

**CME Group Exchange ADV Report - Monthly**

October 2017

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Commodities and Alternative Investments Futures</b>								
HDD SEASONAL STRIP	0	16.67	-100.0%	0	-	0	2	-100.0%
CDD SEASONAL STRIP	0	0	-	0	-	5	8	-30.2%
CDD WEATHER	0	0	-	0	-	125	16	677.8%
HDD WEATHER EUROPEAN	0	2.38	-100.0%	0	-	2	3	-38.5%
HDD WEATHER	14	48.81	-72.1%	10	36.4%	7	9	-23.8%
HOUSING INDEX	0	0.67	-38.6%	1.1	-62.8%	1	0	40.9%
USD CRUDE PALM OIL	93	55.24	67.9%	0	-	17	12	42.9%
CAT EURO SEASONAL STRIP	0	0	-	0	-	0	1	-100.0%
MILK	1,009	1,149.57	-12.2%	1,121.9	-10.0%	1,272	1,220	4.3%
HDD EURO SEASONAL STRIP	0	2.38	-100.0%	0	-	0	1	-100.0%
CASH-SETTLED CHEESE	504	404.71	24.4%	478.25	5.3%	477	488	-2.3%
LIVE CATTLE	55,823	48,963.38	14.0%	68,220	-18.2%	65,110	51,403	26.7%
BUTTER CS	165	250.71	-34.1%	183.65	-10.0%	154	160	-3.3%
LUMBER	987	786.19	25.5%	801.5	23.1%	800	707	13.1%
DRY WHEY	49	86.67	-44.0%	62.7	-22.6%	82	59	40.0%
CLASS IV MILK	23	90.38	-74.4%	27.1	-14.6%	46	54	-14.1%
NFD MILK	316	258.67	22.0%	242.4	30.2%	243	228	6.6%
GSCI EXCESS RETURN FUT	16	81.71	-80.7%	5,465.25	-99.7%	1,532	1,208	26.8%
LEAN HOGS	43,437	36,318.57	19.6%	56,204.25	-22.7%	44,822	35,456	26.4%
FEEDER CATTLE	14,947	11,965.43	24.9%	15,965.95	-6.4%	14,375	10,217	40.7%
MLK MID	0	0	-	0	-	0	0	-
GOLDMAN SACHS	1,568	1,594.86	-1.7%	1,624.3	-3.5%	1,627	1,367	19.0%
COCOA TAS	0	1.43	-90.5%	0.1	36.4%	0	12	-96.7%
SUGAR 11	0	0.1	-100.0%	0.1	-100.0%	0	2	-89.9%
COFFEE	0	0.14	-100.0%	0	-	0	1	-76.2%
COTTON	0	0.43	-100.0%	0.05	-100.0%	0	3	-97.2%
MINI WHEAT	165	256.81	-35.6%	202.3	-18.3%	285	306	-6.7%
CORN	267,210	253,398.67	5.5%	230,317.7	16.0%	358,627	349,153	2.7%
SOYBEAN MEAL	80,990	93,703.1	-13.6%	97,008.45	-16.5%	99,594	103,516	-3.8%
SOYBEAN OIL	96,611	113,996.62	-15.3%	122,564.2	-21.2%	116,197	112,784	3.0%
ROUGH RICE	1,305	1,726.33	-24.4%	720.9	81.0%	1,100	1,221	-9.9%
DOW-UBS COMMOD INDEX	3,488	790.29	341.4%	11,493.3	-69.7%	4,151	1,535	170.5%
MINI SOYBEAN	1,240	1,691.52	-26.7%	709.7	74.7%	814	1,161	-29.9%
WHEAT	22	2,113.71	-99.0%	8.95	145.8%	571	310	84.1%
OATS	524	1,045.57	-49.9%	418.5	25.1%	664	922	-28.0%
SOYBEAN	276,145	282,701.62	-2.3%	181,447.5	52.2%	216,971	251,210	-13.6%
MINI CORN	293	557.29	-47.4%	266.25	10.1%	454	569	-20.1%
FERTILIZER PRODUCS	125	55.1	126.1%	70.75	76.0%	81	91	-10.8%
S&P GSCI ENHANCED ER SWAP	91	0	-	1,703.3	-94.6%	496	392	26.5%
Intercommodity Spread	0	0	-	0	-	0	0	-
KC WHEAT	32,919	33,890.43	-2.9%	32,220.5	2.2%	49,630	37,830	31.2%
MALAYSIAN PALM SWAP	378	639.81	-40.9%	624.4	-39.5%	455	462	-1.5%
DJ_UBS ROLL SELECT INDEX FUTU	19	7.81	138.6%	107	-82.6%	35	14	152.8%
PALM OIL	0	0	-	0	-	0	0	-
CHI WHEAT	100,037	104,793.19	-4.5%	94,574.75	5.8%	135,264	124,817	8.4%

**Commodities and Alternative Investments Options**

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HDD SEASONAL STRIP	45	642.86	-92.9%	150	-69.7%	55	88	-37.8%
CDD SEASONAL STRIP	0	0	-	0	-	13	139	-90.4%
CDD WEATHER	0	0	-	0	-	224	5	4600.0%
HDD WEATHER EUROPEAN	0	0	-	0	-	7	26	-72.7%
HDD WEATHER	0	47.62	-100.0%	0	-	6	5	25.0%
HOUSING INDEX	0	0	-	0.35	-100.0%	0	0	133.4%
LV CATL CSO	2	0.24	911.8%	32.6	-92.6%	9	1	644.1%
MILK	1,535	1,615.14	-5.0%	1,508.3	1.7%	1,671	1,416	18.0%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	12	-100.0%
CASH-SETTLED CHEESE	813	497.52	63.5%	832.4	-2.3%	429	360	19.0%
LIVE CATTLE	12,518	13,773.67	-9.1%	9,951.3	25.8%	11,734	16,814	-30.2%
BUTTER CS	127	61.67	105.9%	170.4	-25.5%	84	59	42.6%
LUMBER	80	80	0.3%	59.6	34.7%	57	49	14.6%
DRY WHEY	66	5.76	1051.0%	15.9	317.1%	25	5	451.5%
CLASS IV MILK	85	51.95	62.7%	74.05	14.2%	83	52	59.7%
NFD MILK	320	162.05	97.7%	179.1	78.8%	207	154	34.9%
LEAN HOGS	11,623	10,616.48	9.5%	14,186.35	-18.1%	10,382	8,836	17.5%
FEEDER CATTLE	1,740	1,807.43	-3.8%	1,788.1	-2.7%	1,666	1,675	-0.6%
MLK MID	4	2.05	95.4%	1.25	220.0%	3	3	5.5%
JULY-DEC WHEAT CAL SPRD	0	9.52	-100.0%	0	-	8	160	-95.2%
CORN	76,882	75,184.95	2.3%	83,089	-7.5%	101,812	97,177	4.8%
SOYBEAN MEAL	5,970	7,114.48	-16.1%	6,336.75	-5.8%	8,263	9,444	-12.5%
SOYBEAN OIL	7,215	7,643.86	-5.6%	6,680.6	8.0%	8,278	9,205	-10.1%
AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-	0	0	415.2%
DEC-JULY CORN CAL SPRD	311	186.9	66.6%	156.5	99.0%	189	96	95.9%
DEC-DEC CORN CAL SPRD	0	1.62	-100.0%	132.45	-100.0%	57	85	-32.5%
NOV-JULY SOYBEAN CAL SPRD	0	0	-	27.5	-100.0%	8	0	-
JAN-MAY SOYBEAN CAL SPRD	0	0	-	1.8	-100.0%	0	0	-
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-	0	2	-100.0%
NOV-NOV SOYBEAN CAL SPRD	2	0.52	273.2%	0	-	1	14	-94.5%
ROUGH RICE	84	59.29	42.0%	150.65	-44.1%	101	84	19.9%
WHEAT	1	5	-76.4%	0	-	7	2	306.2%
WHEAT-CORN ICSO	9	152.86	-94.1%	0	-	31	75	-58.2%
CORN NEARBY+2 CAL SPRD	0	102.76	-100.0%	2.5	-100.0%	66	156	-57.8%
SOYBN NEARBY+2 CAL SPRD	0	47.62	-100.0%	0	-	5	7	-24.3%
WHEAT NEARBY+2 CAL SPRD	116	141.05	-17.8%	100	15.9%	76	220	-65.6%
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	0	-	0	18	-100.0%
JULY-DEC CORN CAL SPRD	0	0	-	0	-	83	175	-52.7%
DEC-JULY WHEAT CAL SPRD	36	19.76	84.0%	34.95	4.0%	8	2	234.8%
JULY-NOV SOYBEAN CAL SPRD	0	74.14	-100.0%	0	-	337	298	13.3%
OATS	49	153.9	-68.2%	42.65	14.8%	59	68	-12.3%
SOYBEAN	58,299	58,484.19	-0.3%	70,173.35	-16.9%	69,733	84,728	-17.7%
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-	3	0	-
SOYBEAN CRUSH	1	4.24	-78.6%	3.75	-75.8%	3	23	-86.6%
AUG-DEC SOYBEAN MEAL CSO	0	0	-	0	-	0	0	-100.0%
Intercommodity Spread	0	0	-	0	-	3	16	-79.4%
KC WHEAT	1,249	530.95	135.2%	1,089.15	14.7%	2,238	1,466	52.6%
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	7	8	-17.0%
MAR-JULY CORN CAL SPRD	0	0	-	3.5	-100.0%	0	12	-97.1%

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<b>Commodities and Alternative Investments Options</b>								
CHI WHEAT	21,726	21,983	-1.2%	21,745.3	-0.1%	31,436	28,409	10.7%
<b>FX Futures</b>								
TURKISH LIRA	15	0.43	3399.8%	239.7	-93.7%	89	0	109794.6%
JAPANESE YEN	155,699	111,578.9	39.5%	230,512.2	-32.5%	166,641	140,703	18.4%
KOREAN WON	2	0	-	2.4	-33.7%	1	1	87.4%
CD/JY CROSS RATES	0	0	-	25.1	-100.0%	7	0	13440.5%
CANADIAN DOLLAR	70,870	71,764.67	-1.2%	107,163.25	-33.9%	76,480	74,619	2.5%
AD/NE CROSS RATES	6	0.43	1278.7%	1.95	203.0%	5	3	44.7%
BRITISH POUND	116,861	129,278.86	-9.6%	170,334.15	-31.4%	119,721	113,998	5.0%
RUSSIAN RUBLE	1,075	1,048.76	2.5%	3,891.45	-72.4%	2,398	1,743	37.6%
SWISS FRANC	25,069	21,638.67	15.9%	38,644.2	-35.1%	27,311	22,567	21.0%
NEW ZEALND DOLLAR	26,675	22,596.62	18.0%	34,945.7	-23.7%	25,122	22,920	9.6%
BP/JY CROSS RATES	148	55.81	164.7%	253.1	-41.6%	151	89	70.1%
SHEKEL	9	0	-	1.05	774.5%	2	0	-
E-MICRO USD/CAD	0	0	-	0	-	0	0	-100.0%
E-MICRO GBP/USD	2,506	6,590.9	-62.0%	3,086.85	-18.8%	2,746	4,005	-31.4%
E-MICRO USD/CHF	0	0	-	0	-	0	0	-100.0%
E-MICRO EUR/USD	10,494	10,032	4.6%	13,988	-25.0%	12,105	13,070	-7.4%
E-MICRO USD/JPY	0	0	-	0	-	0	0	-100.0%
E-MICRO AUD/USD	3,715	4,791.71	-22.5%	4,941.6	-24.8%	4,109	4,870	-15.6%
AUSTRALIAN DOLLAR	102,298	88,794.33	15.2%	130,230.7	-21.4%	95,750	101,185	-5.4%
E-MINI JAPANESE YEN	471	878.95	-46.5%	895.45	-47.5%	1,422	1,553	-8.4%
EFX/JY CROSS RATES	2,453	1,171.57	109.3%	5,811.9	-57.8%	3,324	2,038	63.1%
RMB USD	0	2.33	-92.2%	2.3	-92.1%	2	16	-90.4%
EFX/BP CROSS RATES	2,823	3,469.43	-18.6%	8,635.1	-67.3%	3,791	3,817	-0.7%
EFX/SF CROSS RATES	1,059	2,324.14	-54.4%	2,836.75	-62.7%	1,830	1,852	-1.2%
INDIAN RUPEE	2,429	504.86	381.1%	2,870.55	-15.4%	1,705	574	197.2%
EC/SEK CROSS RATES	40	5.14	684.8%	117.15	-65.5%	36	12	191.9%
S.AFRICAN RAND	2,096	1,017.1	106.1%	4,337.55	-51.7%	2,677	850	214.8%
MEXICAN PESO	53,209	52,029.19	2.3%	77,344.15	-31.2%	50,860	55,098	-7.7%
EURO FX	213,851	159,856.14	33.8%	296,484.05	-27.9%	220,953	189,194	16.8%
SF/JY CROSS RATES	0	0	-	0	-	0	0	-
EC/CD CROSS RATES	188	82.24	129.0%	454.05	-58.5%	219	121	81.2%
EC/NOK CROSS RATES	33	0	-	26.05	26.3%	10	0	23542.9%
EC/AD CROSS RATES	95	29.19	225.0%	201.9	-53.0%	156	84	87.2%
BP/SF CROSS RATES	2	3.1	-41.3%	4.25	-57.2%	4	2	71.0%
E-MINI EURO FX	3,683	2,642.52	39.4%	6,724.15	-45.2%	4,505	3,569	26.2%
MICRO CHF/USD	50	77.43	-35.7%	51.9	-4.0%	46	89	-48.5%
POLISH ZLOTY (EC)	0	1.52	-79.1%	0.5	-36.4%	2	94	-98.0%
AD/JY CROSS RATES	118	93.62	26.0%	284	-58.5%	134	191	-29.9%
AD/CD CROSS RATES	3	0.19	1641.8%	11	-69.8%	4	0	1452.1%
POLISH ZLOTY (US)	2	100.62	-97.8%	8.35	-73.9%	16	66	-76.2%
SKR/USD CROSS RATES	70	64.76	7.7%	296.4	-76.5%	127	93	36.1%
NKR/USD CROSS RATE	63	52.81	18.9%	170.6	-63.2%	100	84	18.0%
BRAZIL REAL	6,272	4,152.29	51.1%	5,411.6	15.9%	4,547	3,975	14.4%

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<b>FX Futures</b>								
FCXRX	0	143.71	-100.0%	0	-	30	21	44.7%
CHINESE RENMINBI (CNH)	75	73	3.1%	134.4	-44.0%	74	69	6.8%
USDZAR	0	0	-	0	-	0	0	-100.0%
E-MICRO INR/USD	110	91.48	19.9%	143.15	-23.4%	122	100	22.9%
E-MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
E-MICRO JPY/USD	1,376	983.57	39.9%	1,588.15	-13.4%	1,856	1,368	35.6%
E-MICRO CAD/USD	867	1,092.67	-20.7%	1,752.5	-50.5%	977	1,008	-3.1%
<b>FX Options</b>								
AUSTRALIAN DLR (EU)	0	0	-	0	-	0	5	-99.8%
JAPANESE YEN	0	9,989.43	-100.0%	0	-	2,744	14,556	-81.1%
EURO FX (EU)	2	4	-47.7%	0.35	497.4%	2	136	-98.3%
CANADIAN DOLLAR	0	3,844.19	-100.0%	0	-	909	6,486	-86.0%
BRITISH POUND	0	11,748.19	-100.0%	0	-	2,268	9,900	-77.1%
RUSSIAN RUBLE	0	0	-	0	-	0	7	-100.0%
CANADIAN DOLLAR (EU)	0	0.71	-100.0%	0	-	1	9	-93.8%
SWISS FRANC (EU)	0	0	-	0	-	0	0	-
SWISS FRANC	0	195.71	-100.0%	0	-	27	295	-90.8%
BRITISH POUND (EU)	73	3.29	2120.4%	44.05	65.6%	20	44	-53.5%
AUSTRALIAN DOLLAR	0	4,372.43	-100.0%	0	-	1,013	6,418	-84.2%
MEXICAN PESO	627	399.71	57.0%	6	10356.1%	167	180	-7.4%
EURO FX	0	20,943.62	-100.0%	0	-	6,283	31,715	-80.2%
JAPANESE YEN (EU)	0	0	-	0	-	1	28	-96.9%
CAD/USD PQO 2pm Fix	8,384	1,618.29	418.1%	12,684.5	-33.9%	6,808	269	2430.4%
AUD/USD PQO 2pm Fix	5,745	1,187.67	383.7%	7,527.1	-23.7%	5,409	188	2781.9%
JPY/USD PQO 2pm Fix	11,818	1,763.38	570.2%	18,583	-36.4%	12,648	322	3834.0%
CHF/USD PQO 2pm Fix	553	67.52	718.4%	141.45	290.7%	165	12	1313.1%
EUR/USD PQO 2pm Fix	38,717	4,861.71	696.4%	44,218.45	-12.4%	30,269	722	4091.5%
GBP/USD PQO 2pm Fix	14,628	2,692.76	443.2%	17,897.45	-18.3%	9,945	389	2454.5%
OTC CADUSD SUB	2	0	-	0	-	0	0	-
JAPANESE YEN VOL	8	0	-	0	-	1	0	-
OTC GBPUSD SUB	10	0	-	0	-	1	0	-
OTC AUDUSD SUB	6	0	-	0	-	1	0	-
EURO FX VOL	40	0	-	0	-	4	0	-
CANADIAN DOLLAR VOL	14	0	-	0	-	1	0	-

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<b>Equity Index Futures</b>								
E-MINI RUSSELL 2000	78,053	0	-	157,327.05	-50.4%	25,972	0	-
E-MINI RUSSELL 1000	246	6.24	3844.2%	918.25	-73.2%	174	20	781.2%
DJ US REAL ESTATE	1,067	664.29	60.6%	3,240.25	-67.1%	1,343	861	55.9%
E-MINI NASDAQ 100	249,952	224,570.38	11.3%	339,267.6	-26.3%	269,292	266,081	1.2%
S&P ENERGY SECTOR	308	477.43	-35.5%	1,765.85	-82.6%	774	505	53.5%
S&P MATERIALS SECTOR	307	214.9	42.7%	933.2	-67.1%	403	285	41.3%
S&P FINANCIAL SECTOR	537	524.76	2.3%	3,379.85	-84.1%	1,390	585	137.6%
S&P HEALTH CARE SECTOR	242	270.29	-10.3%	1,406.4	-82.8%	753	526	43.3%
S&P INDUSTRIAL SECTOR	287	171.38	67.5%	702.2	-59.1%	417	408	2.1%
S&P UTILITIES SECTOR	517	735.86	-29.8%	3,803.2	-86.4%	1,284	1,162	10.5%
S&P TECHNOLOGY SECTOR	229	103.14	122.2%	1,129.05	-79.7%	468	305	53.2%
S&P CONSUMER DSCRTNRY SECTC	301	319.76	-5.9%	510.75	-41.1%	354	564	-37.4%
S&P 500	2,980	4,813.38	-38.1%	9,541.4	-68.8%	5,888	8,759	-32.8%
E-MINI MIDCAP	10,419	16,030.1	-35.0%	21,583.7	-51.7%	17,106	21,499	-20.4%
NIKKEI 225 (\$) STOCK	11,156	9,215.29	21.1%	13,779.2	-19.0%	12,389	17,563	-29.5%
NIKKEI 225 (YEN) STOCK	39,674	40,562.86	-2.2%	42,881.9	-7.5%	42,606	59,179	-28.0%
IBOVESPA INDEX	57	57.33	-0.7%	9.6	493.3%	32	34	-7.5%
S&P CONSUMER STAPLES SECTOR	514	508.95	1.0%	3,068.85	-83.2%	775	1,310	-40.8%
E-MINI S&P500	1,111,107	1,549,152.67	-28.3%	1,673,645.7	-33.6%	1,463,502	1,896,575	-22.8%
S&P 500/VALUE	972	414.29	134.5%	746.9	30.1%	945	500	88.9%
S&P 500 GROWTH	1	0.57	43.2%	4.25	-80.7%	1	1	13.6%
FT-SE 100	36	26.38	37.7%	45.35	-19.9%	26	31	-14.1%
NIFTY 50	642	633.05	1.4%	911.4	-29.6%	558	496	12.5%
E-MINI RUSSELL 1000 GROWTH	224	0.76	29353.9%	482.95	-53.5%	151	13	1109.4%
E-MINI RUSSELL 1000 VALUE	551	2.33	23504.9%	1,654.6	-66.7%	314	39	712.8%
NASDAQ BIOTECH	5	0.86	430.3%	48.85	-90.7%	15	2	733.1%
E-mini FTSE 100 (USD)	27	0	-	13.3	102.7%	5	2	162.5%
E-mini FTSE China 50	84	38.05	120.1%	72.45	15.6%	71	41	73.4%
E-MINI S&P REAL ESTATE SELECT S	200	23.43	751.5%	741.05	-73.1%	290	7	3792.2%
FTSE Emerging	9	3.19	166.4%	2.05	314.6%	2	7	-68.0%
E-mini (\$5) Dow	97,465	155,905.48	-37.5%	133,605.8	-27.1%	130,046	170,194	-23.6%

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Equity Index Options</b>								
E-MINI RUSSELL 2000	563	0	-	153.15	267.4%	106	0	-
E-MINI NASDAQ 100	13,294	9,085.52	46.3%	11,537.3	15.2%	11,143	10,500	6.1%
S&P 500	12,540	6,669.05	88.0%	16,029.3	-21.8%	14,948	23,953	-37.6%
EOW4 EMINI S&P 500	49,243	44,233.19	11.3%	49,349.15	-0.2%	45,921	53,316	-13.9%
EOW2 S&P 500	9,408	5,325.95	76.6%	6,828.2	37.8%	7,943	6,146	29.2%
EOW1 EMINI S&P 500	49,207	56,419.62	-12.8%	37,079.2	32.7%	50,280	47,418	6.0%
EOW1 S&P 500	4,745	4,432.29	7.1%	3,691.65	28.5%	4,162	2,977	39.8%
E-MINI MIDCAP	0	0	-	0	-	0	0	-100.0%
EOM S&P 500	9,907	6,420.19	54.3%	10,939.9	-9.4%	8,728	8,270	5.5%
EOM EMINI S&P	89,209	64,548.33	38.2%	103,689.5	-14.0%	94,851	78,088	21.5%
EOW2 EMINI S&P 500	41,646	53,109.76	-21.6%	30,640.8	35.9%	50,150	48,564	3.3%
E-MINI S&P500	166,272	112,101.48	48.3%	229,253.6	-27.5%	196,957	231,670	-15.0%
EOW3 EMINI S&P 500	158,666	209,428.52	-24.2%	126,206.65	25.7%	162,212	95,681	69.5%
EOW3 S&P 500	21,344	20,682	3.2%	18,007.5	18.5%	17,353	11,775	47.4%
EOW1 E-MINI RUSSELL 2000 WEEKL	120	0	-	61.1	97.1%	23	0	-
EOW4 E-MINI RUSSELL 2000 WEEKL	244	0	-	106.95	127.7%	40	0	-
EOW1 E-MINI RUSSELL 2000 WEEKL	112	0	-	91.5	22.0%	24	0	-
EOW2 E-MINI RUSSELL 2000 WEEKL	194	0	-	85.2	127.7%	32	0	-
EOM E-MINI RUSSELL 2000 END OF	76	0	-	384.9	-80.2%	55	0	-
EOW3 E-MINI RUSSELL 2000 WEEKL	918	0	-	925.4	-0.8%	206	0	-
E-mini (\$5) Dow	335	253.52	32.2%	208.7	60.6%	259	513	-49.6%
<b>Interest Rate Futures</b>								
5-YR SWAP RATE	1,278	1,784.38	-28.4%	3,316.2	-61.5%	2,293	2,894	-20.7%
2-YR SWAP RATE	0	0	-	0	-	0	21	-100.0%
10-YR SWAP RATE	1,449	1,573.38	-7.9%	4,515	-67.9%	2,367	2,334	1.4%
1-MONTH EURODOLLAR	95	18.62	410.5%	144.65	-34.3%	238	51	366.3%
EURODOLLARS	2,373,360	2,017,421.62	17.6%	2,736,548	-13.3%	2,587,694	2,420,693	6.9%
7-YR SWAP	0	0	-	0	-	0	15	-100.0%
30-YR BOND	257,635	240,140.29	7.3%	272,113.4	-5.3%	285,758	270,837	5.5%
5-YR NOTE	679,294	546,872.67	24.2%	749,533.05	-9.4%	877,014	752,920	16.5%
10-YR NOTE	1,310,287	1,089,443.76	20.3%	1,387,833.3	-5.6%	1,478,396	1,339,339	10.4%
2-YR NOTE	306,790	273,020.19	12.4%	318,965.85	-3.8%	363,433	312,266	16.4%
30-YR SWAP RATE	8	41.71	-81.3%	35.1	-77.7%	49	81	-39.6%
ULTRA T-BOND	104,432	79,320.33	31.7%	112,136.2	-6.9%	126,344	107,038	18.0%
FED FUND	133,746	109,728.19	21.9%	204,634.5	-34.6%	201,258	132,664	51.7%
Ultra 10-Year Note	107,406	62,294.24	72.4%	116,104.6	-7.5%	108,564	57,275	89.5%

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Interest Rate Options</b>								
EURO MIDCURVE	976,912	377,281.71	158.9%	820,299.05	19.1%	762,425	485,279	57.1%
EURODOLLARS	533,140	453,792.57	17.5%	572,439.75	-6.9%	630,351	677,828	-7.0%
30-YR BOND	103,937	81,015.14	28.3%	135,278.7	-23.2%	110,031	83,222	32.2%
5-YR NOTE	130,954	62,107.05	110.9%	122,278.75	7.1%	122,392	92,472	32.4%
10-YR NOTE	592,572	316,476.62	87.2%	614,553.4	-3.6%	528,834	356,666	48.3%
2-YR NOTE	10,864	5,612.29	93.6%	19,368.2	-43.9%	8,292	6,985	18.7%
ULTRA T-BOND	181	673.05	-73.1%	205.9	-11.9%	146	360	-59.5%
FED FUND	46	112.38	-59.1%	135	-66.0%	80	398	-79.9%
Ultra 10-Year Note	32	296.19	-89.3%	0	-	40	178	-77.2%

### Energy Futures

CAISO SP15 EZGNHUB5 MW P	0	853.81	-100.0%	0	-	38	85	-55.7%
ERCOT NORTH ZMCPE 5MW OFFPE	0	0	-	0	-	0	0	-
RBOB GAS	100	66.48	49.9%	167.05	-40.4%	118	63	87.3%
ELEC ERCOT DLY PEAK	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPE	1,818	0	-	0	-	362	20	1673.8%
ERCOT NORTH ZMCPE 5MW PEAK	0	0	-	0	-	22	1	1904.3%
ERCOT HOUSTON Z MCPE 5MW PEA	0	0	-	0	-	18	0	-
SINGAPORE JET KERO VS. GASOIL	0	2.38	-100.0%	2.5	-100.0%	0	0	0.0%
PETRO OUTRIGHT EURO	255	586	-56.4%	224.7	13.6%	318	451	-29.5%
MONT BELVIEU LDH PROPANE OPIS	43	70.9	-40.0%	74.35	-42.8%	81	44	84.3%
MONT BELVIEU ETHANE OPIS BALM	4	20.24	-79.1%	7.5	-43.6%	13	7	83.0%
CONWAY NATURAL GASOLINE (OPI	12	0	-	3.65	227.5%	13	8	70.4%
PETROCHEMICALS	157	215.67	-27.0%	249.6	-36.9%	195	266	-26.7%
CONWAY PROPANE 5 DECIMALS S	333	504.48	-33.9%	526.95	-36.7%	421	345	22.3%
CONWAY NORMAL BUTANE (OPIS) S	28	1.19	2210.0%	33.1	-16.9%	38	12	213.1%
MONT BELVIEU NORMAL BUTANE B	35	15.38	130.2%	13.8	156.6%	34	29	17.0%
MONT BELVIEU NATURAL GASOLIN	17	1.19	1293.6%	29.95	-44.6%	14	8	62.6%
IN DELIVERY MONTH EUA	0	247.62	-100.0%	0	-	14	150	-91.0%
WTS (ARGUS) VS WTI SWAP	666	731.14	-8.9%	88.5	652.7%	253	183	38.5%
ISO NEW ENGLAND PK LMP	0	0	-	0	-	0	0	-50.0%
ELEC NYISO OFF-PEAK	0	0	-	0	-	334	0	-
ELEC MISO PEAK	0	0	-	0	-	18	0	-
TRANSCO ZONE 4 NAT GAS IN	0	0	-	0	-	2	7	-68.1%
COLUMB GULF MAINLINE NG B	0	10.19	-100.0%	0	-	5	104	-95.4%
HENRY HUB FINANCIAL LAST	77	0	-	40.75	89.7%	15	0	-
ONEOK OKLAHOMA NG BASIS	27	0	-	49.6	-45.0%	9	5	67.9%
TEXAS GAS ZONE1 NG BASIS	0	0	-	0	-	0	1	-100.0%
NYISO ZONE C 5MW D AH O P	0	0	-	0	-	0	259	-100.0%
PJM NI HUB 5MW REAL TIME	0	6,102.38	-100.0%	0	-	8,474	8,194	3.4%
NYISO ZONE J 5MW D AH O P	0	2,122.62	-100.0%	0	-	1,079	747	44.4%
NYISO ZONE J 5MW D AH PK	0	151.43	-100.0%	90.5	-100.0%	119	65	84.0%
NEPOOL W CNT MASS 5MW D A	0	0	-	0	-	0	19	-100.0%
PJM COMED 5MW D AH PK	0	0	-	0	-	22	70	-68.1%
NEPOOL SE MASS 5MW D AH O	0	0	-	0	-	0	0	-
NEPOOL CNCTCT 5MW D AH O	0	0	-	0	-	0	57	-100.0%

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<b>Energy Futures</b>								
NEPOOL CONECTIC 5MW D AH	0	0	-	0	-	0	3	-100.0%
NEPOOL NE MASS 5MW D AH P	0	0	-	38.25	-100.0%	4	3	19.5%
NYISO ZONE C 5MW D AH PK	0	0	-	0	-	1	7	-92.7%
PETRO CRCKS & SPRDS NA	1,528	1,653.57	-7.6%	1,248.85	22.4%	1,812	1,602	13.1%
SINGAPORE GASOIL	145	187.1	-22.5%	272.9	-46.9%	240	190	26.2%
PETRO OUTRIGHT NA	296	1,123.81	-73.7%	757.8	-61.0%	683	766	-10.8%
CRUDE OIL SPRDS	1,593	768.33	107.3%	537.5	196.4%	465	182	155.1%
RBOB GASOLINE BALMO CLNDR	99	11.67	747.8%	61.75	60.2%	45	33	36.5%
GASOLINE UP-DOWN BALMO SW	0	0	-	0	-	0	4	-100.0%
COLUMBIA GULF MAIN NAT G	0	0	-	0	-	0	11	-100.0%
ALGON CITY GATES NAT GAS	0	5.71	-100.0%	0	-	0	30	-100.0%
SOUTHERN NAT LA NAT GAS	0	0	-	0	-	0	3	-100.0%
TENN 800 LEG NAT GAS INDE	0	0	-	0	-	0	6	-100.0%
NATURAL GAS PHY	481,057	487,621.95	-1.3%	424,939.6	13.2%	418,498	374,307	11.8%
CRUDE OIL OUTRIGHTS	2,499	409.05	510.9%	2,028.4	23.2%	1,251	355	252.4%
ELECTRICITY OFF PEAK	0	0	-	0	-	0	112	-100.0%
ELEC FINSETTLED	0	0	-	0	-	0	6	-100.0%
PETRO CRK&SPRD EURO	250	465.1	-46.2%	320	-21.9%	360	323	11.6%
FREIGHT MARKETS	8	8.95	-15.7%	7.7	-2.0%	8	9	-19.2%
PLASTICS	5	21.52	-74.7%	60.2	-90.9%	27	16	70.1%
NYH NO 2 CRACK SPREAD CAL	51	238.33	-78.8%	57.15	-11.6%	65	96	-32.3%
TRANSCO ZONE 6 BASIS SWAP	0	77.05	-100.0%	0	-	14	58	-76.3%
NYISO A	0	0	-	0	-	0	0	-
MINY NATURAL GAS	1,113	1,584.57	-29.8%	870.3	27.8%	1,158	1,208	-4.2%
HEATING OIL PHY	174,982	151,578.1	15.4%	178,894.6	-2.2%	174,012	155,014	12.3%
DOMINION TRANSMISSION INC	4	1,386.62	-99.7%	0	-	231	1,006	-77.0%
TCO BASIS SWAP	3	116.19	-97.8%	0	-	39	157	-75.0%
PJM MONTHLY	0	0	-	0	-	1	14	-95.9%
EL PASO PERMIAN INDEX SWA	0	0	-	0	-	0	8	-100.0%
WAHA INDEX SWAP FUTURE	0	2.86	-100.0%	0	-	0	42	-100.0%
NY HARBOR HEAT OIL SWP	39	42.71	-8.7%	39.15	-0.4%	107	108	-1.2%
EASTERN RAIL DELIVERY CSX	5	51.43	-90.7%	5	-4.5%	23	61	-62.0%
HTG OIL	3	1.14	186.4%	2.5	30.9%	2	26	-93.7%
EUROPE 3.5% FUEL OIL MED	8	18.48	-58.7%	1.95	291.6%	7	17	-60.9%
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
PJM OFF-PEAK LMP SWAP FUT	0	0	-	0	-	0	1	-100.0%
AEP-DAYTON HUB OFF-PEAK M	0	0	-	0	-	0	0	-
DOMINION TRAN INC - APP I	0	125.71	-100.0%	0	-	0	95	-100.0%
TENNESSEE ZONE 0 BASIS SW	0	0	-	0	-	0	14	-100.0%
NEW YORK HUB ZONE J PEAK	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	1	0	-	0	-	0	0	-
FUELOIL SWAP:CARGOES VS.B	6	5.19	20.0%	5.5	13.2%	13	15	-12.8%
MINY HTG OIL	0	0.33	-59.1%	0.2	-31.8%	0	0	-70.5%
BRENT CALENDAR SWAP	102	47.62	113.7%	106.35	-4.3%	134	90	48.3%
EURO GASOIL 10PPM VS ICE	0	0	-	4.05	-100.0%	2	3	-37.4%
WTI-BRENT CALENDAR SWAP	1,441	381.29	277.8%	2,176.75	-33.8%	816	553	47.7%
CENTERPOINT BASIS SWAP	0	10.19	-100.0%	0	-	3	63	-95.9%
PJM NILL DA OFF-PEAK	110	426.9	-74.2%	0	-	3,275	4,210	-22.2%
PANHANDLE INDEX SWAP FUTU	0	0	-	0	-	0	17	-100.0%

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<b>Energy Futures</b>								
PJM NILL DA PEAK	11	9.1	22.9%	0	-	187	208	-9.9%
CIN HUB 5MW REAL TIME PK	10	30.48	-68.7%	22	-56.6%	122	312	-60.9%
MINY WTI CRUDE OIL	10,634	10,853.38	-2.0%	12,282.35	-13.4%	12,377	13,566	-8.8%
JAPAN C&F NAPHTHA SWAP	50	50.14	0.1%	75.6	-33.6%	72	59	23.3%
LLS (ARGUS) VS WTI SWAP	171	183.81	-6.8%	535.3	-68.0%	227	305	-25.5%
RBOB PHY	169,752	162,528.43	4.4%	206,955.4	-18.0%	203,929	182,678	11.6%
NEPOOL RHD ISLD 5MW D AH	0	0	-	0	-	0	0	-
NEPOOL NE MASS 5MW D AH O	0	0	-	702	-100.0%	67	0	-
NEPOOL NEW HAMP 5MW D AH	0	0	-	0	-	0	0	-
CIN HUB 5MW REAL TIME O P	0	190.48	-100.0%	0	-	1,890	4,733	-60.1%
LTD NAT GAS	12,097	11,784.38	2.7%	14,643.15	-17.4%	13,860	11,048	25.5%
NORTHWEST ROCKIES BASIS S	0	557.43	-100.0%	0	-	15	750	-98.0%
SINGAPORE 380CST BALMO	6	1.19	384.9%	17.3	-66.6%	10	6	58.8%
PJM BGE DA OFF-PEAK	0	0	-	0	-	0	111	-100.0%
ULSD 10PPM CIF MED VS ICE	0	0	-	0	-	0	1	-60.0%
GULF COAST JET FUEL CLNDR	0	16.29	-100.0%	0	-	4	8	-43.8%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-	0	0	-100.0%
SINGAPORE GASOIL SWAP	306	726.1	-57.9%	126.75	141.4%	419	280	49.3%
CHICAGO ULSD PL VS HO SPR	2	6.29	-67.5%	10.35	-80.2%	7	13	-45.8%
CIN HUB 5MW D AH PK	23	10.57	118.4%	148.15	-84.4%	84	99	-14.8%
PJM AD HUB 5MW REAL TIME	19	2,665.95	-99.3%	21	-9.1%	1,411	6,417	-78.0%
TC5 RAS TANURA TO YOKOHAM	0	0	-	0	-	0	0	-100.0%
Sumas Basis Swap	0	36.14	-100.0%	0	-	30	74	-60.1%
RBOB CRACK SPREAD	124	85.71	44.9%	111	11.9%	48	70	-31.3%
NGPL TEX/OK	0	40.95	-100.0%	18.4	-100.0%	39	138	-71.9%
EURO GASOIL 10 CAL SWAP	0	0	-	0	-	0	0	-100.0%
HENRY HUB INDEX SWAP FUTU	78	302.86	-74.3%	0	-	241	813	-70.4%
WTI-BRENT BULLET SWAP	0	0	-	25	-100.0%	4	0	-
NYISO J OFF-PEAK	0	0	-	0	-	0	0	-100.0%
EAST/WEST FUEL OIL SPREAD	0	2.14	-100.0%	0	-	6	2	291.0%
TENNESSEE 500 LEG BASIS S	0	0	-	0	-	2	8	-73.7%
NORTHERN NATURAL GAS DEMAR	0	83.9	-100.0%	0	-	0	19	-100.0%
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-	0	0	-
HOUSTON SHIP CHANNEL INDE	0	0	-	0	-	0	1	-100.0%
ROCKIES KERN OPAL - NW IN	0	0	-	0	-	0	5	-100.0%
APPALACHIAN COAL (PHY)	0	0	-	0	-	0	1	-100.0%
WTI CALENDAR	1,573	1,762.67	-10.7%	2,868.8	-45.2%	1,756	1,435	22.4%
CINERGY HUB PEAK MONTH	0	0	-	0	-	0	0	-
CHICAGO ULSD (PLATTS) SWA	0	0	-	0	-	0	0	-
RBOB CALENDAR SWAP	235	327.81	-28.4%	370.45	-36.6%	343	319	7.4%
AEP-DAYTON HUB MTHLY	0	0	-	0	-	0	1	-100.0%
CRUDE OIL PHY	1,137,758	1,096,161.1	3.8%	1,378,540.6	-17.5%	1,248,630	1,073,394	16.3%
N ILLINOIS HUB MTHLY	0	0	-	0	-	0	0	-
RBOB (PLATTS) CAL SWAP	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	41	58.81	-30.4%	74.25	-44.9%	39	71	-45.2%
LA CARB DIESEL (OPIS)	0	2.48	-100.0%	0	-	0	0	-100.0%
GASOIL BULLET SWAP	0	0	-	5	-100.0%	1	0	-
RBOB SPREAD (PLATTS) SWAP	0	0	-	0	-	0	0	-
EURO PROPANE CIF ARA SWA	71	78.71	-9.9%	78.1	-9.2%	60	62	-3.6%

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Energy Futures</b>								
LA CARBOB GASOLINE(OPIS)S	1	0	-	28.75	-96.0%	12	28	-58.4%
MCCLOSKEY ARA ARGV COAL	1,490	5,436.29	-72.6%	2,054.2	-27.5%	2,161	7,809	-72.3%
MCCLOSKEY RCH BAY COAL	149	598.29	-75.2%	190	-21.8%	240	809	-70.4%
MGF FUT	0	0	-	0	-	1	0	186.0%
MNC FUT	125	149.95	-16.9%	165.2	-24.6%	196	185	6.0%
DLY GAS EURO-BOB OXY	0	0	-	0	-	0	0	-100.0%
MGN1 SWAP FUT	1	3.19	-64.4%	1.25	-9.1%	5	7	-29.6%
UCM FUT	0	0.33	-100.0%	0	-	1	2	-19.2%
MJC FUT	7	2.38	176.8%	16	-58.8%	6	4	36.0%
UP DOWN GC ULSD VS NMX HO	2,315	2,492.38	-7.1%	2,770.15	-16.4%	2,260	2,523	-10.4%
HOUSTON SHIP CHANNEL BASI	0	96.95	-100.0%	0	-	18	145	-87.6%
FUEL OIL CRACK VS ICE	144	126.76	13.3%	86.45	66.2%	180	209	-13.7%
NGPL TEXOK INDEX	0	0	-	0	-	0	2	-100.0%
NATURAL GAS	5,656	7,048.19	-19.8%	5,582.4	1.3%	6,676	6,138	8.8%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-	3	0	-
N ROCKIES PIPE SWAP	0	0	-	0	-	2	0	-
SOCAL PIPE SWAP	0	0	-	0	-	0	28	-100.0%
PANHANDLE PIPE SWAP	107	0	-	0	-	15	0	-
GAS EURO-BOB OXY NWE BARGES	689	551.14	25.0%	1,057.25	-34.8%	911	670	36.0%
MONT BELVIEU NATURAL GASOLIN	441	244.71	80.1%	305.5	44.2%	229	382	-40.1%
ONTARIO POWER SWAPS	0	4.05	-100.0%	0.5	-100.0%	6	23	-76.0%
DAILY PJM	0	0	-	0	-	0	13	-100.0%
BRENT OIL LAST DAY	65,499	73,727.19	-11.2%	80,768.4	-18.9%	90,357	90,861	-0.6%
SINGAPORE GASOIL CALENDAR	16	0.29	5611.7%	4.35	275.1%	13	3	364.2%
MARS (ARGUS) VS WTI TRD M	1,056	908.38	16.2%	1,369.25	-22.9%	936	562	66.6%
MARS (ARGUS) VS WTI SWAP	142	185.9	-23.5%	213.4	-33.3%	155	194	-20.0%
SINGAPORE JET KERO BALMO	0	0	-	0	-	3	1	243.6%
WTS (ARGUS) VS WTI TRD MT	101	47.71	112.4%	25.8	292.9%	40	56	-29.0%
DUBAI CRUDE OIL BALMO	0	0	-	0	-	0	1	-100.0%
EURO 1% FUEL OIL NEW BALM	0	0.24	-100.0%	0	-	0	1	-92.0%
PREMIUM UNLD 10P FOB MED	6	2.19	190.5%	1.9	234.9%	3	13	-74.5%
GASOIL 0.1 CRG CIF NW VS	0	0	-	0	-	0	0	-100.0%
3.5% FUEL OIL CID MED SWA	2	17.1	-87.2%	1.5	45.5%	5	13	-63.6%
JET FUEL CRG CIF NEW VS I	0	0	-	0	-	0	0	106.6%
ARGUS PROPAN FAR EST INDE	146	84.9	71.4%	163.75	-11.1%	117	74	57.6%
ULSD 10PPM CIF VS ICE GAS	0	0	-	0	-	0	0	-100.0%
SINGAPORE NAPHTHA BALMO	0	0	-	0	-	0	0	-100.0%
NYISO ZONE G 5MW D AH PK	0	80.71	-100.0%	111.75	-100.0%	262	159	64.9%
GASOIL 0.1 BRGS FOB VS IC	0	0	-	0	-	0	0	-100.0%
NYMEX ULSD VS NYMEX HO	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	7	43.57	-84.4%	30	-77.3%	80	75	7.0%
GULF COAST ULSD CRACK SPR	0	34.52	-100.0%	0	-	18	33	-43.8%
USGC UNL 87 CRACK SPREAD	0	0	-	0	-	0	1	-100.0%
JET FUEL BRG FOB RDM VS I	0	0	-	0	-	0	0	150.5%
TENNESSEE 800 LEG NG BASI	0	0	-	0	-	0	7	-100.0%
NEPOOL W CNTR M 5MW D AH	0	0	-	0	-	0	8	-100.0%
DATED TO FRONTLINE BRENT	23	121.43	-81.3%	100	-77.3%	67	72	-6.7%
PJM APS ZONE DA PEAK	0	0	-	0	-	0	0	-
PJM BGE DA PEAK	0	0	-	0	-	0	6	-100.0%

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<b>Energy Futures</b>								
PJM PPL DA PEAK	0	0	-	0	-	0	0	-
PJM JCPL DA PEAK	0	0	-	0	-	0	0	-
PJM PSEG DA PEAK	0	0	-	0	-	0	24	-100.0%
PJM PSEG DA OFF-PEAK	0	0	-	0	-	0	780	-100.0%
PJM WESTH RT PEAK	47	1,701.38	-97.2%	354.75	-86.7%	971	2,765	-64.9%
ALGONQUIN CITYGATES BASIS	0	25.1	-100.0%	0	-	0	39	-100.0%
MICHCON NG INDEX SWAP	0	17.14	-100.0%	0	-	0	10	-100.0%
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-	0	0	-100.0%
ICE GASOIL BALMO SWAP	0	0	-	0	-	0	0	-
ULSD 10PPM CIF MED SWAP	0	0	-	0	-	0	0	-33.3%
EUROPE 1% FUEL OIL NWE CA	1	4.86	-81.3%	0.3	203.0%	3	7	-51.3%
NEW YORK HUB ZONE G PEAK	0	0	-	0	-	0	0	-
GULF COAST NO.6 FUEL OIL	1,836	2,848.38	-35.5%	2,725.75	-32.6%	2,489	2,771	-10.2%
SINGAPORE FUEL 180CST CAL	33	61.62	-46.2%	36	-7.8%	50	54	-7.5%
SINGAPORE FUEL OIL SPREAD	12	41.95	-70.7%	21.35	-42.5%	32	29	12.8%
NORTHERN ILLINOIS OFF-PEA	0	0	-	0	-	0	0	-
PJM ATSI ELEC	0	0	-	0	-	235	30	680.9%
SING FUEL	0	0	-	1.5	-100.0%	0	0	133.2%
EURO-DENOMINATED PETRO PROD	0	0	-	7.5	-100.0%	7	1	858.2%
DATED BRENT (PLATTS) DAILY SWA	0	0	-	0	-	7	1	600.0%
GAS EURO-BOB OXY NWE BARGES	191	281.24	-31.9%	203.9	-6.1%	313	327	-4.4%
MINY RBOB GAS	0	0.14	27.2%	0.2	-9.1%	0	0	-4.4%
RBOB UP-DOWN CALENDAR SWA	0	0	-	0	-	0	44	-100.0%
LA JET FUEL VS NYM NO 2 H	0	0.48	-100.0%	0	-	0	4	-96.9%
ANR OKLAHOMA	0	42.19	-100.0%	0	-	0	21	-100.0%
MICHIGAN BASIS	0	114.86	-100.0%	0	-	12	118	-89.5%
TEXAS EASTERN ZONE M-3 BA	0	327.86	-100.0%	0	-	41	381	-89.3%
NORTHERN NATURAL GAS VENTU	0	64	-100.0%	0	-	0	42	-99.0%
CIG BASIS	0	152.95	-100.0%	0	-	3	372	-99.1%
PJM DAILY	0	0	-	0	-	0	6	-100.0%
COLUMBIA GULF ONSHORE	0	0	-	0	-	6	15	-57.1%
Tetco STX Basis	0	0	-	0	-	0	8	-100.0%
Transco Zone 3 Basis	0	11.43	-100.0%	0	-	1	5	-70.7%
GULF COAST GASOLINE CLNDR	0	0	-	0	-	0	6	-100.0%
CENTERPOINT EAST INDEX	0	0	-	0	-	0	4	-100.0%
GULF COAST ULSD CALENDAR	22	38.86	-42.6%	47.45	-53.0%	26	43	-38.2%
LA CARB DIESEL (OPIS) SWA	1	29.76	-96.2%	15	-92.4%	10	34	-72.2%
EURO 3.5% FUEL OIL RDAM B	11	14	-21.4%	13.95	-21.1%	20	16	25.4%
EUROPEAN NAPHTHA BALMO	9	12.29	-30.8%	13.2	-35.6%	17	8	107.5%
GASOIL MINI CALENDAR SWAP	2	11.43	-80.1%	5.45	-58.3%	6	11	-44.0%
NY ULSD (ARGUS) VS HEATING OIL	0	2.62	-100.0%	0.6	-100.0%	39	36	10.3%
PJM PECO ZONE5MW PEAK CAL MO	0	0	-	0	-	0	0	-
EUROPE 1% FUEL OIL RDAM C	0	0	-	0	-	0	1	-70.9%
SAN JUAN BASIS SWAP	0	421.38	-100.0%	0	-	11	330	-96.7%
GULF COAST JET VS NYM 2 H	1,216	1,510.86	-19.5%	2,046.5	-40.6%	2,037	1,559	30.6%
NYMEX ALUMINUM FUTURES	0	0	-	0	-	0	0	-
EURO 3.5% FUEL OIL SPREAD	0	39.33	-100.0%	4.5	-100.0%	20	28	-28.0%
GASOIL CALENDAR SWAP	0	0	-	0.15	-100.0%	1	1	-22.3%
BRENT FINANCIAL FUTURES	46	28.81	61.2%	3.9	1091.1%	201	33	518.7%

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<b>Energy Futures</b>								
ICE BRENT DUBAI SWAP	810	352.38	130.0%	436.5	85.7%	464	74	528.4%
GASOIL CRACK SPREAD CALEN	108	162.86	-33.8%	248.35	-56.6%	323	238	35.6%
EUROPEAN NAPHTHA CRACK SPR	184	365.57	-49.8%	306.8	-40.2%	323	249	29.7%
CRUDE OIL	517	215.67	139.5%	549.75	-6.0%	469	629	-25.4%
NEPOOL INTR HUB 5MW D AH	0	1,923.1	-100.0%	740.25	-100.0%	1,202	2,511	-52.1%
NEPOOL SE MASS 5MW D AH P	0	0	-	0	-	0	0	-
PJM DAYTON DA OFF-PEAK	0	0	-	0	-	1,010	130	676.3%
PJM JCPL DA OFF-PEAK	0	0	-	0	-	0	0	-
PJM WESTH RT OFF-PEAK	0	12,280	-100.0%	1,170	-100.0%	10,278	29,009	-64.6%
CHICAGO ETHANOL SWAP	5,992	4,766.62	25.7%	4,607.3	30.1%	5,418	4,794	13.0%
HENRY HUB BASIS SWAP	78	346.19	-77.5%	0	-	251	899	-72.1%
HENRY HUB SWAP	6,782	22,253.81	-69.5%	12,823.15	-47.1%	8,886	20,174	-56.0%
PREM UNL GAS 10PPM RDM FOB B	0	0	-	0	-	0	0	0.0%
PREM UNL GAS 10PPM RDM FOB S	0	0.05	-100.0%	0	-	0	1	-86.5%
MONT BELVIEU NORMAL BUTANE 5	1,573	1,796.05	-12.4%	1,277.4	23.1%	1,357	1,294	4.8%
MONT BELVIEU ETHANE 5 DECIMAL	951	3,804.52	-75.0%	896.9	6.1%	1,092	2,325	-53.0%
MONT BELVIEU LDH PROPANE 5 DE	4,901	6,310.43	-22.3%	4,763.25	2.9%	4,383	5,516	-20.5%
SINGAPORE 180CST BALMO	2	2	-13.6%	0.5	245.5%	3	3	7.7%
PJM APS ZONE DA OFF-PEAK	0	0	-	0	-	0	0	-
GRP THREE UNL GS (PLT) VS	110	165.24	-33.7%	121.25	-9.7%	48	76	-36.2%
JET BARGES VS ICE GASOIL	0	0	-	0	-	0	0	-100.0%
SINGAPORE GASOIL VS ICE	3	214.52	-98.4%	89.5	-96.2%	334	110	202.9%
NATURAL GAS PEN SWP	2,429	4,965.76	-51.1%	4,510.9	-46.2%	4,008	5,156	-22.3%
WESTERN RAIL DELIVERY PRB	8	28.57	-71.4%	0	-	11	44	-74.0%
EUROPE DATED BRENT SWAP	0	0	-	30	-100.0%	12	127	-90.4%
SINGAPORE JET KERO GASOIL	6	44.05	-87.1%	33.25	-82.9%	86	40	115.9%
TETCO M-3 INDEX	0	11.43	-100.0%	0	-	0	40	-100.0%
PJM AECO DA PEAK	0	0	-	0	-	0	0	-
GASOIL 10PPM CARGOES CIF	0	0	-	0	-	0	0	-100.0%
WAHA BASIS	0	82.38	-100.0%	0	-	29	204	-85.8%
LA JET (OPIS) SWAP	61	91.67	-33.1%	69	-11.1%	86	97	-10.8%
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-	0	0	-75.3%
GASOIL 10PPM VS ICE SWAP	0	0.24	-100.0%	6	-100.0%	3	4	-20.4%
NY H OIL PLATTS VS NYMEX	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH O P	0	1,008.33	-100.0%	2,393.25	-100.0%	3,717	1,933	92.3%
EUROPEAN GASOIL (ICE)	39	330.38	-88.1%	45.05	-12.9%	140	7,390	-98.1%
ULSD UP-DOWN BALMO SWP	444	230.71	92.5%	401.1	10.7%	222	274	-18.7%
JET FUEL UP-DOWN BALMO CL	353	376.95	-6.5%	364.95	-3.4%	344	202	70.4%
EIA FLAT TAX ONHWAY DIESE	16	26.38	-37.8%	47.65	-65.6%	36	50	-28.6%
NY 2.2% FUEL OIL (PLATTS	0	0	-	0	-	0	2	-100.0%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-	0	2	-100.0%
HEATING OIL BALMO CLNDR S	0	5.95	-100.0%	0	-	4	2	80.4%
INDIANA MISO	0	0	-	0	-	0	1	-100.0%
PETROLEUM PRODUCTS ASIA	48	88.29	-45.9%	62.3	-23.4%	89	64	39.0%
AUSTRIALIAN COKE COAL	0	10.86	-100.0%	0	-	5	19	-75.1%
PETROLEUM PRODUCTS	134	344.86	-61.2%	100.75	32.9%	133	84	58.8%
COAL SWAP	5	8.1	-38.2%	13.75	-63.6%	8	13	-42.9%
NYISO A OFF-PEAK	0	0	-	0	-	0	0	-
NYISO G OFF-PEAK	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>								
ISO NEW ENGLAND OFF-PEAK	0	0	-	0	-	0	0	-
SINGAPORE 380CST FUEL OIL	366	417.57	-12.4%	363.35	0.6%	465	357	30.3%
SINGAPORE JET KEROSENE SW	14	41.33	-65.4%	25.5	-43.9%	60	31	94.4%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-	0	26	-100.0%
TRANSCO ZONE4 BASIS SWAP	0	70.19	-100.0%	31	-100.0%	63	93	-32.0%
ANR LOUISIANA BASIS SWAP	0	0	-	0	-	0	0	-
CINERGY HUB OFF-PEAK MONT	0	0	-	0	-	0	0	-100.0%
DUBAI CRUDE OIL CALENDAR	225	95.38	135.9%	0	-	370	88	320.0%
NGPL MIDCONTINENT INDEX	0	8.57	-100.0%	0	-	0	37	-100.0%
PANHANDLE BASIS SWAP FUTU	0	388.38	-100.0%	0	-	15	411	-96.5%
SONAT BASIS SWAP FUTURE	0	0	-	0	-	0	2	-100.0%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-	0	1	-100.0%
FUEL OIL NWE CRACK VS ICE	0	0	-	0	-	0	0	-100.0%
EUROPE 3.5% FUEL OIL RDAM	231	485.14	-52.4%	201.45	14.6%	330	327	1.1%
GULF COAST 3% FUEL OIL BA	24	30.14	-19.9%	83.85	-71.2%	55	33	68.5%
NY1% VS GC SPREAD SWAP	97	125.24	-22.8%	91.5	5.6%	105	113	-7.1%
GASOIL 0.1 CIF NWE VS ISE	0	1.19	-100.0%	0	-	0	0	-100.0%
JET CIF NWE VS ICE	3	0.24	1026.3%	4.1	-34.6%	5	4	23.4%
EUROPE JET KERO NWE CALSW	0	0	-	0.15	-100.0%	1	0	176.2%
JAPAN NAPHTHA BALMO SWAP	0	0.24	90.9%	4.3	-89.4%	7	2	276.0%
ARGUS PROPAN(SAUDI ARAMCO	54	40.52	33.9%	63.6	-14.7%	49	42	17.1%
NYISO G	0	0	-	0	-	0	0	-
NYISO J	0	0	-	0	-	0	1	-100.0%
NGPL MID-CONTINENT	1	12.38	-89.0%	18.4	-92.6%	19	141	-86.3%
BRENT BALMO SWAP	0	32.48	-100.0%	5	-100.0%	3	9	-70.6%
ULSD 10PPM CIF MED BALMO	0	0	-	0	-	0	0	-100.0%
HENRY HUB SWING FUTURE	0	0	-	0	-	0	1	-100.0%
EUROPE NAPHTHA CALSWAP	103	87.95	17.5%	108.55	-4.8%	132	71	87.0%
NY HARBOR RESIDUAL FUEL 1	120	200.33	-40.1%	109.8	9.4%	120	169	-28.7%
PERMIAN BASIS SWAP	0	304.33	-100.0%	18.6	-100.0%	7	213	-96.9%
JAPAN C&F NAPHTHA CRACK S	26	19.38	31.8%	31	-17.6%	28	20	37.8%
NATURAL GAS INDEX	0	0	-	0	-	3	32	-90.2%
PETRO CRCKS & SPRDS ASIA	0	0	-	9.5	-100.0%	9	6	59.6%
NYISO CAPACITY	75	9.9	652.6%	23	224.1%	26	20	34.3%
GASOIL 0.1 ROTTERDAM BARG	0	0.24	90.9%	0.75	-39.4%	1	0	266.6%
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-	0	0	300.0%
GRP THREE ULSD(PLT)VS HEA	260	226.19	14.7%	312.9	-17.1%	201	134	50.8%
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-	0	1	-73.7%
PJM AECO DA OFF-PEAK	0	0	-	0	-	0	0	-
PJM PPL DA OFF-PEAK	0	0	-	0	-	0	0	-
PJM DAYTON DA PEAK	0	0	-	0	-	25	104	-76.1%
PREMIUM UNLEAD 10PPM FOB	0	2.9	-100.0%	0	-	1	2	-57.1%
PJM WESTH DA OFF-PEAK	0	0	-	0	-	259	3,929	-93.4%
GASOIL 0.1 RDAM BRGS VS I	1	2.86	-61.8%	0	-	1	1	45.0%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-	0	0	66.7%
PJM WESTHDA PEAK	0	0	-	0	-	41	217	-81.1%
NEPOOL RHODE IL 5MW D AH	0	0	-	0	-	0	0	-
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	10	-100.0%
ETHANOL	463	556.29	-16.8%	300.6	54.0%	614	662	-7.3%

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>Energy Futures</b>								
NYISO ZONE A 5MW D AH O P	0	0	-	0	-	156	1,140	-86.3%
CIN HUB 5MW D AH O PK	0	0	-	2,370	-100.0%	1,553	1,424	9.1%
PJM COMED 5MW D AH O PK	0	0	-	0	-	407	1,226	-66.8%
NYISO ZONE A 5MW D AH PK	0	0	-	0	-	32	17	89.3%
SOUTH STAR TEX OKLHM KNS	0	19.05	-100.0%	0	-	0	10	-100.0%
NY 3.0% FUEL OIL (PLATTS)	0	29.76	-100.0%	3.75	-100.0%	16	10	53.4%
ARGUS LLS VS. WTI (ARG) T	1,053	435.57	141.7%	1,124.05	-6.3%	499	594	-16.0%
NO 2 UP-DOWN SPREAD CALEN	0	0	-	0	-	17	12	42.8%
N ILLINOIS HUB DAILY	0	0	-	0	-	0	0	-
PROPANE NON-LDH MT. BEL (OPIS)	396	750.67	-47.2%	264.4	49.9%	327	518	-36.8%
PROPANE NON-LDH MB (OPIS) BAL	3	18.48	-84.5%	30	-90.5%	23	27	-14.1%
JET AV FUEL (P) CAR FM ICE GAS S	1	0	-	0	-	0	1	-79.1%
SINGAPORE MOGAS 92 UNLEADED	267	958.24	-72.1%	205.75	29.8%	346	392	-11.7%
NY JET FUEL (PLATTS) HEAT OIL SV	0	0	-	0	-	0	0	-
SINGAPORE MOGAS 92 UNLEADED	12	41.62	-70.9%	0	-	7	18	-59.9%
ETHANOL T2 FOB ROTT INCL DUTY	218	122.14	78.1%	169.6	28.3%	183	106	73.0%
PJM WES HUB PEAK LMP 50 M	0	0	-	0	-	0	0	-
FUEL OIL (PLATS) CAR CM	1	0.24	281.8%	0	-	0	5	-98.2%
FUEL OIL (PLATS) CAR CN	0	0	-	0	-	0	0	-100.0%
GROUP THREE ULSD (PLATTS)	0	0	-	0	-	1	1	-58.3%
MICHIGAN MISO	0	0	-	2,496.75	-100.0%	534	642	-16.8%
INDONESIAN COAL	0	0	-	0	-	0	1	-97.7%
NATURAL GAS FIXED PRICE SWAP F	0	0	-	0	-	2	0	-
NAT GAS BASIS SWAP	0	152.86	-100.0%	0	-	10	168	-93.9%
SUMAS NAT GAS PLATTS FIXED PRI	0	0	-	0	-	1	0	-
ELEC WEST POWER PEAK	0	256.67	-100.0%	0	-	7	26	-71.4%
ELEC WEST POWER OFF-PEAK	0	87.62	-100.0%	0	-	0	9	-100.0%
NY HARBOR LOW SULPUR GAS 100C	0	3.57	-100.0%	0	-	20	24	-15.1%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
MINI RBOB V. EBOB(ARGUS) NWE B	50	113.38	-55.9%	49.6	0.8%	110	68	62.9%
CANADIAN LIGHT SWEET OIL	1	53.57	-97.5%	2.25	-39.4%	35	94	-63.0%
MINI RBOB V. EBOBARG NWE BRGS	25	10.48	140.4%	50	-49.6%	27	12	131.4%
MINI GAS EUROBOB OXY NWE ARG	16	18.43	-11.0%	5.15	218.6%	22	20	6.6%
MARS BLEND CRUDE OIL	68	2.38	2763.6%	25	172.7%	67	76	-12.8%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-	7	0	-
3.5% FUEL OIL CIF BALMO S	0	3.19	-100.0%	0	-	1	1	-36.8%
FL GAS ZONE 3 NAT GAS IND	0	0	-	0	-	0	40	-100.0%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-	3	5	-31.7%
TRANSCO ZONE 6 INDEX	0	11.43	-100.0%	0	-	4	32	-87.3%
DEMARC SWING SWAP	0	0	-	0	-	0	0	-100.0%
NGPL MIDCONTINENT SWING S	0	0	-	0	-	0	3	-100.0%
DEMARC INDEX FUTURE	0	0	-	0	-	0	4	-100.0%
CAISO SP15 EZGNHUB5 PEAK	0	0	-	0	-	0	0	-
TCO NG INDEX SWAP	0	11.43	-100.0%	0	-	0	1	-100.0%
ELEC ERCOT DLY OFF PK	0	0	-	0	-	0	0	-
ERCOT DAILY 5MW PEAK	0	0	-	0	-	0	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-	3	0	-
DIESEL 10PPM BARGES FOB B	0	0	-	0	-	0	0	-
ULSD 10PPM CIF NW BALMO S	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>								
TRANSCO ZONE 3 NG INDEX S	0	0	-	0	-	30	0	-
<b>Energy Options</b>								
PETRO OUTRIGHT EURO	0	0	-	0	-	1	0	-
PETROCHEMICALS	46	33.1	37.9%	153.4	-70.3%	57	90	-37.1%
NATURAL GAS OPTION ON CALEND	83	133.33	-37.5%	20	316.4%	47	90	-48.1%
ELEC MISO PEAK	0	40	-100.0%	0	-	4	16	-76.0%
HENRY HUB FINANCIAL LAST	256	93.38	174.4%	232.75	10.1%	184	97	90.0%
NATURAL GAS PHY	124,962	111,399.57	12.2%	111,628.15	11.9%	116,797	106,517	9.7%
CRUDE OIL OUTRIGHTS	115	0	-	78	47.4%	56	11	414.0%
ELEC FINSETTLED	0	0.48	-100.0%	0	-	0	1	-100.0%
EUROPEAN JET KEROSENE NWE (P	0	0	-	0	-	0	0	-100.0%
HEATING OIL PHY	1,781	1,779.29	0.1%	1,398.6	27.4%	1,549	2,462	-37.1%
PJM MONTHLY	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	129	273.62	-52.8%	98.6	31.1%	155	274	-43.4%
BRENT CALENDAR SWAP	0	85.71	-100.0%	2.5	-100.0%	25	64	-60.2%
NATURAL GAS 3 M CSO FIN	45	9.52	377.3%	658.75	-93.1%	573	1,083	-47.1%
RBOB PHY	792	592.05	33.8%	1,647	-51.9%	1,287	1,700	-24.3%
SAN JUAN PIPE SWAP	16	25.71	-36.4%	45	-63.6%	15	43	-64.4%
NATURAL GAS 2 M CSO FIN	68	103.57	-34.2%	225	-69.7%	45	16	183.0%
SINGAPORE JET FUEL CALEND	0	22.86	-100.0%	0	-	0	2	-100.0%
WTI-BRENT BULLET SWAP	4,597	619.05	642.6%	3,257.35	41.1%	2,074	825	151.4%
CRUDE OIL APO	1,942	2,460.86	-21.1%	5,623.85	-65.5%	2,285	1,445	58.1%
WTI CRUDE OIL 1 M CSO FI	1,446	5,123.81	-71.8%	3,287.5	-56.0%	2,722	6,811	-60.0%
NATURAL GAS 6 M CSO FIN	166	71.43	132.3%	410	-59.5%	241	27	804.8%
RBOB CALENDAR SWAP	21	16	29.3%	0	-	13	31	-57.3%
CRUDE OIL PHY	133,846	152,249.14	-12.1%	137,878.45	-2.9%	177,952	178,118	-0.1%
RBOB 1MO CAL SPD OPTIONS	27	316.67	-91.4%	42.5	-35.8%	26	48	-45.2%
MCCLOSKEY ARA ARGS COAL	7	11.43	-36.4%	0	-	7	45	-84.7%
MCCLOSKEY RCH BAY COAL	0	4.76	-100.0%	0	-	0	12	-100.0%
NYISO ZONE G 5MW PEAK OPTIONS	0	0	-	0	-	94	2	4621.4%
NATURAL GAS	0	0	-	0	-	2	2	-10.0%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-	0	0	-
N ROCKIES PIPE SWAP	0	30	-100.0%	0	-	19	31	-38.4%
SOCAL PIPE SWAP	0	0	-	0	-	0	53	-100.0%
PANHANDLE PIPE SWAP	262	0	-	0	-	41	0	-
ETHANOL SWAP	352	473.24	-25.6%	413.9	-15.0%	279	322	-13.4%
SHORT TERM NATURAL GAS	529	183.33	188.6%	495.4	6.8%	406	270	50.3%
BRENT OIL LAST DAY	3,092	2,003.86	54.3%	4,943.8	-37.4%	2,082	1,162	79.3%
SINGAPORE GASOIL CALENDAR	0	0	-	0	-	0	0	-
HEATING OIL CRACK OPTIONS	0	0	-	0	-	0	0	-
EURO-DENOMINATED PETRO PROD	0	0	-	0	-	0	0	-
HEATING OIL CRK SPD AVG PRICE	0	0	-	0	-	0	1	-100.0%
HO 1 MONTH CLNDR OPTIONS	0	9.52	-100.0%	5	-100.0%	8	28	-71.2%
CRUDE OIL 1MO	4,178	11,050.67	-62.2%	11,876.5	-64.8%	8,386	12,016	-30.2%
ROTTERDAM 3.5%FUEL OIL CL	0	0	-	0	-	0	2	-100.0%
SHORT TERM	92	54.76	67.4%	288.25	-68.2%	144	130	10.8%

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<b>Energy Options</b>								
COAL SWAP	3	0	-	5	-45.5%	4	8	-53.0%
NYMEX EUROPEAN GASOIL OPT	0	0	-	0	-	0	0	-
NATURAL GAS 5 M CSO FIN	0	0	-	0	-	19	6	237.5%
NYMEX EUROPEAN GASOIL APO	0	1.43	-100.0%	0	-	0	0	-100.0%
COAL API2 INDEX	26	75.71	-65.4%	64.05	-59.1%	51	734	-93.1%
COAL API4 INDEX	0	7.14	-100.0%	0	-	0	8	-100.0%
NATURAL GAS 1 M CSO FIN	2,467	1,688.81	46.1%	1,875	31.6%	1,849	386	378.7%
ETHANOL	0	0	-	0	-	2	0	700.3%
PJM WES HUB PEAK CAL MTH	2	7.62	-70.2%	5	-54.5%	19	53	-64.2%
PJM WES HUB PEAK LMP 50MW	16	3.81	329.5%	2.2	643.8%	62	44	40.2%
GASOLINE	0	0	-	0	-	0	4	-100.0%
LLS CRUDE OIL	0	0	-	150	-100.0%	42	56	-24.6%
1 MO GASOIL CAL SWAP SPR	0	0	-	0	-	0	0	-
NG HH 3 MONTH CAL	0	0	-	0	-	0	2	-100.0%
12 MO GASOIL CAL SWAP SPR	0	0	-	20	-100.0%	3	0	-
BRENT CRUDE OIL 12 M CSO	91	0	-	0	-	10	0	-

**Metals Futures**

PALLADIUM	3,967	5,427.48	-26.9%	4,030.9	-1.6%	5,603	5,458	2.7%
NYMEX PLATINUM	15,646	14,410.52	8.6%	26,447.65	-40.8%	18,579	15,288	21.5%
NYMEX HOT ROLLED STEEL	323	277.9	16.2%	374.75	-13.8%	253	231	9.4%
URANIUM	0	28.57	-100.0%	0.85	-100.0%	21	35	-38.7%
COMEX SILVER	83,020	63,219.86	31.3%	86,520	-4.0%	90,988	70,804	28.5%
COMEX GOLD	302,977	181,668.33	66.8%	359,205.15	-15.7%	280,915	223,498	25.7%
COMEX COPPER	109,575	71,361.81	53.5%	115,476.8	-5.1%	103,361	78,855	31.1%
COMEX MINY COPPER	21	11.38	83.3%	20.05	4.1%	33	24	39.1%
COPPER	4	1.9	110.0%	5	-20.0%	8	16	-53.0%
E-MICRO GOLD	4,829	2,490.67	93.9%	6,327	-23.7%	4,505	3,912	15.2%
SILVER	227	268.1	-15.5%	280.7	-19.3%	278	398	-30.1%
FERROUS PRODUCTS	19	1.43	1236.3%	2.5	663.6%	6	4	50.2%
METALS	0	0	-	0	-	0	0	-100.0%
ALUMINUM	559	417.86	33.8%	516.3	8.3%	621	417	49.1%
GOLD	0	0	-	0	-	0	0	-
Gold Kilo	7	176.71	-96.1%	14.7	-52.7%	16	227	-93.1%
LNDN ZINC	1	1.29	-29.3%	0.5	81.8%	1	1	-49.3%
IRON ORE 62 CHINA PLATTS FUTUR	0	25.71	-100.0%	29	-100.0%	41	14	184.5%
IRON ORE 62 CHINA TSI FUTURES	48	465.57	-89.6%	227.8	-78.8%	398	757	-47.4%
COMEX E-Mini GOLD	243	328.1	-26.0%	452.45	-46.3%	383	502	-23.7%
COMEX E-Mini SILVER	21	49.19	-56.5%	20.95	2.2%	38	58	-34.2%

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<b>Metals Options</b>								
PALLADIUM	405	195.48	107.1%	196.9	105.6%	277	158	75.1%
NYMEX PLATINUM	93	176.19	-47.5%	126.65	-27.0%	128	209	-38.9%
COMEX SILVER	4,934	5,016.05	-1.6%	6,500.15	-24.1%	5,820	5,555	4.8%
COMEX GOLD	36,572	39,353.9	-7.1%	51,549.65	-29.1%	40,033	37,416	7.0%
COMEX COPPER	813	241.86	236.0%	889.35	-8.6%	356	151	135.4%
SILVER	9	36.81	-74.6%	1.15	714.2%	8	7	5.7%
GOLD	855	287.24	197.6%	747.25	14.4%	638	200	218.3%
IRON ORE 62 CHINA TSI PUT OPTIO	77	5.71	1252.3%	98	-21.2%	121	140	-13.7%
IRON ORE 62 CHINA TSI CALL OPTIC	45	36.19	24.1%	131	-65.7%	80	175	-54.3%
HOT ROLLED COIL STEEL CALL OPT	15	0	-	0	-	2	0	-
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	158	0	-	317.3	-50.1%	128	0	268707.4%
<b>Ags Futures</b>								
FERTILIZER PRODUCS	32	0	-	70	-54.5%	15	0	-
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	5,275,779	4,421,659.38	19.3%	5,905,879.85	-10.7%	6,033,409	5,398,428	11.8%
Equity Index Futures	1,608,167	2,005,447.38	-19.8%	2,417,222.95	-33.5%	1,977,347	2,447,553	-19.2%
Metals Futures	521,488	340,632.38	53.1%	599,953.05	-13.1%	506,049	400,498	26.4%
Energy Futures	2,113,159	2,117,319.57	-0.2%	2,376,931.65	-11.1%	2,264,985	2,067,948	9.5%
FX Futures	806,876	699,115.67	15.4%	1,154,859.3	-30.1%	832,165	765,712	8.7%
Commodities and Alternative Invest	980,511	993,446.95	-1.3%	924,867.05	6.0%	1,116,089	1,088,929	2.5%
Foreign Exchange Futures	158	0	-	317.3	-50.1%	128	0	268707.4%
Ags Futures	32	0	-	70	-54.5%	15	0	-
<b>TOTAL FUTURES</b>	<b>11,306,169</b>	<b>10,577,621.34</b>	<b>6.9%</b>	<b>13,380,101.15</b>	<b>-15.5%</b>	<b>12,730,187.49</b>	<b>12,169,068.87</b>	<b>4.6%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	2,348,638	1,297,367	81.0%	2,284,558.75	2.8%	2,162,591	1,703,387	27.0%
Equity Index Options	628,043	592,709.43	6.0%	645,269.65	-2.7%	665,393	618,872	7.5%
Metals Options	43,818	45,349.43	-3.4%	60,240.1	-27.3%	47,462	44,012	7.8%
Energy Options	281,458	291,055.24	-3.3%	286,831.5	-1.9%	319,640	315,150	1.4%
FX Options	80,627	63,692.62	26.6%	101,102.35	-20.3%	78,688	71,680	9.8%
Commodities and Alternative Invest	200,909	201,265.05	-0.2%	218,720.1	-8.1%	249,468	261,650	-4.7%
<b>TOTAL OPTIONS</b>	<b>3,583,493</b>	<b>2,491,438.76</b>	<b>43.8%</b>	<b>3,596,722.45</b>	<b>-0.4%</b>	<b>3,523,243.08</b>	<b>3,014,751.47</b>	<b>16.9%</b>

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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	ADV OCT 2017	ADV OCT 2016	% CHG	ADV SEP 2017	% CHG	ADV Y.T.D 2017	ADV Y.T.D 2016	% CHG
<b>TOTAL COMBINED</b>								
Commodities and Alternative Invest	1,181,420	1,194,712	-1.1%	1,143,587.15	3.3%	1,365,557	1,350,580	1.1%
FX	887,503	762,808.29	16.3%	1,255,961.65	-29.3%	910,854	837,392	8.8%
Equity Index	2,236,210	2,598,156.81	-13.9%	3,062,492.6	-27.0%	2,642,740	3,066,425	-13.8%
Interest Rate	7,624,417	5,719,026.38	33.3%	8,190,438.6	-6.9%	8,196,000	7,101,815	15.4%
Energy	2,394,617	2,408,374.81	-0.6%	2,663,763.15	-10.1%	2,584,625	2,383,098	8.5%
Metals	565,305	385,981.81	46.5%	660,193.15	-14.4%	553,511	444,510	24.5%
Foreign Exchange	158	0	-	317.3	-50.1%	128	0	268707.4%
Ags	32	0	-	70	-54.5%	15	0	-
<b>GRAND TOTAL</b>	<b>14,889,662</b>	<b>13,069,060.1</b>	<b>13.9%</b>	<b>16,976,823.6</b>	<b>-12.3%</b>	<b>16,253,430.57</b>	<b>15,183,820.34</b>	<b>7.0%</b>

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