



## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Interest Rate Futures</b>												
30-YR BOND	19,505	28,431	-31.4%	4,932,431	4,770,020	0.03	199,311	760,844	-73.8%	55,738,326	59,258,786	-5.9%
10-YR NOTE	100,381	131,985	-23.9%	22,222,540	22,692,828	-0.02	1,383,582	2,932,015	-52.8%	272,721,002	269,268,708	1.3%
5-YR NOTE	27,677	30,032	-7.8%	10,912,212	11,482,930	-0.05	286,250	1,685,864	-83.0%	150,240,779	149,494,143	0.5%
2-YR NOTE	1,010	464	117.7%	5,145,205	4,440,461	0.16	9,103	893,862	-99.0%	61,584,066	65,694,614	-6.3%
FED FUND	225	80	181.3%	2,270,364	1,775,379	0.28	225	8,456	-97.3%	27,697,916	16,483,984	68.0%
EUROYEN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	406,790	585,340	-30.5%	41,410,245	43,700,269	-0.05	5,316,332	5,120,887	3.8%	497,283,263	490,994,395	1.3%
5-YR SWAP RATE	0	0	0.0%	37,472	41,253	-0.09	0	0	0.0%	566,834	535,644	5.8%
2-YR SWAP RATE	0	0	0.0%	0	1,262	-1	0	35	-100.0%	4,414	25,561	-82.7%
10-YR SWAP RATE	0	0	0.0%	33,041	24,760	0.33	0	2,652	-100.0%	449,862	514,605	-12.6%
7-YR SWAP	0	0	0.0%	0	1,214	-1	0	0	0.0%	3,052	1,404	117.4%
1-MONTH EURODOLLAR	0	0	0.0%	391	1,727	-0.77	0	0	0.0%	10,712	48,849	-78.1%
ULTRA T-BOND	371	0	0.0%	1,565,729	1,745,494	-0.1	497	424,211	-99.9%	21,154,561	22,508,151	-6.0%
Ultra 10-Year Note	0	-	-	1,272,000	-		28	-	-	11,434,190	-	-
30-YR SWAP RATE	0	0	0.0%	876	667	0.31	0	61	-100.0%	16,550	30,173	-45.1%
2YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	595	-100.0%
3YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	168	-100.0%
EURO 5YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	38	-100.0%
<b>Interest Rate Options</b>												
30-YR BOND	363,451	349,664	3.9%	1,333,267	1,151,979	0.16	2,971,850	5,052,084	-41.2%	14,346,441	13,219,352	8.5%
10-YR NOTE	1,679,614	2,317,278	-27.5%	4,840,895	4,120,126	0.17	22,141,718	30,936,808	-28.4%	51,702,151	53,225,811	-2.9%
5-YR NOTE	428,893	486,196	-11.8%	866,826	1,230,011	-0.3	6,271,855	6,157,517	1.9%	12,758,124	11,403,520	11.9%
2-YR NOTE	69,735	28,400	145.5%	48,123	81,770	-0.41	441,876	870,252	-49.2%	1,011,460	1,254,582	-19.4%
FED FUND	2,350	42,230	-94.4%	10	3,648	-1	70,351	281,716	-75.0%	13,319	26,591	-49.9%
FLEX 30-YR BOND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	6,429,982	7,472,803	-14.0%	2,316,002	1,835,345	0.26	100,866,717	70,198,915	43.7%	29,160,616	14,770,760	97.4%
EURO MIDCURVE	5,057,832	8,909,621	-43.2%	2,152,778	3,111,626	-0.31	63,486,778	78,508,111	-19.1%	28,464,848	21,417,571	32.9%
ULTRA T-BOND	7,682	1,636	369.6%	6,452	1,769	2.65	26,096	44,862	-41.8%	47,951	52,249	-8.2%
Ultra 10-Year Note	3,900	-	-	2,320	-		9,475	-	-	17,816	-	-

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<b>Equity Index Futures</b>												
\$25 DJ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DJIA	0	0	0.0%	0	0	0	0	10,422	-100.0%	0	1,413	-100.0%
MINI \$5 DOW	0	0	0.0%	3,268,255	3,214,414	0.02	0	0	0.0%	35,631,418	34,254,815	4.0%
E-MINI S&P500	0	0	0.0%	32,449,166	36,178,872	-0.1	0	0	0.0%	397,271,642	357,099,484	11.2%
S&P 500	35,316	60,866	-42.0%	5,535	12,638	-0.56	1,113,843	1,432,990	-22.3%	99,334	163,658	-39.3%
S&P 600 SMALLCAP EMINI	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MINI MIDCAP	0	0	0.0%	327,545	387,165	-0.15	0	0	0.0%	4,326,961	4,333,090	-0.1%
S&P 400 MIDCAP	0	0	0.0%	0	0	0	0	39	-100.0%	0	0	0.0%
S&P 500 GROWTH	0	0	0.0%	12	8	0.5	0	0	0.0%	220	332	-33.7%
S&P 500/VALUE	0	0	0.0%	300	8	36.5	0	0	0.0%	27,502	294	9,254.4%
E-MINI RUSSELL 1000	0	0	0.0%	131	153	-0.14	0	0	0.0%	4,154	156	2,562.8%
E-MINI NASDAQ 100	0	0	0.0%	4,683,119	5,733,066	-0.18	0	0	0.0%	55,282,711	56,246,490	-1.7%
NASDAQ	0	0	0.0%	0	0	0	0	23,063	-100.0%	0	2,120	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	193,521	265,088	-0.27	0	0	0.0%	3,686,694	3,609,457	2.1%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	847,860	1,103,070	-0.23	0	0	0.0%	12,402,461	11,202,671	10.7%
DJ US REAL ESTATE	0	0	0.0%	8,856	10,239	-0.14	0	0	0.0%	114,497	96,391	18.8%
NASDAQ BIOTECH	0	0	0.0%	18	0	0	0	0	0.0%	18	0	0.0%
E-MICRO NIFTY	0	0	0.0%	0	0	0	0	0	0.0%	0	1,018	-100.0%
S&P CONSUMER STAPLES SE	0	0	0.0%	5,343	1,132	3.72	0	0	0.0%	75,013	35,817	109.4%
S&P HEALTH CARE SECTOR	0	0	0.0%	4,393	16,771	-0.74	0	0	0.0%	74,655	96,100	-22.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	2,166	3,882	-0.44	0	0	0.0%	47,935	27,537	74.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	2,005	1,302	0.54	0	0	0.0%	27,507	26,831	2.5%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	6,074	3,777	0.61	0	0	0.0%	50,026	57,360	-12.8%
S&P UTILITIES SECTOR	0	0	0.0%	11,646	7,432	0.57	0	0	0.0%	119,285	88,415	34.9%
S&P FINANCIAL SECTOR	0	0	0.0%	6,370	3,085	1.06	0	0	0.0%	69,372	24,707	180.8%
S&P ENERGY SECTOR	0	0	0.0%	9,077	11,127	-0.18	0	0	0.0%	93,829	66,623	40.8%
S&P MATERIALS SECTOR	0	0	0.0%	4,279	2,446	0.75	0	0	0.0%	44,881	31,420	42.8%
E-MINI RUSSELL 1000 GROWT	0	0	0.0%	16	83	-0.81	0	0	0.0%	2,626	86	2,953.5%
FT-SE 100	0	0	0.0%	1,420	1,181	0.2	0	0	0.0%	16,815	1,181	1,323.8%
IBOVESPA INDEX	0	0	0.0%	1,204	580	1.08	0	0	0.0%	7,202	4,173	72.6%
E-MINI RUSSELL 1000 VALUE	0	0	0.0%	49	85	-0.42	0	0	0.0%	4,354	88	4,847.7%
NIFTY 50	0	0	0.0%	13,294	1,773	6.5	0	0	0.0%	104,071	12,554	729.0%

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<b>Equity Index Options</b>												
DJIA	0	0	0.0%	0	0	0	0	32	-100.0%	0	0	0.0%
MINI \$5 DOW	0	0	0.0%	5,324	11,920	-0.55	0	0	0.0%	107,773	116,384	-7.4%
E-MINI S&P500	0	24,260	-100.0%	2,354,131	6,861,428	-0.66	110,315	192,965	-42.8%	48,540,395	65,201,028	-25.6%
S&P 500	140,050	709,936	-80.3%	0	0	0	5,028,143	7,621,574	-34.0%	0	106	-100.0%
E-MINI MIDCAP	0	0	0.0%	0	2	-1	0	0	0.0%	17	30	-43.3%
E-MINI NASDAQ 100	0	0	0.0%	190,796	146,912	0.3	0	0	0.0%	2,204,915	1,160,163	90.1%
NASDAQ	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%
EOM S&P 500	134,824	116,981	15.3%	0	0	0	1,736,724	1,078,146	61.1%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,355,515	1,260,498	0.08	0	1,500	-100.0%	16,398,398	11,335,399	44.7%
EOW1 S&P 500	93,078	37,542	147.9%	0	0	0	625,217	329,208	89.9%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	1,184,812	1,059,894	0.12	0	3,000	-100.0%	9,957,828	9,937,275	0.2%
EOW2 S&P 500	111,845	67,752	65.1%	0	0	0	1,290,611	762,237	69.3%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	1,115,305	1,029,723	0.08	0	0	0.0%	10,198,371	10,308,625	-1.1%
EOW4 EMINI S&P 500	0	0	0.0%	928,897	1,170,204	-0.21	0	4,500	-100.0%	11,196,423	10,142,365	10.4%
EOW3 S&P 500	434,322	-	-	0	-	-	2,472,843	-	-	0	-	-
EOW3 EMINI S&P 500	0	-	-	4,397,999	-	-	27,000	-	-	20,066,091	-	-

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<b>Metals Futures</b>												
COMEX GOLD	2,713	11,918	-77.2%	3,574,211	2,866,704	0.25	90,777	298,882	-69.6%	44,394,106	32,974,487	34.6%
E-MINI SILVER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
COMEX MINY COPPER	0	0	0.0%	239	366	-0.35	0	0	0.0%	5,043	8,018	-37.1%
COMEX SILVER	253	1,823	-86.1%	1,299,064	1,064,040	0.22	9,675	79,546	-87.8%	14,471,128	10,870,919	33.1%
COMEX COPPER	72	0	0.0%	1,490,243	1,207,307	0.23	922	260,899	-99.6%	16,380,972	13,706,894	19.5%
NYMEX HOT ROLLED STEEL	0	0	0.0%	404	1	403	0	0	0.0%	4,593	1,234	272.2%
NYMEX PLATINUM	0	11	-100.0%	288,495	268,088	0.08	38	235	-83.8%	3,072,367	2,829,912	8.6%
URANIUM	0	0	0.0%	0	402	-1	0	0	0.0%	993	1,950	-49.1%
PALLADIUM	0	3	-100.0%	106,495	84,578	0.26	63	379	-83.4%	1,071,610	1,049,534	2.1%
E-MICRO GOLD	0	0	0.0%	52,304	41,762	0.25	0	0	0.0%	821,509	313,160	162.3%
ALUMINUM	0	0	0.0%	985	879	0.12	0	0	0.0%	10,399	3,415	204.5%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	1	-100.0%
SILVER	0	0	0.0%	5,630	5,532	0.02	0	0	0.0%	83,606	79,312	5.4%
Gold Kilo	0	0	0.0%	3,711	5,290	-0.3	0	0	0.0%	47,646	38,221	24.7%
COMEX E-Mini SILVER	0	0	0.0%	1,033	652	0.58	0	0	0.0%	12,279	8,513	44.2%
COMEX E-Mini GOLD	0	0	0.0%	6,890	4,122	0.67	0	0	0.0%	105,332	56,192	87.5%
Aluminium MW Trans Prem Platts	0	0	0.0%	244	1,046	-0.77	0	0	0.0%	4,934	6,007	-17.9%
LNDN ZINC	0	0	0.0%	27	14	0.93	0	0	0.0%	227	338	-32.8%
METALS	0	-	-	0	-		0	-	-	25	-	-
FERROUS PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	8	-100.0%
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%	508	300	0.69	0	0	0.0%	5,306	303	1,651.2%
IRON ORE 58 CHINA TSI FUTU	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%

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<b>Metals Options</b>												
COMEX GOLD	16,698	98,846	-83.1%	607,491	481,211	0.26	592,859	881,572	-32.7%	5,732,193	4,270,445	34.2%
COMEX SILVER	8,781	9,002	-2.5%	90,349	74,825	0.21	79,795	126,855	-37.1%	993,161	847,760	17.2%
COMEX COPPER	0	668	-100.0%	2,454	1,266	0.94	1,188	8,087	-85.3%	23,822	13,201	80.5%
NYMEX PLATINUM	0	101	-100.0%	743	1,337	-0.44	2,254	2,257	-0.1%	7,645	5,378	42.2%
PALLADIUM	0	10	-100.0%	265	355	-0.25	322	1,202	-73.2%	2,546	2,946	-13.6%
SHORT TERM GOLD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SHORT TERM	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
GOLD	0	145	-100.0%	5,865	1,688	2.47	666	2,553	-73.9%	38,371	15,814	142.6%
COPPER	0	0	0.0%	0	0	0	0	0	0.0%	0	10	-100.0%
SILVER	0	0	0.0%	773	5	153.6	0	10	-100.0%	1,569	1,142	37.4%
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%
HOT ROLLED COIL STEEL CAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HOT ROLLED COIL STEEL PUT	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Energy Futures</b>												
ETHANOL FWD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HOUSTON SHIP CHANNEL BAS	0	0	0.0%	182	0	0	0	0	0.0%	1,102	61	1,706.6%
NORTHWEST ROCKIES BASIS	0	0	0.0%	870	0	0	0	0	0.0%	2,815	0	0.0%
HEATING OIL VS ICE GASOIL	0	0	0.0%	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%	34,775	21,589	0.61	800	1,013	-21.0%	200,362	47,306	323.5%
HTG OIL	0	0	0.0%	0	0	0	36	0	0.0%	0	0	0.0%
LTD NAT GAS	0	0	0.0%	85,476	74,249	0.15	0	549	-100.0%	729,085	649,886	12.2%
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%

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	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	0	0	0.0%	1,530,837	2,081,282	-0.26	344	0	0.0%	18,888,975	22,057,428	-14.4%
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%	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%	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%
PJM DPL DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DPL DA OFF-PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM EASTERNH DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
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 PEPSCO DA PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM PEPSCO DA OFF-PEAK	0	0	0.0%	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%
TENNESSEE 500 LEG NG INDE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MICHCON NG INDEX SWAP	0	-	-	0	-		0	-	-	0	-	-
CIG ROCKIES NG INDEX SWA	0	-	-	0	-		0	-	-	0	-	-
TENNESSEE 500 LEG NG SWIN	-	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	0	-	0	0.0%	-	0	0.0%
JET FUEL CARGOES CIF NEW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF NW BALMO S	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ULSD 10PPM CIF MED BALMO	0	-	-	0	-		0	-	-	0	-	-
PERMIAN BASIS 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 OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
Tetco ELA Basis	0	0	0.0%	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%
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	182	182	0.0%	2,939,540	3,146,464	-0.07	968	4,886	-80.2%	29,921,434	27,967,806	7.0%
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%
PREMIUM UNLD 10PPM CARG	-	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 AECO 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%	7	5	0.4	0	0	0.0%	95	81	17.3%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	33,276	25,601	0.3	0	0	0.0%	253,764	268,527	-5.5%
SINGAPORE GASOIL SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%	0	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	-	-
BRENT CFD(PLATTS) VS FRNT	-	0	0.0%	-	0	0	-	0	0.0%	-	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%
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	-	-
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0	0	0	0.0%	122	0	0.0%
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%	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%
NEPOOL MAINE 5MW D AH PK	-	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%
NEPOOL MAINE 5MW D AH O E	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
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	64	2	3,100.0%	3,162,693	2,928,554	0.08	573	3,156	-81.8%	35,580,563	30,992,060	14.8%
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%	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%	227,921	210,853	0.08	0	0	0.0%	2,848,927	2,744,725	3.8%
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	52	8,035	-99.4%	9,905,953	7,319,622	0.35	1,590	45,394	-96.5%	76,374,450	64,827,090	17.8%
APPALACHIAN COAL (PHY)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CALENDAR	0	83	-100.0%	0	0	0	1,069	105	918.1%	0	0	0.0%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	31	0	0.0%
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	462	6,735	-93.1%	22,383,452	16,862,626	0.33	20,093	136,210	-85.2%	219,008,768	162,141,527	35.1%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	12	-100.0%	0	2	-100.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%	329	1,699	-0.81	0	0	0.0%	10,811	8,251	31.0%
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	0	-	0	0.0%	-	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%
GASOLINE UP-DOWN (ARGUS)	-	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%	0	0	0.0%
MINY RBOB GAS	0	0	0.0%	3	4	-0.25	0	0	0.0%	45	47	-4.3%
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	0	0	39	170	-77.1%	12	11	9.1%
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%	31	0	0	0	0	0.0%	766	0	0.0%
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%	31	0	0.0%
PGE&E CITYGATE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
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%	30	0	0	0	0	0.0%	366	0	0.0%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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	-	-
HENRY HUB INDEX SWAP FUT	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	214	0	0	0	0	0.0%	946	0	0.0%
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%	0	0	0.0%
TRANSCO ZONE 6 BASIS SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
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%	0	0	0.0%
MICHIGAN HUB PEAK MONTH	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MICHIGAN HUB OFF-PEAK MO	-	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	-	-
NGPL TEXOK SWING SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DEMARC SWING SWAP	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%	0	21	-100.0%
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%	0	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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	124	-100.0%	0	0	0	92	20,948	-99.6%	0	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%
TD3 MEG TO JAPAN 250K MT	-	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%	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%
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%	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%	646	0	0.0%
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%	3	2	50.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%	194,391	178,753	0.09	1,472	236	523.7%	1,950,435	488,496	299.3%
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%	0	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 JET FUEL (ARGUS) VS HEA	-	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%
MISO 5MW PEAK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MISO 5MW OFF PEAK	-	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	706	-1	0	0	0.0%	225	1,212	-81.4%
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%	0	17	-1	0	0	0.0%	158	137	15.3%
EUROPEAN GASOIL (ICE)	0	0	0.0%	6,938	72,383	-0.9	0	0	0.0%	1,474,467	198,180	644.0%
ERCOT NORTH ZMCPE 5MW O	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW 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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
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%	0	0	0	0	0	0.0%	0	20	-100.0%
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%
CRUDE OIL LAST DAY	-	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	-	-
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%	0	0	0.0%
RBOB CRACK SPREAD BALMO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CARBON EUA EMISSIONS EUR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DIESEL 10PPM BARGES FOB B	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURO 3.5% FUEL OIL M CRK	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
PJM DUQUESNE 5MW D AH PK	0	0	0.0%	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%	0	0	0.0%
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	-	-
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%	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%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Futures</b>												
CRUDE OIL SPRDS	0	0	0.0%	0	0	0	0	0	0.0%	0	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%	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%	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%
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%	0	0	0.0%
EMMISSIONS	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 OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Futures</b>												
DIESEL10PPM BARG VS ICE LS	0	0	0.0%	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	-	-
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%	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%	0	0	0.0%
CENTER POINT NAT GAS FIXE	0	0	0.0%	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%
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%	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	0	-	0	0.0%	-	0	0.0%
NY HARBOR LOW SULPUR GA	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
ELEC WEST POWER PEAK	0	-	-	0	-		0	-	-	0	-	-
ELEC WEST POWER OFF-PEA	0	-	-	0	-		0	-	-	0	-	-

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Options</b>												
ETHANOL	0	-	-	0	-		0	-	-	0	-	-
NATURAL GAS	0	-	-	0	-		0	-	-	0	-	-
PGE CITYGATE PIPE SWAP	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%	0	0	0.0%
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	4	6	-33.3%	8,493	0	0	9,909	2,295	331.8%	25,308	12	210,800.0%
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%	0	0	0.0%
HEATING OIL PHY	396	1,491	-73.4%	4,646	5,090	-0.09	7,014	24,051	-70.8%	65,162	57,632	13.1%
HENRY HUB FINANCIAL LAST	42	69	-39.1%	0	0	0	68	69	-1.4%	0	0	0.0%
RBOB PHY	267	68	292.6%	4,323	3,549	0.22	8,506	15,099	-43.7%	75,745	65,517	15.6%
NATURAL GAS PHY	1,560	22,064	-92.9%	917,024	457,456	1	21,738	262,919	-91.7%	7,029,765	2,360,588	197.8%
CRUDE OIL APO	74	257	-71.2%	0	0	0	7,251	762	851.6%	0	0	0.0%
NATURAL GAS 3 M CSO FIN	0	0	0.0%	0	0	0	250	0	0.0%	0	0	0.0%
NATURAL GAS 1 M CSO FIN	0	200	-100.0%	0	100	-1	200	1,162	-82.8%	0	100	-100.0%
WTI CRUDE OIL 1 M CSO FI	0	0	0.0%	0	0	0	0	3,000	-100.0%	26,126	0	0.0%
CRUDE OIL PHY	4,922	42,631	-88.5%	2,437,668	2,279,237	0.07	220,408	1,127,570	-80.5%	27,920,424	22,797,306	22.5%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	50	9	455.6%	0	0	0.0%
RBOB 1MO CAL SPD OPTIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NY HARBOR HEAT OIL SWP	55	106	-48.1%	0	0	0	1,572	1,779	-11.6%	6	16	-62.5%
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%	0	0	0	0	0	0.0%	0	2,000	-100.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0	0	125	-100.0%	0	0	0.0%
NG HH 3 MONTH CAL	0	-	-	0	-		500	-	-	0	-	-
CRUDE OIL 1MO	0	0	0.0%	56,764	5,495	9.33	100	4,600	-97.8%	590,909	74,237	696.0%
WTI 6 MONTH CALENDAR OPTI	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
WTI 12 MONTH CALENDAR OP	0	0	0.0%	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%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Options</b>												
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%	0	4	-1	0	0	0.0%	10	41	-75.6%
NATURAL GAS SUMMER STRIF	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
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%	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%	0	0	0.0%
HEATING OIL CRK SPD AVG P	0	-	-	0	-		0	-	-	0	-	-
ELECTRICITY OFF 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%
BRENT 1 MONTH CAL	-	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%	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%	0	0	0.0%
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%	0	0	0	0	0	0.0%	0	0	0.0%
SHORT TERM	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS 12 M CSO FIN	0	0	0.0%	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%	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%	0	0	0.0%
PJM ELECTRIC	0	0	0.0%	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	-	-
LLS CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
EURO-DENOMINATED PETRO	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 OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Energy Options</b>												
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%
WTI CRUDE OIL 12 M CSO F	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>FX Futures</b>												
AUSTRALIAN DOLLAR	281	31	806.5%	1,857,451	1,749,541	0.06	1,733	6,034	-71.3%	21,186,252	19,839,590	6.8%
BRITISH POUND	553	158	250.0%	2,709,798	1,632,281	0.66	1,413	10,893	-87.0%	23,792,144	20,560,353	15.7%
BRAZIL REAL	0	0	0.0%	43,631	30,235	0.44	0	30	-100.0%	475,900	369,762	28.7%
CANADIAN DOLLAR	230	124	85.5%	1,503,266	1,279,375	0.18	977	7,522	-87.0%	15,633,308	14,551,673	7.4%
E-MINI EURO FX	0	0	0.0%	55,493	92,570	-0.4	0	0	0.0%	749,420	1,271,760	-41.1%
EURO FX	394	2,305	-82.9%	3,340,405	4,429,154	-0.25	7,802	54,864	-85.8%	39,537,916	54,775,407	-27.8%
E-MINI JAPANESE YEN	0	0	0.0%	18,458	12,719	0.45	0	0	0.0%	326,031	182,922	78.2%
JAPANESE YEN	357	463	-22.9%	2,332,374	2,970,958	-0.21	3,956	26,631	-85.1%	29,442,091	30,671,346	-4.0%
MEXICAN PESO	0	0	0.0%	1,086,633	841,977	0.29	0	120,694	-100.0%	11,495,167	8,972,906	28.1%
NEW ZEALND DOLLAR	0	0	0.0%	470,683	432,505	0.09	0	732	-100.0%	4,750,044	4,233,260	12.2%
NKR/USD CROSS RATE	0	0	0.0%	807	568	0.42	0	0	0.0%	16,397	10,339	58.6%
RUSSIAN RUBLE	0	0	0.0%	12,807	9,304	0.38	0	4	-100.0%	260,519	162,685	60.1%
S.AFRICAN RAND	0	0	0.0%	21,359	12,603	0.69	0	806	-100.0%	175,510	154,233	13.8%
SWISS FRANC	0	0	0.0%	447,319	379,371	0.18	0	1,073	-100.0%	4,697,868	4,502,103	4.3%
AD/CD CROSS RATES	0	0	0.0%	4	3	0.33	0	0	0.0%	54	212	-74.5%
AD/JY CROSS RATES	0	0	0.0%	1,966	2,387	-0.18	0	0	0.0%	37,453	35,867	4.4%
AD/NE CROSS RATES	0	0	0.0%	9	34	-0.74	0	0	0.0%	679	532	27.6%
BP/JY CROSS RATES	0	0	0.0%	1,147	656	0.75	0	0	0.0%	18,451	11,178	65.1%
BP/SF CROSS RATES	0	0	0.0%	65	22	1.95	0	0	0.0%	431	1,485	-71.0%
CD/JY CROSS RATES	0	0	0.0%	0	17	-1	0	0	0.0%	11	244	-95.5%
EC/AD CROSS RATES	0	0	0.0%	613	1,009	-0.39	0	0	0.0%	16,835	17,741	-5.1%
EC/CD CROSS RATES	0	0	0.0%	1,727	827	1.09	0	0	0.0%	24,774	23,805	4.1%
EC/NOK CROSS RATES	0	0	0.0%	0	0	0	0	21	-100.0%	9	34	-73.5%
EC/SEK CROSS RATES	0	0	0.0%	108	36	2	0	0	0.0%	708	681	4.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>FX Futures</b>												
EFX/BP CROSS RATES	0	0	0.0%	67,431	45,390	0.49	0	0	0.0%	708,677	585,847	21.0%
EFX/JY CROSS RATES	0	0	0.0%	24,328	33,804	-0.28	0	0	0.0%	386,334	430,235	-10.2%
EFX/SF CROSS RATES	0	0	0.0%	24,758	20,889	0.19	0	0	0.0%	303,848	295,906	2.7%
SF/JY CROSS RATES	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	1,059	680	0.56	0	20	-100.0%	14,975	11,319	32.3%
CZECK KORUNA (US)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CZECK KORUNA (EC)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HUNGARIAN FORINT (US)	0	0	0.0%	0	0	0	0	0	0.0%	0	2	-100.0%
HUNGARIAN FORINT (EC)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
POLISH ZLOTY (US)	0	0	0.0%	1,059	1	1,058	0	0	0.0%	5,379	1,095	391.2%
POLISH ZLOTY (EC)	0	0	0.0%	32	2	15	0	0	0.0%	4,636	2	231,700.0%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
RMB USD	0	0	0.0%	49	374	-0.87	6	0	0.0%	1,782	4,619	-61.4%
KOREAN WON	0	0	0.0%	0	3	-1	0	0	0.0%	167	264	-36.7%
TURKISH LIRA	0	0	0.0%	0	5	-1	0	0	0.0%	0	26	-100.0%
TURKISH LIRA (EU)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MICRO EUR/USD	0	0	0.0%	210,672	344,378	-0.39	0	0	0.0%	2,744,721	3,723,657	-26.3%
E-MICRO GBP/USD	0	0	0.0%	138,409	39,838	2.47	0	0	0.0%	841,050	427,848	96.6%
E-MICRO USD/CAD	0	0	0.0%	0	0	0	0	0	0.0%	22	12	83.3%
E-MICRO USD/CHF	0	0	0.0%	0	0	0	0	0	0.0%	1	3	-66.7%
E-MICRO USD/JPY	0	0	0.0%	0	0	0	0	0	0.0%	4	102	-96.1%
E-MICRO AUD/USD	0	0	0.0%	100,626	61,402	0.64	0	0	0.0%	1,022,659	557,653	83.4%
MICRO CHF/USD	0	0	0.0%	1,626	2,785	-0.42	0	0	0.0%	18,793	24,038	-21.8%
E-MICRO JPY/USD	0	0	0.0%	20,655	9,257	1.23	0	0	0.0%	287,372	134,437	113.8%
E-MICRO INR/USD	0	0	0.0%	1,921	157	11.24	0	0	0.0%	20,903	2,445	754.9%
FCXRX	0	-	-	3,018	-	-	0	-	-	4,313	-	-
E-MICRO USD/CNH	0	0	0.0%	0	15	-1	0	0	0.0%	61	310	-80.3%
CHINESE RENMINBI (CNH)	0	0	0.0%	1,480	1,445	0.02	0	0	0.0%	13,455	8,658	55.4%
E-MICRO CAD/USD	0	0	0.0%	22,946	16,496	0.39	0	0	0.0%	211,628	134,527	57.3%
INDIAN RUPEE	0	0	0.0%	10,602	10,432	0.02	0	0	0.0%	120,440	114,282	5.4%
USDZAR	0	0	0.0%	0	29	-1	0	0	0.0%	6	509	-98.8%
EURO QUARTERLY VARIANCE	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>FX Options</b>												
AUSTRALIAN DOLLAR	280	904	-69.0%	83,441	111,298	-0.25	12,786	24,588	-48.0%	1,303,449	1,288,309	1.2%
BRITISH POUND	2,147	6,878	-68.8%	238,245	145,405	0.64	34,110	106,327	-67.9%	1,994,472	2,142,364	-6.9%
BRAZIL REAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR	1,357	514	164.0%	76,321	113,493	-0.33	24,810	25,272	-1.8%	1,322,155	1,147,517	15.2%
EURO FX	5,290	18,906	-72.0%	428,776	836,806	-0.49	102,424	289,366	-64.6%	6,452,556	10,190,870	-36.7%
JAPANESE YEN	2,757	10,356	-73.4%	206,021	282,566	-0.27	62,668	117,956	-46.9%	2,856,815	2,337,450	22.2%
MEXICAN PESO	2,410	530	354.7%	5,984	1,565	2.82	4,733	2,940	61.0%	33,102	11,600	185.4%
NEW ZEALND DOLLAR	0	0	0.0%	0	0	0	0	0	0.0%	0	13	-100.0%
RUSSIAN RUBLE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SWISS FRANC	0	50	-100.0%	4,110	11,470	-0.64	272	4,166	-93.5%	61,773	132,724	-53.5%
JAPANESE YEN (EU)	0	0	0.0%	0	535	-1	0	3	-100.0%	5,899	4,114	43.4%
EURO FX (EU)	5	0	0.0%	79	3,255	-0.98	5	5	0.0%	28,458	49,809	-42.9%
SWISS FRANC (EU)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	15	7	1.14	0	0	0.0%	1,804	1,373	31.4%
BRITISH POUND (EU)	0	0	0.0%	69	762	-0.91	0	2	-100.0%	9,151	6,199	47.6%
AUSTRALIAN DLR (EU)	0	0	0.0%	0	38	-1	0	0	0.0%	1,146	1,195	-4.1%
EUR/USD PQO 2pm Fix	1,190	-	-	100,906	-	-	1,702	-	-	149,951	-	-
CAD/USD PQO 2pm Fix	510	-	-	31,074	-	-	510	-	-	51,989	-	-
JPY/USD PQO 2pm Fix	0	-	-	36,611	-	-	19	-	-	67,077	-	-
AUD/USD PQO 2pm Fix	1,680	-	-	22,261	-	-	1,980	-	-	36,437	-	-
GBP/USD PQO 2pm Fix	1,283	-	-	51,605	-	-	1,323	-	-	75,876	-	-
CHF/USD PQO 2pm Fix	0	-	-	1,418	-	-	0	-	-	2,457	-	-
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
CORN	37,541	35,181	6.7%	5,091,869	5,428,397	-0.06	424,338	1,167,676	-63.7%	70,536,120	66,358,833	6.3%
SOYBEAN	29,898	32,054	-6.7%	5,483,896	5,802,893	-0.05	306,857	587,157	-47.7%	50,324,457	43,163,973	16.6%
SOYBEAN MEAL	3,017	6,596	-54.3%	1,902,971	2,033,979	-0.06	47,133	156,242	-69.8%	20,905,901	19,077,483	9.6%
SOYBEAN OIL	5,832	7,073	-17.5%	2,340,348	2,456,343	-0.05	45,757	138,126	-66.9%	23,062,748	22,609,341	2.0%
OATS	0	0	0.0%	20,616	11,558	0.78	60	553	-89.2%	181,082	140,420	29.0%
ROUGH RICE	0	0	0.0%	35,213	42,425	-0.17	0	996	-100.0%	248,712	251,081	-0.9%
MINI CORN	0	0	0.0%	11,682	9,370	0.25	0	1,409	-100.0%	119,363	112,453	6.1%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
MINI SOYBEAN	0	0	0.0%	35,485	27,342	0.3	0	3,129	-100.0%	243,748	198,067	23.1%
MINI WHEAT	0	0	0.0%	5,393	5,570	-0.03	0	489	-100.0%	64,190	71,605	-10.4%
LIVE CATTLE	2,022	4,383	-53.9%	1,025,850	1,217,674	-0.16	34,211	395,198	-91.3%	10,751,895	10,639,184	1.1%
FEEDER CATTLE	0	87	-100.0%	251,269	242,096	0.04	280	42,730	-99.3%	2,145,270	2,027,324	5.8%
LEAN HOGS	3,518	5,417	-35.1%	758,013	711,244	0.07	22,926	313,713	-92.7%	7,405,411	7,850,296	-5.7%
LUMBER	0	0	0.0%	16,400	20,973	-0.22	0	1,357	-100.0%	147,382	171,632	-14.1%
MILK	284	51	456.9%	23,847	17,919	0.33	1,157	3,228	-64.2%	253,888	223,868	13.4%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	13	137	-90.5%	5,419	5,057	0.07	13	399	-96.7%	47,356	37,614	25.9%
BUTTER CS	0	0	0.0%	4,744	1,488	2.19	0	0	0.0%	32,646	25,816	26.5%
CLASS IV MILK	70	0	0.0%	1,828	823	1.22	70	149	-53.0%	11,234	9,239	21.6%
DRY WHEY	0	0	0.0%	1,820	1,777	0.02	0	0	0.0%	12,366	16,390	-24.6%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0	0	0	0.0%	1,119	255	338.8%
GOLDMAN SACHS	0	0	0.0%	33,492	28,243	0.19	0	6,135	-100.0%	285,358	285,964	-0.2%
ETHANOL	0	0	0.0%	11,502	10,938	0.05	0	0	0.0%	137,625	162,325	-15.2%
HDD WEATHER	0	0	0.0%	50	150	-0.67	0	0	0.0%	328	227	44.5%
CDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	400	260	53.8%
HDD SEASONAL STRIP	0	0	0.0%	0	75	-1	0	0	0.0%	0	127	-100.0%
CDD SEASONAL STRIP	0	0	0.0%	0	0	0	0	0	0.0%	0	54	-100.0%
HDD WEATHER EUROPEAN	0	0	0.0%	0	0	0	0	0	0.0%	100	0	0.0%
CAT WEATHER EUROPEAN	0	0	0.0%	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%	50	0	0.0%
CAT EURO SEASONAL STRIP	0	-	-	0	-		0	-	-	0	-	-
WKLY AVG TEMP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
HOUSING INDEX	0	0	0.0%	14	9	0.56	0	0	0.0%	93	66	40.9%
DOW-UBS COMMOD INDEX	0	0	0.0%	16,596	16,518	0	0	0	0.0%	322,280	284,941	13.1%
COTTON	0	0	0.0%	9	43	-0.79	0	0	0.0%	575	552	4.2%
COCOA TAS	0	0	0.0%	30	219	-0.86	0	0	0.0%	2,580	1,193	116.3%
COFFEE	0	0	0.0%	3	36	-0.92	0	0	0.0%	168	584	-71.2%
SUGAR 11	0	0	0.0%	2	47	-0.96	0	0	0.0%	415	1,175	-64.7%
USD CRUDE PALM OIL	0	-	-	0	-		0	-	-	0	-	-
CASH-SETTLED CHEESE	0	0	0.0%	8,042	7,380	0.09	6	0	0.0%	101,081	90,022	12.3%
OTC SP GSCI ER SWAP	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DOW-UBS COMMOD INDEX SW	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry OCT 2016	Open Outcry OCT 2015	% CHG	ELEC OCT 2016	ELEC OCT 2015	% CHG	Open Outcry Y.T.D 2016	Open Outcry Y.T.D 2015	% CHG	ELEC Y.T.D 2016	ELEC Y.T.D 2015	% CHG
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
GRAIN BASIS SWAPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
FERTILIZER PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CHI WHEAT	16,109	16,984	-5.2%	2,174,818	2,289,872	-0.05	169,127	295,723	-42.8%	25,858,460	25,835,190	0.1%
DJ_UBS ROLL SELECT INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-100.0%
KC WHEAT	240	794	-69.8%	687,329	488,394	0.41	12,325	18,997	-35.1%	7,635,142	5,835,908	30.8%
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	501,161	516,533	-3.0%	1,077,572	922,202	0.17	7,131,029	8,579,869	-16.9%	13,255,551	12,772,344	3.8%
SOYBEAN	319,498	498,071	-35.9%	906,630	1,047,157	-0.13	4,448,105	5,745,797	-22.6%	13,330,746	10,462,065	27.4%
SOYBEAN MEAL	50,480	104,260	-51.6%	98,924	143,758	-0.31	636,465	987,926	-35.6%	1,345,295	1,465,826	-8.2%
SOYBEAN OIL	82,700	124,861	-33.8%	77,821	81,774	-0.05	945,404	1,049,095	-9.9%	987,363	593,943	66.2%
SOYBEAN CRUSH	89	374	-76.2%	0	0	0	4,773	1,639	191.2%	0	0	0.0%
OATS	1,382	1,244	11.1%	1,850	411	3.5	6,066	12,353	-50.9%	8,126	5,742	41.5%
ROUGH RICE	199	567	-64.9%	1,046	2,264	-0.54	2,413	5,774	-58.2%	15,256	13,359	14.2%
WHEAT	0	0	0.0%	0	0	0	0	485	-100.0%	0	0	0.0%
LIVE CATTLE	62,054	153,579	-59.6%	227,193	254,322	-0.11	1,143,681	1,007,998	13.5%	2,387,344	2,064,703	15.6%
FEEDER CATTLE	5,402	4,583	17.9%	32,554	32,085	0.01	45,857	36,801	24.6%	305,978	322,669	-5.2%
LEAN HOGS	33,690	58,718	-42.6%	189,256	153,159	0.24	377,051	576,006	-34.5%	1,478,599	1,731,727	-14.6%
LUMBER	5	0	0.0%	1,675	981	0.71	110	18	511.1%	10,268	11,550	-11.1%
MILK	10,694	7,899	35.4%	23,224	9,626	1.41	125,744	100,155	25.5%	171,641	124,011	38.4%
MLK MID	43	61	-29.5%	0	0	0	582	423	37.6%	0	0	0.0%
NFD MILK	1,462	5,730	-74.5%	1,941	1,876	0.03	19,979	33,489	-40.3%	12,267	4,135	196.7%
BUTTER CS	615	230	167.4%	680	70	8.71	9,552	9,468	0.9%	2,553	1,966	29.9%
CLASS IV MILK	409	938	-56.4%	682	515	0.32	2,838	5,320	-46.7%	8,084	2,139	277.9%
DRY WHEY	121	25	384.0%	0	2	-1	902	2,532	-64.4%	55	316	-82.6%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Commodities and Alternative Investments</b>												
<b>Options</b>												
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%	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%	0	0	0	0	0	0.0%	18	0	0.0%
CORN NEARBY+2 CAL SPRD	2,158	5,633	-61.7%	0	2	-1	32,733	38,742	-15.5%	82	2,167	-96.2%
SOYBN NEARBY+2 CAL SPRD	1,000	0	0.0%	0	0	0	1,401	280	400.4%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	2,508	7,649	-67.2%	454	76	4.97	44,486	118,738	-62.5%	1,791	5,666	-68.4%
JULY-DEC CORN CAL SPRD	0	7,935	-100.0%	0	0	0	36,609	30,551	19.8%	175	827	-78.8%
DEC-JULY WHEAT CAL SPRD	415	0	0.0%	0	0	0	515	35	1,371.4%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	1,557	1,033	50.7%	0	0	0	62,026	34,745	78.5%	263	198	32.8%
JULY-DEC WHEAT CAL SPRD	200	0	0.0%	0	0	0	33,374	10,404	220.8%	145	2,292	-93.7%
JULY-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	480	0	0.0%	13	0	0.0%
NOV-NOV SOYBEAN CAL SPR	11	0	0.0%	0	0	0	2,982	272	996.3%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	0	0	0.0%	0	0	0	3,785	300	1,161.7%	0	0	0.0%
LV CATL CSO	5	0	0.0%	0	0	0	265	81	227.2%	0	0	0.0%
SBIN HURR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JULY-DEC SOYMEAL CAL SPR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
JULY-DEC SOY OIL CAL SPRD	0	0	0.0%	0	0	0	0	45	-100.0%	0	0	0.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0	0	68	-100.0%	0	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0	0	75	-100.0%	0	0	0.0%
CASH-SETTLED CHEESE	8,081	4,759	69.8%	2,367	1,807	0.31	52,552	41,755	25.9%	23,117	15,080	53.3%
DEC-JULY CORN CAL SPRD	3,915	2,165	80.8%	10	0	0	20,203	9,575	111.0%	10	460	-97.8%
WHEAT-CORN ICSCO	3,210	700	358.6%	0	0	0	15,652	15,250	2.6%	0	0	0.0%
DEC-DEC CORN CAL SPRD	34	1,346	-97.5%	0	0	0	17,851	3,505	409.3%	15	0	0.0%
SNOWFALL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
AUG-NOV SOYBEAN CAL SPR	0	0	0.0%	0	0	0	20	0	0.0%	0	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MAR-DEC CORN CAL SPRD	0	0	0.0%	0	0	0	0	5,430	-100.0%	0	0	0.0%
CHI WHEAT	114,576	215,495	-46.8%	347,067	346,481	0	1,717,953	2,849,546	-39.7%	4,247,002	3,654,041	16.2%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	2,416	0	0.0%	4	0	0.0%
KC WHEAT	3,220	13,350	-75.9%	7,930	7,416	0.07	149,642	278,847	-46.3%	156,725	128,711	21.8%
MAR-JULY WHEAT CAL SPRD	0	5,295	-100.0%	0	2	-1	1,650	5,605	-70.6%	0	8	-100.0%
AUG-DEC SOYBEAN MEAL CS	0	-	-	0	-		5	-	-	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	325	-100.0%	0	0	0	3,395	959	254.0%	0	0	0.0%
SEP-DEC SOYBEAN MEAL CSC	0	0	0.0%	0	0	0	0	1,050	-100.0%	0	10	-100.0%
DEC-JUL SOYBEAN OIL CSO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
MAY-NOV SOYBEAN CAL SPR	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
NOV-DEC SOYBEAN CSO	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
<b>Ags Futures</b>												
WHEAT	0	-	-	44,388	-		0	-	-	65,098	-	-
<b>Ags Options</b>												
WHEAT	0	-	-	105	-		0	-	-	357	-	-
<b>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	7	-1	6	0	0.0%	4	71	-94.4%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	555,959	776,332	-28.4%	89,802,506	90,678,264	-1.0%	7,195,328	11,828,887	-39.2%	1,098,905,527	1,074,859,818	2.2%
Equity Index Futures	35,316	60,866	-42.0%	41,851,654	46,959,377	-10.9%	1,113,843	1,466,514	-24.0%	509,585,183	467,484,281	9.0%
Metals Futures	3,038	13,755	-77.9%	6,830,483	5,551,083	23.0%	101,475	639,941	-84.1%	80,492,075	61,948,418	29.9%
Energy Futures	760	15,161	-95.0%	40,506,918	32,924,407	23.0%	27,076	212,679	-87.3%	387,249,404	312,392,876	24.0%
FX Futures	1,815	3,081	-41.1%	14,536,794	14,465,534	0.5%	15,887	229,324	-93.1%	159,349,198	166,807,920	-4.5%
Commodities and Alternative Inve	98,544	108,757	-9.4%	19,948,550	20,878,852	-4.5%	1,064,260	3,133,406	-66.0%	220,839,543	205,483,468	7.5%
Ags Futures	0	-	-	44,388	-		0	-	-	65,098	-	-
Foreign Exchange Futures	0	0	0.0%	0	7	-100.0%	6	0	0.0%	4	71	-94.4%
<b>TOTAL FUTURES</b>	<b>695,432</b>	<b>977,952</b>	<b>-28.9%</b>	<b>213,521,293</b>	<b>211,457,524</b>	<b>1.0%</b>	<b>9,517,875</b>	<b>17,510,751</b>	<b>-45.6%</b>	<b>2,456,486,032</b>	<b>2,288,976,852</b>	<b>7.3%</b>

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<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	914,119	956,471	-4.4%	11,532,779	11,540,581	-0.1%	11,290,853	9,993,192	13.0%	118,670,211	108,201,375	9.7%
Interest Rate Options	14,043,439	19,607,828	-28.4%	11,566,673	11,536,274	0.3%	196,286,716	192,050,265	2.2%	137,522,726	115,370,436	19.2%
Metals Options	25,479	108,772	-76.6%	707,940	560,687	26.3%	677,084	1,022,536	-33.8%	6,799,307	5,156,696	31.9%
Energy Options	7,320	66,892	-89.1%	3,428,918	2,750,931	24.6%	277,566	1,443,440	-80.8%	35,733,455	25,357,449	40.9%
FX Options	18,909	38,138	-50.4%	1,286,936	1,507,200	-14.6%	247,342	570,625	-56.7%	14,454,567	17,313,537	-16.5%
Commodities and Alternative Inve	1,210,894	1,743,358	-30.5%	2,998,876	3,005,986	-0.2%	17,100,546	21,601,006	-20.8%	37,748,486	33,385,955	13.1%
Ags Options	0	-	-	105	-	-	0	-	-	357	-	-
<b>TOTAL OPTIONS</b>	<b>16,220,160</b>	<b>22,521,459</b>	<b>-28.0%</b>	<b>31,522,227</b>	<b>30,901,659</b>	<b>2.0%</b>	<b>225,880,107</b>	<b>226,681,064</b>	<b>-0.4%</b>	<b>350,929,109</b>	<b>304,785,448</b>	<b>15.1%</b>
<b>TOTAL COMBINED</b>												
Interest Rate	14,599,398	20,384,160	-28.4%	101,369,179	102,214,538	-0.8%	203,482,044	203,879,152	-0.2%	1,236,428,253	1,190,230,254	3.9%
Equity Index	949,435	1,017,337	-6.7%	53,384,433	58,499,958	-8.7%	12,404,696	11,459,706	8.2%	628,255,394	575,685,656	9.1%
Metals	28,517	122,527	-76.7%	7,538,423	6,111,770	23.3%	778,559	1,662,477	-53.2%	87,291,382	67,105,114	30.1%
Energy	8,080	82,053	-90.2%	43,935,836	35,675,338	23.2%	304,642	1,656,119	-81.6%	422,982,859	337,750,325	25.2%
FX	20,724	41,219	-49.7%	15,823,730	15,972,734	-0.9%	263,229	799,949	-67.1%	173,803,765	184,121,457	-5.6%
Commodities and Alternative Inve	1,309,438	1,852,115	-29.3%	22,947,426	23,884,838	-3.9%	18,164,806	24,734,412	-26.6%	258,588,029	238,869,423	8.3%
Ags	0	-	-	44,493	-	-	0	-	-	65,455	-	-
Foreign Exchange	0	0	0.0%	0	7	-100.0%	6	0	0.0%	4	71	-94.4%
<b>GRAND TOTAL</b>	<b>16,915,592</b>	<b>23,499,411</b>	<b>-28.0%</b>	<b>245,043,520</b>	<b>242,359,183</b>	<b>1.1%</b>	<b>235,397,982</b>	<b>244,191,815</b>	<b>-3.6%</b>	<b>2,807,415,141</b>	<b>2,593,762,300</b>	<b>8.2%</b>

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