-11.3%	5,945,792	-0.4%
FX Options	564,090	741,515	-23.9%	687,099	-17.9%
Foreign Exchange Options	32	1	3,100.0%	214	-85.0%
Ag Products Options	3,781,064	3,724,208	1.5%	4,243,490	-10.9%
TOTAL OPTIONS	88,923,753	60,892,431	46.0%	88,305,924	0.7%
TOTAL COMBINED					
Interest Rate	103,097,810	72,068,069	43.1%	102,609,309	0.5%
Equity Index	7,741,918	8,054,478	-3.9%	8,966,615	-13.7%
Metals	3,035,663	2,605,017	16.5%	2,619,367	15.9%
Energy	16,271,799	20,931,829	-22.3%	16,516,936	-1.5%
FX	2,329,778	2,357,802	-1.2%	2,615,430	-10.9%
Foreign Exchange	32	341	-90.6%	224	-85.7%
Ags	2,005	1,510	32.8%	1,700	17.9%
Ag Products	8,589,862	9,008,448	-4.6%	9,651,553	-11.0%
GRAND TOTAL	141,068,867	115,027,494	22.6%	142,981,134	-1.3%

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