

## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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	15,596	17,706	-11.9%	4,355,723	4,642,274	-0.06	85,376	404,316	-78.9%	22,703,940	25,073,571	-9.5%
10-YR NOTE	96,689	150,031	-35.6%	21,747,377	21,544,538	0.01	525,471	1,302,906	-59.7%	112,130,669	104,253,555	7.6%
5-YR NOTE	22,288	35,650	-37.5%	10,757,261	11,132,813	-0.03	92,161	923,175	-90.0%	59,367,088	57,765,315	2.8%
2-YR NOTE	1,228	5,347	-77.0%	4,158,871	4,034,170	0.03	2,408	465,954	-99.5%	23,827,366	24,500,819	-2.7%
FED FUND	0	510	-100.0%	2,115,908	1,106,530	0.91	0	8,376	-100.0%	9,496,583	4,829,346	96.6%
EUROYEN	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	422,191	446,785	-5.5%	40,373,348	38,644,457	0.04	2,579,878	2,124,057	21.5%	209,517,418	206,383,114	1.5%
5-YR SWAP RATE	0	0	0.0%	33,993	33,011	0.03	0	0	0.0%	235,216	194,410	21.0%
2-YR SWAP RATE	0	0	0.0%	385	824	-0.53	0	7	-100.0%	4,381	12,812	-65.8%
10-YR SWAP RATE	0	0	0.0%	24,470	38,106	-0.36	0	2,032	-100.0%	175,833	208,061	-15.5%
7-YR SWAP	0	-	-	0	-	-	0	-	-	3,052	-	-
1-MONTH EURODOLLAR	0	0	0.0%	115	2,302	-0.95	0	0	0.0%	2,660	14,736	-81.9%
ULTRA T-BOND	0	3,019	-100.0%	1,367,726	1,467,950	-0.07	0	227,628	-100.0%	8,393,252	8,403,343	-0.1%
Ultra 10-Year Note	0	-	-	927,641	-	-	0	-	-	2,896,516	-	-
30-YR SWAP RATE	0	61	-100.0%	1,354	3,371	-0.6	0	61	-100.0%	7,283	16,677	-56.3%
2YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	545	-100.0%
3YR BUNDLE	0	0	0.0%	0	1	-1	0	0	0.0%	0	118	-100.0%
EURO 5YR BUNDLE	0	0	0.0%	0	0	0	0	0	0.0%	0	28	-100.0%
<b>Interest Rate Options</b>												
30-YR BOND	196,399	361,848	-45.7%	1,087,008	1,142,406	-0.05	1,145,957	1,757,317	-34.8%	5,862,762	4,271,752	37.2%
10-YR NOTE	1,834,408	2,523,999	-27.3%	4,037,972	4,393,330	-0.08	9,201,076	12,312,920	-25.3%	19,625,989	20,427,106	-3.9%
5-YR NOTE	377,131	496,029	-24.0%	1,087,417	808,101	0.35	2,728,168	2,475,550	10.2%	5,316,224	4,199,856	26.6%
2-YR NOTE	70,681	42,884	64.8%	120,264	83,498	0.44	174,860	340,097	-48.6%	314,516	538,367	-41.6%
FED FUND	1,750	36,304	-95.2%	108	750	-0.86	31,630	148,266	-78.7%	1,566	9,728	-83.9%
FLEX 30-YR BOND	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
EURODOLLARS	8,061,587	6,077,964	32.6%	2,904,527	1,010,484	1.87	44,912,049	28,494,940	57.6%	12,030,803	4,856,267	147.7%
EURO MIDCURVE	4,967,583	7,133,584	-30.4%	2,152,977	1,988,647	0.08	31,862,685	32,898,211	-3.1%	14,017,506	6,989,324	100.6%
ULTRA T-BOND	1,115	856	30.3%	4,570	2,044	1.24	4,891	19,426	-74.8%	13,899	24,989	-44.4%
Ultra 10-Year Note	0	-	-	47	-	-	400	-	-	163	-	-

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<b>Equity Index Futures</b>												
\$25 DJ	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
DJIA	0	497	-100.0%	0	0	0	0	9,620	-100.0%	0	1,413	-100.0%
MINI \$5 DOW	0	0	0.0%	3,156,783	2,988,123	0.06	0	0	0.0%	15,883,571	12,604,579	26.0%
E-MINI S&P500	0	0	0.0%	34,550,477	26,737,167	0.29	0	0	0.0%	169,421,859	129,459,437	30.9%
S&P 500	53,565	52,033	2.9%	17,186	15,904	0.08	456,246	556,873	-18.1%	86,462	72,743	18.9%
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%	313,086	324,712	-0.04	0	0	0.0%	1,840,691	1,668,651	10.3%
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%	13	2	5.5	0	0	0.0%	96	131	-26.7%
S&P 500/VALUE	0	0	0.0%	2,757	10	274.7	0	0	0.0%	15,666	129	12,044.2%
E-MINI RUSSELL 1000	0	-	-	193	-	-	0	-	-	2,952	-	-
E-MINI NASDAQ 100	0	0	0.0%	4,945,350	4,616,793	0.07	0	0	0.0%	25,557,819	21,523,407	18.7%
NASDAQ	0	1,296	-100.0%	0	0	0	0	19,956	-100.0%	0	2,120	-100.0%
NIKKEI 225 (\$) STOCK	0	0	0.0%	417,912	281,830	0.48	0	0	0.0%	1,834,451	1,352,668	35.6%
NIKKEI 225 (YEN) STOCK	0	0	0.0%	1,395,287	869,774	0.6	0	0	0.0%	6,046,825	4,023,611	50.3%
DJ US REAL ESTATE	0	0	0.0%	6,650	6,911	-0.04	0	0	0.0%	42,043	36,625	14.8%
NASDAQ BIOTECH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
E-MICRO NIFTY	0	-	-	0	-	-	0	-	-	0	-	-
S&P CONSUMER STAPLES SE	0	0	0.0%	4,113	2,582	0.59	0	0	0.0%	28,958	14,874	94.7%
S&P HEALTH CARE SECTOR	0	0	0.0%	6,727	14,996	-0.55	0	0	0.0%	31,738	40,303	-21.3%
S&P TECHNOLOGY SECTOR	0	0	0.0%	2,098	1,929	0.09	0	0	0.0%	13,466	9,614	40.1%
S&P INDUSTRIAL SECTOR	0	0	0.0%	2,475	1,400	0.77	0	0	0.0%	9,851	9,262	6.4%
S&P CONSUMER DSCRTNRY S	0	0	0.0%	3,209	3,601	-0.11	0	0	0.0%	20,024	17,576	13.9%
S&P UTILITIES SECTOR	0	0	0.0%	7,861	9,811	-0.2	0	0	0.0%	47,476	40,424	17.4%
S&P FINANCIAL SECTOR	0	0	0.0%	3,388	1,145	1.96	0	0	0.0%	29,152	7,395	294.2%
S&P ENERGY SECTOR	0	0	0.0%	5,958	5,127	0.16	0	0	0.0%	32,806	18,340	78.9%
S&P MATERIALS SECTOR	0	0	0.0%	2,982	1,900	0.57	0	0	0.0%	14,174	16,030	-11.6%
E-MINI RUSSELL 1000 VALUE	0	-	-	275	-	-	0	-	-	2,946	-	-
E-MINI RUSSELL 1000 GROWT	0	-	-	158	-	-	0	-	-	1,900	-	-
FT-SE 100	0	-	-	1,353	-	-	0	-	-	7,099	-	-
IBOVESPA INDEX	0	0	0.0%	782	603	0.3	0	0	0.0%	2,318	1,006	130.4%

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<b>Equity Index Options</b>												
DJIA	0	0	0.0%	0	0	0	0	22	-100.0%	0	0	0.0%
MINI \$5 DOW	0	0	0.0%	9,372	7,867	0.19	0	0	0.0%	64,219	50,932	26.1%
E-MINI S&P500	42,060	26,270	60.1%	5,568,373	5,558,569	0	89,425	89,140	0.3%	27,581,229	24,162,972	14.1%
S&P 500	536,091	588,530	-8.9%	0	2	-1	3,371,861	2,643,389	27.6%	0	72	-100.0%
E-MINI MIDCAP	0	0	0.0%	0	9	-1	0	0	0.0%	5	19	-73.7%
E-MINI NASDAQ 100	0	0	0.0%	246,375	107,790	1.29	0	0	0.0%	992,943	482,413	105.8%
NASDAQ	0	0	0.0%	0	0	0	0	30	-100.0%	0	0	0.0%
EOM S&P 500	191,868	73,441	161.3%	0	0	0	628,638	357,203	76.0%	0	0	0.0%
EOM EMINI S&P	0	0	0.0%	1,942,625	777,208	1.5	0	0	0.0%	5,456,673	3,996,622	36.5%
EOW1 S&P 500	52,872	28,797	83.6%	0	0	0	186,307	129,175	44.2%	0	0	0.0%
EOW1 EMINI S&P 500	0	0	0.0%	667,466	766,900	-0.13	0	0	0.0%	3,452,354	3,538,181	-2.4%
EOW2 S&P 500	103,978	89,694	15.9%	0	0	0	395,374	312,927	26.3%	0	0	0.0%
EOW2 EMINI S&P 500	0	0	0.0%	778,646	952,172	-0.18	0	0	0.0%	3,874,732	3,735,582	3.7%
EOW4 EMINI S&P 500	0	0	0.0%	856,391	922,585	-0.07	0	0	0.0%	3,876,779	3,034,070	27.8%
EOW5 EMINI S&P 500	0	-	-	373,366	-	-	0	-	-	417,697	-	-
EOW5 S&P 500	56,831	-	-	0	-	-	118,037	-	-	0	-	-

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<b>Metals Futures</b>												
COMEX GOLD	6,768	51,596	-86.9%	3,703,316	2,869,807	0.29	47,474	164,719	-71.2%	17,169,652	13,645,857	25.8%
E-MINI SILVER	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
COMEX MINY COPPER	0	0	0.0%	528	687	-0.23	0	0	0.0%	2,830	4,500	-37.1%
COMEX SILVER	1,597	13,553	-88.2%	1,905,854	1,379,141	0.38	5,350	52,152	-89.7%	5,652,432	4,295,868	31.6%
COMEX COPPER	11	55,131	-100.0%	1,993,397	1,509,609	0.32	454	167,026	-99.7%	6,612,236	5,585,806	18.4%
NYMEX HOT ROLLED STEEL	0	0	0.0%	685	480	0.43	0	0	0.0%	2,014	640	214.7%
NYMEX PLATINUM	22	68	-67.6%	239,283	206,642	0.16	38	124	-69.4%	1,157,034	1,017,449	13.7%
URANIUM	0	0	0.0%	20	0	0	0	0	0.0%	739	792	-6.7%
PALLADIUM	0	40	-100.0%	87,971	72,362	0.22	63	134	-53.0%	406,220	400,623	1.4%
E-MICRO GOLD	0	0	0.0%	87,153	23,256	2.75	0	0	0.0%	350,385	113,882	207.7%
SILVER	0	0	0.0%	9,938	7,788	0.28	0	0	0.0%	30,600	40,305	-24.1%
ALUMINUM	0	0	0.0%	1,103	199	4.54	0	0	0.0%	5,226	1,215	330.1%
LNDN ZINC	0	-	-	0	-	-	0	-	-	79	-	-
COMEX E-Mini SILVER	0	0	0.0%	1,389	976	0.42	0	0	0.0%	3,579	3,788	-5.5%
COMEX E-Mini GOLD	0	0	0.0%	11,692	3,561	2.28	0	0	0.0%	41,361	24,257	70.5%
Aluminium MW Trans Prem Platts	0	0	0.0%	291	429	-0.32	0	0	0.0%	1,835	1,280	43.4%
Gold Kilo	0	0	0.0%	3,861	4,350	-0.11	0	0	0.0%	24,316	12,521	94.2%
COPPER	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%	498	0	0	0	0	0.0%	3,105	0	0.0%
IRON ORE 62 CHINA PLATTS F	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
FERROUS PRODUCTS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
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	39,240	83,139	-52.8%	529,109	393,964	0.34	330,622	350,282	-5.6%	2,550,739	1,594,348	60.0%
COMEX SILVER	11,843	13,159	-10.0%	122,308	77,943	0.57	35,371	56,559	-37.5%	389,156	338,736	14.9%
COMEX COPPER	50	890	-94.4%	2,072	967	1.14	950	4,497	-78.9%	6,579	5,884	11.8%
NYMEX PLATINUM	489	162	201.9%	406	663	-0.39	1,566	1,836	-14.7%	2,257	1,898	18.9%
PALLADIUM	12	105	-88.6%	93	199	-0.53	272	825	-67.0%	513	1,360	-62.3%
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%
SILVER	0	0	0.0%	2	2	0	0	10	-100.0%	33	1,029	-96.8%
GOLD	180	320	-43.8%	2,958	542	4.46	556	1,060	-47.5%	13,449	6,387	110.6%
COPPER	0	-	-	0	-		0	-	-	0	-	-
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%	0	0	0	0	0	0.0%	0	61	-100.0%
NORTHWEST ROCKIES BASIS	0	0	0.0%	0	0	0	0	0	0.0%	60	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	100	-100.0%	9,676	468	19.68	800	166	381.9%	34,540	12,903	167.7%
HTG OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LTD NAT GAS	0	154	-100.0%	73,054	67,682	0.08	0	437	-100.0%	297,881	163,964	81.7%
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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<b>Energy Futures</b>												
HUSTN SHIP CHNL PIPE SWP	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	0	0.0%	2,225,836	1,811,342	0.23	0	0	0.0%	9,007,532	9,802,659	-8.1%
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%	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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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%
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	-	-
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%
Tetco ELA 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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
PANHANDLE INDEX SWAP FUT	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	-	-
CINERGY HUB PEAK MONTH	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
HEATING OIL PHY	142	281	-49.5%	3,007,364	2,493,248	0.21	567	3,177	-82.2%	11,574,086	11,335,339	2.1%
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%
SINGAPORE GASOIL BALMO	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%	8	7	0.14	0	0	0.0%	33	30	10.0%
WAHA BASIS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
MINY NATURAL GAS	0	0	0.0%	23,014	19,937	0.15	0	0	0.0%	101,133	142,372	-29.0%
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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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%
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%
COLUMB GULF MAINLINE NG B	0	0	0.0%	0	0	0	0	0	0.0%	0	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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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 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	59	243	-75.7%	3,280,884	3,142,961	0.04	273	1,724	-84.2%	13,528,576	12,218,736	10.7%
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%
NORTHERN 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%	293,961	283,765	0.04	0	0	0.0%	1,258,595	1,444,363	-12.9%
NEW ENGLAND HUB PEAK DAI	0	-	-	0	-	-	0	-	-	0	-	-
ROCKIES KERN OPAL - NW IN	0	-	-	0	-	-	0	-	-	0	-	-
NATURAL GAS PHY	118	825	-85.7%	8,116,382	5,853,801	0.39	1,085	6,855	-84.2%	28,602,190	25,876,006	10.5%
APPALACHIAN COAL (PHY)	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
WTI CALENDAR	494	0	0.0%	0	0	0	572	22	2,500.0%	0	0	0.0%
HENRY HUB BASIS SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	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	1,573	17,908	-91.2%	22,957,887	17,020,145	0.35	12,637	80,220	-84.2%	90,907,428	69,737,219	30.4%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	0	12	-100.0%	0	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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
CHICAGO ETHANOL SWAP	0	0	0.0%	1,283	441	1.91	0	0	0.0%	4,147	652	536.0%
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%	4	4	0	0	0	0.0%	17	22	-22.7%
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	51	-100.0%	0	0	0	24	107	-77.6%	3	0	0.0%
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	0	0	0	0	0.0%	0	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%	0	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%	0	0	0	0	0	0.0%	0	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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
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%	0	0	0	0	0	0.0%	0	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 TEXOK SWING SWAP	-	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%	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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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 GASOIL VS ICE	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NATURAL GAS PEN SWP	0	72	-100.0%	0	0	0	92	15,732	-99.4%	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	-	-
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%	0	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 CALENDAR	0	0	0.0%	0	0	0	0	0	0.0%	3	2	50.0%
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%	275,172	53,902	4.11	736	72	922.2%	860,619	85,426	907.4%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
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%	50	0	0	0	0	0.0%	50	306	-83.7%
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%	4	51	-0.92	0	0	0.0%	36	73	-50.7%
EUROPEAN GASOIL (ICE)	0	0	0.0%	155,509	7,971	18.51	0	0	0.0%	1,190,660	49,277	2,316.3%
ERCOT NORTH ZMCPE 5MW O	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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>Energy Futures</b>												
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	13	-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	-	-
RBOB CRACK SPREAD BALMO	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%
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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
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	-	-
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	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%
NATURAL GAS FIXED PRICE S	0	-	-	0	-	-	0	-	-	0	-	-
NATURAL GAS INDEX	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%
MGN1 SWAP FUT	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%
PJM ATSI ELEC	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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
CRUDE OIL TRADE AT MARKE	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%
CHICAGO ULSD (PLATTS) SWA	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SUMAS NAT GAS PLATTS FIXE	0	-	-	0	-		0	-	-	0	-	-
NEW YORK HUB ZONE J PEAK	0	-	-	0	-		0	-	-	0	-	-
MICHIGAN MISO	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
ELEC ERCOT DLY OFF PK	0	-	-	0	-		0	-	-	0	-	-
MINI RBOB V. EBOBARG NWE	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%
3.5% FUEL OIL CIF BALMO S	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%
GROUP THREE ULSD (PLATTS)	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%
CANADIAN LIGHT SWEET OIL	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%
COLUMBIA GULF NAT GAS FIX	0	-	-	0	-		0	-	-	0	-	-
DY EURO 3.5% FUEL OI RDA	0	-	-	0	-		0	-	-	0	-	-
EMMISSIONS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
VENTURA NAT GAS PLATTS FI	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	-	-
DIESEL10PPM BARG VS ICE LS	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%
<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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
SOCAL PIPE SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	1,231	228	439.9%	917	3	304.67	1,412	1,880	-24.9%	918	3	30,500.0%
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	839	2,671	-68.6%	5,883	6,110	-0.04	3,779	12,267	-69.2%	31,576	29,313	7.7%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RBOB PHY	1,162	2,033	-42.8%	8,695	7,091	0.23	6,484	7,718	-16.0%	35,376	25,243	40.1%
NATURAL GAS PHY	1,243	11,589	-89.3%	643,886	201,155	2.2	13,041	93,282	-86.0%	2,117,734	798,816	165.1%
CRUDE OIL APO	1,580	45	3,411.1%	0	0	0	5,040	330	1,427.3%	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	0	0.0%	0	0	0	200	962	-79.2%	0	0	0.0%
WTI CRUDE OIL 1 M CSO FI	0	3,000	-100.0%	4,509	0	0	0	3,000	-100.0%	10,926	0	0.0%
CRUDE OIL PHY	34,798	144,741	-76.0%	2,881,689	2,242,010	0.29	147,385	695,144	-78.8%	11,782,945	9,230,252	27.7%
RBOB CALENDAR SWAP	0	0	0.0%	0	0	0	48	9	433.3%	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	95	301	-68.4%	0	0	0	766	778	-1.5%	0	0	0.0%
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%	0	0	0	0	0	0.0%	0	0	0.0%
HO 1 MONTH CLNDR OPTIONS	0	0	0.0%	0	0	0	0	25	-100.0%	0	0	0.0%
NG HH 3 MONTH CAL	0	-	-	0	-	-	250	-	-	0	-	-
CRUDE OIL 1MO	0	3,400	-100.0%	102,496	8,682	10.81	0	4,600	-100.0%	144,984	27,826	421.0%
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%
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	1	-1	0	0	0.0%	0	3	-100.0%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
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%
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	-	-
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%
COAL API4 INDEX	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
LLS CRUDE OIL	0	-	-	0	-		0	-	-	0	-	-
PJM WES HUB PEAK LMP 50M	0	-	-	0	-		0	-	-	0	-	-
GASOLINE	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%
PJM WES HUB PEAK CAL MTH	0	-	-	0	-		0	-	-	0	-	-
1 MO GASOIL CAL SWAP SPR	0	-	-	0	-		0	-	-	0	-	-
PJM ELECTRIC	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%
WTI CRUDE OIL 12 M CSO F	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
AUSTRALIAN DOLLAR	30	308	-90.3%	2,015,790	2,190,463	-0.08	84	5,065	-98.3%	8,439,952	8,366,255	0.9%
BRITISH POUND	15	205	-92.7%	1,962,122	1,914,200	0.03	281	3,634	-92.3%	8,419,982	8,433,790	-0.2%
BRAZIL REAL	0	2	-100.0%	46,292	30,583	0.51	0	4	-100.0%	230,920	151,708	52.2%
CANADIAN DOLLAR	5	626	-99.2%	1,480,900	1,386,678	0.07	250	5,671	-95.6%	6,498,606	5,912,783	9.9%
E-MINI EURO FX	0	0	0.0%	71,191	140,472	-0.49	0	0	0.0%	367,685	534,871	-31.3%
EURO FX	1,191	2,295	-48.1%	3,683,205	5,728,908	-0.36	4,541	30,228	-85.0%	17,695,020	22,555,658	-21.5%
E-MINI JAPANESE YEN	0	0	0.0%	38,559	13,845	1.79	0	0	0.0%	153,152	75,212	103.6%
JAPANESE YEN	592	1,266	-53.2%	2,725,888	2,448,815	0.11	2,122	9,938	-78.6%	13,343,027	12,185,418	9.5%
MEXICAN PESO	0	61,000	-100.0%	1,132,849	853,934	0.33	0	102,896	-100.0%	4,460,333	3,539,602	26.0%
NEW ZEALND DOLLAR	0	0	0.0%	391,923	374,938	0.05	0	52	-100.0%	1,674,718	1,574,406	6.4%
NKR/USD CROSS RATE	0	0	0.0%	707	322	1.2	0	0	0.0%	4,826	4,183	15.4%
RUSSIAN RUBLE	0	0	0.0%	22,413	20,379	0.1	0	4	-100.0%	119,316	78,910	51.2%
S.AFRICAN RAND	0	0	0.0%	10,890	11,348	-0.04	0	0	0.0%	51,811	53,600	-3.3%
SWISS FRANC	0	44	-100.0%	397,860	470,118	-0.15	0	934	-100.0%	1,890,256	1,967,438	-3.9%
AD/CD CROSS RATES	0	0	0.0%	6	34	-0.82	0	0	0.0%	36	128	-71.9%
AD/JY CROSS RATES	0	0	0.0%	3,331	3,532	-0.06	0	0	0.0%	20,032	13,798	45.2%
AD/NE CROSS RATES	0	0	0.0%	29	110	-0.74	0	0	0.0%	322	224	43.8%
BP/JY CROSS RATES	0	0	0.0%	1,278	990	0.29	0	0	0.0%	6,088	5,674	7.3%
BP/SF CROSS RATES	0	0	0.0%	12	33	-0.64	0	0	0.0%	47	654	-92.8%
CD/JY CROSS RATES	0	0	0.0%	0	34	-1	0	0	0.0%	9	86	-89.5%
EC/AD CROSS RATES	0	0	0.0%	1,769	2,031	-0.13	0	0	0.0%	6,848	5,380	27.3%
EC/CD CROSS RATES	0	0	0.0%	1,505	1,756	-0.14	0	0	0.0%	10,186	13,307	-23.5%
EC/NOK CROSS RATES	0	0	0.0%	0	0	0	0	5	-100.0%	5	16	-68.8%
EC/SEK CROSS RATES	0	0	0.0%	31	79	-0.61	0	0	0.0%	191	304	-37.2%
EFX/BP CROSS RATES	0	0	0.0%	52,206	36,191	0.44	0	0	0.0%	304,844	234,113	30.2%
EFX/JY CROSS RATES	0	0	0.0%	33,824	32,951	0.03	0	0	0.0%	173,370	167,214	3.7%
EFX/SF CROSS RATES	0	0	0.0%	25,553	17,790	0.44	0	0	0.0%	122,984	122,689	0.2%
SF/JY CROSS RATES	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
SKR/USD CROSS RATES	0	0	0.0%	923	575	0.61	0	0	0.0%	4,975	4,037	23.2%
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%	490	0	0	0	0	0.0%	1,644	929	77.0%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
POLISH ZLOTY (EC)	0	0	0.0%	1,636	0	0	0	0	0.0%	4,069	0	0.0%
SHEKEL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
RMB USD	0	0	0.0%	33	302	-0.89	6	0	0.0%	1,465	1,529	-4.2%
KOREAN WON	0	0	0.0%	1	1	0	0	0	0.0%	72	69	4.3%
TURKISH LIRA	0	0	0.0%	0	0	0	0	0	0.0%	0	6	-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%	275,179	433,349	-0.36	0	0	0.0%	1,387,384	1,346,286	3.1%
E-MICRO GBP/USD	0	0	0.0%	49,721	45,871	0.08	0	0	0.0%	217,658	153,158	42.1%
E-MICRO USD/CAD	0	0	0.0%	7	2	2.5	0	0	0.0%	22	4	450.0%
E-MICRO USD/CHF	0	0	0.0%	0	0	0	0	0	0.0%	1	1	0.0%
E-MICRO USD/JPY	0	0	0.0%	2	2	0	0	0	0.0%	4	27	-85.2%
E-MICRO AUD/USD	0	0	0.0%	87,468	50,807	0.72	0	0	0.0%	348,149	208,501	67.0%
MICRO CHF/USD	0	0	0.0%	1,337	1,239	0.08	0	0	0.0%	9,758	11,420	-14.6%
E-MICRO JPY/USD	0	0	0.0%	30,433	9,793	2.11	0	0	0.0%	114,105	56,720	101.2%
FCXRX	0	-	-	4	-	-	0	-	-	4	-	-
CHINESE RENMINBI (CNH)	0	0	0.0%	1,712	475	2.6	0	0	0.0%	6,761	2,728	147.8%
E-MICRO USD/CNH	0	0	0.0%	12	33	-0.64	0	0	0.0%	60	259	-76.8%
E-MICRO CAD/USD	0	0	0.0%	21,582	14,407	0.5	0	0	0.0%	75,838	58,479	29.7%
E-MICRO INR/USD	0	0	0.0%	1,096	411	1.67	0	0	0.0%	2,597	1,783	45.7%
INDIAN RUPEE	0	0	0.0%	9,714	13,661	-0.29	0	0	0.0%	42,161	46,225	-8.8%
USDZAR	0	0	0.0%	0	64	-1	0	0	0.0%	4	217	-98.2%
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 APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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	375	6,838	-94.5%	129,477	132,160	-0.02	2,478	18,760	-86.8%	549,555	520,292	5.6%
BRITISH POUND	5,332	13,460	-60.4%	207,560	285,930	-0.27	20,851	46,552	-55.2%	829,999	1,059,852	-21.7%
BRAZIL REAL	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR	1,644	2,855	-42.4%	122,594	107,547	0.14	18,225	11,799	54.5%	677,386	456,495	48.4%
EURO FX	17,378	29,314	-40.7%	613,287	1,188,669	-0.48	68,149	136,047	-49.9%	3,217,524	4,609,762	-30.2%
JAPANESE YEN	6,011	10,267	-41.5%	305,869	175,396	0.74	32,210	41,966	-23.2%	1,229,904	770,367	59.7%
MEXICAN PESO	425	100	325.0%	1,534	926	0.66	720	1,405	-48.8%	9,001	4,803	87.4%
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	72	166	-56.6%	6,295	10,112	-0.38	207	3,727	-94.4%	30,542	83,862	-63.6%
JAPANESE YEN (EU)	0	0	0.0%	577	252	1.29	0	0	0.0%	2,706	1,122	141.2%
EURO FX (EU)	0	0	0.0%	2,742	5,078	-0.46	0	4	-100.0%	15,632	27,344	-42.8%
SWISS FRANC (EU)	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
CANADIAN DOLLAR (EU)	0	0	0.0%	22	0	0	0	0	0.0%	1,528	1,125	35.8%
BRITISH POUND (EU)	0	0	0.0%	1,093	342	2.2	0	2	-100.0%	6,280	3,261	92.6%
AUSTRALIAN DLR (EU)	0	0	0.0%	53	141	-0.62	0	0	0.0%	970	358	170.9%
<b>Commodities and Alternative Investments</b>												
<b>Futures</b>												
CORN	56,431	193,591	-70.9%	11,148,349	7,375,217	0.51	139,369	566,983	-75.4%	30,179,190	24,677,305	22.3%
SOYBEAN	48,828	70,755	-31.0%	8,046,652	4,717,090	0.71	126,724	263,454	-51.9%	20,954,996	16,418,039	27.6%
SOYBEAN MEAL	6,446	23,368	-72.4%	3,181,251	2,002,137	0.59	16,538	78,433	-78.9%	8,254,595	6,778,301	21.8%
SOYBEAN OIL	4,863	20,747	-76.6%	3,331,500	2,439,028	0.37	16,143	74,919	-78.5%	9,049,228	8,268,169	9.4%
OATS	0	44	-100.0%	25,438	22,928	0.11	0	341	-100.0%	76,969	65,295	17.9%
ROUGH RICE	0	647	-100.0%	40,405	40,268	0	0	873	-100.0%	104,414	92,176	13.3%
MINI CORN	0	286	-100.0%	15,834	9,175	0.73	0	988	-100.0%	38,048	43,488	-12.5%
MINI SOYBEAN	0	487	-100.0%	47,239	16,008	1.95	0	2,390	-100.0%	88,945	80,147	11.0%
MINI WHEAT	0	26	-100.0%	8,279	6,973	0.19	0	145	-100.0%	22,211	24,957	-11.0%
LIVE CATTLE	2,887	48,255	-94.0%	1,007,478	909,844	0.11	17,100	266,654	-93.6%	4,261,638	4,049,812	5.2%
FEEDER CATTLE	18	8,067	-99.8%	234,275	191,946	0.22	62	34,426	-99.8%	868,947	821,075	5.8%
LEAN HOGS	1,618	43,411	-96.3%	587,601	672,555	-0.13	8,390	219,106	-96.2%	2,685,439	3,082,139	-12.9%
LUMBER	0	151	-100.0%	15,888	20,940	-0.24	0	988	-100.0%	60,250	64,979	-7.3%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>												
MILK	129	245	-47.3%	22,447	22,630	-0.01	145	2,282	-93.6%	83,237	103,926	-19.9%
MLK MID	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
NFD MILK	0	72	-100.0%	4,027	2,224	0.81	0	173	-100.0%	23,114	11,866	94.8%
BUTTER CS	0	0	0.0%	3,188	2,530	0.26	0	0	0.0%	13,668	10,553	29.5%
CLASS IV MILK	0	0	0.0%	1,464	446	2.28	0	119	-100.0%	2,914	2,940	-0.9%
DRY WHEY	0	0	0.0%	731	1,035	-0.29	0	0	0.0%	4,470	7,023	-36.4%
GSCI EXCESS RETURN FUT	0	0	0.0%	0	0	0	0	0	0.0%	409	130	214.6%
GOLDMAN SACHS	0	397	-100.0%	26,818	27,560	-0.03	0	5,663	-100.0%	109,800	109,797	0.0%
ETHANOL	0	0	0.0%	13,085	19,845	-0.34	0	0	0.0%	53,914	74,384	-27.5%
HDD WEATHER	0	0	0.0%	0	0	0	0	0	0.0%	78	52	50.0%
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	50	-100.0%
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%	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%	16	12	0.33	0	0	0.0%	35	36	-2.8%
DOW-UBS COMMOD INDEX	0	0	0.0%	25,529	15,038	0.7	0	0	0.0%	130,010	81,296	59.9%
COTTON	0	0	0.0%	14	61	-0.77	0	0	0.0%	294	172	70.9%
COCOA TAS	0	0	0.0%	182	45	3.04	0	0	0.0%	870	226	285.0%
COFFEE	0	0	0.0%	6	47	-0.87	0	0	0.0%	72	281	-74.4%
SUGAR 11	0	0	0.0%	60	205	-0.71	0	0	0.0%	242	742	-67.4%
CASH-SETTLED CHEESE	0	0	0.0%	8,588	8,039	0.07	0	0	0.0%	42,210	37,113	13.7%
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%
GRAIN BASIS SWAPS	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
FERTILIZER PRODCUS	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
KC WHEAT	1,492	3,725	-59.9%	962,942	723,562	0.33	6,389	8,414	-24.1%	2,909,082	2,355,954	23.5%
CHI WHEAT	23,241	28,668	-18.9%	3,559,667	3,007,391	0.18	72,277	113,889	-36.5%	10,586,841	9,650,709	9.7%
Intercommodity Spread	0	-	-	0	-		0	-	-	0	-	-
DJ_UBS ROLL SELECT INDEX	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%

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<b>Commodities and Alternative Investments Futures</b>												
MALAYSIAN PALM SWAP	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
<b>Commodities and Alternative Investments Options</b>												
CORN	816,694	705,021	15.8%	1,636,088	946,334	0.73	2,368,800	2,917,270	-18.8%	4,405,278	4,033,993	9.2%
SOYBEAN	687,896	526,287	30.7%	2,192,249	1,028,037	1.13	1,838,645	2,324,852	-20.9%	5,290,087	3,798,515	39.3%
SOYBEAN MEAL	98,633	109,032	-9.5%	242,102	157,827	0.53	260,126	381,603	-31.8%	542,732	576,299	-5.8%
SOYBEAN OIL	90,412	72,605	24.5%	125,603	39,737	2.16	374,015	389,812	-4.1%	420,340	182,585	130.2%
SOYBEAN CRUSH	1,134	2	56,600.0%	0	0	0	3,022	244	1,138.5%	0	0	0.0%
OATS	937	1,728	-45.8%	819	1,199	-0.32	2,454	6,228	-60.6%	2,422	2,477	-2.2%
ROUGH RICE	531	446	19.1%	1,175	870	0.35	1,906	2,691	-29.2%	6,547	2,978	119.8%
WHEAT	0	0	0.0%	0	0	0	0	485	-100.0%	0	0	0.0%
LIVE CATTLE	163,573	63,534	157.5%	256,705	151,542	0.69	609,745	334,474	82.3%	997,958	857,725	16.3%
FEEDER CATTLE	3,802	3,793	0.2%	37,980	25,724	0.48	17,287	15,620	10.7%	124,071	129,832	-4.4%
LEAN HOGS	33,654	48,029	-29.9%	105,983	145,675	-0.27	133,044	206,955	-35.7%	431,011	772,979	-44.2%
LUMBER	46	3	1,433.3%	853	1,373	-0.38	51	4	1,175.0%	3,878	4,870	-20.4%
MILK	8,587	8,254	4.0%	11,947	14,417	-0.17	38,425	45,068	-14.7%	48,458	58,066	-16.5%
MLK MID	6	28	-78.6%	0	0	0	129	138	-6.5%	0	0	0.0%
NFD MILK	2,421	1,974	22.6%	549	334	0.64	12,101	10,823	11.8%	4,003	875	357.5%
BUTTER CS	964	557	73.1%	165	90	0.83	5,191	3,034	71.1%	869	632	37.5%
CLASS IV MILK	249	192	29.7%	149	40	2.73	453	1,430	-68.3%	896	543	65.0%
DRY WHEY	226	513	-55.9%	0	37	-1	415	1,817	-77.2%	19	218	-91.3%
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%	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%	18	0	0	0	0	0.0%	18	0	0.0%
CORN NEARBY+2 CAL SPRD	3,302	1,225	169.6%	0	211	-1	7,559	5,311	42.3%	56	1,094	-94.9%
SOYBN NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0	350	0	0.0%	0	0	0.0%
WHEAT NEARBY+2 CAL SPRD	2,495	10,037	-75.1%	0	2,485	-1	19,937	38,517	-48.2%	765	3,441	-77.8%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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 Options</b>												
JULY-DEC CORN CAL SPRD	11,720	140	8,271.4%	102	100	0.02	23,765	8,507	179.4%	153	187	-18.2%
DEC-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
JULY-NOV SOYBEAN CAL SPR	22,700	6,160	268.5%	139	4	33.75	29,693	19,030	56.0%	238	174	36.8%
JULY-DEC WHEAT CAL SPRD	8,535	1,925	343.4%	100	260	-0.62	19,030	4,705	304.5%	100	271	-63.1%
JULY-JULY WHEAT CAL SPRD	230	0	0.0%	0	0	0	230	0	0.0%	0	0	0.0%
NOV-NOV SOYBEAN CAL SPR	79	0	0.0%	0	0	0	208	33	530.3%	0	0	0.0%
SOYMEAL NEARBY+2 CAL SPR	100	0	0.0%	0	0	0	2,575	300	758.3%	0	0	0.0%
LV CATL CSO	0	17	-100.0%	0	0	0	25	54	-53.7%	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	25	-100.0%	0	0	0.0%
NOV-JULY SOYBEAN CAL SPR	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
SOY OIL NEARBY+2 CAL SPRD	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
CASH-SETTLED CHEESE	2,297	4,187	-45.1%	2,606	1,389	0.88	12,061	18,661	-35.4%	11,416	4,479	154.9%
DEC-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	0	100	-100.0%	0	0	0.0%
WHEAT-CORN ICSO	121	400	-69.8%	0	0	0	5,357	4,900	9.3%	0	0	0.0%
DEC-DEC CORN CAL SPRD	1,033	84	1,129.8%	0	0	0	2,806	364	670.9%	5	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	0.0%	-	0	0.0%
JAN-MAY SOYBEAN CAL SPRD	-	0	0.0%	-	0	0	-	0	0.0%	-	0	0.0%
KC WHEAT	20,568	49,252	-58.2%	22,109	17,669	0.25	72,576	152,717	-52.5%	57,906	74,914	-22.7%
CHI WHEAT	230,287	242,658	-5.1%	631,555	312,793	1.02	802,114	1,041,052	-23.0%	1,924,711	1,196,693	60.8%
MAR-JULY CORN CAL SPRD	0	0	0.0%	0	0	0	2,416	0	0.0%	4	0	0.0%
MAR-JULY WHEAT CAL SPRD	0	0	0.0%	0	0	0	1,650	310	432.3%	0	6	-100.0%
Intercommodity Spread	0	527	-100.0%	0	0	0	1,850	527	251.0%	0	0	0.0%
SEP-DEC SOYBEAN MEAL CSC	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%
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%

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## CME Group Exchange Volume Comparison Report - Monthly

	Open Outcry APR 2016	Open Outcry APR 2015	% CHG	ELEC APR 2016	ELEC APR 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>Foreign Exchange Futures</b>												
CHILEAN PESO	0	0	0.0%	0	0	0	6	0	0.0%	4	10	-60.0%
<b>Ags Futures</b>												
PALM OIL	0	0	0.0%	0	0	0	0	0	0.0%	0	0	0.0%
<b>TOTAL FUTURES GROUP</b>												
Interest Rate Futures	557,992	659,109	-15.3%	85,864,172	82,650,347	3.9%	3,285,294	5,458,512	-39.8%	448,761,257	431,656,450	4.0%
Equity Index Futures	53,565	53,826	-0.5%	44,847,073	35,884,320	25.0%	456,246	586,488	-22.2%	220,974,343	170,920,338	29.3%
Metals Futures	8,398	120,388	-93.0%	8,046,979	6,079,287	32.4%	53,379	384,155	-86.1%	31,463,643	25,148,783	25.1%
Energy Futures	2,386	19,634	-87.8%	40,420,088	30,755,725	31.4%	16,786	108,524	-84.5%	157,367,589	130,869,444	20.2%
FX Futures	1,833	65,746	-97.2%	14,581,483	16,251,526	-10.3%	7,284	158,431	-95.4%	66,211,297	67,889,801	-2.5%
Commodities and Alternative Inve	145,953	442,942	-67.0%	32,318,953	22,254,779	45.2%	403,137	1,640,240	-75.4%	90,606,280	76,913,132	17.8%
Foreign Exchange Futures	0	0	0.0%	0	0	0.0%	6	0	0.0%	4	10	-60.0%
Ags Futures	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
<b>TOTAL FUTURES</b>	<b>770,127</b>	<b>1,361,645</b>	<b>-43.4%</b>	<b>226,078,748</b>	<b>193,875,984</b>	<b>16.6%</b>	<b>4,222,132</b>	<b>8,336,350</b>	<b>-49.4%</b>	<b>1,015,384,413</b>	<b>903,397,958</b>	<b>12.4%</b>
<b>TOTAL OPTIONS GROUP</b>												
Equity Index Options	983,700	806,732	21.9%	10,442,614	9,093,102	14.8%	4,789,642	3,531,886	35.6%	45,716,631	39,000,863	17.2%
Interest Rate Options	15,510,654	16,673,468	-7.0%	11,394,890	9,429,260	20.8%	90,061,716	78,446,727	14.8%	57,183,428	41,317,389	38.4%
Metals Options	51,814	97,775	-47.0%	656,948	474,280	38.5%	369,337	415,069	-11.0%	2,962,726	1,949,642	52.0%
Energy Options	40,948	168,008	-75.6%	3,648,075	2,465,052	48.0%	178,655	819,995	-78.2%	14,124,459	10,111,456	39.7%
FX Options	31,237	63,000	-50.4%	1,391,103	1,906,553	-27.0%	142,840	260,262	-45.1%	6,571,027	7,538,656	-12.8%
Commodities and Alternative Inve	2,213,232	1,858,610	19.1%	5,268,996	2,848,147	85.0%	6,670,011	7,943,091	-16.0%	14,273,941	11,703,846	22.0%
<b>TOTAL OPTIONS</b>	<b>18,831,585</b>	<b>19,667,593</b>	<b>-4.3%</b>	<b>32,802,626</b>	<b>26,216,394</b>	<b>25.1%</b>	<b>102,212,201</b>	<b>91,417,030</b>	<b>11.8%</b>	<b>140,832,212</b>	<b>111,621,852</b>	<b>26.2%</b>

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## CME Group Exchange Volume Comparison Report - Monthly

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<b>TOTAL COMBINED</b>												
Interest Rate	16,068,646	17,332,577	-7.3%	97,259,062	92,079,607	5.6%	93,347,010	83,905,239	11.3%	505,944,685	472,973,839	7.0%
Equity Index	1,037,265	860,558	20.5%	55,289,687	44,977,422	22.9%	5,245,888	4,118,374	27.4%	266,690,974	209,921,201	27.0%
Metals	60,212	218,163	-72.4%	8,703,927	6,553,567	32.8%	422,716	799,224	-47.1%	34,426,369	27,098,425	27.0%
Energy	43,334	187,642	-76.9%	44,068,163	33,220,777	32.7%	195,441	928,519	-79.0%	171,492,048	140,980,900	21.6%
FX	33,070	128,746	-74.3%	15,972,586	18,158,079	-12.0%	150,124	418,693	-64.1%	72,782,324	75,428,457	-3.5%
Commodities and Alternative Inve	2,359,185	2,301,552	2.5%	37,587,949	25,102,926	49.7%	7,073,148	9,583,331	-26.2%	104,880,221	88,616,978	18.4%
Foreign Exchange	0	0	0.0%	0	0	0.0%	6	0	0.0%	4	10	-60.0%
Ags	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
<b>GRAND TOTAL</b>	<b>19,601,712</b>	<b>21,029,238</b>	<b>-6.8%</b>	<b>258,881,374</b>	<b>220,092,378</b>	<b>17.6%</b>	<b>106,434,333</b>	<b>99,753,380</b>	<b>6.7%</b>	<b>1,156,216,625</b>	<b>1,015,019,810</b>	<b>13.9%</b>

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