

CME Group 2Q 2017 Earnings Conference Call

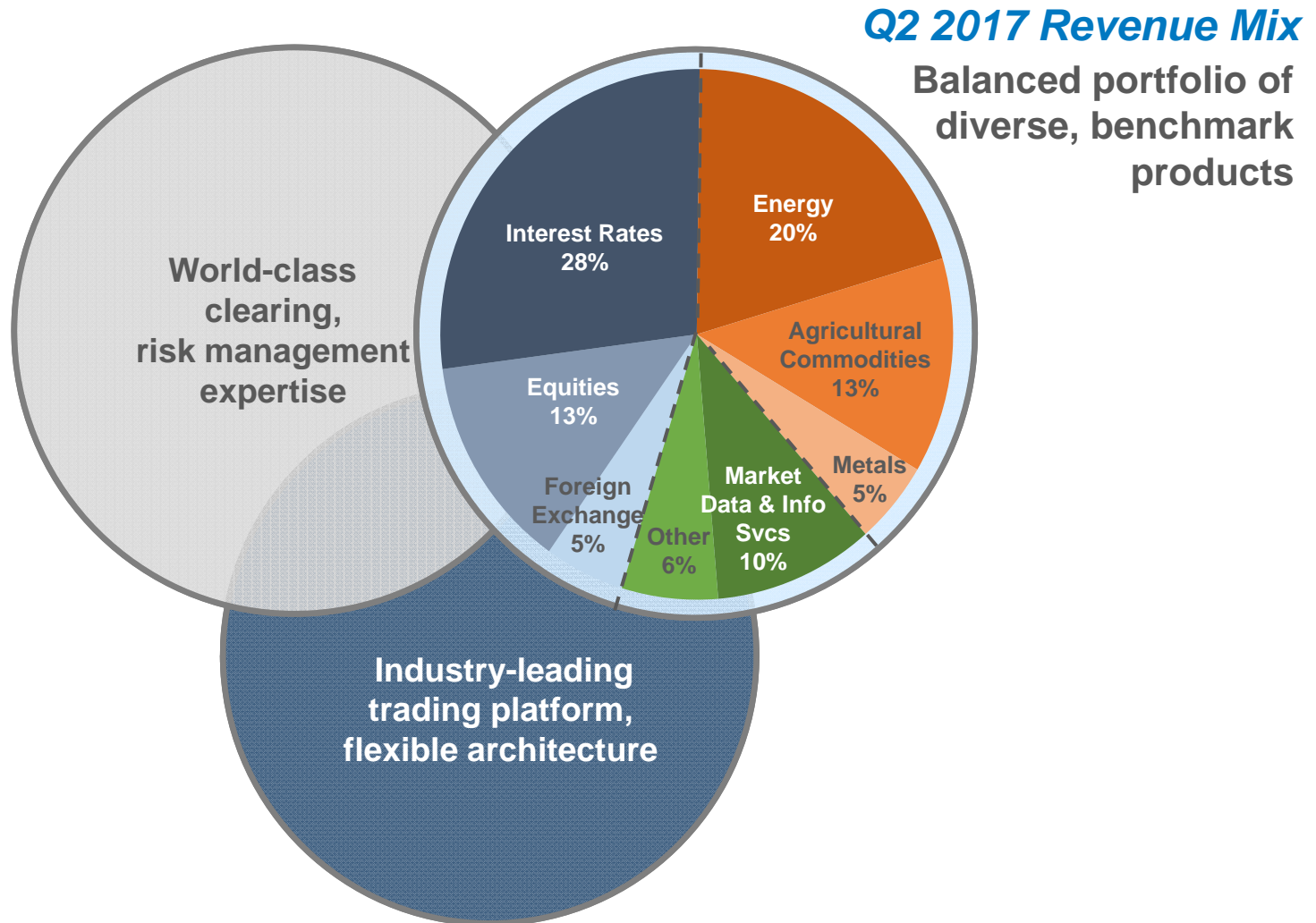
August 1, 2017

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 regulations, including the impact of any changes in 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 6/30/2017.

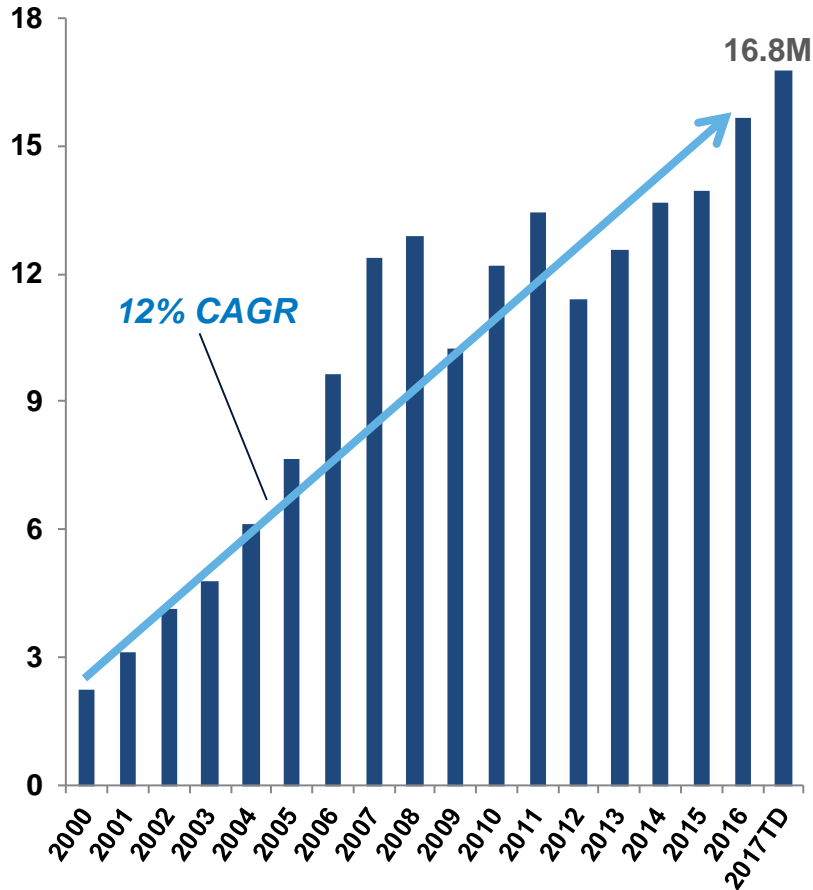
Unique Assets Provide Competitive Advantages



Steady ADV Growth and Healthy Open Interest

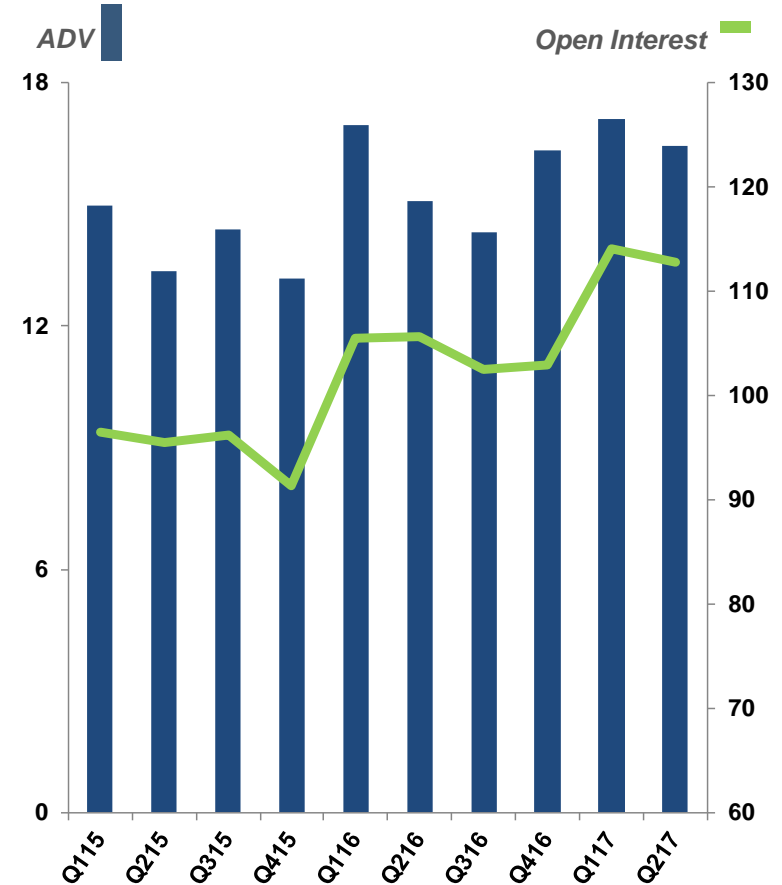
Annual ADV

Millions



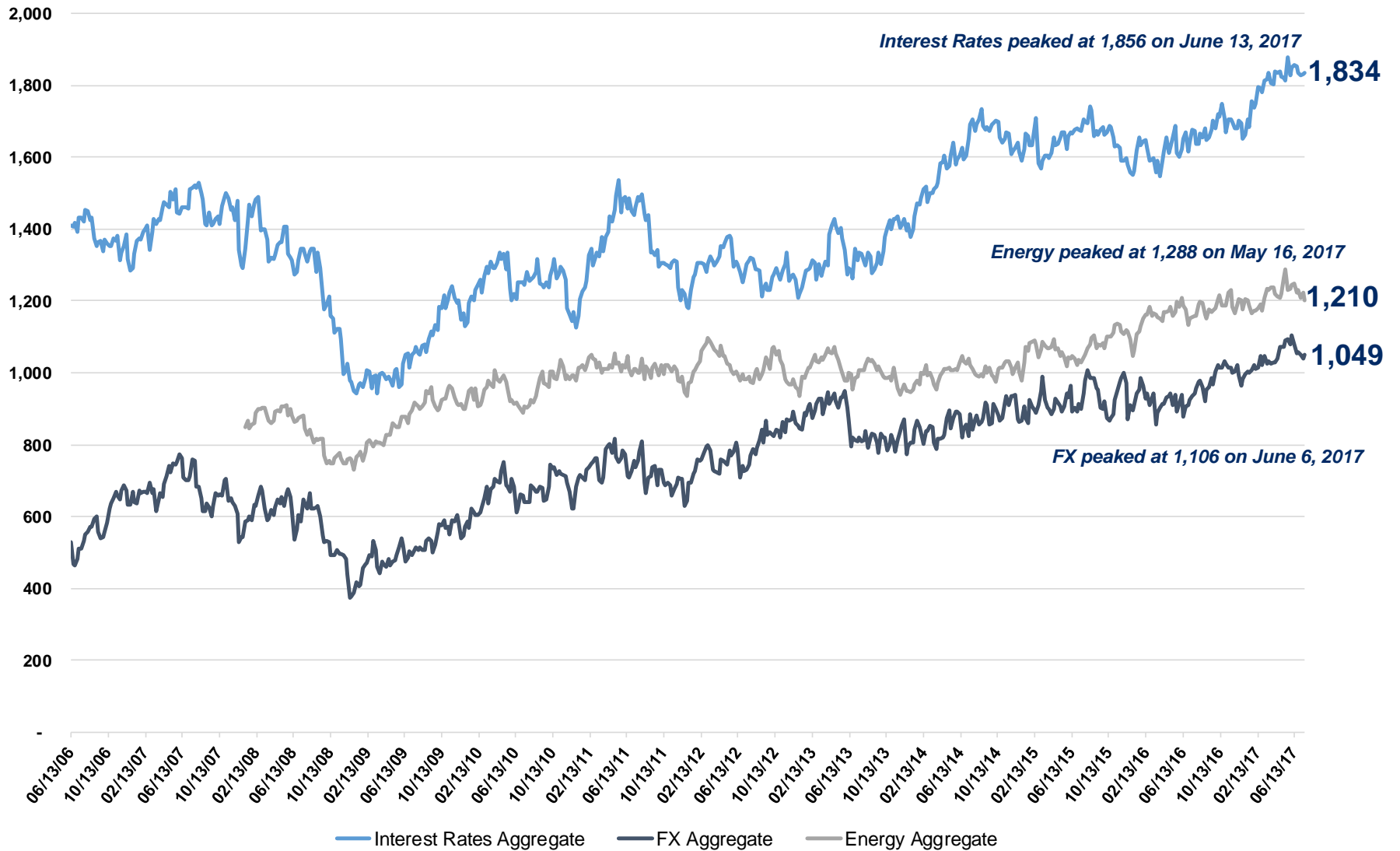
Quarterly ADV and OI

Millions



- Record Q117 ADV of 17.1M
- Q217 ADV records in Energy and Metals
- Q217 ADV of 16.5M up 9% from Q216 ADV
- Record Q217 WTI Crude Oil futures and options ADV

Increasing Large Open Interest Holders Across Several Major Product Lines

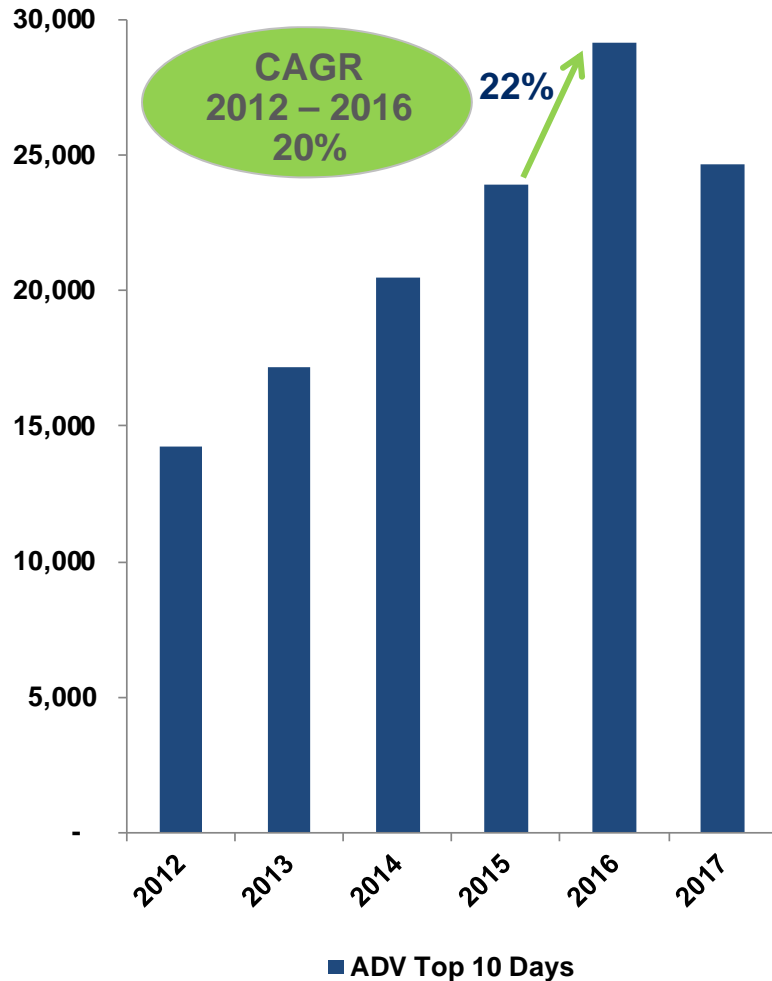


Significant Amount of Recurring Business

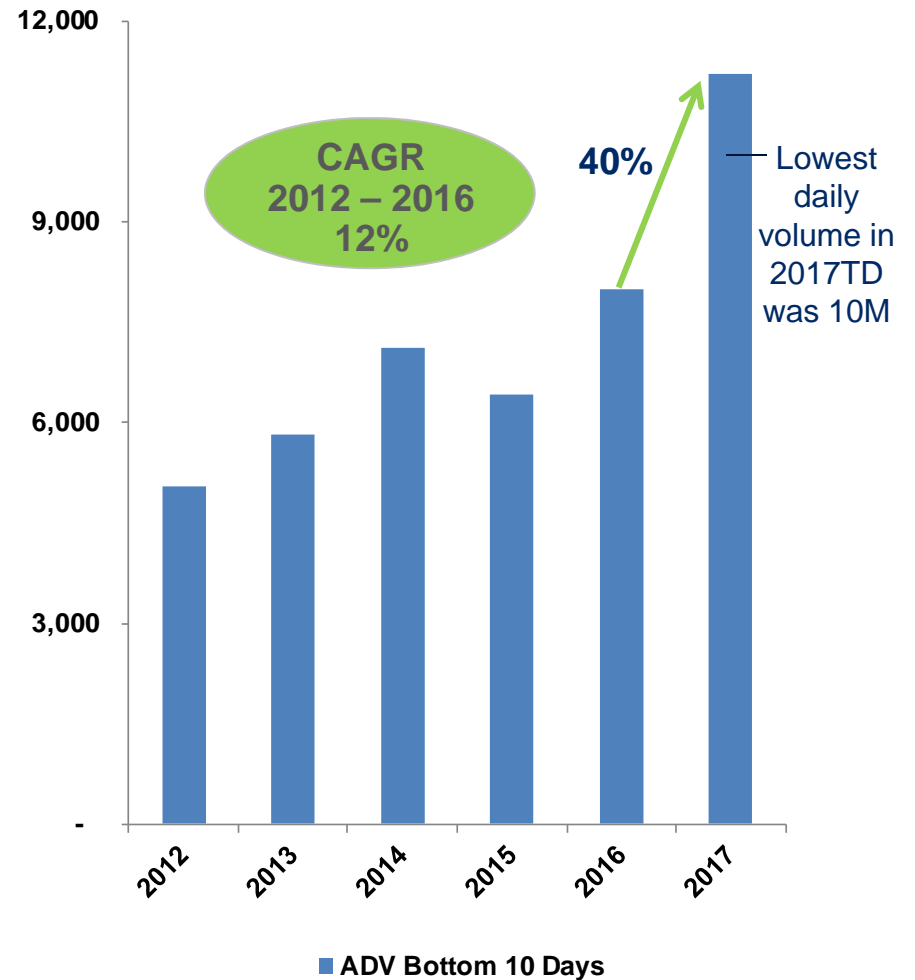
Highs get higher

Lows get higher

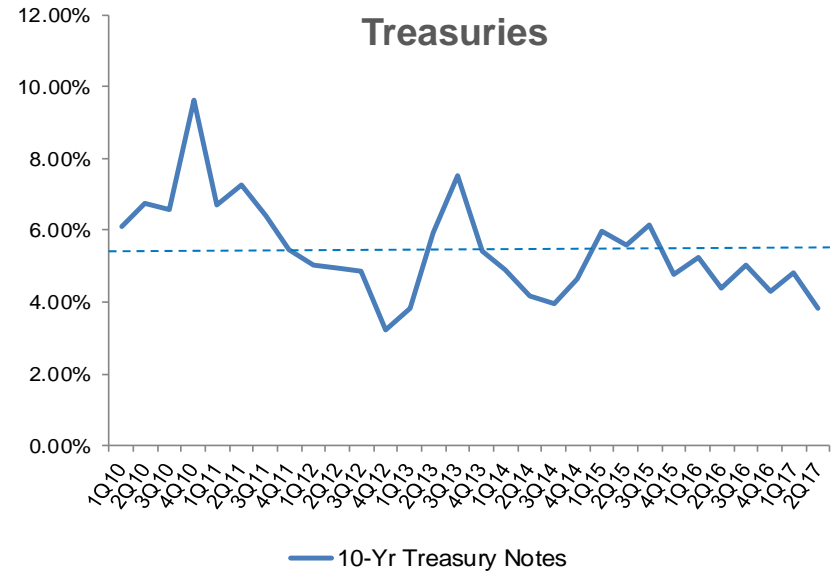
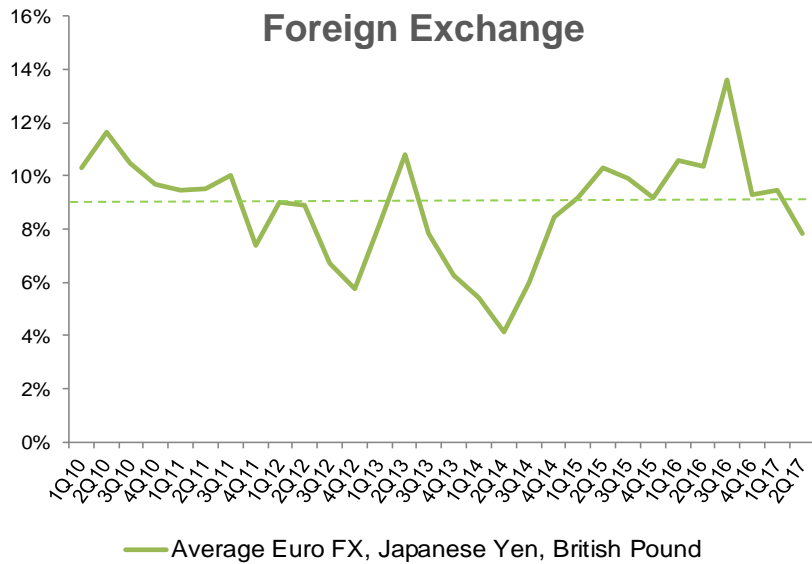
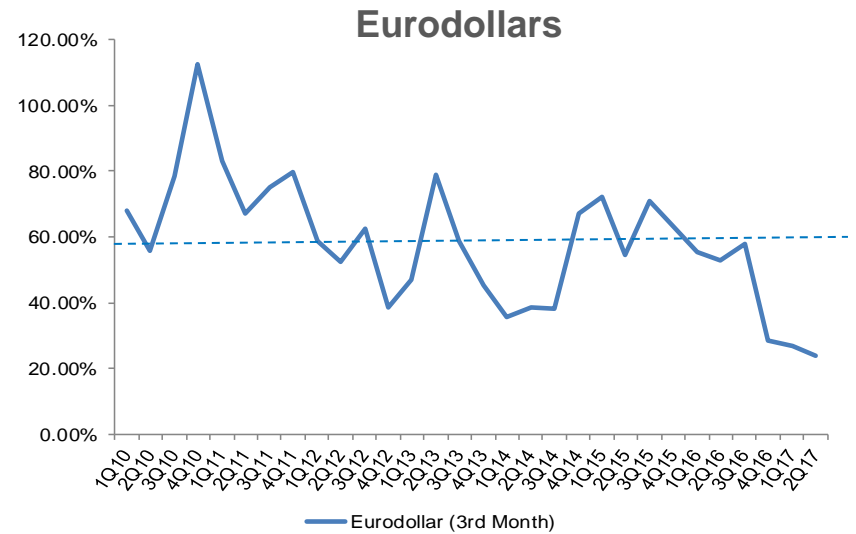
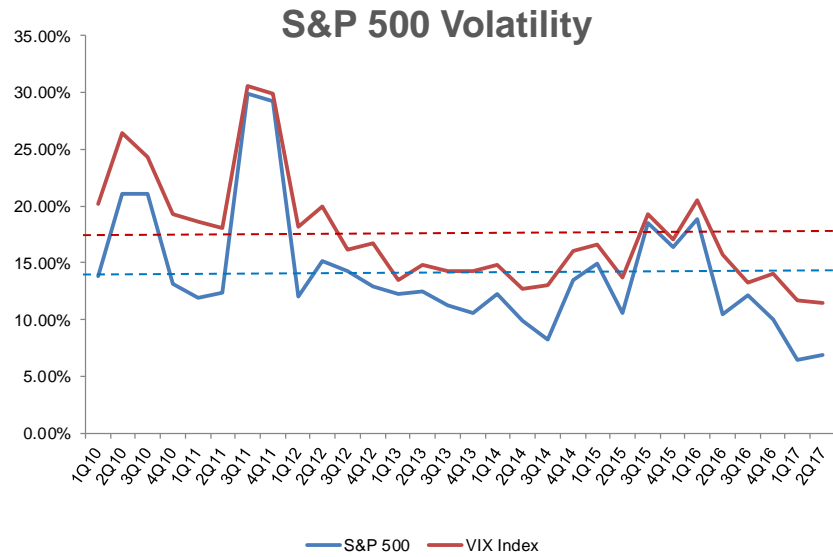
ADV Top 10 Days



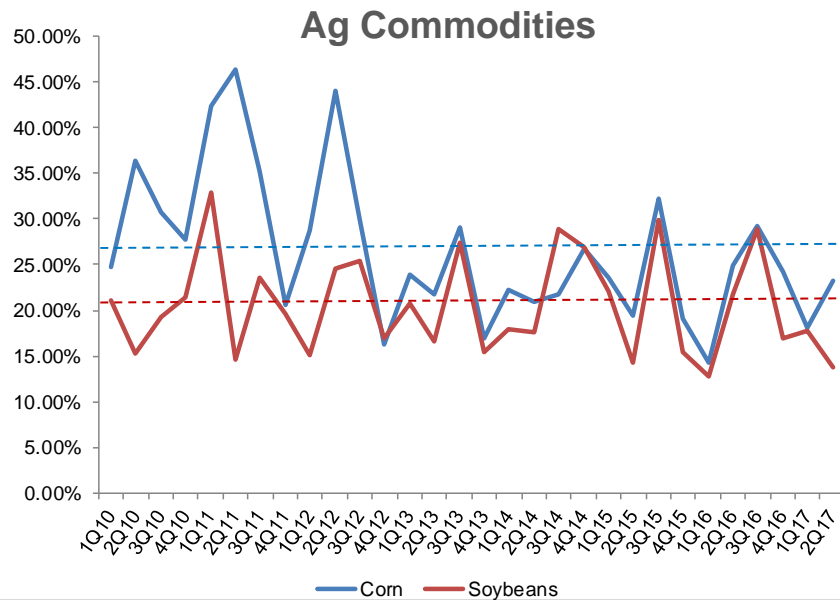
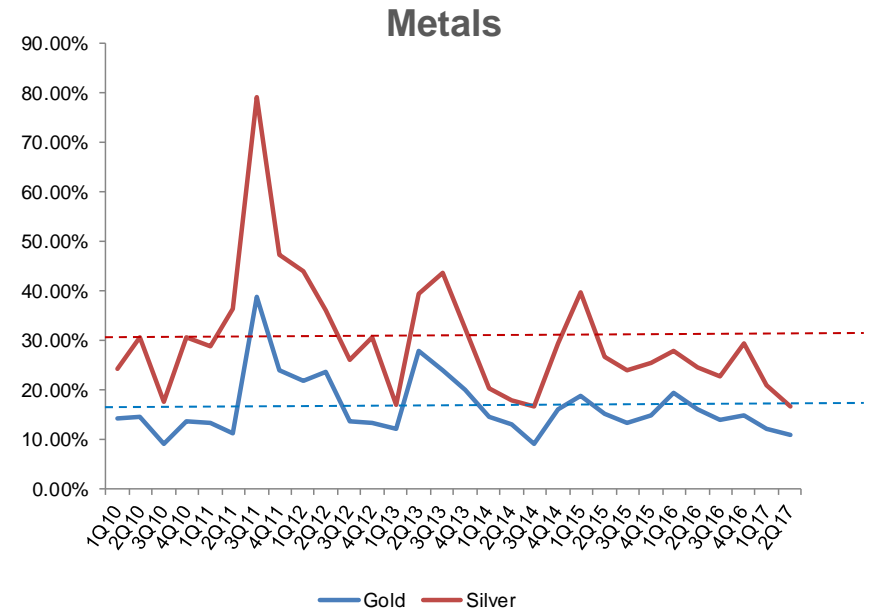
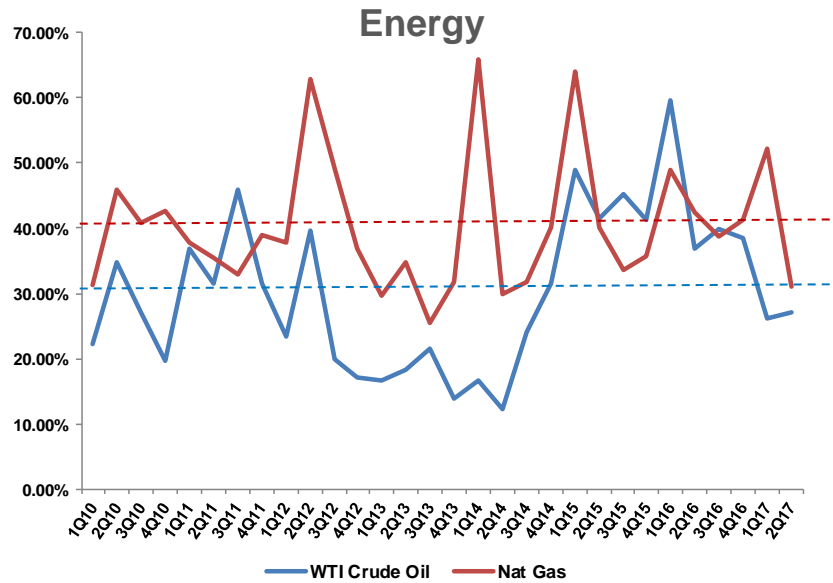
ADV Bottom 10 Days



Volatility Through 2Q 2017

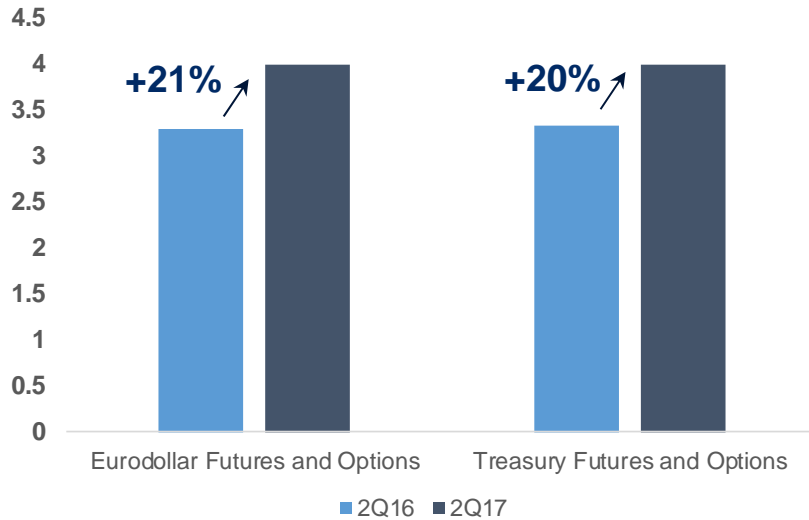


Volatility Through 2Q 2017

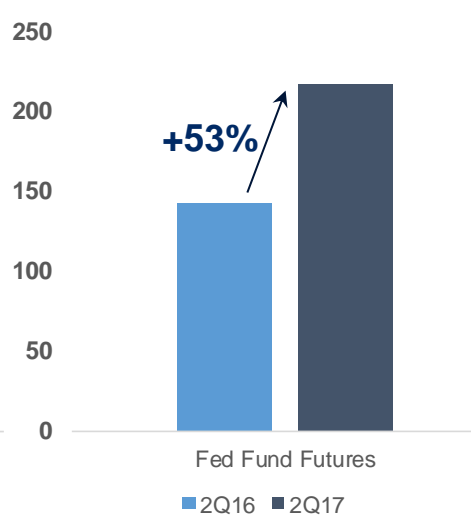


Continued Strength in Interest Rates

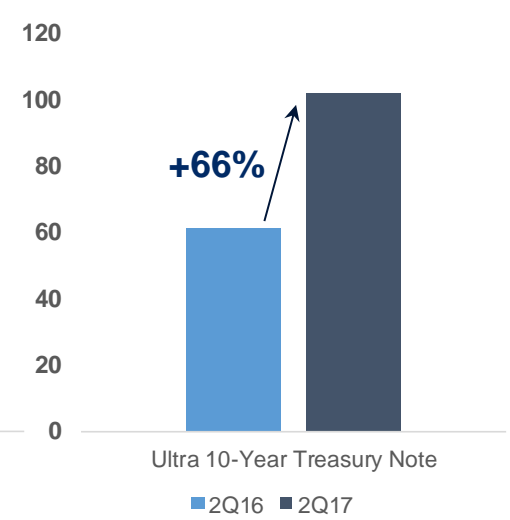
ADV (millions)



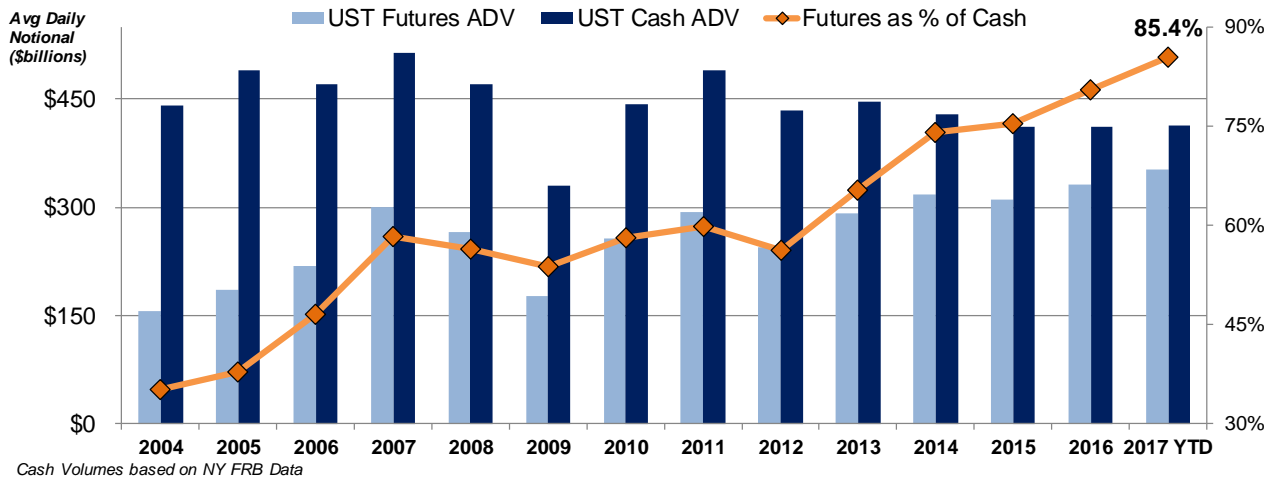
ADV (thousands)



ADV (thousands)



Treasury Futures Volumes as Compared to Cash

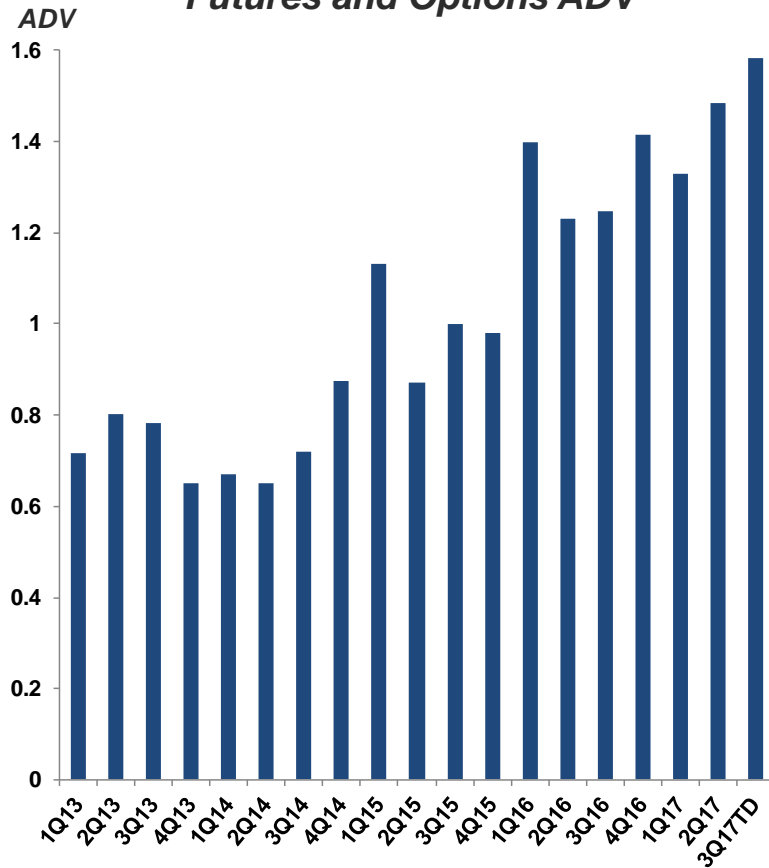


- 2Q17 Eurodollar options ADV was a record 33% electronic; 3Q17TD is 41% electronic
- 2Q17 Treasury options ADV was a record 80% electronic; 3Q17TD is 81% electronic
- Hit record overall Interest Rates open interest of 78.6M contracts on June 15, 2017

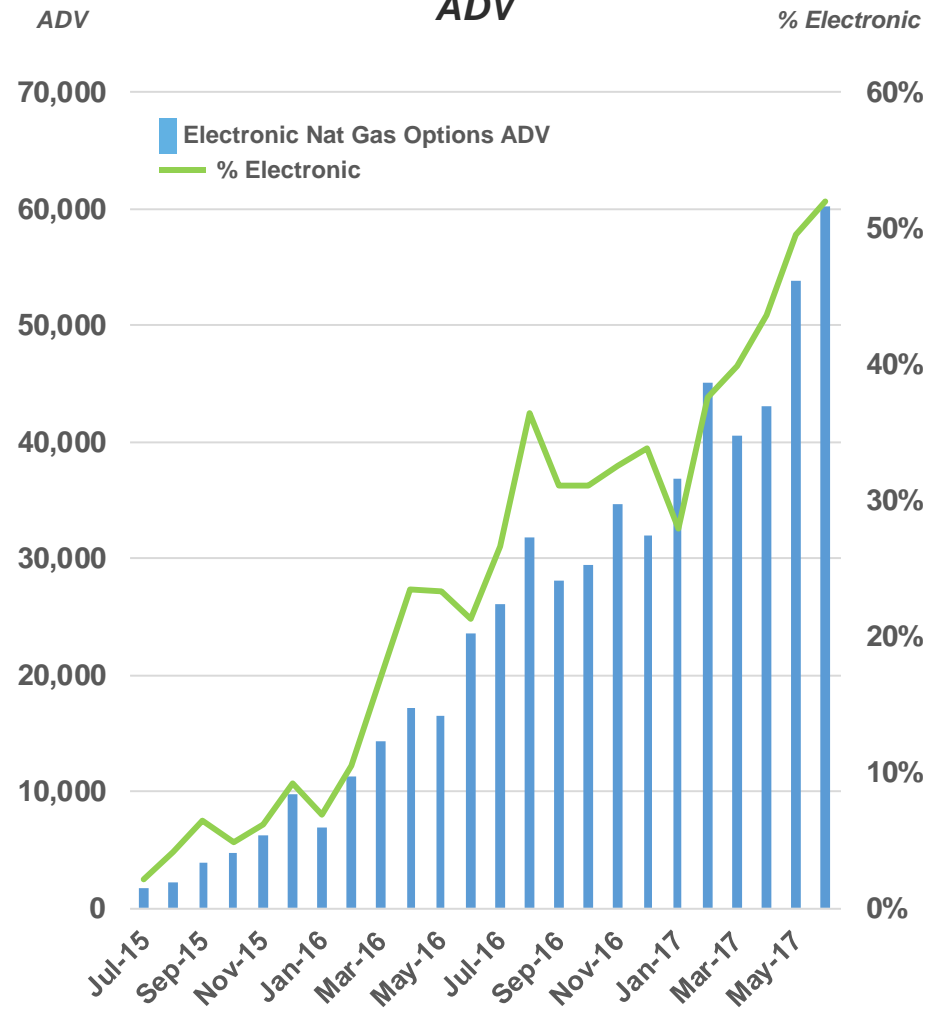
Structural Shift in Energy

- US has become the swing producer in the global Crude Oil market, driven by increased domestic production and rising exports of WTI
- Nat Gas should follow similar trend with increasing U.S. shale gas production and increasing U.S. exports of liquefied Nat Gas

CME Group WTI Crude Oil Futures and Options ADV

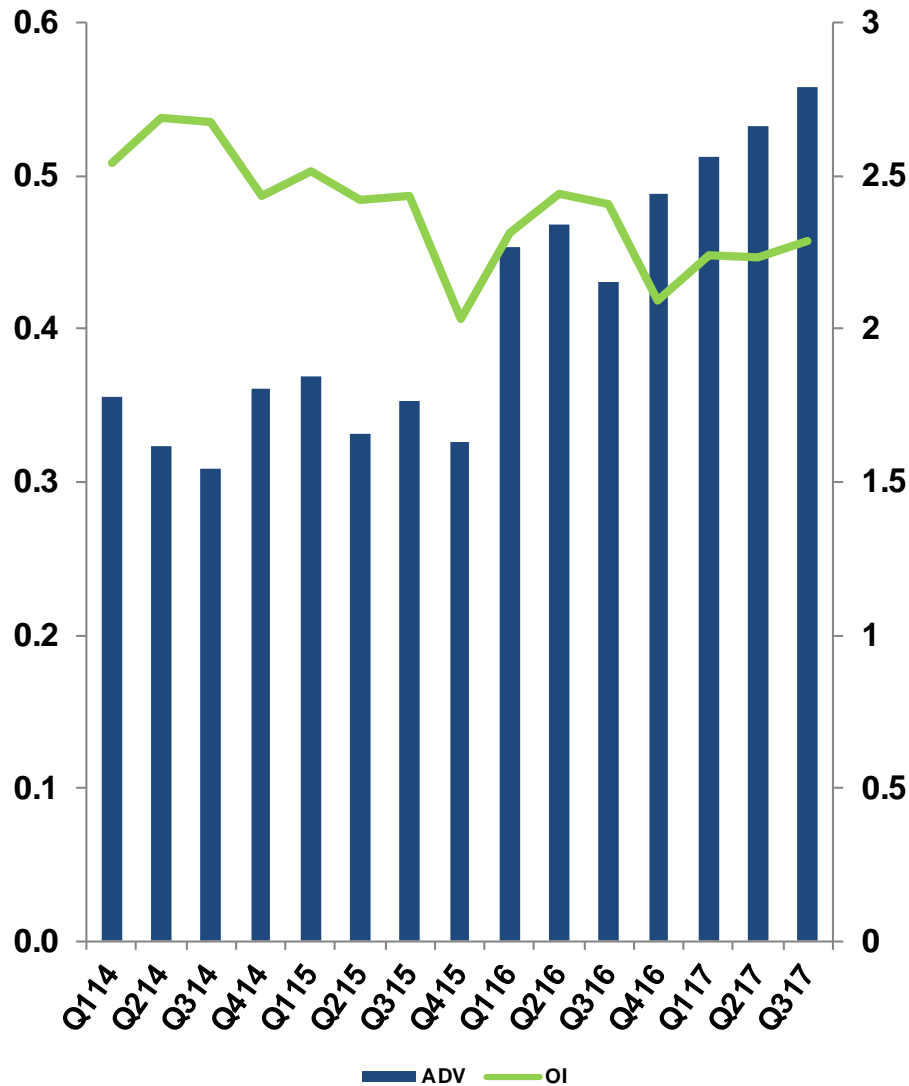


CME Group Electronic Natural Gas Options (LN) ADV

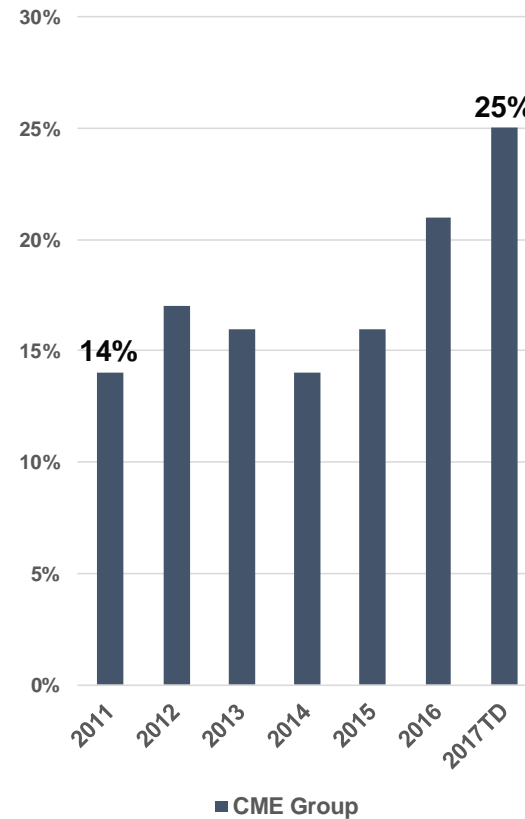


Three Consecutive Record ADV Quarters in Metals

Metals Futures/Options ADV and OI (millions)

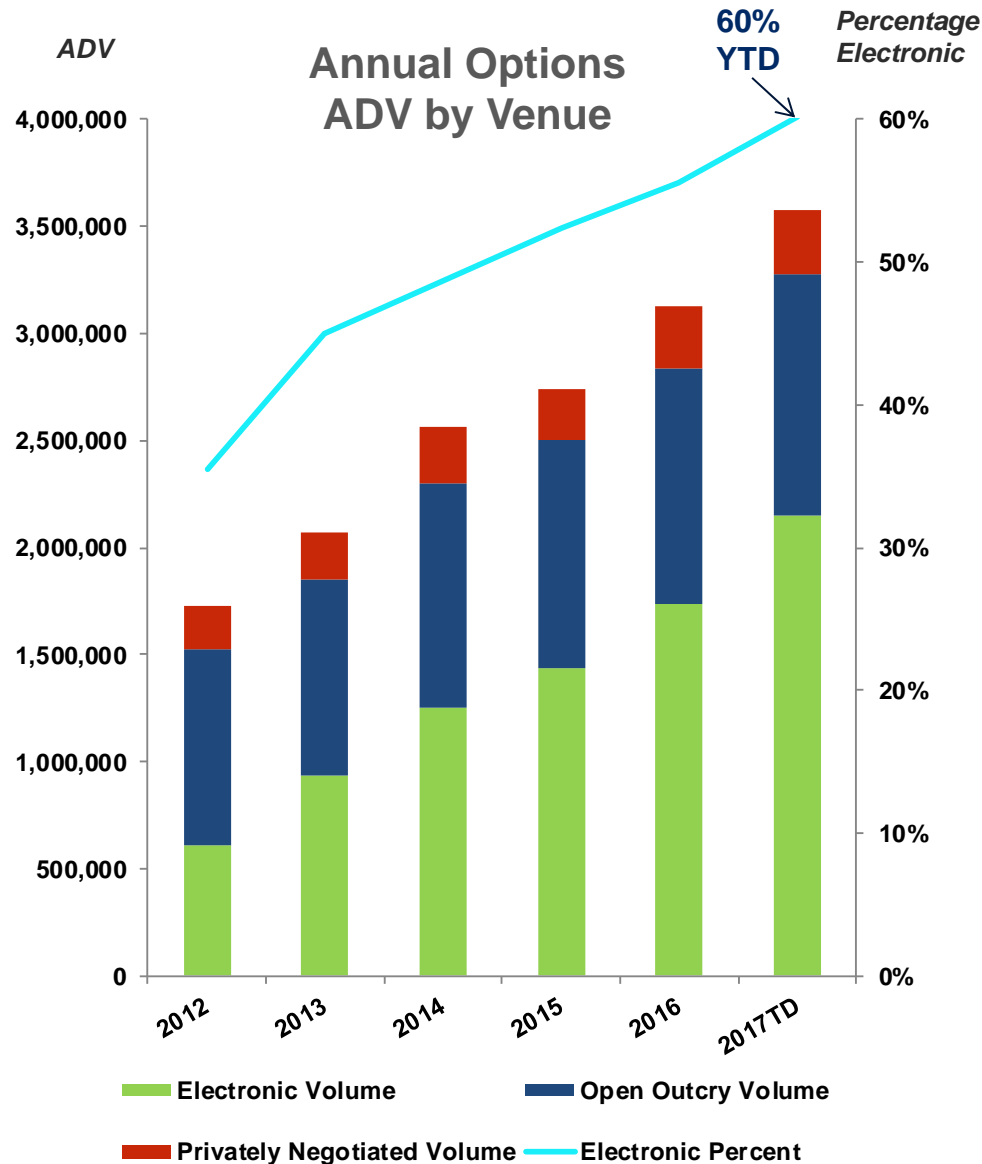


CME Group Copper Futures Market Share (CME Group and LME)



- 1Q17 Precious Metals ADV up 14 percent
- 1Q17 Base Metals ADV up 15 percent
 - Copper ADV up 15 percent
 - Copper futures open interest at record 312K contracts (as of July 28, 2017)

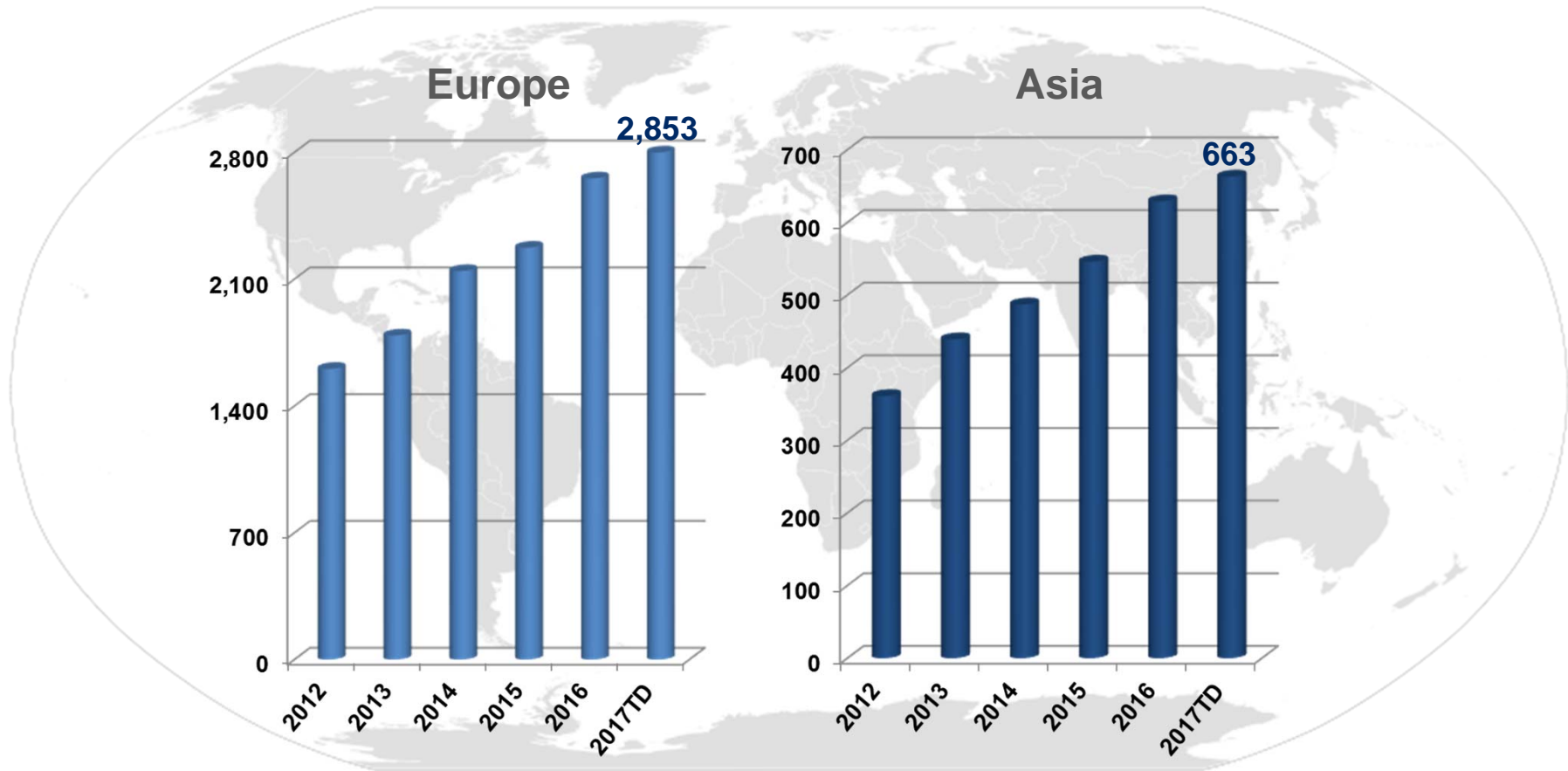
Options Business – Continued Momentum



- 2Q17 Options ADV up 21%, with electronic options ADV up 30%
- Shorter duration options are appealing to market participants
 - Reached record Weekly Treasury options ADV in 2Q17
 - E-mini S&P 500 and Standard S&P 500 Monday and Wednesday weekly options are averaging approximately 80K contracts per day year-to-date in 2017, and they make up 12% of all Equity Index options ADV for that timeframe
 - Launched WTI weekly options in February 2017, June ADV more than doubled the ADV during the first month
- Options are particularly useful for customers in a low volatility environment
 - While 2Q17 Equity Index futures were certainly impacted by lower volatility, 2Q17 Equity Index options ADV was up 7%

Investments in Globalization Are Paying Off

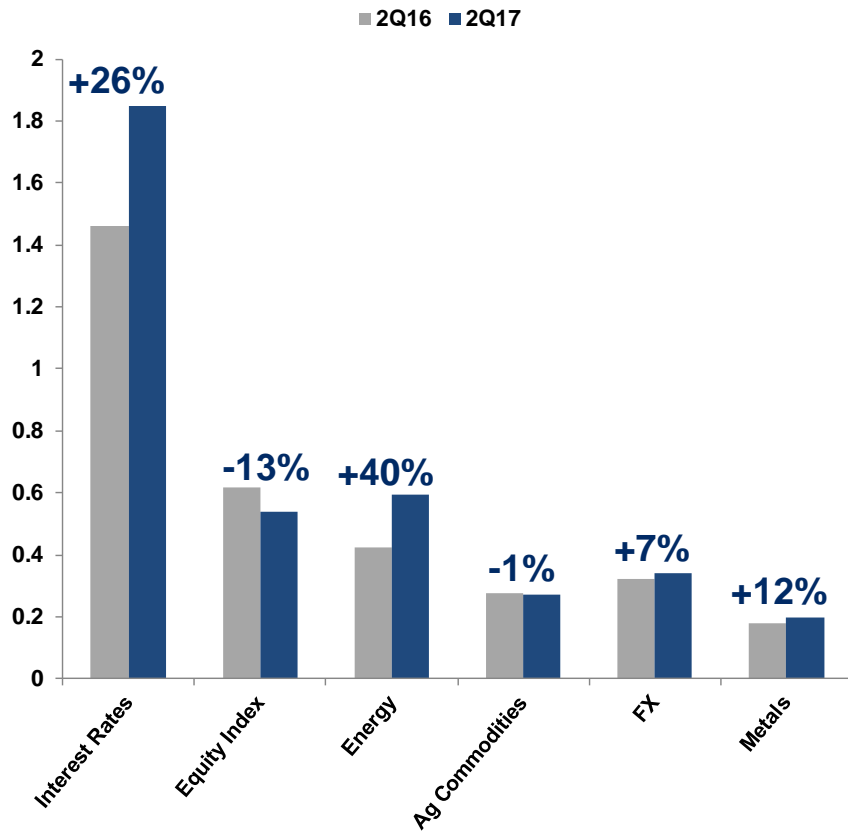
Electronic ADV, in 000s



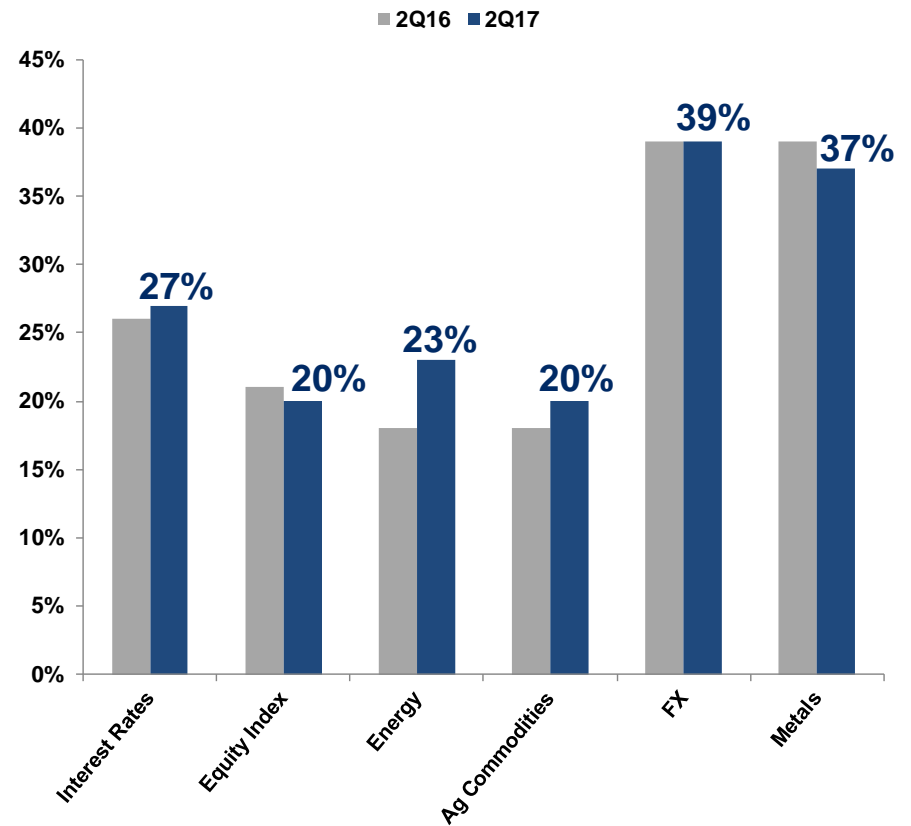
- Record 2Q17 ADV from both Europe and Asia
- During 2Q17, 33% growth during European trading hours and 22% growth during Asian trading hours

Investments in Globalization Are Paying Off

Electronic ADV outside of United States, in millions



% of Product Line Electronic ADV outside of United States



CME Group 2Q 2017 Adjusted Financial Results¹

- Revenue of \$925M, up 2 percent
- Operating Expense of \$294M, down 3 percent *(also down 3% when removing License Fees)*
- Operating Income of \$630M, up 4 percent
- Operating Margin of 68.2 percent
- Record Net Income of \$419M, up 8 percent
- Record Diluted EPS of \$1.23, up 8 percent

CME Group Average Rate Per Contract (RPC)

<u>Product Line</u>	<u>2Q 2016</u>	<u>3Q 2016</u>	<u>4Q 2016</u>	<u>1Q 2017</u>	<u>2Q 2017</u>
Interest Rates	\$ 0.496	\$ 0.508	\$ 0.491	\$ 0.492	\$ 0.491
Equities	0.709	0.676	0.691	0.718	0.731
Foreign Exchange	0.798	0.806	0.804	0.823	0.807
Energy	1.168	1.097	1.099	1.130	1.096
Ag Commodities	1.291	1.335	1.336	1.334	1.300
Metals	1.562	1.542	1.486	1.496	1.449
Average RPC	\$ 0.782	\$ 0.750	\$ 0.731	\$ 0.731	\$ 0.749

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.

Notes / Guidance

- **Adjusted Operating Expense**

- 2Q17 adjusted operating expense, excluding license fees and adjustments, was \$261 million, down 3 percent compared with 2Q16
- Maintaining full-year adjusted operating expense guidance, excluding license fees and adjustments, of up one percent, based on expected back half spending.

- **Other Revenue**

- 2Q17 Other Revenue was down \$4.6 million compared with 1Q17, the result of a few non-recurring one-time items in recent quarters.
- In addition, Interest Earnings Facility (IEF) investment income, which had previously run between \$2.5 and \$3 million per quarter and is included in the Other Revenue section, dropped to almost zero in 2Q, as the vast majority of margin deposits have been migrated into the Fed facility which has a higher rate of return. That revenue and expense is reflected in non-operating results.

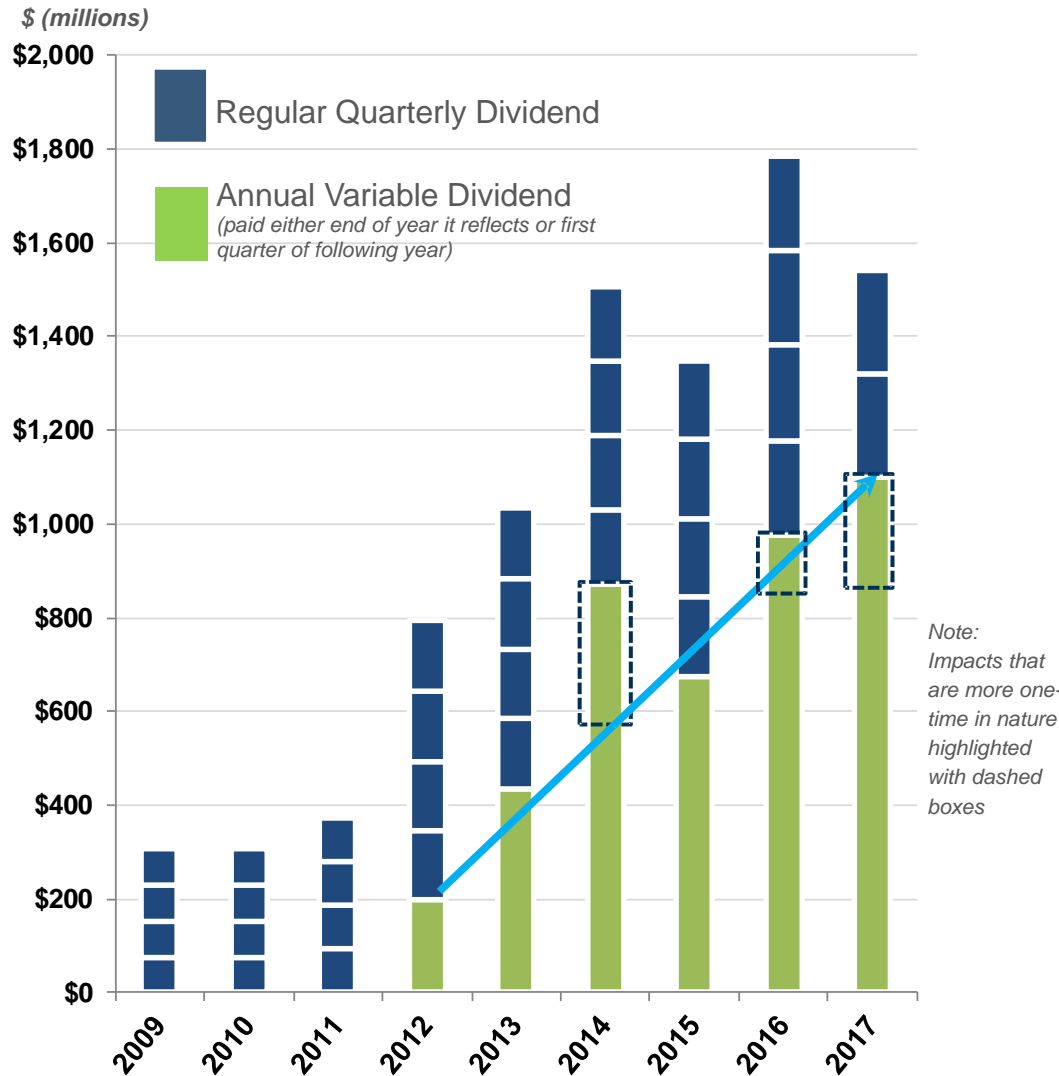
- **Effective Tax Rate**

- 2Q17 effective tax rate was an adjusted 36.5 percent, up sequentially as guided to last quarter. Given the recent announcement of an increase in the Illinois State Income Tax starting in July, we expect our tax rate to increase by .4 percent annually, and .2 percent for the current year. For modeling purposes, we suggest using 36.8 percent in the second half or 36.5 percent for 2017.

- **CAPEX**

- During 2Q17, capital expenditures, net of leasehold improvement allowances, totaled \$16.5 million. For the year, we now expect \$90 to \$95 million of CAPEX.

Committed to Returning Cash to Shareholders



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.

- **Second-quarter 2017 regular dividend was paid at \$0.66 per share; this is an increase of 10 percent from the regular quarterly dividends paid in 2016**
- **CME Group to keep \$700M minimum cash**
- **Creates opportunity to sweep excess cash to shareholders annually**
- **Unique annual, variable structure**
- **Have returned approximately \$8 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**

CME Group
2Q 2017
Earnings Conference Call - Appendix

August 1, 2017

2Q17 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 June 30,		Six Months Ended June 30,	
	2017	2016	2017	2016
Net Income	\$ 415.8	\$ 320.1	\$ 815.6	\$ 687.9
Restructuring and severance	2.1	—	3.9	—
Amortization of purchased intangibles	24.0	24.0	48.0	48.0
Loss on disposal of assets	0.6	4.0	0.6	5.3
Loss and expenses related to sale-leaseback of data center	—	—	—	28.6
Foreign exchange transaction losses (gains) ¹	(4.6)	11.6	(7.1)	15.5
Net (gains) losses on CME Venture investments	—	3.8	—	3.8
(Gains) losses on sale of BM&FBOVESPA shares	—	—	(86.5)	—
Income tax effect related to above ²	(9.1)	(13.7)	(18.0)	(34.2)
Other income tax item ³	(9.9)	37.5	77.9	37.5
Adjusted Net Income	\$ 418.9	\$ 387.3	\$ 834.4	\$ 792.4
GAAP Earnings per Common Share:				
Basic	\$ 1.23	\$ 0.95	\$ 2.41	\$ 2.04
Diluted	1.22	0.95	2.40	2.03
Adjusted Earnings per Common Share:				
Basic	\$ 1.24	\$ 1.15	\$ 2.47	\$ 2.35
Diluted	1.23	1.14	2.45	2.34
Weighted Average Number of Common Shares:				
Basic	338,556	337,289	338,448	337,152
Diluted	340,020	338,706	339,974	338,599

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

2. Income tax effect related to all of the above includes all of the items above except for the tax impact related to the gain on sale of BM&FBOVESPA shares.

3. In the second quarter of 2017, we recognized the favorable settlements of federal and state examinations offset by tax charges related to the closure of the U.K. Exchange and Clearinghouse.

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	Q416	Q117	Q217
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	\$ 768.5	\$ 792.0	\$ 792.0
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	100.1	96.8	96.1
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	23.7	24.3	24.9
Other	15.4	12.3	12.1	17.4	15.2	13.9	14.2	14.1	14.1	13.6	12.6	20.6	16.2	11.6
Total Revenues	777.4	731.6	762.4	841.1	842.7	820.0	850.3	813.8	934.2	906.4	841.7	912.9	929.3	924.6
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	133.1	136.8	134.4
Communications	8.2	8.3	7.8	7.7	7.6	6.6	7.1	6.5	6.7	6.3	6.9	6.9	6.3	6.0
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	18.4	18.7	18.2
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	40.2	28.6	28.6
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	31.1	29.4	28.2
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	20.0	20.1	19.2
Licensing and other fee agreements	29.0	26.7	25.5	34.0	30.6	28.8	33.1	31.3	39.0	32.8	31.5	32.5	33.8	32.9
Other	27.3	31.1	25.1	44.2	21.7	23.5	20.5	37.4	23.4	25.2	20.8	40.7	27.4	26.6
Total Expenses	300.0	302.1	291.9	315.5	292.3	298.8	292.3	311.9	302.7	302.8	288.5	322.9	301.1	294.1
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	290.4	267.3	261.2
Operating Income	477.4	429.5	470.5	525.6	560.4	521.2	558.0	501.9	631.5	603.6	553.2	590.0	628.3	630.5
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	27.7	48.6	109.6
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)	(31.6)	(29.8)	(29.0)
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	27.8	30.8	31.8
Other non-operating income (expense)	-	1.8	-	-	(0.8)	(1.1)	(0.8)	(0.8)	(10.0)	(10.4)	(10.5)	(12.7)	(34.1)	(83.5)
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	11.2	15.5	28.9
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	601.2	643.8	659.4
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	213.9	228.3	240.5
Net Income	293.5	273.9	296.9	334.6	345.3	335.8	359.8	327.0	405.1	387.3	356.6	387.3	415.5	418.9
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	\$ 387.3	\$ 415.5	\$ 418.9
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	\$1.14	\$1.22	\$1.23
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	339.34	339.95	340.02
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	0.8	3.7	2.8
Currency fluctuation gain (loss)	3.1	5.5	(12.8)	(11.2)	(10.0)	11.1	(7.2)	(5.2)	(3.9)	(11.8)	(1.0)	(8.0)	2.5	4.6

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