



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Interest Rate Futures</b>												
30-YR BOND	14,377	23,294	-38.3%	5,345,135	5,117,547	0.04	154,829	179,806	-13.9%	53,154,700	50,805,895	4.6%
10-YR NOTE	94,048	122,974	-23.5%	26,846,713	23,101,233	0.16	1,147,564	1,283,201	-10.6%	273,051,003	250,498,462	9.0%
5-YR NOTE	14,870	23,744	-37.4%	14,119,219	11,565,628	0.22	196,965	258,573	-23.8%	160,072,339	139,328,567	14.9%
2-YR NOTE	2,936	80	3,570.0%	5,909,942	5,309,288	0.11	15,645	8,093	93.3%	63,762,179	56,438,861	13.0%
FED FUND	0	0	0.0%	4,084,690	3,739,761	0.09	30	0	0.0%	38,942,973	25,427,552	53.2%
EURODOLLARS	626,060	388,932	61.0%	53,616,859	48,518,680	0.11	5,541,844	4,909,542	12.9%	479,347,129	455,873,018	5.1%
5-YR SWAP RATE	0	0	0.0%	60,104	78,931	-0.24	0	0	0.0%	413,129	529,362	-22.0%
2-YR SWAP RATE	0	0	0.0%	0	1	-1	0	0	0.0%	0	4,414	-100.0%
10-YR SWAP RATE	0	0	0.0%	68,854	78,054	-0.12	0	0	0.0%	401,705	416,821	-3.6%
7-YR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	3,052	-100.0%
1-MONTH EURODOLLAR	0	0	0.0%	2,893	587	3.93	0	0	0.0%	45,264	10,321	338.6%
ULTRA T-BOND	0	60	-100.0%	2,083,914	1,674,138	0.24	15	126	-88.1%	22,596,986	19,588,832	15.4%
Ultra 10-Year Note	0	0	0.0%	2,212,570	1,398,688	0.58	8	28	-71.4%	19,589,232	10,162,190	92.8%
30-YR SWAP RATE	0	0	0.0%	702	2,370	-0.7	0	0	0.0%	10,078	15,674	-35.7%
2YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
3YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 5YR BUNDLE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Interest Rate Options</b>												
30-YR BOND	308,204	413,748	-25.5%	2,389,870	1,697,213	0.41	2,369,090	2,608,399	-9.2%	18,426,920	13,013,174	41.6%
10-YR NOTE	1,919,052	1,885,921	1.8%	10,086,666	5,179,884	0.95	20,099,855	20,462,104	-1.8%	75,780,310	46,861,256	61.7%
5-YR NOTE	474,726	581,763	-18.4%	1,960,849	1,176,052	0.67	4,949,408	5,842,962	-15.3%	17,470,715	11,891,298	46.9%
2-YR NOTE	163,365	25,181	548.8%	223,999	144,287	0.55	575,572	372,141	54.7%	922,690	963,337	-4.2%
FED FUND	2,700	15,376	-82.4%	0	2,569	-1	14,398	68,001	-78.8%	1,407	13,309	-89.4%
EURODOLLARS	7,137,812	9,247,607	-22.8%	3,705,799	2,908,881	0.27	75,167,205	94,436,735	-20.4%	35,905,953	26,844,614	33.8%
EURO MIDCURVE	8,480,060	4,635,093	83.0%	7,194,571	2,092,468	2.44	76,748,925	58,428,946	31.4%	48,656,060	26,312,070	84.9%
ULTRA T-BOND	943	4,827	-80.5%	3,175	9,970	-0.68	10,790	18,414	-41.4%	15,781	41,499	-62.0%
Ultra 10-Year Note	0	2,300	-100.0%	0	10,655	-1	952	5,575	-82.9%	6,835	15,496	-55.9%

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<b>Equity Index Futures</b>												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI S&P500	0	0	0.0%	33,269,343	49,659,658	-0.33	0	0	0.0%	281,912,462	364,822,476	-22.7%
S&P 500	135,054	219,948	-38.6%	3,236	9,160	-0.65	665,109	1,078,527	-38.3%	39,166	93,799	-58.2%
S&P 600 SMALLCAP EMINI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI MIDCAP	0	0	0.0%	411,458	596,353	-0.31	0	0	0.0%	3,258,413	3,999,416	-18.5%
S&P 400 MIDCAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P 500 GROWTH	0	0	0.0%	85	41	1.07	0	0	0.0%	232	208	11.5%
S&P 500/VALUE	0	0	0.0%	4,188	553	6.57	0	0	0.0%	67,360	27,202	147.6%
E-MINI RUSSELL 2000	0	-	-	2,822,378	-	-	0	-	-	3,404,441	-	-
E-MINI RUSSELL 1000	0	0	0.0%	4,818	243	18.83	0	0	0.0%	17,239	4,023	328.5%
E-MINI NASDAQ 100	0	0	0.0%	6,729,943	6,499,531	0.04	0	0	0.0%	50,599,860	50,599,592	0.0%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	274,544	324,186	-0.15	0	0	0.0%	2,352,757	3,493,173	-32.6%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	852,391	1,141,610	-0.25	0	0	0.0%	8,049,488	11,554,601	-30.3%
DJ US REAL ESTATE	0	0	0.0%	26,324	18,602	0.42	0	0	0.0%	141,586	104,566	35.4%
NASDAQ BIOTECH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MICRO NIFTY	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	32,441	13,881	1.34	0	0	0.0%	78,550	69,670	12.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	15,505	9,569	0.62	0	0	0.0%	83,994	70,262	19.5%
S&P TECHNOLOGY SECTOR	0	0	0.0%	13,151	9,621	0.37	0	0	0.0%	49,392	45,769	7.9%
S&P INDUSTRIAL SECTOR	0	0	0.0%	9,453	3,971	1.38	0	0	0.0%	42,253	25,502	65.7%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	6,450	6,360	0.01	0	0	0.0%	37,786	43,952	-14.0%
S&P UTILITIES SECTOR	0	0	0.0%	33,802	12,744	1.65	0	0	0.0%	136,501	107,639	26.8%
S&P FINANCIAL SECTOR	0	0	0.0%	25,292	11,996	1.11	0	0	0.0%	143,232	63,002	127.3%
S&P ENERGY SECTOR	0	0	0.0%	15,450	15,798	-0.02	0	0	0.0%	95,757	84,752	13.0%
S&P MATERIALS SECTOR	0	0	0.0%	10,791	6,833	0.58	0	0	0.0%	53,741	40,602	32.4%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	2,852	255	10.18	0	0	0.0%	12,160	2,610	365.9%
FT-SE 100	0	0	0.0%	907	441	1.06	0	0	0.0%	4,731	5,881	-19.6%
IBOVESPA INDEX	0	0	0.0%	192	519	-0.63	0	0	0.0%	5,387	5,998	-10.2%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	4,284	306	13	0	0	0.0%	19,140	4,305	344.6%
NIFTY 50	0	0	0.0%	18,228	22,979	-0.21	0	0	0.0%	102,998	90,777	13.5%
E-MINI S&P REAL ESTATE SEL	0	0	0.0%	2,554	1,072	1.38	0	0	0.0%	23,367	1,075	2,073.7%
E-mini (\$5) Dow	0	0	0.0%	2,665,716	4,032,267	-0.34	0	0	0.0%	25,082,238	32,363,163	-22.5%
FTSE Emerging	0	0	0.0%	41	160	-0.74	0	0	0.0%	269	1,357	-80.2%

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<b>Equity Index Futures</b>												
E-mini FTSE 100 (USD)	0	0	0.0%	266	0	0	0	0	0.0%	386	373	3.5%
E-mini FTSE China 50	0	0	0.0%	1,449	833	0.74	0	0	0.0%	13,045	7,784	67.6%
<b>Equity Index Options</b>												
DJIA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MINI S&P500	0	0	0.0%	4,585,072	4,566,839	0	1,935	110,315	-98.2%	37,701,121	46,186,264	-18.4%
S&P 500	320,586	208,661	53.6%	0	0	0	2,862,171	4,888,093	-41.4%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	0	1	-1	0	0	0.0%	0	17	-100.0%
E-MINI RUSSELL 2000	0	-	-	10,761	-	-	0	-	-	19,673	-	-
E-MINI NASDAQ 100	0	0	0.0%	230,746	226,932	0.02	0	0	0.0%	2,047,454	2,014,119	1.7%
NASDAQ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EOM S&P 500	218,798	232,428	-5.9%	0	0	0	1,614,894	1,601,900	0.8%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	2,073,790	2,454,627	-0.16	0	0	0.0%	17,956,089	15,042,883	19.4%
EOW1 S&P 500	73,833	67,367	9.6%	0	0	0	769,660	532,139	44.6%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	741,584	1,081,353	-0.31	0	0	0.0%	9,476,222	8,773,016	8.0%
EOW2 S&P 500	136,564	154,814	-11.8%	0	0	0	1,461,130	1,178,766	24.0%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	612,816	1,216,922	-0.5	0	0	0.0%	9,615,381	9,083,066	5.9%
EOW4 EMINI S&P 500	0	0	0.0%	986,983	1,605,212	-0.39	0	0	0.0%	8,560,142	10,267,526	-16.6%
EOW3 S&P 500	360,150	319,152	12.8%	0	0	0	3,174,627	2,038,521	55.7%	0	0	0.0%
EOW3 EMINI S&P 500	0	0	0.0%	2,524,133	3,617,473	-0.3	3,000	27,000	-88.9%	30,570,939	15,668,092	95.1%
EOM3 E-MINI S&P 500 END OF	0	-	-	1,704	-	-	0	-	-	2,400	-	-
E-mini (\$5) Dow	0	0	0.0%	4,174	5,410	-0.23	0	0	0.0%	46,928	102,449	-54.2%
E-mini Russell 2000	0	-	-	20,647	-	-	0	-	-	26,244	-	-
E-mini Russell 2000	0	-	-	3,052	-	-	0	-	-	4,690	-	-

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<b>Metals Futures</b>												
COMEX GOLD	0	5,793	-100.0%	6,981,728	3,772,545	0.85	0	88,064	-100.0%	50,526,278	40,819,895	23.8%
COMEX MINY COPPER	0	0	0.0%	401	271	0.48	0	0	0.0%	6,554	4,804	36.4%
COMEX SILVER	0	777	-100.0%	1,696,173	1,266,361	0.34	0	9,422	-100.0%	16,881,039	13,172,064	28.2%
COMEX COPPER	0	0	0.0%	2,282,240	1,285,331	0.78	0	850	-100.0%	19,052,976	14,890,729	28.0%
NYMEX HOT ROLLED STEEL	0	0	0.0%	786	153	4.14	0	0	0.0%	2,748	4,189	-34.4%
NYMEX PLATINUM	0	0	0.0%	508,939	435,305	0.17	0	38	-100.0%	3,443,206	2,783,872	23.7%
URANIUM	0	0	0.0%	0	0	0	0	0	0.0%	427	993	-57.0%
PALLADIUM	0	0	0.0%	76,656	84,492	-0.09	0	63	-100.0%	1,033,277	965,115	7.1%
E-MICRO GOLD	0	0	0.0%	126,540	45,233	1.8	0	0	0.0%	839,889	769,205	9.2%
GOLD	0	-	-	0	-		0	-	-	1	-	-
ALUMINUM	0	0	0.0%	668	692	-0.03	0	0	0.0%	6,655	14,104	-52.8%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SILVER	0	0	0.0%	5,614	7,214	-0.22	0	0	0.0%	53,419	77,976	-31.5%
Gold Kilo	0	0	0.0%	294	3,914	-0.92	0	0	0.0%	3,123	43,935	-92.9%
COMEX E-Mini SILVER	0	0	0.0%	419	1,068	-0.61	0	0	0.0%	7,613	11,246	-32.3%
COMEX E-Mini GOLD	0	0	0.0%	9,049	9,810	-0.08	0	0	0.0%	75,000	98,442	-23.8%
LNDN ZINC	0	0	0.0%	10	0	0	0	0	0.0%	95	200	-52.5%
METALS	0	0	0.0%	0	10	-1	0	0	0.0%	0	25	-100.0%
FERROUS PRODUCTS	0	0	0.0%	50	0	0	0	0	0.0%	85	0	0.0%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTU	0	0	0.0%	127	342	-0.63	0	0	0.0%	2,590	4,798	-46.0%
IRON ORE 58 CHINA TSI FUTU	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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<b>Metals Options</b>												
COMEX GOLD	0	27,785	-100.0%	819,893	474,094	0.73	0	576,161	-100.0%	5,887,525	5,124,702	14.9%
COMEX SILVER	0	5,218	-100.0%	119,402	119,932	0	0	71,014	-100.0%	996,933	902,812	10.4%
COMEX COPPER	0	115	-100.0%	17,787	3,072	4.79	0	1,188	-100.0%	54,129	21,368	153.3%
NYMEX PLATINUM	0	64	-100.0%	1,196	1,173	0.02	0	2,254	-100.0%	9,929	6,902	43.9%
PALLADIUM	0	0	0.0%	1,543	287	4.38	0	322	-100.0%	10,391	2,281	355.5%
GOLD	0	50	-100.0%	14,395	3,227	3.46	0	666	-100.0%	109,682	32,506	237.4%
COPPER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SILVER	0	0	0.0%	23	547	-0.96	0	0	0.0%	1,428	796	79.4%
IRON ORE 62 CHINA TSI CALL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI PUT O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
<b>Energy Futures</b>												
ETHANOL	0	0	0.0%	6,012	12,985	-0.54	0	0	0.0%	118,065	126,123	-6.4%
ETHANOL FWD	-	0	0.0%	-	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	0	403	-1	0	0	0.0%	0	920	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	1,209	-1	0	0	0.0%	0	1,945	-100.0%
HEATING OIL VS ICE GASOIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
FUEL OIL CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL NWE CRACK VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEXOK INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	31,882	40,781	-0.22	0	800	-100.0%	319,535	165,587	93.0%
HTG OIL	0	0	0.0%	0	0	0	0	36	-100.0%	84	0	0.0%
LTD NAT GAS	0	0	0.0%	137,908	64,847	1.13	0	0	0.0%	1,108,365	643,609	72.2%
GASOIL MINI CALENDAR SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 ROTTERDAM BAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
PANHANDLE PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,592,290	1,550,231	0.03	0	344	-100.0%	17,338,628	17,358,138	-0.1%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CARGOES CIF NE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF NWE VS ISE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY H OIL PLATTS VS NYMEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS (ARGUS) VS WTI TRD M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI TRD MT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 180CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 3.5% FUEL OIL RDAM B	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO 1% FUEL OIL NEW BALM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR 1% FUEL OIL BAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST 3% FUEL OIL BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLD 10P FOB MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10P CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CRG CIF NW VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT CFD SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JET FUEL CRG CIF NEW VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CID MED SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN FAR EST IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL BRG FOB RDM VS I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AECO DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
PJM JCPL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PEPCO DA OFF-PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM PPL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PPL DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PSEG DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTHDA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WESTH RT OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ALGONQUIN CITYGATES BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	0	-	-	0	-		0	-	-	0	-	-
MICHCON NG INDEX SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIG ROCKIES NG INDEX SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE GASOIL BALMO SWAP	0	-	-	0	-		0	-	-	0	-	-
ULSD 10PPM CIF NW BALMO S	0	-	-	0	-		0	-	-	0	-	-
ULSD 10PPM CIF MED BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Tetco ELA Basis	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PANHANDLE INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET FUEL CLNDR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL NWE CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL 180CST CAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST NO.6 FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE G PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHERN ILLINOIS OFF-PEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
AEP-DAYTON HUB DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL SPREA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KERO GASOI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRAN INC - APP I	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	0	25	-100.0%	3,350,745	3,036,690	0.1	0	786	-100.0%	30,549,453	26,981,894	13.2%
GASOIL 10PPM CARGOES CIF	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 BRGS FOB VS IC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10P BRG FOB RDM VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS PROPAN(SAUDI ARAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AEEO DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY HTG OIL	0	0	0.0%	4	5	-0.2	0	0	0.0%	25	88	-71.6%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	17,406	21,907	-0.21	0	0	0.0%	218,745	220,488	-0.8%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	36	0	0.0%
UP DOWN GC ULSD VS NMX H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA JET (OPIS) SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ULSD UP-DOWN BALMO SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET FUEL UP-DOWN BALMO C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EIA FLAT TAX ONHWAY DIESE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	0	0	0.0%	0	0	0	0	0	0.0%	60	0	0.0%
JAPAN NAPHTHA BALMO SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY 2.2% FUEL OIL (PLATTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	0	-	-	0	-		0	-	-	0	-	-
RBOB GASOLINE BALMO CLNC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE UP-DOWN BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
TRANSCO ZONE 4 NAT GAS IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF MAIN NAT G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOUTHERN NAT LA NAT GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FL GAS ZONE 3 NAT GAS IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0	0	0	0.0%	0	122	-100.0%
HENRY HUB FINANCIAL LAST	0	-	-	815	-		0	-	-	1,547	-	-
TENNESSEE 800 LEG NG BASI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 1 NG BASIS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ONEOK OKLAHOMA NG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM NI HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL CNCTCT 5MW D AH O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL SE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW D AH PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM AD HUB 5MW REAL TIME	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
CIN HUB 5MW D AH O PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIN HUB 5MW REAL TIME O P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	0	40	-100.0%	3,872,264	4,286,174	-0.1	0	509	-100.0%	36,343,131	32,417,870	12.1%
SING FUEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) CALENDAR SWA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB VS HEATING OIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS DEM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL IND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE JET KERO NWE CALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY WTI CRUDE OIL	0	0	0.0%	245,647	306,798	-0.2	0	0	0.0%	2,365,139	2,621,006	-9.8%
NEW ENGLAND HUB PEAK DAI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROCKIES KERN OPAL - NW IN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PHY	0	5	-100.0%	8,199,047	7,425,242	0.1	0	1,538	-100.0%	74,691,591	66,468,497	12.4%
APPALACHIAN COAL (PHY)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	0	0.0%	0	0	0	0	1,069	-100.0%	0	0	0.0%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	2,996	31	9,564.5%
DEMARC INDEX FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREMIUM UNLEAD 10PPM FOB	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO UNL GAS PL VS RBO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL PHY	0	483	-100.0%	27,030,260	23,781,414	0.14	0	19,631	-100.0%	232,153,364	196,625,316	18.1%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	5	0	0.0%
ISO NEW ENGLAND PK LMP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ETHANOL SWAP	0	0	0.0%	299	398	-0.25	0	0	0.0%	2,236	10,482	-78.7%
NEW YORK ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL BULLET SWAP	0	-	-	0	-		0	-	-	0	-	-
EURO PROPANE CIF ARA SW	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARBOB GASOLINE(OPIS)S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS (ARGUS) VS WTI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	15	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
MINY RBOB GAS	0	0	0.0%	4	8	-0.5	0	0	0.0%	39	42	-7.1%
RBOB GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB UP-DOWN CALENDAR S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL 1	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	0	0.0%	0	9	-1	0	39	-100.0%	3	12	-75.0%
LA JET FUEL VS NYM NO 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ANR OKLAHOMA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN BASIS	0	0	0.0%	0	186	-1	0	0	0.0%	0	735	-100.0%
Sumas Basis Swap	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	0	0	0.0%	0	0	0	0	0	0.0%	0	31	-100.0%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	0	0	0.0%	0	93	-1	0	0	0.0%	0	336	-100.0%
TCO BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CIG BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF ONSHORE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Tetco STX Basis	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB SWING FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EL PASO PERMIAN INDEX SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	2,996	0	0.0%
WAHA INDEX SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST GASOLINE CLND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE NAPHTHA CALSWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 1% FUEL OIL RDAM C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE BASIS SWAP FUT	0	0	0.0%	0	31	-1	0	0	0.0%	0	732	-100.0%
SAN JUAN BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL BASIS SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
NYISO A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO J	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST JET VS NYM 2 H	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR RESIDUAL FUEL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10 CAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL MIDCONTINENT SWING	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DEMARC SWING SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CENTERPOINT EAST INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	407	0	0.0%
BRENT FINANCIAL FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	120	0	0.0%
DATED TO FRONTLINE BRENT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ICE BRENT DUBAI SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN NAPHTHA CRACK S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET CIF NWE VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET BARGES VS ICE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	0	0.0%	4	0	0	0	92	-100.0%	62	0	0.0%
WESTERN RAIL DELIVERY PR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EASTERN RAIL DELIVERY CSX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPE DATED BRENT SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TC5 RAS TANURA TO YOKOHA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TC2 ROTTERDAM TO USAC 37	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM OFF-PEAK LMP SWAP FU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO A OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO G OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
N ILLINOIS HUB DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUELOIL SWAP:CARGOES VS.	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EAST/WEST FUEL OIL SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE 380CST FUEL OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET KEROSENE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE NAPHTHA SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SONAT BASIS SWAP FUTURE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FLORIDA GAS ZONE3 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	646	-100.0%
ANR LOUISIANA BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE 500 LEG BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TENNESSEE ZONE 0 BASIS S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CINERGY HUB OFF-PEAK MON	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GULF COAST ULSD CALEND	0	0	0.0%	0	0	0	0	0	0.0%	0	3	-100.0%
GULF COAST ULSD CRACK SP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HENRY HUB SWAP	0	0	0.0%	1,159	167,389	-0.99	0	1,472	-100.0%	61,064	1,756,044	-96.5%
DUBAI CRUDE OIL CALENDAR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
USGC UNL 87 CRACK SPREAD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYH NO 2 CRACK SPREAD CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL T2 FOB ROTT INCL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE MOGAS 92 UNLEA	0	0	0.0%	0	0	0	0	0	0.0%	5	0	0.0%
PROPANE NON-LDH MT. BEL (	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PROPANE NON-LDH MB (OPIS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY JET FUEL (PLATTS) HEAT C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JET AV FUEL (P) CAR FM ICE G	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FUEL OIL (PLATS) CAR CN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY ULSD (ARGUS) VS HEATIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK C	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
IN DELIVERY MONTH EUA	0	0	0.0%	0	0	0	0	0	0.0%	0	225	-100.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
DATED BRENT (PLATTS) DAILY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GAS EURO-BOB OXY NWE BA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PREM UNL GAS 10PPM RDAM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE 5 DEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	51	19	1.68	0	0	0.0%	282	158	78.5%
EUROPEAN GASOIL (ICE)	0	0	0.0%	901	6,428	-0.86	0	0	0.0%	28,409	1,467,529	-98.1%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT HOUSTON Z MCPE 5M	0	-	-	0	-		0	-	-	0	-	-
SINGAPORE JET KERO VS. GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NORMAL BUTA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU ETHANE OPIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU LDH PROPANE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NORMAL BUTANE (O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY NATURAL GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CONWAY PROPANE 5 DECIMA	0	0	0.0%	7	0	0	0	0	0.0%	51	0	0.0%
PETROCHEMICALS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MONT BELVIEU NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MARS BLEND CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	200	0	0.0%
NYMEX ALUMINUM FUTURES	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL 0.1 CIF MED BALMO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DIESEL 10PPM BARGES FOB B	0	-	-	0	-		0	-	-	0	-	-
RBOB (PLATTS) CAL SWAP	0	-	-	0	-		0	-	-	0	-	-
PJM DUQUESNE 5MW D AH PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DUQUS 5MW D AH O PK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
PETRO CRK&SPRD EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE ULSD(PLT)VS HEA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL CRCK SPRD BAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GRP THREE UNL GS (PLT) VS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50 M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FREIGHT MARKETS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL NEW HAMP 5MW D A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELECTRICITY OFF PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL BALMO CLNDR S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL SPRDS	0	0	0.0%	0	0	0	0	0	0.0%	50	0	0.0%
PJM APS ZONE DA PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NAT GAS BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PLASTICS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MNC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 PIPE SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GC ULSD VS GC JET SPREAD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PETRO CRCKS & SPRDS NA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALEND A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJC FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NGPL TEX/OK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE GASOIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
TENN 800 LEG NAT GAS INDE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDONESIAN COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY PJM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
INDIANA MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO CAPACITY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
VENTURA NAT GAS PLATTS FI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EMMISSIONS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DIESEL10PPM BARG VS ICE LS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NATURAL GAS FIXED PRICE S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
3.5% FUEL OIL CIF BALMO S	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CANADIAN LIGHT SWEET OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MICHIGAN MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DLY GAS EURO-BOB OXY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOBARG NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINI RBOB V. EBOB(ARGUS) N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL TRADE AT MARKE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MGF FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MJB FUT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NEW YORK HUB ZONE J PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM ATSI ELEC	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EU LOW SULPHUR GASOIL CR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CENTER POINT NAT GAS FIXE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC ERCOT DLY OFF PK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR LOW SULPUR GA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Futures</b>												
MINI GAS EUROBOB OXY NWE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COLUMBIA GULF NAT GAS FIX	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MGN1 SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GROUP THREE ULSD (PLATTS)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
UCM FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DY EURO 3.5% FUEL OI RDA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER OFF-PEA	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER PEAK	0	-	-	0	-		0	-	-	0	-	-
CAISO SP15 EZGNHUB5 PEAK	0	-	-	0	-		0	-	-	0	-	-
ERCOT DAILY 5MW PEAK	0	-	-	0	-		0	-	-	0	-	-
<b>Energy Options</b>												
ETHANOL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PGE CITYGATE PIPE SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
N ROCKIES PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PANHANDLE PIPE SWAP	0	-	-	0	-		0	-	-	0	-	-
BRENT OIL LAST DAY	0	4	-100.0%	19,464	6,712	1.9	0	9,905	-100.0%	85,457	16,815	408.2%
BRENT CALENDAR SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ROTTERDAM 3.5%FUEL OIL CL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SINGAPORE FUEL OIL 180 CS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HEATING OIL PHY	0	510	-100.0%	3,214	4,410	-0.27	0	6,618	-100.0%	43,251	60,516	-28.5%
HENRY HUB FINANCIAL LAST	0	26	-100.0%	0	0	0	0	26	-100.0%	0	0	0.0%
RBOB PHY	0	238	-100.0%	12,717	8,452	0.5	0	8,239	-100.0%	62,334	71,422	-12.7%
NATURAL GAS PHY	0	1,374	-100.0%	1,256,428	790,509	0.59	0	20,178	-100.0%	10,593,402	6,112,741	73.3%
CRUDE OIL APO	0	18	-100.0%	8	0	0	0	7,177	-100.0%	60	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0	0	250	-100.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>Energy Options</b>												
NATURAL GAS 1 M CSO FIN	0	0	0.0%	2,100	0	0	0	200	-100.0%	3,420	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	3,600	0	0	0	0	0.0%	4,000	26,126	-84.7%
CRUDE OIL PHY	0	3,744	-100.0%	2,221,034	3,094,273	-0.28	0	215,486	-100.0%	27,248,090	25,482,756	6.9%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	50	-100.0%	10	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	0	174	-100.0%	22	0	0	0	1,517	-100.0%	468	6	7,700.0%
PJM MONTHLY	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI-BRENT BULLET SWAP	0	0	0.0%	8,072	0	0	0	0	0.0%	15,160	0	0.0%
HEATING OIL CRACK OPTIONS	0	-	-	0	-		0	-	-	0	-	-
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NG HH 3 MONTH CAL	0	0	0.0%	0	0	0	0	500	-100.0%	0	0	0.0%
CRUDE OIL 1MO	0	0	0.0%	83,405	62,450	0.34	0	100	-100.0%	266,593	534,145	-50.1%
WTI 12 MONTH CALENDAR OP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NYMEX EUROPEAN GASOIL A	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NYISO ZONE G 5MW PEAK OP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PETROCHEMICALS	0	0	0.0%	8	0	0	0	0	0.0%	8	10	-20.0%
NATURAL GAS OPTION ON CA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC MISO PEAK	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EUROPEAN JET KEROSENE N	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM CALENDAR STRIP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CRUDE OIL OUTRIGHTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
APPALACHIAN COAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HEATING OIL CRK SPD AVG P	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC FINSETTLED	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CRUDE OIL CALNDR STRIP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NATURAL GAS 5 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MCCLOSKEY RCH BAY COAL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 2 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 6 M CSO FIN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOIL CRACK SPREAD AVG	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Options</b>												
SINGAPORE GASOIL CALEND	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ETHANOL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	0	0	0.0%	178	0	0	0	0	0.0%	178	0	0.0%
SHORT TERM	0	0	0.0%	60	0	0	0	0	0.0%	60	0	0.0%
NATURAL GAS 12 M CSO FIN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SHORT TERM CRUDE OIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
COAL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
DAILY CRUDE OIL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM ELECTRIC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM WES HUB PEAK CAL MTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PJM WES HUB PEAK LMP 50M	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
EURO-DENOMINATED PETRO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL API2 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
GASOLINE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
COAL API4 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
1 MO GASOIL CAL SWAP SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
12 MO GASOIL CAL SWAP SPR	0	-	-	0	-		0	-	-	0	-	-
<b>FX Futures</b>												
AUSTRALIAN DOLLAR	31	475	-93.5%	2,575,327	2,444,885	0.05	1,537	1,452	5.9%	17,745,948	19,328,801	-8.2%
BRITISH POUND	0	139	-100.0%	3,395,872	2,533,332	0.34	248	860	-71.2%	22,476,384	21,082,346	6.6%
BRAZIL REAL	0	0	0.0%	60,071	44,424	0.35	0	0	0.0%	455,631	432,269	5.4%
CANADIAN DOLLAR	0	0	0.0%	2,127,458	1,856,703	0.15	2,532	747	239.0%	14,379,196	14,130,042	1.8%
E-MINI EURO FX	0	0	0.0%	134,404	69,816	0.93	0	0	0.0%	863,666	693,927	24.5%
EURO FX	142	462	-69.3%	5,837,373	4,646,369	0.26	2,601	7,408	-64.9%	41,344,010	36,197,511	14.2%
E-MINI JAPANESE YEN	0	0	0.0%	17,745	31,266	-0.43	0	0	0.0%	287,171	307,573	-6.6%
JAPANESE YEN	231	274	-15.7%	4,582,482	3,253,124	0.41	8,907	3,599	147.5%	31,418,346	27,109,717	15.9%
MEXICAN PESO	0	0	0.0%	1,494,833	1,705,434	-0.12	5	0	0.0%	9,315,233	10,408,534	-10.5%
NEW ZEALND DOLLAR	0	0	0.0%	690,635	707,966	-0.02	0	0	0.0%	4,599,691	4,279,361	7.5%
NKR/USD CROSS RATE	0	0	0.0%	2,851	3,879	-0.27	0	0	0.0%	16,742	15,590	7.4%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry SEP 2017	Open Outcry SEP 2016	% CHG	ELEC SEP 2017	ELEC SEP 2016	% CHG	Open Outcry Y.T.D 2017	Open Outcry Y.T.D 2016	% CHG	ELEC Y.T.D 2017	ELEC Y.T.D 2016	% CHG
<b>FX Futures</b>												
RUSSIAN RUBLE	0	0	0.0%	45,931	31,588	0.45	0	0	0.0%	320,279	247,712	29.3%
S.AFRICAN RAND	0	0	0.0%	76,535	33,711	1.27	0	0	0.0%	413,354	154,151	168.1%
SWISS FRANC	0	0	0.0%	769,279	580,259	0.33	0	0	0.0%	5,158,302	4,250,549	21.4%
AD/CD CROSS RATES	0	0	0.0%	4	13	-0.69	0	0	0.0%	37	50	-26.0%
AD/JY CROSS RATES	0	0	0.0%	4,024	3,850	0.05	0	0	0.0%	21,946	35,487	-38.2%
AD/NE CROSS RATES	0	0	0.0%	39	41	-0.05	0	0	0.0%	759	670	13.3%
BP/JY CROSS RATES	0	0	0.0%	4,402	2,432	0.81	0	0	0.0%	25,244	17,304	45.9%
BP/SF CROSS RATES	0	0	0.0%	85	50	0.7	0	0	0.0%	697	366	90.4%
CD/JY CROSS RATES	0	0	0.0%	2	1	1	0	0	0.0%	554	11	4,936.4%
EC/AD CROSS RATES	0	0	0.0%	2,870	3,608	-0.2	0	0	0.0%	21,541	16,222	32.8%
EC/CD CROSS RATES	0	0	0.0%	7,695	5,124	0.5	0	0	0.0%	39,402	23,047	71.0%
EC/NOK CROSS RATES	0	0	0.0%	521	2	259.5	0	0	0.0%	1,286	9	14,188.9%
EC/SEK CROSS RATES	0	0	0.0%	2,343	109	20.5	0	0	0.0%	5,389	600	798.2%
EFX/BP CROSS RATES	0	0	0.0%	150,034	91,066	0.65	0	0	0.0%	647,590	641,246	1.0%
EFX/JY CROSS RATES	0	0	0.0%	101,177	56,243	0.8	0	0	0.0%	590,175	362,006	63.0%
EFX/SF CROSS RATES	0	0	0.0%	46,929	37,798	0.24	0	0	0.0%	310,186	279,090	11.1%
SF/JY CROSS RATES	0	-	-	0	-		0	-	-	0	-	-
SKR/USD CROSS RATES	0	0	0.0%	3,843	2,472	0.55	0	0	0.0%	18,898	13,916	35.8%
HUNGARIAN FORINT (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	75	675	-0.89	0	0	0.0%	942	4,320	-78.2%
POLISH ZLOTY (EC)	0	0	0.0%	10	7	0.43	0	0	0.0%	381	4,604	-91.7%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	46	63	-0.27	0	6	-100.0%	276	1,733	-84.1%
KOREAN WON	0	0	0.0%	38	43	-0.12	0	0	0.0%	175	167	4.8%
TURKISH LIRA	0	0	0.0%	0	0	0	0	0	0.0%	12	0	0.0%
TURKISH LIRA (EU)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
E-MICRO EUR/USD	0	0	0.0%	279,760	258,466	0.08	0	0	0.0%	2,311,227	2,534,049	-8.8%
E-MICRO GBP/USD	0	0	0.0%	61,737	95,147	-0.35	0	0	0.0%	521,478	702,641	-25.8%
E-MICRO USD/CAD	0	0	0.0%	0	0	0	0	0	0.0%	0	22	-100.0%
E-MICRO USD/CHF	0	0	0.0%	0	0	0	0	0	0.0%	0	1	-100.0%
E-MICRO USD/JPY	0	0	0.0%	0	0	0	0	0	0.0%	0	4	-100.0%
E-MICRO AUD/USD	0	0	0.0%	98,832	121,550	-0.19	0	0	0.0%	781,142	922,033	-15.3%
MICRO CHF/USD	0	0	0.0%	1,038	1,610	-0.36	0	0	0.0%	8,574	17,167	-50.1%
E-MICRO JPY/USD	0	0	0.0%	31,763	32,044	-0.01	0	0	0.0%	359,438	266,717	34.8%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>FX Futures</b>												
E-MICRO INR/USD	0	0	0.0%	2,863	4,820	-0.41	0	0	0.0%	23,269	18,982	22.6%
FCXRX	0	0	0.0%	0	827	-1	0	0	0.0%	6,243	1,295	382.1%
E-MICRO USD/CNH	0	0	0.0%	0	0	0	0	0	0.0%	0	61	-100.0%
CHINESE RENMINBI (CNH)	0	0	0.0%	2,688	1,070	1.51	0	0	0.0%	13,768	11,975	15.0%
E-MICRO CAD/USD	0	0	0.0%	35,050	24,898	0.41	0	0	0.0%	186,093	188,682	-1.4%
INDIAN RUPEE	0	0	0.0%	57,411	12,914	3.45	0	0	0.0%	304,489	109,838	177.2%
USDZAR	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
<b>FX Options</b>												
AUSTRALIAN DOLLAR	0	3,247	-100.0%	0	136,076	-1	2,674	12,506	-78.6%	200,250	1,220,008	-83.6%
BRITISH POUND	0	3,333	-100.0%	0	158,012	-1	693	31,963	-97.8%	462,114	1,756,227	-73.7%
CANADIAN DOLLAR	0	324	-100.0%	0	111,689	-1	4,597	23,453	-80.4%	183,080	1,245,834	-85.3%
EURO FX	0	3,006	-100.0%	0	422,912	-1	8,535	97,134	-91.2%	1,287,538	6,023,780	-78.6%
JAPANESE YEN	0	3,393	-100.0%	0	227,770	-1	8,468	59,911	-85.9%	544,469	2,650,794	-79.5%
MEXICAN PESO	21	1,090	-98.1%	99	7,140	-0.99	770	2,323	-66.9%	20,470	27,118	-24.5%
NEW ZEALND DOLLAR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
RUSSIAN RUBLE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SWISS FRANC	0	0	0.0%	0	4,466	-1	0	272	-100.0%	5,710	57,663	-90.1%
JAPANESE YEN (EU)	0	0	0.0%	0	1	-1	0	0	0.0%	180	5,899	-96.9%
EURO FX (EU)	0	0	0.0%	7	66	-0.89	0	0	0.0%	443	28,379	-98.4%
SWISS FRANC (EU)	0	-	-	0	-	-	0	-	-	15	-	-
CANADIAN DOLLAR (EU)	0	0	0.0%	0	3	-1	0	0	0.0%	111	1,789	-93.8%
BRITISH POUND (EU)	0	0	0.0%	881	16	54.06	0	0	0.0%	2,646	9,082	-70.9%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	0	0	0	0	0.0%	2	1,146	-99.8%
EUR/USD PQO 2pm Fix	3,564	512	596.1%	874,685	47,606	17.37	24,505	512	4,686.1%	5,426,501	49,045	10,964.3%
CAD/USD PQO 2pm Fix	26	0	0.0%	244,734	20,320	11.04	4,121	0	0.0%	1,205,895	20,915	5,665.7%
JPY/USD PQO 2pm Fix	2,638	19	13,784.2%	362,722	29,933	11.12	33,173	19	174,494.7%	2,292,365	30,466	7,424.3%
AUD/USD PQO 2pm Fix	1,408	300	369.3%	148,084	13,680	9.82	5,746	300	1,815.3%	962,730	14,176	6,691.3%
GBP/USD PQO 2pm Fix	2,054	40	5,035.0%	355,095	23,470	14.13	4,688	40	11,620.0%	1,720,859	24,271	6,990.2%
CHF/USD PQO 2pm Fix	0	0	0.0%	2,829	967	1.93	0	0	0.0%	22,314	1,039	2,047.6%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
CORN	24,678	27,365	-9.8%	4,414,574	4,319,333	0.02	307,019	386,797	-20.6%	66,975,572	65,444,251	2.3%
SOYBEAN	19,599	11,721	67.2%	3,454,240	3,208,008	0.08	135,905	276,959	-50.9%	37,616,928	44,840,561	-16.1%
SOYBEAN MEAL	1,159	2,929	-60.4%	1,861,473	1,662,128	0.12	20,377	44,116	-53.8%	18,409,561	19,002,930	-3.1%
SOYBEAN OIL	3,859	3,439	12.2%	2,386,243	2,085,101	0.14	33,804	39,925	-15.3%	21,717,146	20,722,400	4.8%
OATS	0	0	0.0%	7,175	8,039	-0.11	80	60	33.3%	115,982	160,466	-27.7%
ROUGH RICE	0	0	0.0%	13,201	10,867	0.21	0	0	0.0%	191,159	213,499	-10.5%
WHEAT	0	0	0.0%	119	20,710	-0.99	0	0	0.0%	118,880	20,710	474.0%
MINI CORN	0	0	0.0%	5,318	8,422	-0.37	0	0	0.0%	88,878	107,681	-17.5%
MINI SOYBEAN	0	0	0.0%	14,178	17,309	-0.18	0	0	0.0%	143,642	208,263	-31.0%
MINI WHEAT	0	0	0.0%	4,045	5,032	-0.2	0	0	0.0%	56,266	58,797	-4.3%
LIVE CATTLE	1,084	2,916	-62.8%	1,358,632	1,332,789	0.02	32,141	32,189	-0.1%	12,379,565	9,726,045	27.3%
FEEDER CATTLE	0	68	-100.0%	319,319	248,437	0.29	455	280	62.5%	2,687,611	1,894,001	41.9%
LEAN HOGS	2,153	2,786	-22.7%	1,112,382	842,493	0.32	25,041	19,408	29.0%	8,393,920	6,647,398	26.3%
LUMBER	0	0	0.0%	15,795	13,199	0.2	0	0	0.0%	145,199	130,982	10.9%
MILK	44	253	-82.6%	22,352	27,761	-0.19	960	873	10.0%	243,177	230,041	5.7%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	0	0	0.0%	4,848	2,798	0.73	14	0	0.0%	44,100	41,937	5.2%
BUTTER CS	0	0	0.0%	3,673	3,607	0.02	0	0	0.0%	28,245	27,902	1.2%
CLASS IV MILK	0	0	0.0%	542	1,548	-0.65	67	0	0.0%	9,099	9,406	-3.3%
DRY WHEY	0	0	0.0%	1,232	1,140	0.08	0	0	0.0%	16,169	10,546	53.3%
GSCI EXCESS RETURN FUT	0	0	0.0%	346	300	0.15	0	0	0.0%	1,048	1,119	-6.3%
GOLDMAN SACHS	0	0	0.0%	31,886	31,904	0	0	0	0.0%	305,894	251,866	21.5%
HDD WEATHER	0	0	0.0%	0	200	-1	0	0	0.0%	50	278	-82.0%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	25	400	-93.8%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	50	100	-50.0%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	50	-100.0%
CAT EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSING INDEX	0	0	0.0%	22	11	1	0	0	0.0%	122	79	54.4%
DOW-UBS COMMOD INDEX	0	0	0.0%	186,314	59,797	2.12	0	0	0.0%	734,841	305,684	140.4%
COTTON	0	0	0.0%	1	19	-0.95	0	0	0.0%	16	566	-97.2%
COCOA TAS	0	0	0.0%	2	516	-1	0	0	0.0%	83	2,550	-96.7%

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<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
COFFEE	0	0	0.0%	0	22	-1	0	0	0.0%	40	165	-75.8%
SUGAR 11	0	0	0.0%	2	12	-0.83	0	0	0.0%	42	413	-89.8%
USD CRUDE PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	0	0	0.0%	9,515	8,349	0.14	0	6	-100.0%	87,455	93,039	-6.0%
FERTILIZER PRODCUS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	5,024	8,050	-37.6%	1,875,927	1,440,383	0.3	143,776	153,018	-6.0%	25,887,128	23,683,642	9.3%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	67	151	-55.6%	617,140	465,204	0.33	9,622	12,085	-20.4%	9,381,932	6,947,813	35.0%
Intercommodity Spread	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
S&P GSCI ENHANCED ER SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
CORN	411,601	431,504	-4.6%	1,250,149	919,378	0.36	5,585,111	6,629,868	-15.8%	14,102,540	12,177,979	15.8%
SOYBEAN	278,973	260,574	7.1%	1,124,494	898,062	0.25	2,776,425	4,128,607	-32.8%	10,584,822	12,424,116	-14.8%
SOYBEAN MEAL	39,874	41,658	-4.3%	86,861	88,974	-0.02	497,941	585,985	-15.0%	1,105,838	1,246,371	-11.3%
SOYBEAN OIL	59,972	79,640	-24.7%	73,640	77,078	-0.04	738,026	862,704	-14.5%	841,629	909,542	-7.5%
SOYBEAN CRUSH	75	66	13.6%	0	0	0	620	4,684	-86.8%	0	0	0.0%
OATS	425	216	96.8%	428	583	-0.27	5,201	4,684	11.0%	6,170	6,276	-1.7%
ROUGH RICE	1,326	16	8,187.5%	1,687	842	1	9,927	2,214	348.4%	9,398	14,210	-33.9%
WHEAT	0	0	0.0%	0	252	-1	997	0	0.0%	427	252	69.4%
LIVE CATTLE	38,217	79,535	-51.9%	160,809	251,579	-0.36	459,100	1,081,627	-57.6%	1,729,680	2,160,151	-19.9%
FEEDER CATTLE	6,697	6,405	4.6%	29,065	31,827	-0.09	39,630	40,455	-2.0%	271,882	273,424	-0.6%
LEAN HOGS	34,600	59,105	-41.5%	244,127	254,285	-0.04	269,835	343,361	-21.4%	1,649,449	1,289,343	27.9%
LUMBER	2	0	0.0%	1,190	1,346	-0.12	42	105	-60.0%	10,087	8,593	17.4%
MILK	7,484	19,018	-60.6%	22,682	24,052	-0.06	106,336	115,050	-7.6%	210,691	148,417	42.0%
MLK MID	25	67	-62.7%	0	0	0	526	539	-2.4%	0	0	0.0%
NFD MILK	879	875	0.5%	2,703	1,084	1.49	12,696	18,517	-31.4%	23,577	10,326	128.3%
BUTTER CS	1,819	834	118.1%	1,579	204	6.74	9,791	8,937	9.6%	5,076	1,873	171.0%
CLASS IV MILK	153	479	-68.1%	1,328	1,560	-0.15	2,488	2,429	2.4%	13,092	7,402	76.9%
DRY WHEY	267	30	790.0%	51	0	0	2,592	781	231.9%	1,227	55	2,130.9%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CAT WEATHER EUROPEAN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HDD EURO SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSING INDEX	0	0	0.0%	7	0	0	0	0	0.0%	42	18	133.3%
CORN NEARBY+2 CAL SPRD	50	210	-76.2%	0	1	-1	13,758	30,575	-55.0%	77	82	-6.1%
SOYBN NEARBY+2 CAL SPRD	0	50	-100.0%	0	0	0	460	401	14.7%	600	0	0.0%
WHEAT NEARBY+2 CAL SPRD	1,900	1,860	2.2%	100	136	-0.26	9,826	41,978	-76.6%	3,522	1,337	163.4%
JULY-DEC CORN CAL SPRD	0	75	-100.0%	0	0	0	17,402	36,609	-52.5%	0	175	-100.0%
DEC-JULY WHEAT CAL SPRD	699	0	0.0%	0	0	0	924	100	824.0%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	0	30	-100.0%	0	0	0	69,340	60,469	14.7%	1,317	263	400.8%
JULY-DEC WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,414	33,174	-95.7%	200	145	37.9%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	0	480	-100.0%	0	13	-100.0%
NOV-NOV SOYBEAN CAL SPR	0	124	-100.0%	0	0	0	121	2,971	-95.9%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0	0	3,785	-100.0%	0	0	0.0%
LV CATL CSO	652	6	10,766.7%	0	0	0	1,919	260	638.1%	0	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0	630	0	0.0%	10	0	0.0%
NOV-JULY SOYBEAN CAL SPR	550	0	0.0%	0	0	0	1,696	0	0.0%	0	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CASH-SETTLED CHEESE	9,875	5,404	82.7%	6,678	1,933	2.45	39,876	44,471	-10.3%	32,064	20,750	54.5%
DEC-JULY CORN CAL SPRD	3,130	1,737	80.2%	0	0	0	32,748	16,288	101.1%	0	0	0.0%
WHEAT-CORN IC SO	0	3,610	-100.0%	0	0	0	5,335	12,442	-57.1%	6	0	0.0%
DEC-DEC CORN CAL SPRD	2,621	5	52,320.0%	28	0	0	11,786	17,817	-33.8%	274	15	1,726.7%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0	103	20	415.0%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	36	-	-	0	-	-	36	-	-	0	-	-
MAR-DEC CORN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CHI WHEAT	96,399	92,271	4.5%	338,507	296,233	0.14	1,414,209	1,603,377	-11.8%	4,709,405	3,899,935	20.8%
MAR-JULY CORN CAL SPRD	70	0	0.0%	0	0	0	70	2,416	-97.1%	0	4	-100.0%
KC WHEAT	6,821	7,234	-5.7%	14,962	9,995	0.5	139,980	146,422	-4.4%	301,220	148,795	102.4%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,293	1,650	-21.6%	76	0	0.0%
AUG-DEC SOYBEAN MEAL CS	0	0	0.0%	0	0	0	0	5	-100.0%	0	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Commodities and Alternative Investments Options</b>												
Intercommodity Spread	0	0	0.0%	0	0	0	701	3,395	-79.4%	0	0	0.0%
SEP-DEC SOYBEAN MEAL CSC	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Ags Futures</b>												
FERTILIZER PRODUCS	0	-	-	0	-		0	-	-	0	-	-
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	2,904	0	0	0	6	-100.0%	14,380	4	359,400.0%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	752,291	559,084	34.6%	114,351,595	100,584,906	13.7%	7,056,900	6,639,369	6.3%	1,111,386,717	1,009,103,021	10.1%
Equity Index Futures	135,054	219,948	-38.6%	47,257,532	62,399,542	-24.3%	665,109	1,078,527	-38.3%	375,827,931	467,733,529	-19.6%
Metals Futures	0	6,570	-100.0%	11,689,694	6,912,741	69.1%	0	98,437	-100.0%	91,934,975	73,661,592	24.8%
Energy Futures	0	553	-100.0%	44,486,705	40,703,247	9.3%	0	26,316	-100.0%	395,306,708	346,868,609	14.0%
FX Futures	404	1,350	-70.1%	22,706,075	18,699,699	21.4%	15,830	14,072	12.5%	154,995,164	144,812,404	7.0%
Commodities and Alternative Inve	57,667	59,678	-3.4%	17,720,496	15,825,438	12.0%	709,261	965,716	-26.6%	205,779,825	200,785,580	2.5%
Ags Futures	0	-	-	0	-		0	-	-	0	-	-
Foreign Exchange Futures	0	0	0.0%	2,904	0	0.0%	0	6	-100.0%	14,380	4	359,400.0%
<b>TOTAL FUTURES</b>	<b>945,416</b>	<b>847,183</b>	<b>11.6%</b>	<b>258,215,001</b>	<b>245,125,573</b>	<b>5.3%</b>	<b>8,447,100</b>	<b>8,822,443</b>	<b>-4.3%</b>	<b>2,335,245,700</b>	<b>2,242,964,739</b>	<b>4.1%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	1,109,931	982,422	13.0%	11,795,462	14,774,769	-20.2%	9,887,417	10,376,734	-4.7%	116,027,283	107,137,432	8.3%
Interest Rate Options	18,486,862	16,811,816	10.0%	25,564,929	13,221,979	93.4%	179,936,195	182,243,277	-1.3%	197,186,671	125,956,053	56.6%
Metals Options	0	33,232	-100.0%	974,239	602,332	61.7%	0	651,605	-100.0%	7,070,017	6,091,367	16.1%
Energy Options	0	6,088	-100.0%	3,610,310	3,966,806	-9.0%	0	270,246	-100.0%	38,322,491	32,304,537	18.6%
FX Options	9,711	15,264	-36.4%	1,989,136	1,204,127	65.2%	97,970	228,433	-57.1%	14,337,692	13,167,631	8.9%
Commodities and Alternative Inve	1,005,192	1,092,638	-8.0%	3,361,075	2,859,404	17.5%	12,280,911	15,889,652	-22.7%	35,614,398	34,749,862	2.5%
<b>TOTAL OPTIONS</b>	<b>20,611,696</b>	<b>18,941,460</b>	<b>8.8%</b>	<b>47,295,151</b>	<b>36,629,417</b>	<b>29.1%</b>	<b>202,202,493</b>	<b>209,659,947</b>	<b>-3.6%</b>	<b>408,558,552</b>	<b>319,406,882</b>	<b>27.9%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	19,239,153	17,370,900	10.8%	139,916,524	113,806,885	22.9%	186,993,095	188,882,646	-1.0%	1,308,573,388	1,135,059,074	15.3%
Equity Index	1,244,985	1,202,370	3.5%	59,052,994	77,174,311	-23.5%	10,552,526	11,455,261	-7.9%	491,855,214	574,870,961	-14.4%
Metals	0	39,802	-100.0%	12,663,933	7,515,073	68.5%	0	750,042	-100.0%	99,004,992	79,752,959	24.1%
Energy	0	6,641	-100.0%	48,097,015	44,670,053	7.7%	0	296,562	-100.0%	433,629,199	379,173,146	14.4%
FX	10,115	16,614	-39.1%	24,695,211	19,903,826	24.1%	113,800	242,505	-53.1%	169,332,856	157,980,035	7.2%
Commodities and Alternative Inve	1,062,859	1,152,316	-7.8%	21,081,571	18,684,842	12.8%	12,990,172	16,855,368	-22.9%	241,394,223	235,535,442	2.5%
Ags	0	-	-	0	-	-	0	-	-	0	-	-
Foreign Exchange	0	0	0.0%	2,904	0	0.0%	0	6	-100.0%	14,380	4	359,400.0%
<b>GRAND TOTAL</b>	<b>21,557,112</b>	<b>19,788,643</b>	<b>8.9%</b>	<b>305,510,152</b>	<b>281,754,990</b>	<b>8.4%</b>	<b>210,649,593</b>	<b>218,482,390</b>	<b>-3.6%</b>	<b>2,743,804,252</b>	<b>2,562,371,621</b>	<b>7.1%</b>

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