

CME Group 3Q 2016 Earnings Conference Call

October 27, 2016

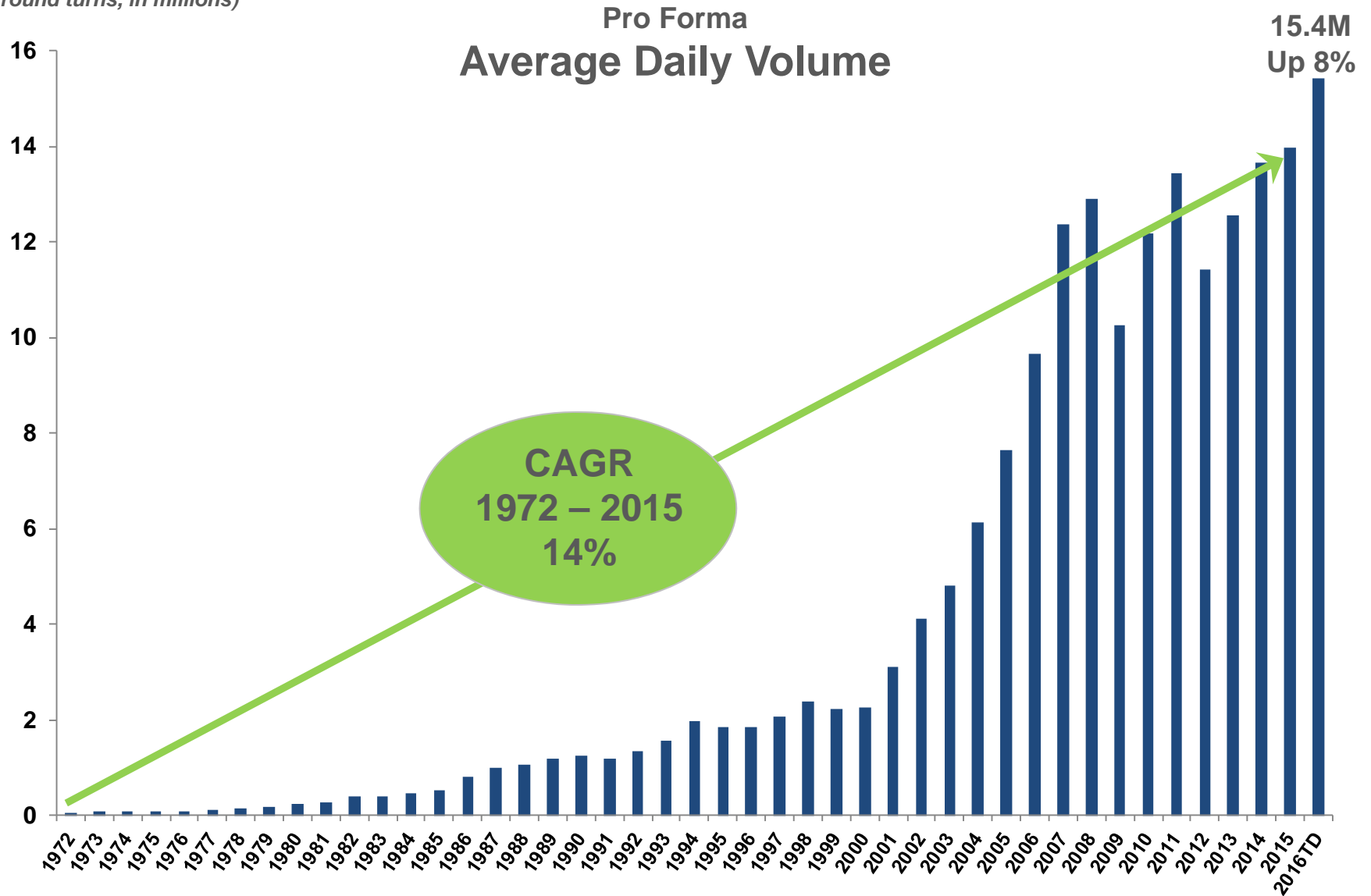
Forward Looking Statements

Statements in this presentation that are not historical facts are forward-looking statements. These statements are not guarantees of future performance and involve risks, uncertainties and assumptions that are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or implied in any forward-looking statements. We want to caution you not to place undue reliance on any forward-looking statements. We undertake no obligation to publicly update any forward-looking statements, whether as a result of new information, future events or otherwise. Among the factors that might affect our performance are increasing competition by foreign and domestic entities, including increased competition from new entrants into our markets and consolidation of existing entities; our ability to keep pace with rapid technological developments, including our ability to complete the development, implementation and maintenance of the enhanced functionality required by our customers while maintaining reliability and ensuring that such technology is not vulnerable to security risks; our ability to continue introducing competitive new products and services on a timely, cost-effective basis, including through our electronic trading capabilities, and our ability to maintain the competitiveness of our existing products and services, including our ability to provide effective services to the swaps market; our ability to adjust our fixed costs and expenses if our revenues decline; our ability to maintain existing customers, develop strategic relationships and attract new customers; our ability to expand and offer our products outside the United States; changes in domestic and non-U.S. regulations, including the impact of any changes in domestic and foreign laws or government policy with respect to our industry, such as any changes to regulations and policies that require increased financial and operational resources from us or our customers; the costs associated with protecting our intellectual property rights and our ability to operate our business without violating the intellectual property rights of others; decreases in revenue from our market data as a result of decreased demand; changes in our rate per contract due to shifts in the mix of the products traded, the trading venue and the mix of customers (whether the customer receives member or non-member fees or participates in one of our various incentive programs) and the impact of our tiered pricing structure; the ability of our financial safeguards package to adequately protect us from the credit risks of clearing members; the ability of our compliance and risk management methods to effectively monitor and manage our risks, including our ability to prevent errors and misconduct and protect our infrastructure against security breaches and misappropriation of our intellectual property assets; changes in price levels and volatility in the derivatives markets and in underlying equity, foreign exchange, interest rate and commodities markets; economic, political and market conditions, including the volatility of the capital and credit markets and the impact of economic conditions on the trading activity of our current and potential customers; our ability to accommodate increases in contract volume and order transaction traffic and to implement enhancements without failure or degradation of the performance of our trading and clearing systems; our ability to execute our growth strategy and maintain our growth effectively; our ability to manage the risks and control the costs associated with our strategy for acquisitions, investments and alliances; our ability to continue to generate funds and/or manage our indebtedness to allow us to continue to invest in our business; industry and customer consolidation; decreases in trading and clearing activity; the imposition of a transaction tax or user fee on futures and options on futures transactions and/or repeal of the 60/40 tax treatment of such transactions; and the unfavorable resolution of material legal proceedings. For a detailed discussion of these and other factors that might affect our performance, see our filings with the Securities and Exchange Commission, including our most recent periodic reports filed on Form 10-K and Form 10-Q.

NOTE: Unless otherwise noted, all references to CME Group volume, open interest and rate per contract information in the text of this document is based on pro forma results assuming the merger with CBOT Holdings and the acquisition of NYMEX Holdings were completed as of the beginning of the period presented. All data exclude CME Group's non-traditional TRAKRSSM products, for which CME Group received significantly lower clearing fees of less than one cent per contract on average. Unless otherwise noted, all year, quarter and month to date volume is through 9/30/2016.

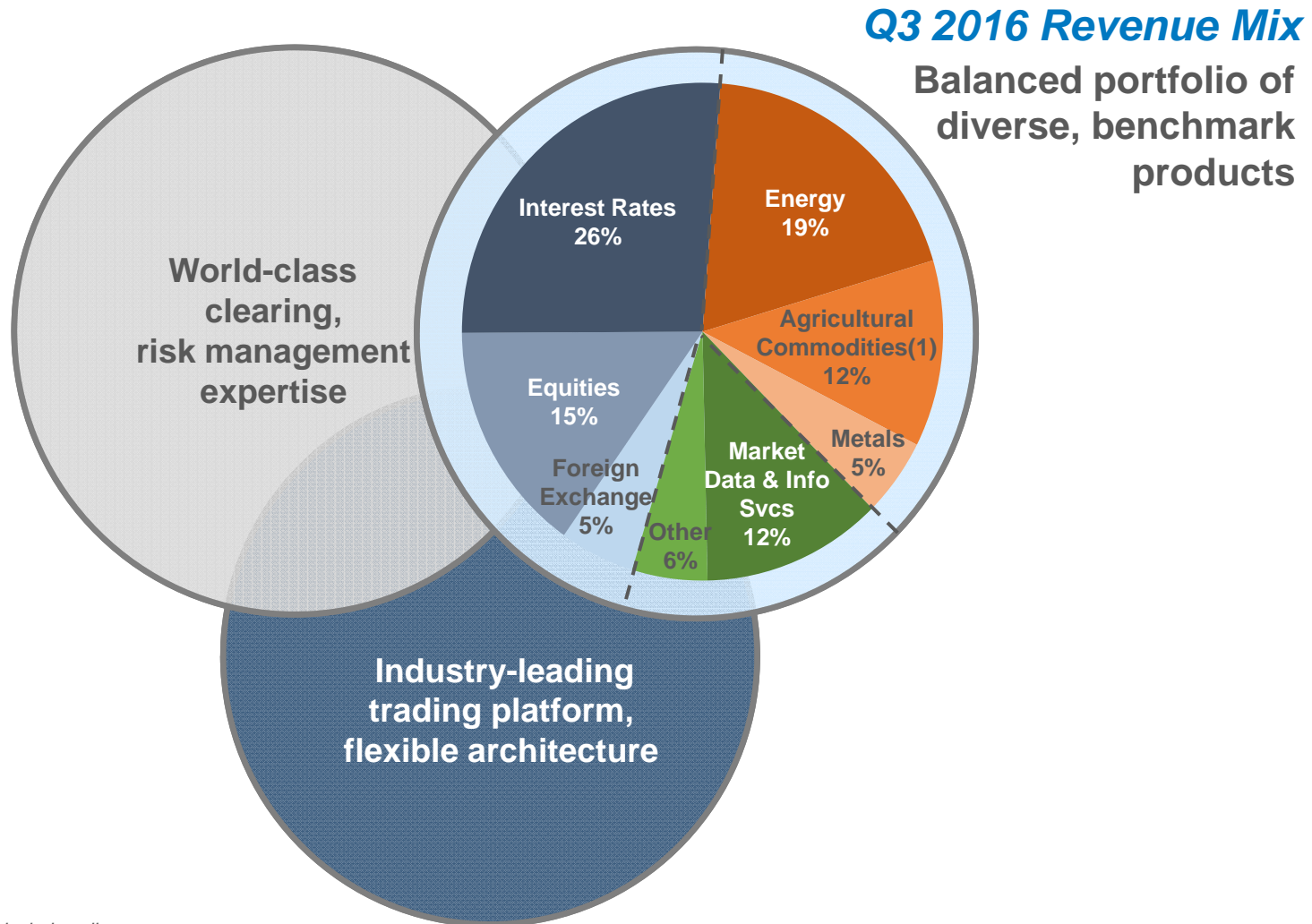
Long-Term Growth in a Variety of Environments

(round turns, in millions)



Note: Volumes are all pro forma as if CME owned NYMEX and CBOT over the illustrated period and 2016TD ADV is through 9/30/16

Unique Assets Provide Competitive Advantages



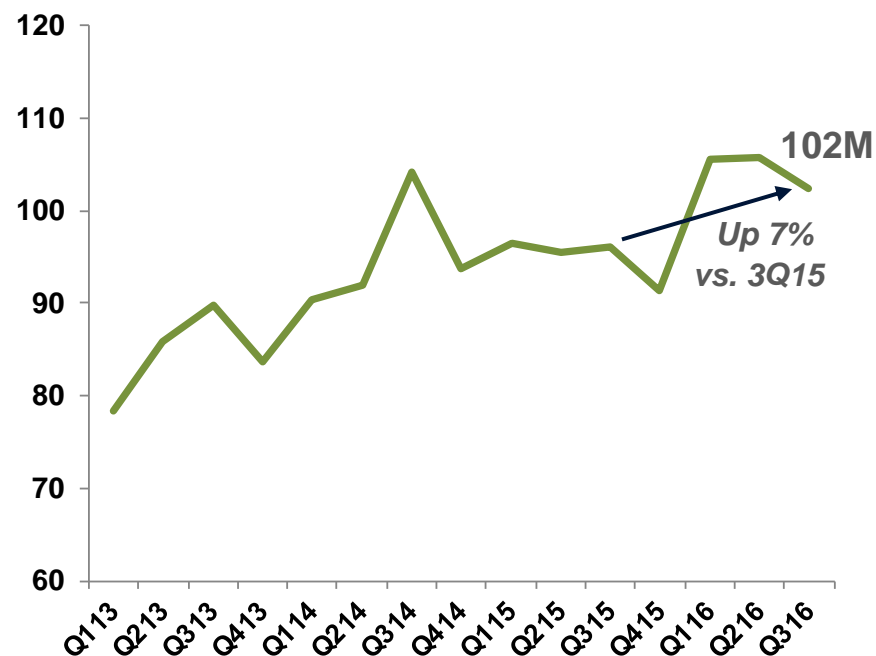
1. Agricultural commodities includes all agricultural commodities (grains, dairy, livestock, forest, NYMEX softs, indexes), weather and real estate

Solid Average Daily Volume (ADV) and Open Interest (OI) in 2016

ADV in thousands

Product Line	2016TD ADV	2016TD vs. 2015TD
Interest Rates	7,255	5%
Equities	3,123	11%
Energy	2,381	22%
Ag Commodities	1,364	6%
FX	850	(6%)
Metals	451	29%
Total	15,424	8%

OI in millions

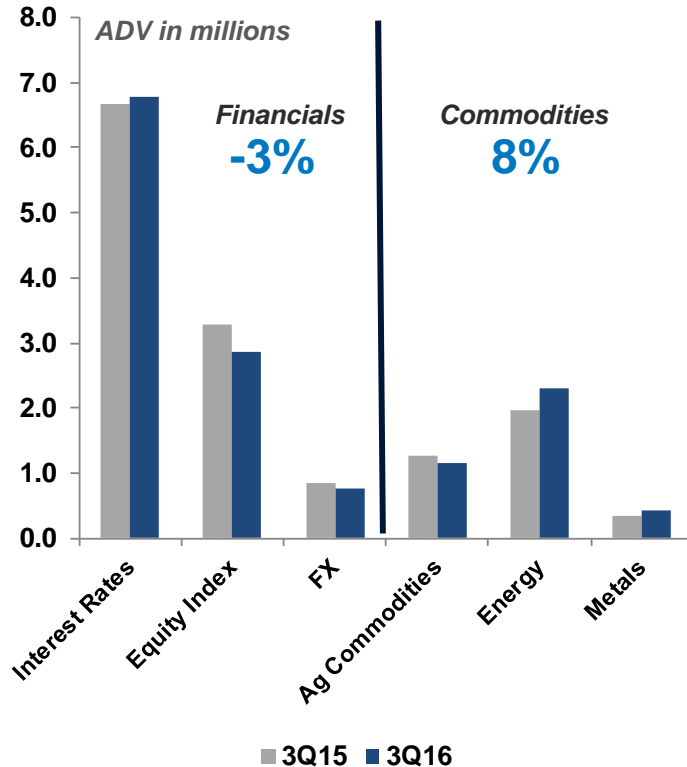


- Reached peak open interest of 116.3M contracts during 2Q16
- Open interest back over 111M contracts in mid-Sept (prior to contract expiries) during 3Q16

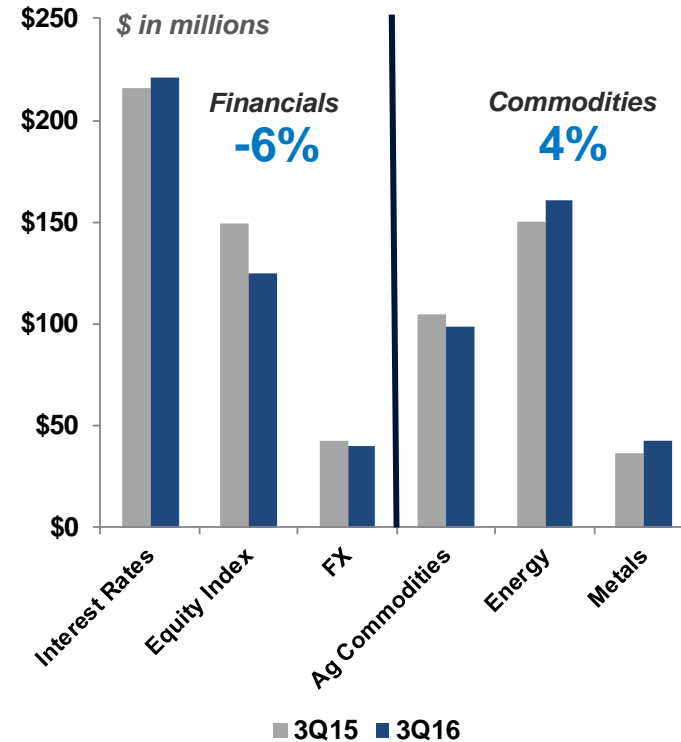
Note: 2016TD ADV through 9/30/16 compared with 2015TD ADV through same timeframe

Despite Significant Reduction in Market Volatility, Matched Best Quarter of 2015

Average Daily Volume



Transaction Fee Revenue

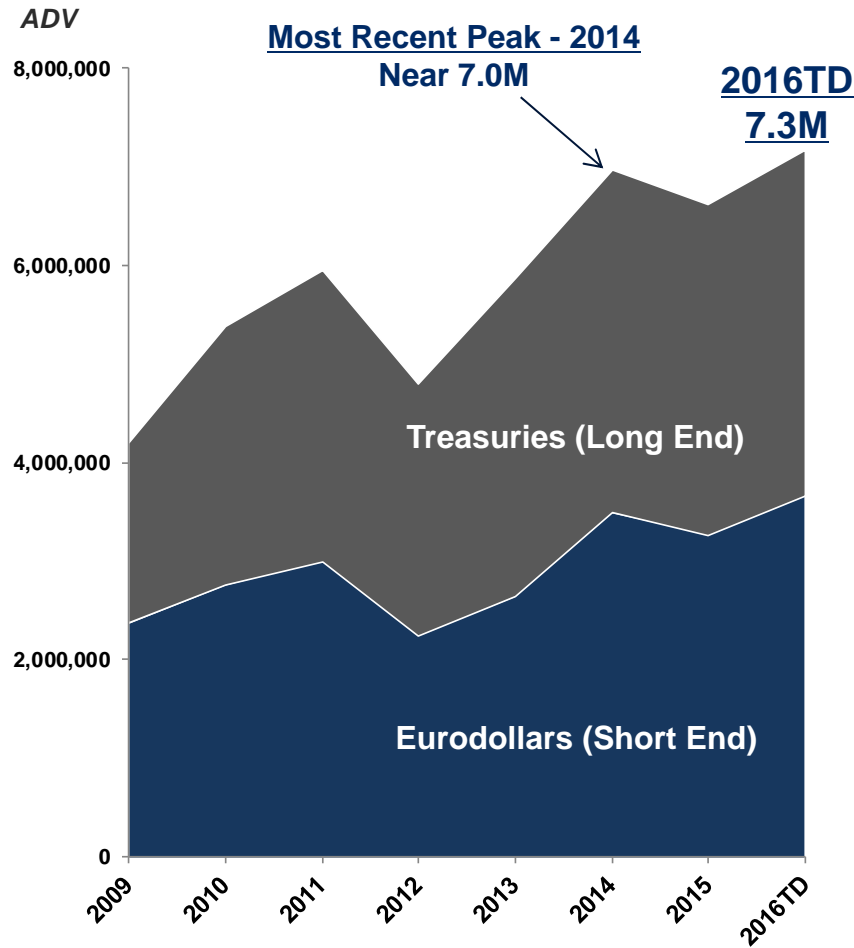


Comparison 3Q16 vs. 3Q15 – Average Historical Volatilities*

- Eurodollar (3rd month) **down 18%, while ADV up 3%**
- 10-Year Treasury Notes **down 28%, while ADV up 2%**
- WTI Crude Oil **down 12%, while ADV up 30%**
- Gold **up 4%, while ADV up 31%**

2016TD Interest Rates ADV up 5 Percent vs. 2015TD

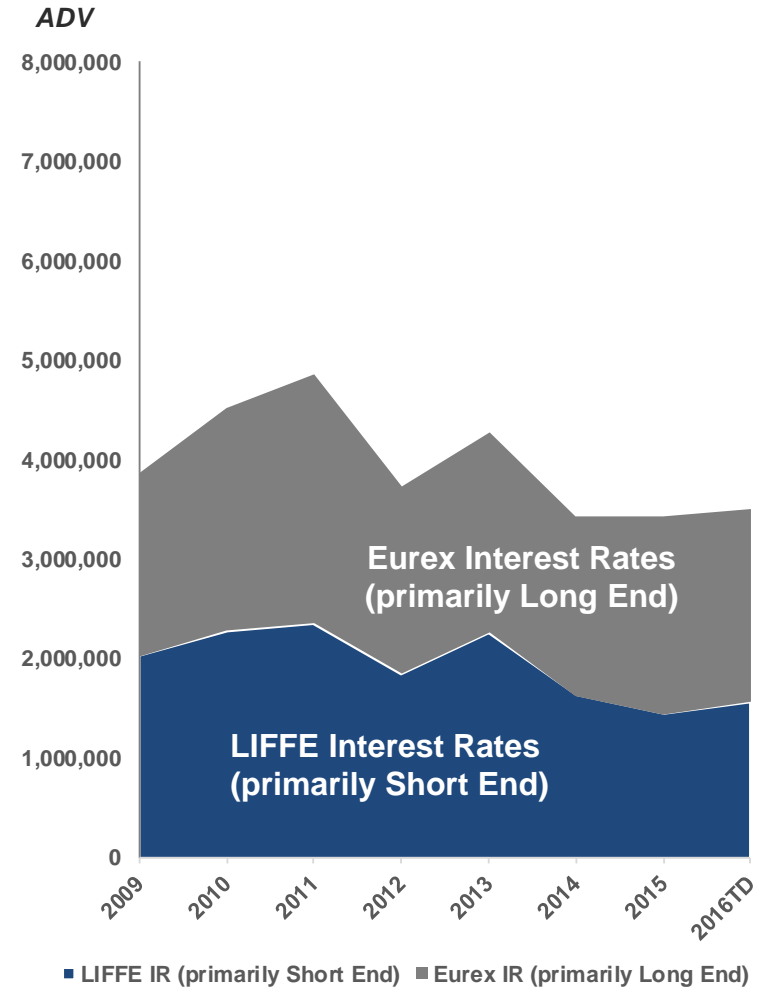
CME Group Interest Rates ADV



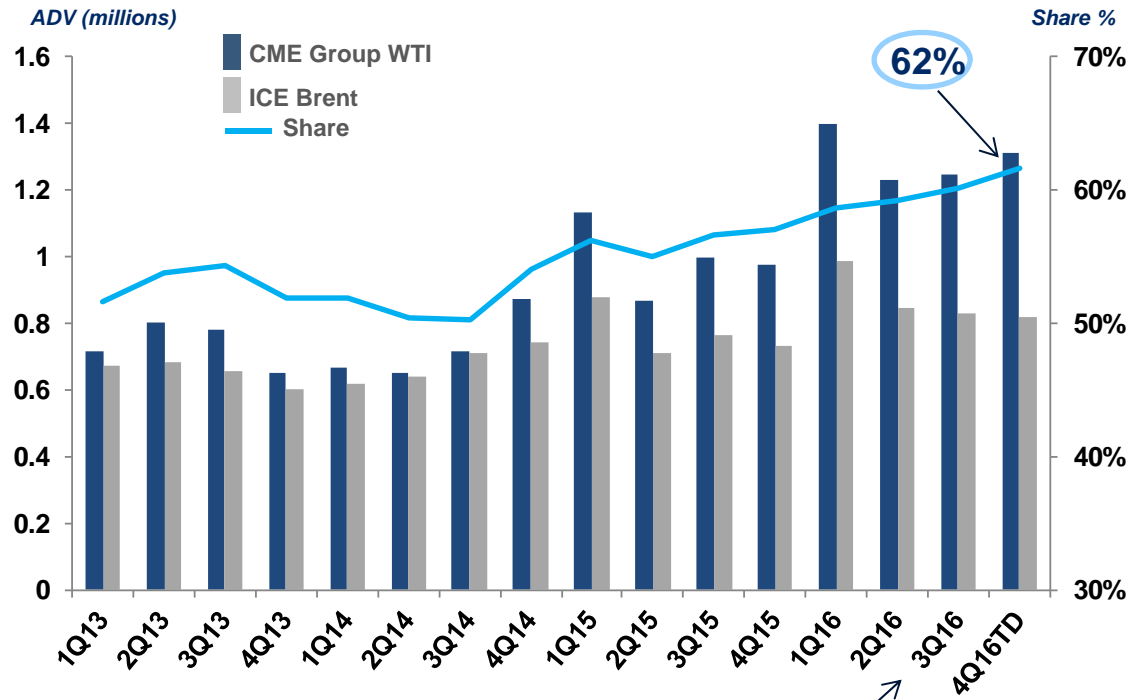
2009 – 2016TD Growth

- CME Group Eurodollars +53%
- CME Group Treasuries +90%
- LIFFE IR -23%
- Eurex IR +6%

European Interest Rates ADV (ICE/Deutsche Boerse)



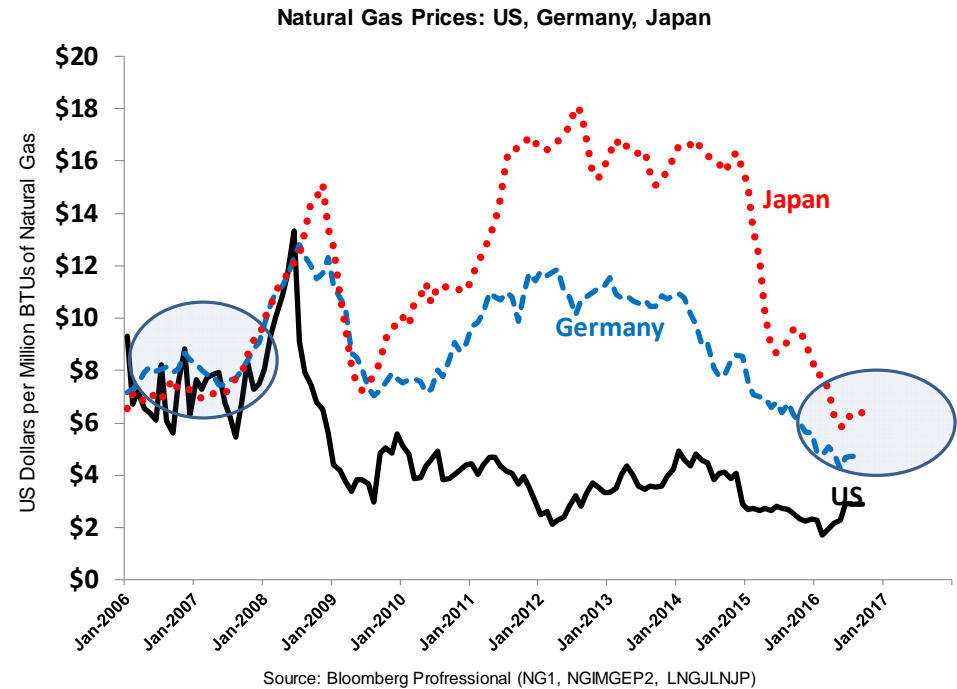
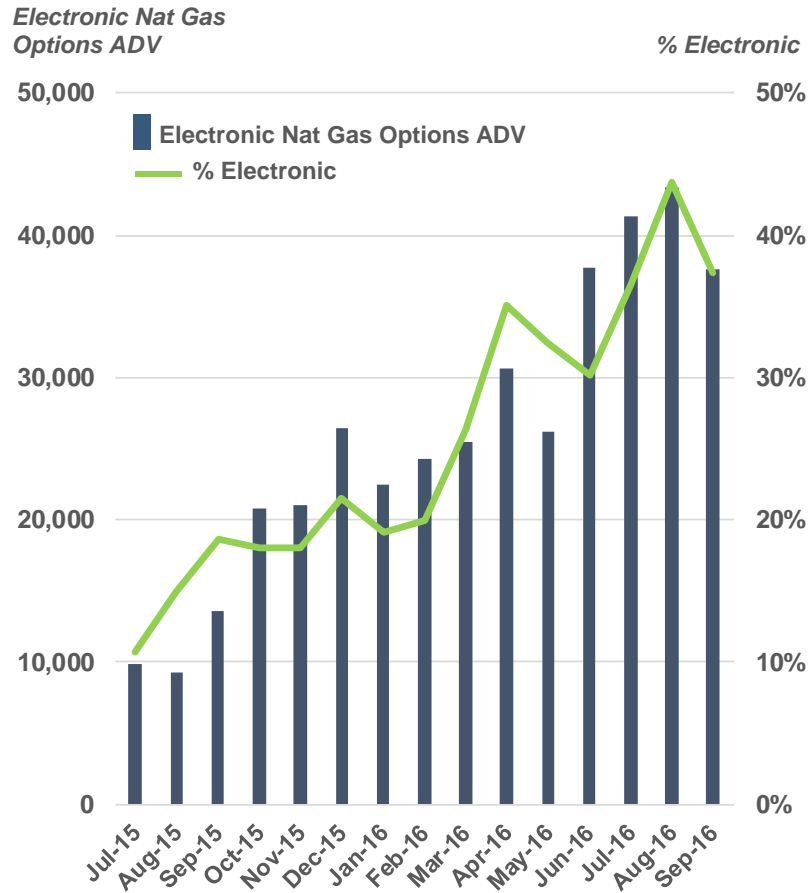
Energy – Sustained Volume Growth



- 3Q16 Energy ADV up 17 percent
- 4Q16 Energy ADV to date up 16 percent
- Sept 2016 highlights:
 - Nat Gas ADV up 31 percent
 - WTI Crude Oil futures ADV up 46 percent
 - Achieved record electronic trading levels of WTI options, hitting 80 percent electronic

- CME Group share at 58% in Apr-16, 60% in May-16, and 59% in Jun-16
- CME Group share at 57% in Jul-16, 61% in Aug-16 and 61% in Sep-16
- CME Group share at 62% in Oct-16 to date

3Q16 Strength in Natural Gas Options

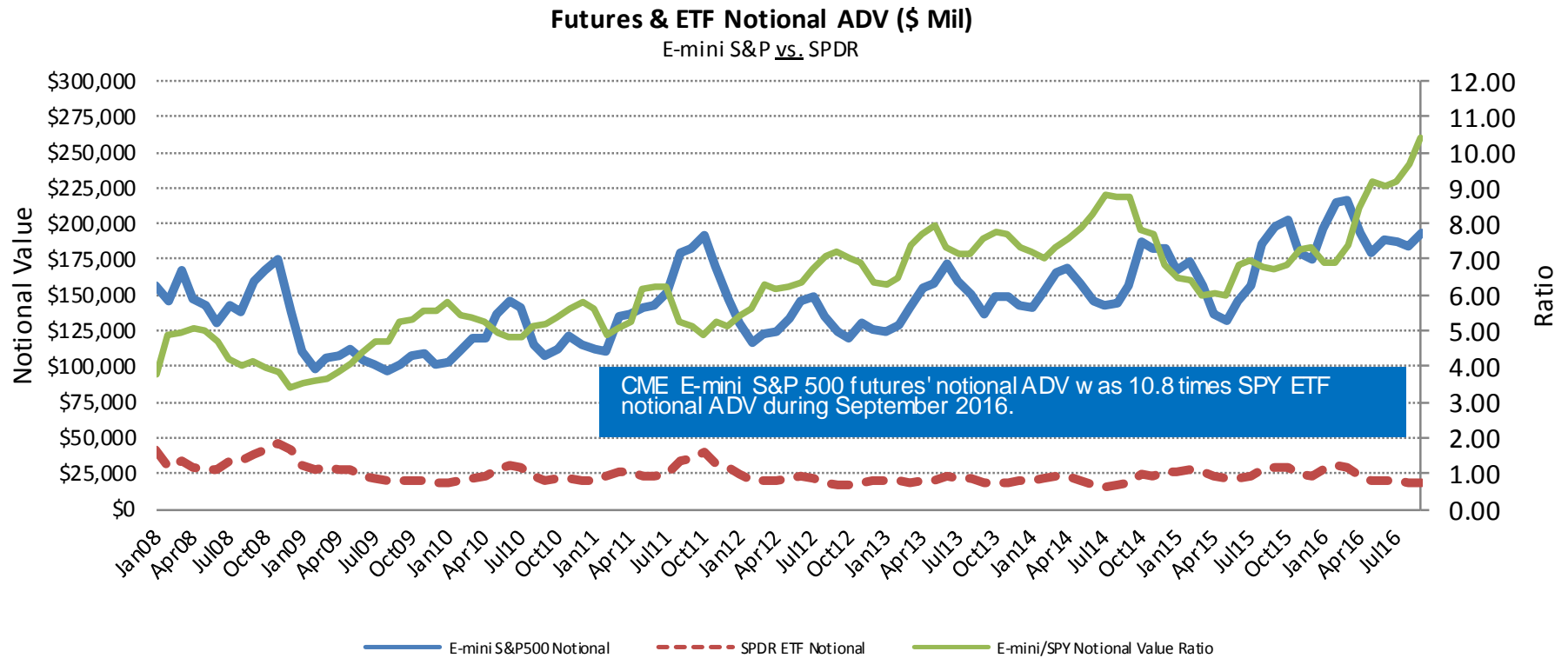


- Within Natural Gas options during the third quarter, CME Group set records for monthly ADV, a single-day volume record, as well as a record level of options trading on Globex at 44 percent for August, up from 15 percent a year ago

- Natural Gas is gaining market share in power generation, especially in America
- Regional benchmarks are reconnecting - for the first time since the early 2000s US Natural Gas can be used as a hedge for European or Asian Natural Gas, albeit with considerable yet measurable basis risk

Liquidity, Low Cost and Capital Efficiency of Futures

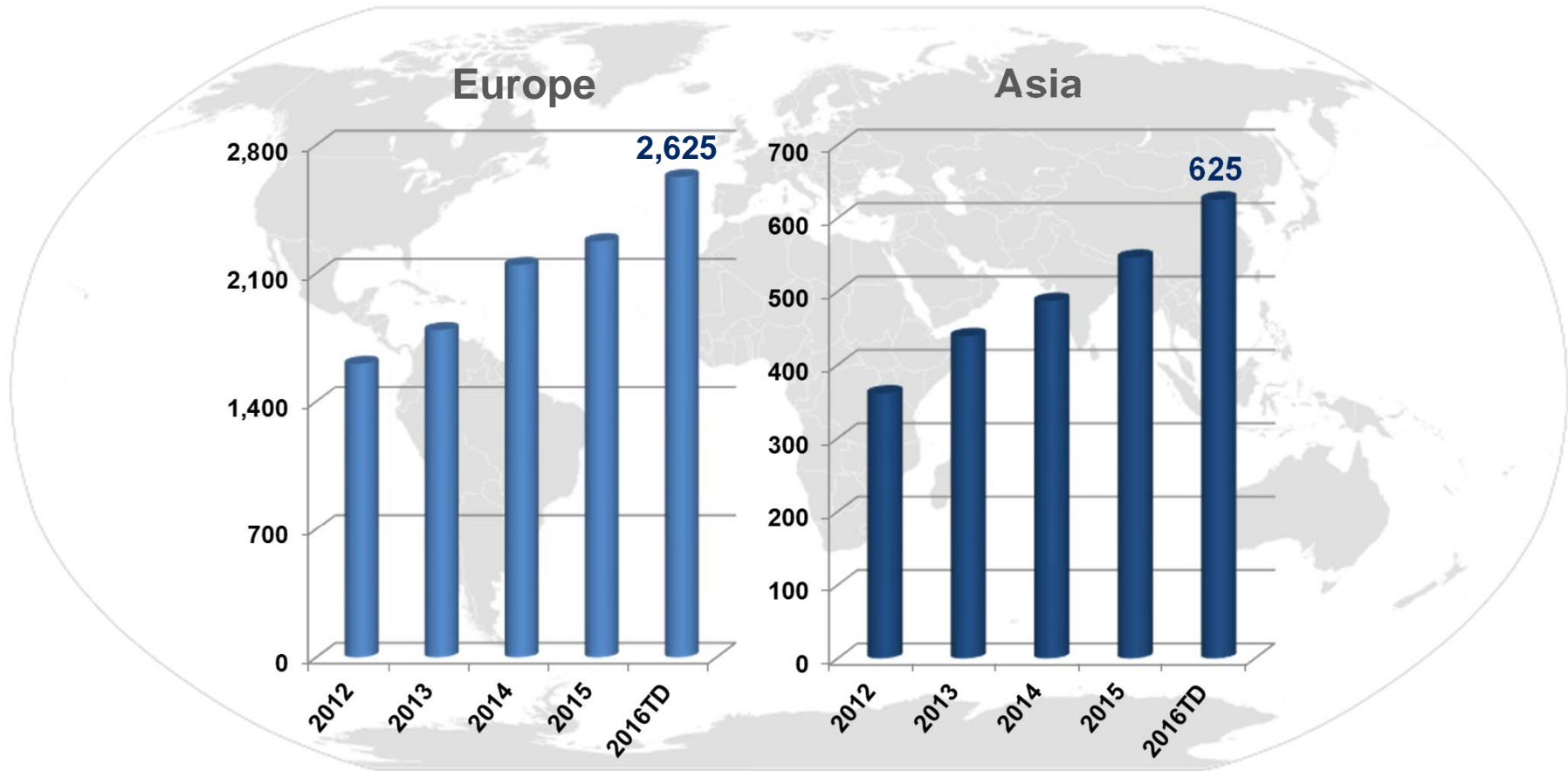
Cheaper to replicate the S&P 500 with futures than with exchange-traded funds



Note: Notional ADV represented by rolling 3-month average

Investments in Globalization Are Paying Off

Electronic ADV, in 000s



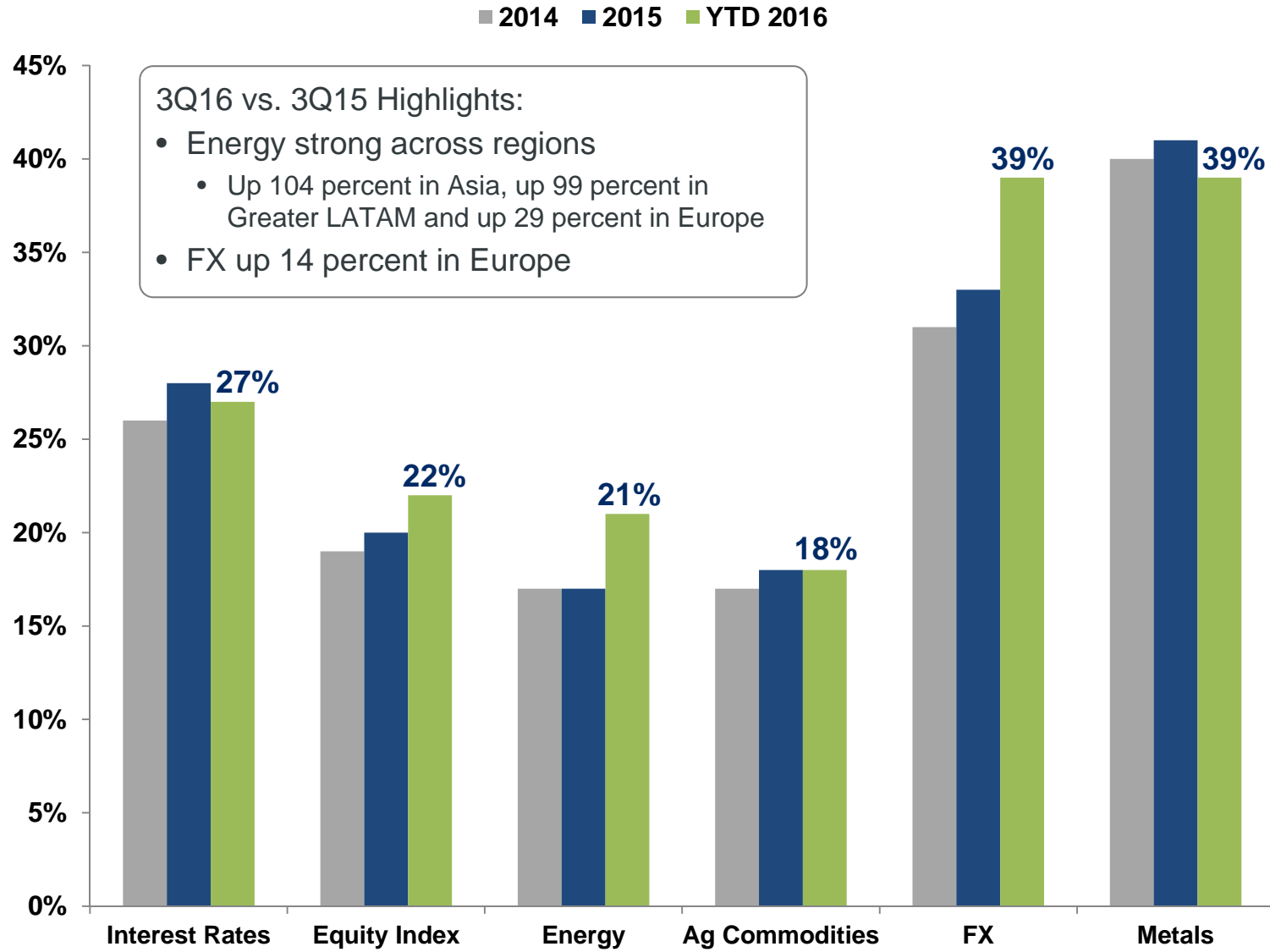
3Q16 vs. 3Q15 ➔

- ADV during European hours increased 20 percent

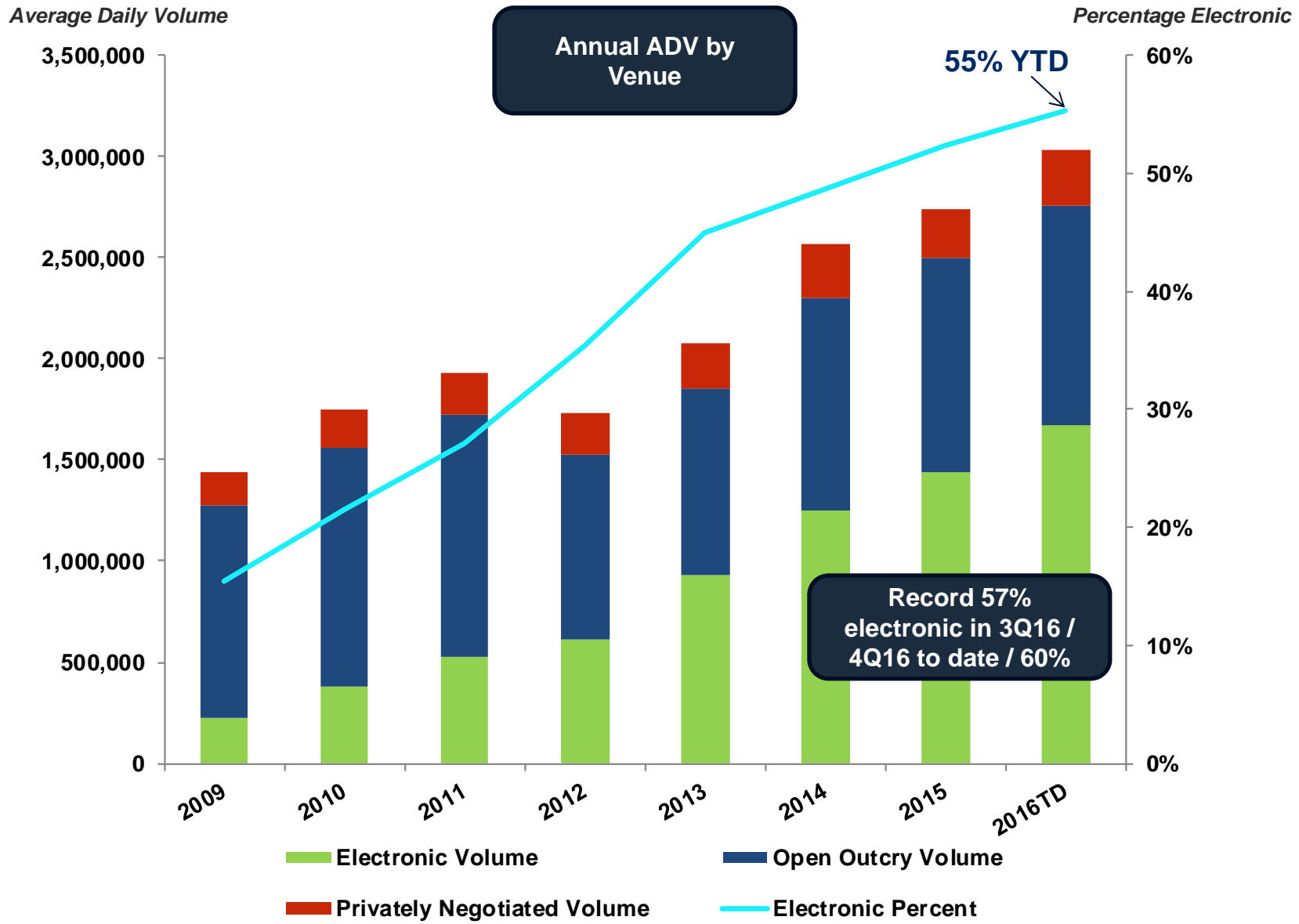
- ADV during Asian hours increased 7 percent

Investments in Globalization Are Paying Off

% of Total Electronic Average Daily Volume Outside U.S.

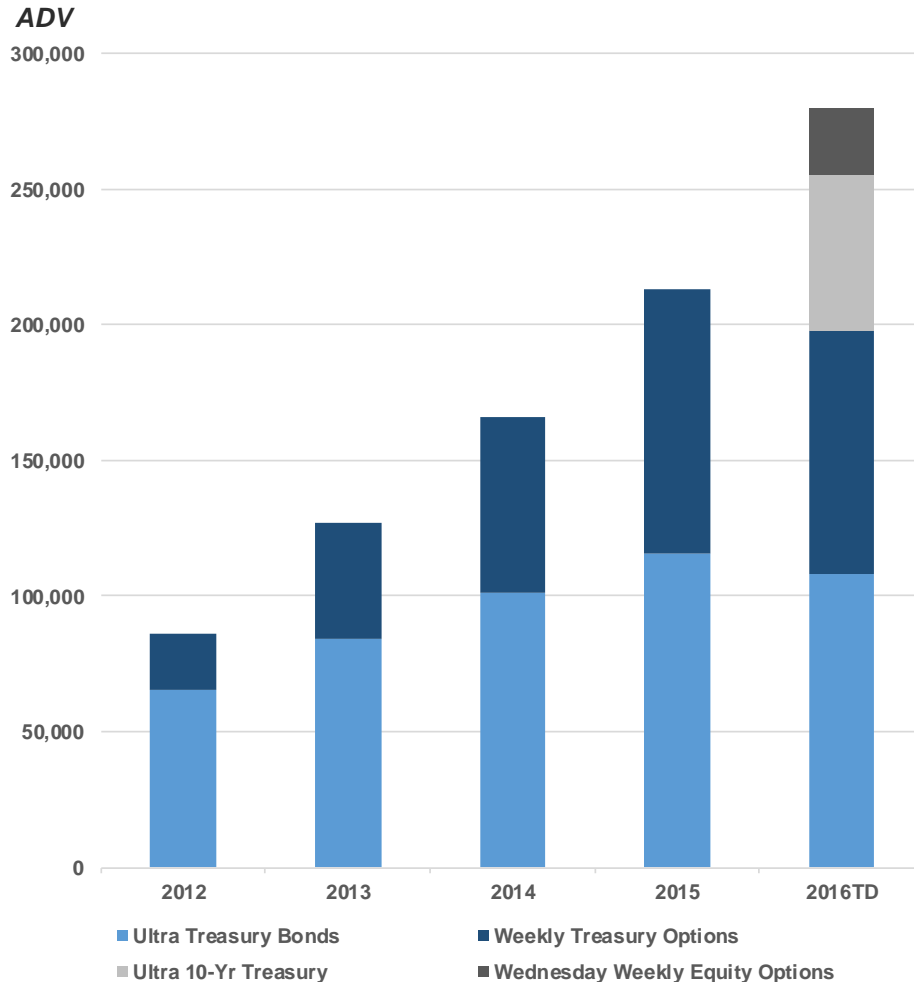


Options Business – Continued Momentum



Proven Leader in Product Innovation

CME Group Financials Primary Recent Product Innovation



Ultra 10 Highlights

- Over 11.6M contracts by 300+ global participants since January 11, 2016 launch
- Daily futures volume record 199K contracts on August 26, 2016; record open interest same day surpassing 227K contracts
- Monthly futures ADV record of 82K contracts in Aug
- Options open interest up to 17K contracts by quarter-end; trading in both U.S. and overnight hours

Addressing Changing Needs of Clients in Evolving Global Marketplace

- Swaptions
- Broadest Interest Rate Swaps Product Suite (19 currencies) / Fed Fund and Ultra 10-Year Futures added to CME Portfolio Margining
- S&P 500 Total Return Index Futures and S&P 500 Carry Adjusted Total Return Index Futures

Wednesday Weekly Equity Options

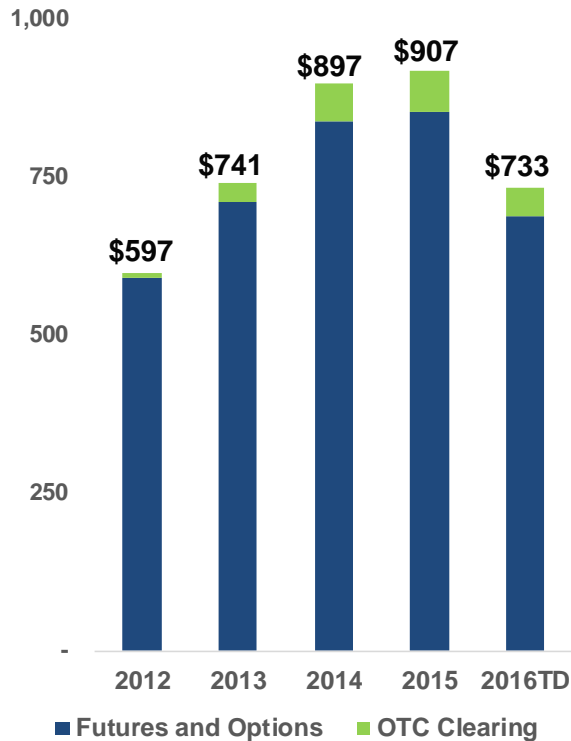
- Launched in late September; averaging 25K after just one month

Working closely with clients and accelerating product development – pipeline includes OTC FX options and non-deliverable forwards, and we continue to make progress on Repo clearing opportunity

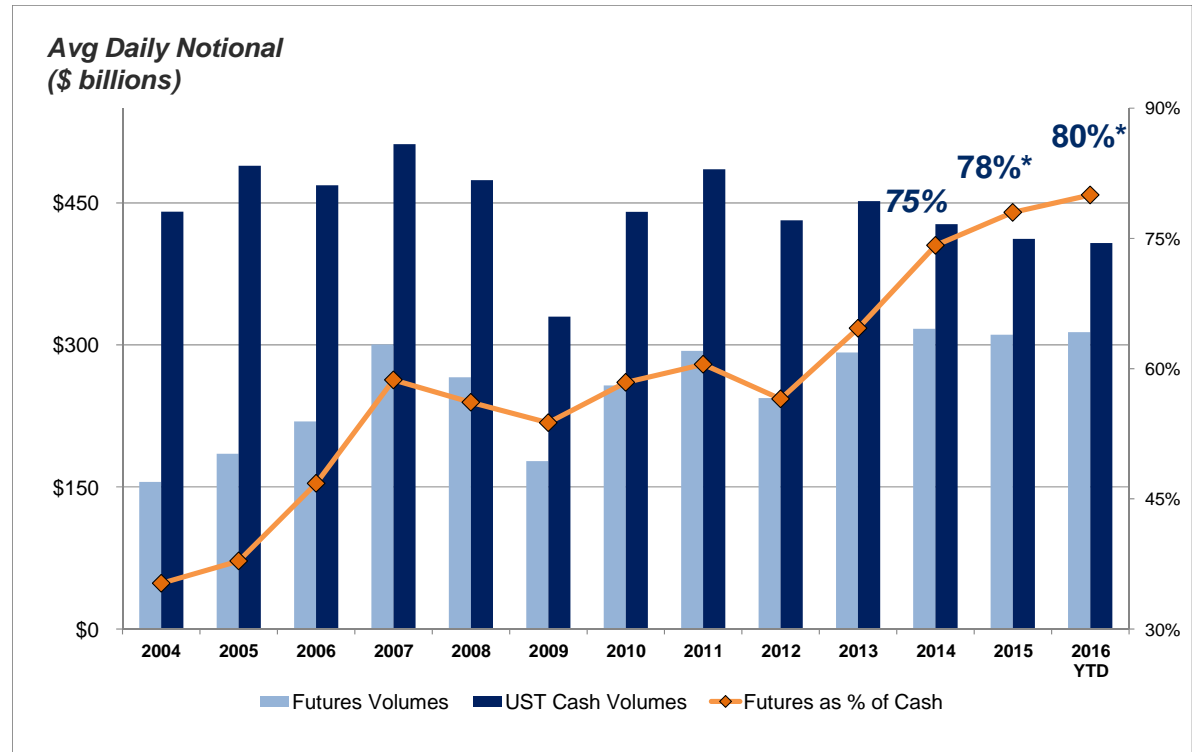
Shift from OTC to Futures

CME Group Interest Rate Annual Revenue

(\$ in millions)



CME Group Treasuries % of Aggregate US Cash Treasury Market (Federal Reserve data)



Source: Cash volumes as reported by NYFRB, includes Primary Dealer activity only
 *78% for the 2015 and 80% for 2016TD are both risk adjusted to reflect the transition in the classic T-Bond delivery basket in Feb/Mar 2015 – classic T-Bond futures contract is now tracking bonds with higher risk exposures, therefore customers can trade about 1/3 fewer contracts to get the same exposure.

- CME Group cleared OTC Swap and Treasury Futures package trades are up 35 percent from 1H2016 to 2H2016TD
- Portfolio margining of Treasury futures (now including Ultra 10-Year futures) and CME cleared swaps offer margin savings of up to 80 percent

CME Group 3Q 2016 Adjusted Financial Results¹

- Revenue of \$842M, down 1 percent
- Operating Expense of \$288M, down 1 percent *(also down 1% when removing License Fees)*
- Operating Income of \$553M, down 1 percent
- Operating Margin of 65.7 percent compared with 65.6 percent in 3Q15
- Net Income of \$358M, down 1 percent
- Diluted EPS of \$1.05, down 1 percent

CME Group Average Rate Per Contract (RPC)

<u>Product Line</u>	<u>3Q 2015</u>	<u>4Q 2015</u>	<u>1Q 2016</u>	<u>2Q 2016</u>	<u>3Q 2016</u>
Interest Rates	\$ 0.506	\$ 0.517	\$ 0.501	\$ 0.496	\$ 0.508
Equities	0.708	0.718	0.726	0.709	0.676
Foreign Exchange	0.785	0.813	0.767	0.798	0.806
Energy	1.197	1.232	1.203	1.168	1.097
Ag Commodities	1.290	1.339	1.321	1.291	1.335
Metals	1.600	1.644	1.597	1.562	1.542
Average RPC	\$ 0.759	\$ 0.789	\$ 0.756	\$ 0.782	\$ 0.750

1) A reconciliation of the non-GAAP financial results mentioned to the respective GAAP figures can be found within the Reconciliation of GAAP to Non-GAAP Measures chart at the end of the financial statements and in the appendix of this presentation.

Strong Financials – Continued Focus on Operational Efficiency

YTD represents each year through September 30

	YTD14	YTD15	YTD16
• ADV	13.3M	14.2M, up 7%	15.4M, up 8%
• Organic revenue growth	\$2.3B	\$2.5B, up 11%	\$2.7B, up 7%
• Commodity Products		Up 13%	Up 12%
• Financial Products		Up 8%	Up 5%
• Market Data		Up 13%	Up 2%
• Adjusted operating expenses*	\$814M	\$791M, down 3%	\$791M, flat
• Adjusted operating margins	61%	65%	67%
• EPS growth	\$2.57	\$3.08, up 20%	\$3.39, up 10%

Note: All figures represent adjusted financial results – please see reconciliation within financial statements for respective time periods for comparison to GAAP results, utilizing new reporting format as of 2Q16 which excludes amortization of intangible assets from adjusted results - all historical comparisons calculated in this manner (see slide #25 for individual quarters / all variances compared to same period during prior year)

Notes / Guidance

- **Adjusted Operating Expense**

- Last quarter, our adjusted operating expense guidance, excluding license fees, for the second half of 2016 was set at \$548 million. This guidance remains unchanged as we have a normal ramp in the fourth quarter for marketing events, as well as we anticipate launching a new retail advertising campaign that will likely impact us in Q4, and we are expecting higher professional fees based on some growth-oriented projects that are underway.
- The guidance translates to less than 1 percent expense growth in 2016 on this basis.

- **Investment Income**

- Received \$2.7M in dividends from BVM&FBOVESPA
- Investment returns generated through reinvestment of cash performance bonds and guaranty fund contributions during 3Q16 increased sequentially to \$7.3M from \$5.2M in 2Q16, as a result of a higher average net return compared to the prior quarter. Our net return during 3Q16 was 13 basis points.

- **Effective Tax Rate**

- 3Q16 effective tax rate was 36.6 percent, slightly above where we guided

- **Capital Expenditures**

- 3Q16 capital expenditures net of leasehold improvement allowances were \$23 million, as we continue to leverage more software and infrastructure as a service, which is included in expense
- Current full-year 2016 Capex guidance adjusted to a bit below \$100M (from \$100M - \$105M given last quarter), driven by shedding of real estate assets and the recent data center sale.

Notes / Guidance - continued

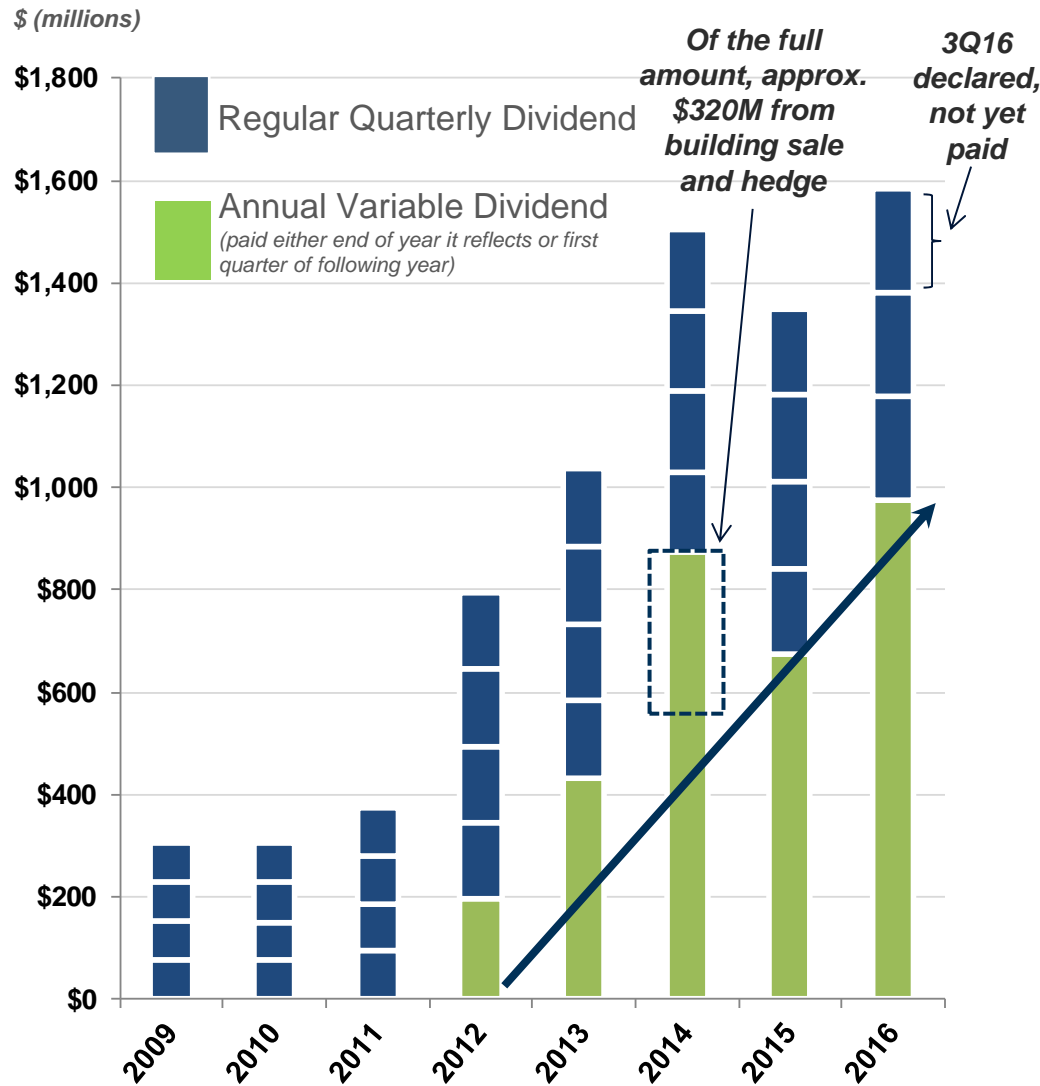
- **Equity Member Subscription Rate Program**

- We continue to work with membership as they weigh the benefits of taking advantage of the program, however the take-up so far has been relatively small.
 - Booked approximately \$170,000 in 3Q16
 - From recent conversations, we are approaching a run rate of \$3M per year of new revenue

- **Recently Announced 2017 Pricing Schedule**

- In a targeted fashion, adjustments were made to volume discount tiers, incentive plans and the base rates.
- If volume comes in exactly as it has in 2016, we would expect transaction fee revenues resulting from the change to increase by 2 percent.

Committed to Returning Cash to Shareholders



- 2016 regular dividends paid at \$0.60 per share, increased 20 percent from 2015 level
- CME Group to keep \$700M minimum cash
- Creates opportunity to sweep excess cash to shareholders annually
- Unique annual, variable structure
- Returned more than \$6 billion to shareholders in dividends since beginning of variable dividend policy in early 2012
- Dividend yield over the last 4 years of more than 5 percent

Note – Annual, variable dividend reflecting excess cash from 2011 was paid in 1Q 2012, and annual, variable dividend reflecting excess cash from 2012 (which is illustrated in 2013 on this chart), was paid early in 4Q 2012.

CME Group
3Q 2016
Earnings Conference Call - Appendix

October 27, 2016

3Q16 Reconciliation of GAAP to non-GAAP Measures

CME Group Inc. and Subsidiaries
Reconciliation of GAAP to non-GAAP Measures
(dollars in millions, except per share amounts; shares in thousands)

	Quarter Ended September 30, 2016		Nine Months Ended September 30, 2016,	
	2016	2015	2016	2015
Net Income	\$ 472.8	\$ 359.9	\$ 1,160.7	\$ 955.3
Restructuring and severance	—	13.6	—	21.0
Acquisition-related costs	—	—	—	0.9
Amortization of purchased intangibles	24.0	24.9	72.0	74.8
Loss on disposal of building assets	—	—	5.3	—
Loss and expenses related to sale-leaseback of data center	—	—	28.6	—
Real estate taxes and fees	—	—	—	10.0
Foreign exchange transaction losses (gains) ¹	1.0	7.2	16.5	6.1
Net (gains) losses on CME Venture investments	(5.2)	—	(1.4)	—
(Gains) losses on sale of BM&FBOVESPA shares	(6.4)	2.5	(6.4)	(3.4)
Debt prepayment costs	—	—	—	64.1
GFI termination fee - net of the portion paid to outside advisers	—	—	—	(22.5)
Income tax effect related to above	(3.2)	(16.9)	(37.3)	(51.4)
Other income tax items ²	(126.4)	(31.4)	(89.0)	(14.0)
Adjusted Net Income	<u>\$ 356.6</u>	<u>\$ 359.8</u>	<u>\$ 1,149.0</u>	<u>\$ 1,040.9</u>
GAAP Earnings per Common Share:				
Basic	\$ 1.40	\$ 1.07	\$ 3.44	\$ 2.84
Diluted	1.39	1.06	3.43	2.83
Adjusted Earnings per Common Share:				
Basic	\$ 1.06	\$ 1.07	\$ 3.41	\$ 3.10
Diluted	1.05	1.06	3.39	3.08
Weighted Average Number of Common Shares:				
Basic	337,592	336,323	337,299	336,015
Diluted	339,143	338,139	338,834	337,804

1. Results include foreign exchange transaction net losses principally related to cash held in British pounds within foreign entities whose functional currency is the U.S. dollar.

2. Income tax benefit recognized from historical losses in our investment in BM&FBOVESPA in the third quarter of 2016 and income tax expense related to the remeasurement of tax positions resulting from state and local income tax law changes in second-quarter 2016.

GAAP Income Statement Trend Excluding Deferred Compensation, FX, Amortization of Intangibles and Other Historically Noted Adjustments¹

CME Group Inc. and Subsidiaries

GAAP Income Statement Trend Excl Def Comp, FX, Amortization of intangibles and other historically noted adjustments¹

(in millions, except per share amounts)

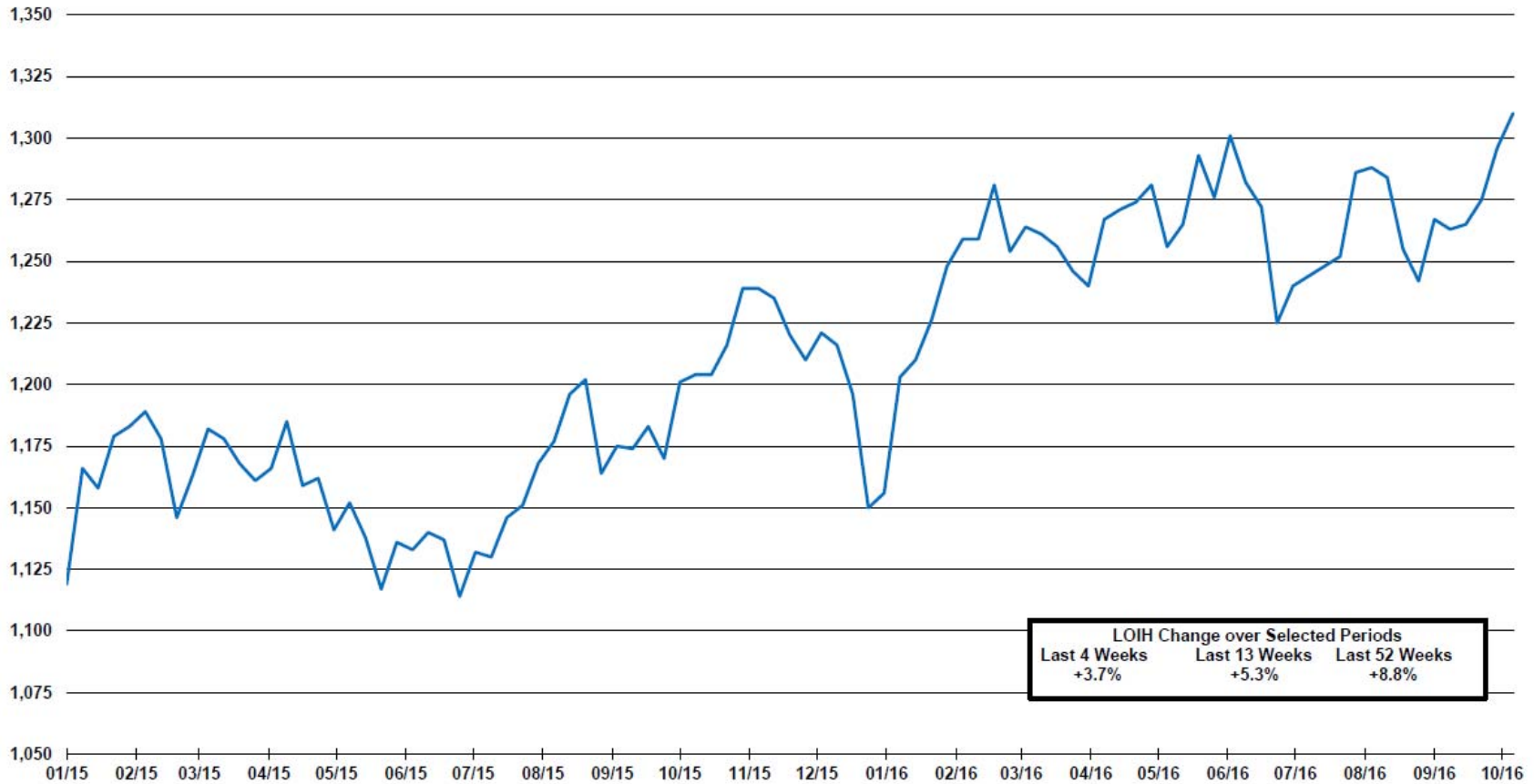
	Q114	Q214	Q314	Q414	Q115	Q215	Q315	Q415	Q116	Q216	Q316
Revenues											
Clearing and transaction fees	\$ 652.2	\$ 609.3	\$ 641.8	\$ 713.0	\$ 708.2	\$ 681.8	\$ 715.0	\$ 678.9	\$ 796.1	\$ 767.6	\$ 704.2
Market data and information services	89.4	89.6	87.7	89.6	98.0	102.8	99.5	99.1	102.4	102.9	101.1
Access and communication fees	20.4	20.4	20.8	21.1	21.3	21.5	21.6	21.7	21.6	22.3	23.8
Other	15.4	12.3	12.1	17.4	15.2	13.9	14.2	14.1	14.1	13.6	12.6
Total Revenues	777.4	731.6	762.4	841.1	842.7	820.0	850.3	813.8	934.2	906.4	841.7
Expenses											
Compensation and benefits	134.7	132.1	132.8	130.9	134.0	140.0	130.7	132.3	131.9	131.0	127.7
Communications	8.2	8.3	7.8	7.7	7.6	6.6	7.1	6.5	6.7	6.3	6.9
Technology support services	13.9	14.6	13.8	15.9	15.6	16.1	15.4	17.4	17.4	17.7	17.3
Professional fees and outside services	29.6	32.8	29.5	27.7	28.2	27.0	30.0	32.2	30.6	39.0	33.5
Amortization of purchased intangibles											
Depreciation and amortization	34.1	34.3	32.7	31.5	31.8	33.3	32.4	31.7	32.6	30.4	31.2
Occupancy and building operations	23.2	23.2	24.7	23.6	22.8	23.5	23.1	23.1	21.1	20.4	19.6
Licensing and other fee agreements	29.0	25.7	25.5	34.0	30.6	28.8	33.1	31.3	39.0	32.8	31.5
Other	27.3	31.1	25.1	44.2	21.7	23.5	20.5	37.4	23.4	25.2	20.8
Total Expenses	300.0	302.1	291.9	315.5	292.3	298.8	292.3	311.9	302.7	302.8	288.5
Total Expenses less Licensing and other fee agreements	271.0	276.4	266.4	281.5	261.7	270.0	259.2	280.6	263.7	270.0	257.0
Operating Income	477.4	429.5	470.5	525.6	550.4	521.2	558.0	501.9	631.5	603.6	553.2
Non-Operating Income (Expense)											
Investment income	2.4	13.3	8.1	8.6	3.9	12.3	9.1	13.1	17.8	20.3	22.0
Gain (losses) on derivative investments	-	-	-	-	-	-	-	-	-	-	-
Interest and other borrowing costs	(33.7)	(28.3)	(28.7)	(28.7)	(31.1)	(28.6)	(28.3)	(28.9)	(29.8)	(31.0)	(31.1)
Equity in net gains (losses) of unconsolidated subsidiaries	22.4	21.5	20.0	20.9	22.5	26.0	26.6	24.9	26.8	27.0	28.6
Other non-operating income (expense)	-	1.8	-	-	(0.8)	(1.1)	(0.8)	(0.8)	(10.0)	(10.4)	(10.5)
Total Non-Operating	(8.9)	8.3	(0.6)	0.8	(5.5)	8.6	6.6	8.3	4.8	5.9	9.0
Income Before Income Taxes	468.5	437.8	469.9	526.4	544.9	529.8	564.6	510.2	636.3	609.5	562.2
Income tax provision	175.0	163.9	173.0	191.8	199.6	194.0	204.8	183.2	231.2	222.2	205.6
Net Income	293.5	273.9	296.9	334.6	345.3	335.8	359.8	327.0	405.1	387.3	356.6
Less: net income (loss) attributable to non-controlling interests	(0.2)	-	-	-	-	-	-	-	-	-	-
Net Income Attributable to CME Group	\$ 293.7	\$ 273.9	\$ 296.9	\$ 334.6	\$ 345.3	\$ 335.8	\$ 359.8	\$ 327.0	\$ 405.1	\$ 387.3	\$ 356.6
Earnings per Diluted Common Share Attributable to CME Group	\$ 0.88	\$ 0.82	\$ 0.88	\$ 0.99	\$ 1.02	\$ 0.99	\$ 1.06	\$ 0.97	\$ 1.20	\$ 1.14	\$ 1.05
Weighted Avg. Number of Diluted Common Shares	335.64	335.80	336.17	336.63	337.42	337.80	338.14	338.25	338.55	338.71	339.14
Adjustments highlighted in above view:											
Deferred compensation gain (loss)	0.8	1.8	(0.7)	1.5	1.8	0.3	(4.1)	2.2	(0.2)	0.7	2.9
Currency fluctuation gain (loss)	3.1	5.5	(12.8)	(11.2)	(10.0)	11.1	(7.2)	(5.2)	(3.9)	(11.6)	(1.0)

1) Please refer to each individual quarter's Reconciliation of GAAP to Non-GAAP Measures for the specific adjustments made during that period.

Energy Futures – Large Open Interest Holders

CME Group Energy Futures
Aggregate Number of Large Open Interest Holders*

Source: CFTC

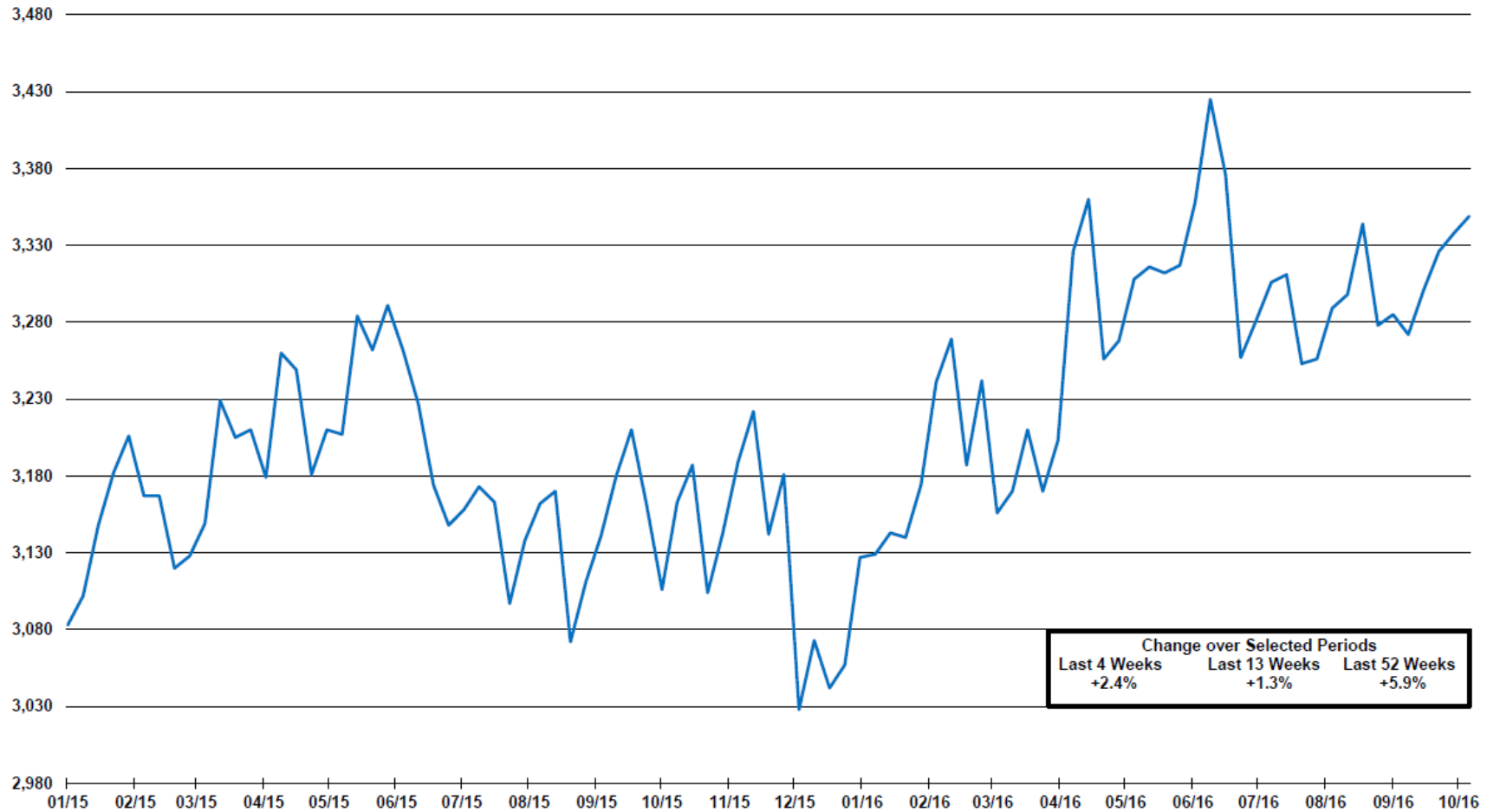


*The Aggregate number of Large Open Interest Holders is the sum of the LOIH traders for the following products: WTI (Crude Oil, Light Sweet), NG (Natural Gas), RBOB (Gasoline Blendstock), HO (#2 Heating Oil), International Coal
The Energy Product Line LOIH above is a sum of each product's LOIH and does not imply a unique number of Traders

Ag Futures – Large Open Interest Holders

CME Group Agricultural Futures
Aggregate Number of Large Open Interest Holders*

Source: CFTC

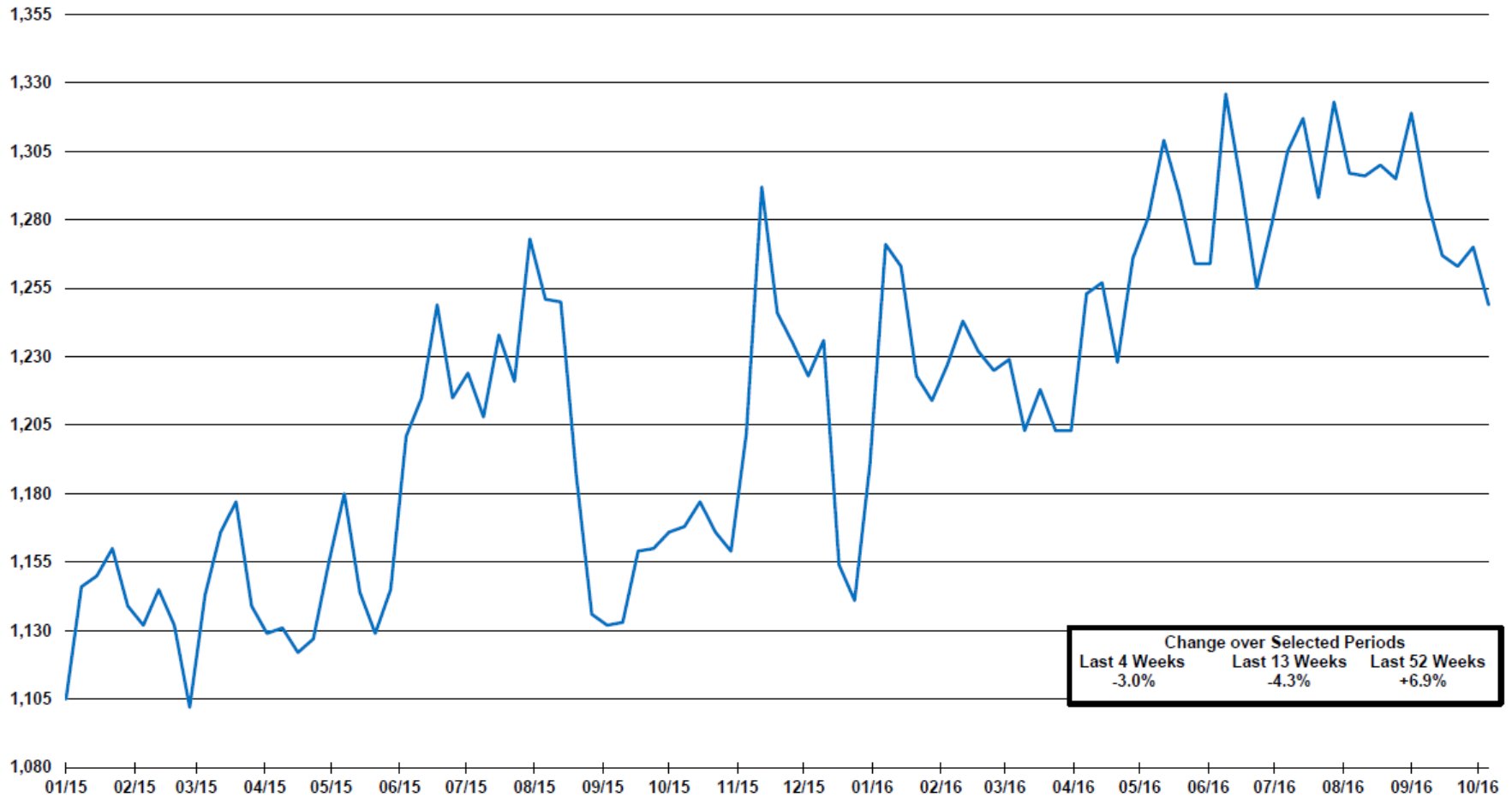


*The Aggregate number of Large Open Interest Holders is the sum of the LOIH traders for the following products: Corn, Wheat (HRW and SRW), Soybeans, Soybeans Meal, Soybeans Oil, Live Cattle, and Lean Hogs.
The Agricultural Product Line LOIH above is a sum of each product's LOIH and does not imply a unique number of Traders

Metals Futures – Large Open Interest Holders

CME Group Metals Futures
Aggregate Number of Large Open Interest Holders*

Source: CFTC

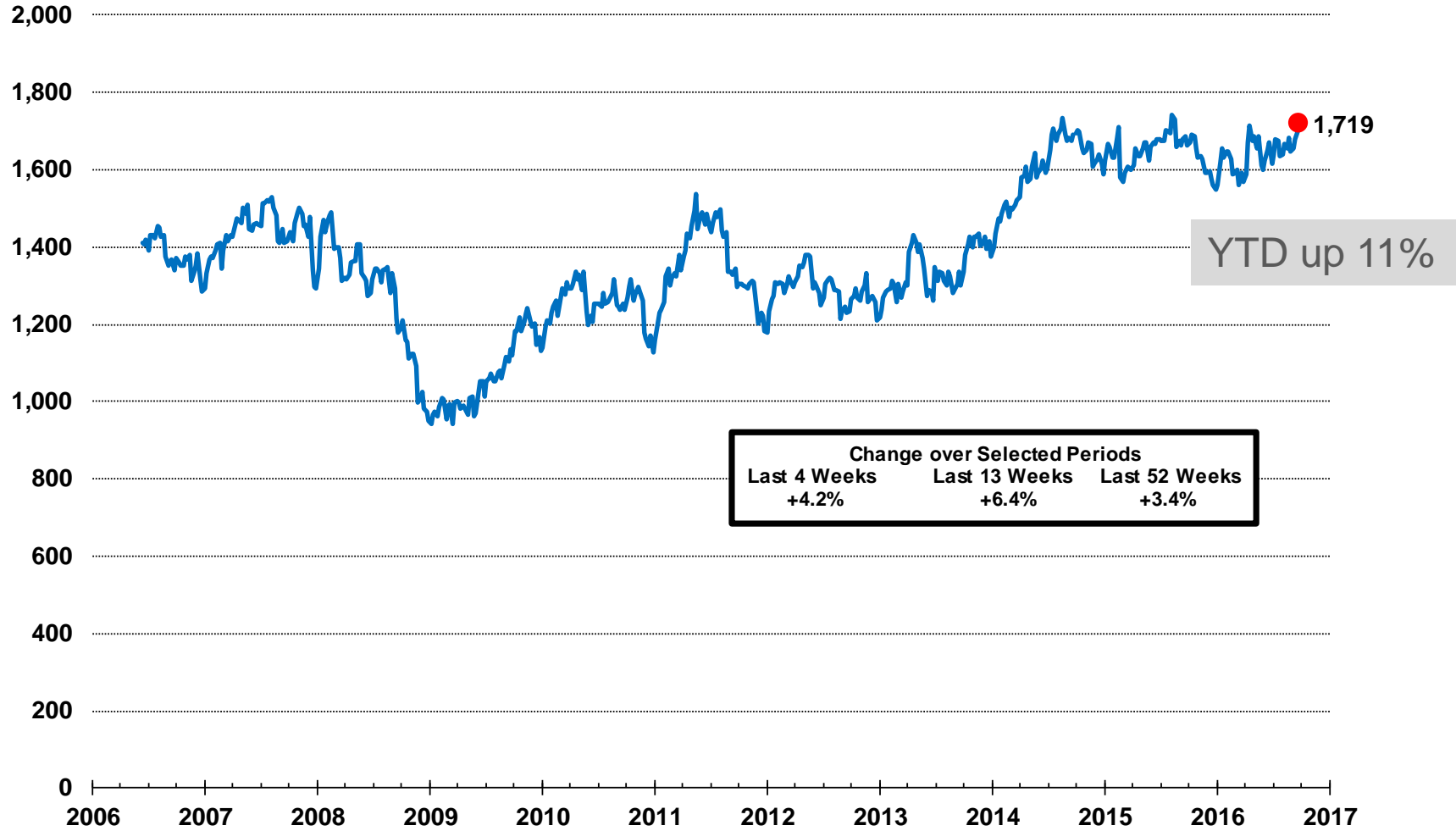


*The Aggregate number of Large Open Interest Holders is the sum of the LOIH traders for the following products: Gold, Silver, Copper, Platinum, and Palladium.
The Metals Product Line LOIH above is a sum of each product's LOIH and does not imply a unique number of Traders

Interest Rate Futures – Large Open Interest Holders

CME Group Interest Rate Futures
Aggregate Number of Large Open Interest Holders*

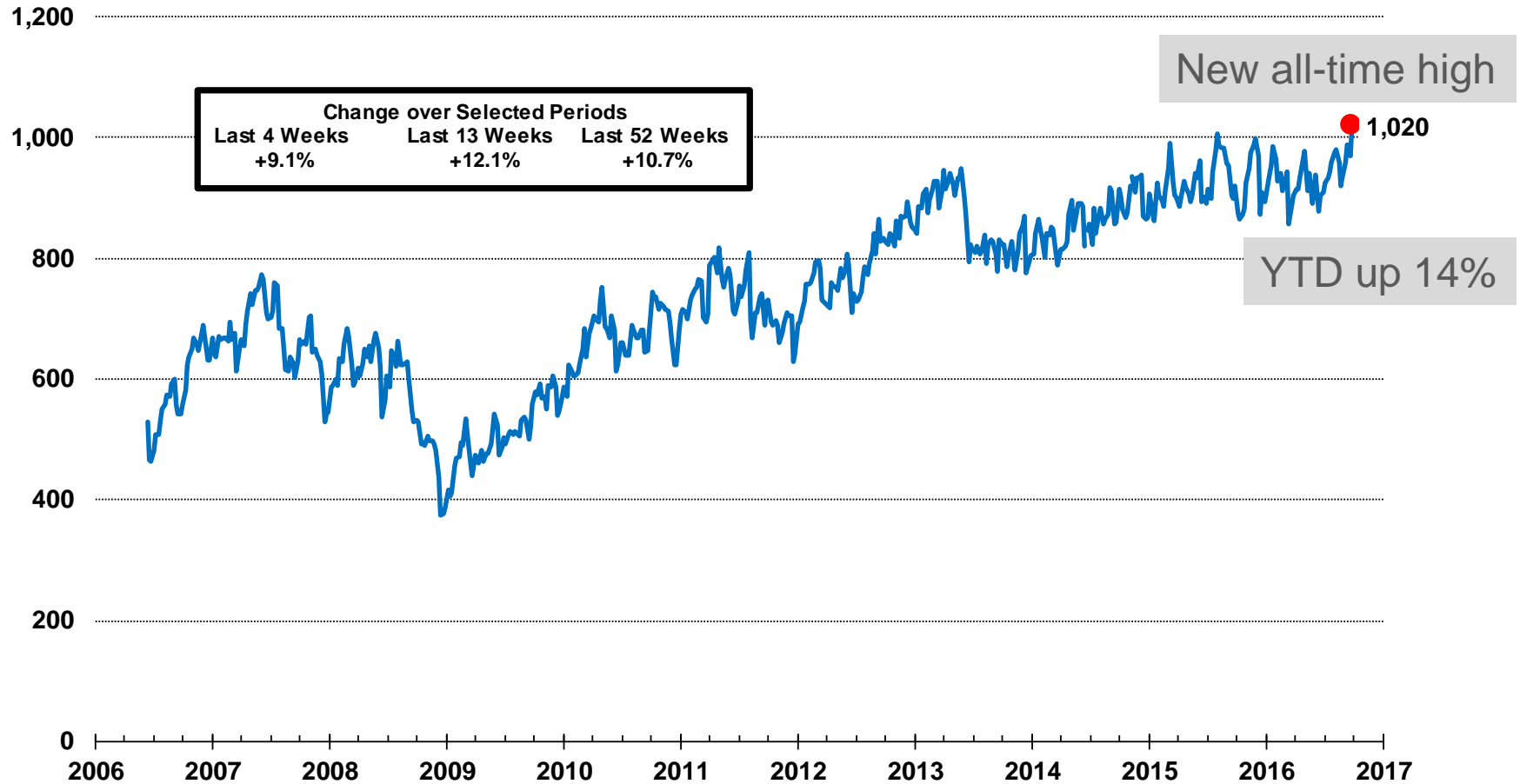
Source: CFTC



FX Futures – Large Open Interest Holders

CME Group Foreign Exchange Futures
Aggregate Number of Large Open Interest Holders*

Source: CFTC



*The CFTC defines large open interest holders as having at least **400** open contracts in Major Foreign Currency futures and at least **100** open contracts in Other Foreign Currency futures.

Equity Index Futures – Large Open Interest Holders

CME Group Equity Index Futures
Aggregate Number of Large Open Interest Holders*

Source: CFTC

