

Edgar Filing: CBOE Holdings, Inc. - Form 10-Q

CBOE Holdings, Inc.  
Form 10-Q  
November 04, 2014  
Table of Contents

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
Form 10-Q

✓ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2014

OR

•• TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File No. 001-34774

CBOE HOLDINGS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of  
incorporation or organization)

20-5446972  
(I.R.S. Employer  
Identification No.)

400 South LaSalle Street

Chicago, Illinois

(Address of principal executive  
offices)

60605

(Zip Code)

Registrant's telephone number, including area code  
(312) 786-5600

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days. Yes ✓ No ••

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ✓ No ••

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer", "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer ✓

Accelerated filer ••

Non-accelerated filer ••

Smaller reporting company ••

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes •• No ✓

Indicate the number of shares outstanding of each of the registrant's classes of unrestricted common stock, as of the latest practicable date:

Class

October 24, 2014

Unrestricted Common Stock, par value \$0.01

84,399,412 shares



Table of Contents

CBOE HOLDINGS, INC.  
INDEX

|  | Page |
|--|------|
| <u>PART I - FINANCIAL INFORMATION</u>  |      |
| <u>Item 1.</u> <u>Condensed Consolidated Financial Statements (Unaudited)</u>  | 5    |
| <u>Condensed Consolidated Statements of Income — Three and Nine Months Ended September 30, 2014 and 2013</u>               | 2    |
| <u>Condensed Consolidated Statements of Comprehensive Income — Three and Nine Months Ended September 30, 2014 and 2013</u> | 6    |
| <u>Condensed Consolidated Balance Sheets — September 30, 2014 and December 31, 2013</u>                                    | 7    |
| <u>Condensed Consolidated Statement of Stockholders' Equity — Nine Months Ended September 30, 2014</u>                     | 8    |
| <u>Condensed Consolidated Statements of Cash Flows — Nine Months Ended September 30, 2014 and 2013</u>                     | 9    |
| <u>Notes to Condensed Consolidated Financial Statements</u>  | 10   |
| <u>Item 2.</u> <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>                | 18   |
| <u>Item 3.</u> <u>Quantitative and Qualitative Disclosures about Market Risk</u>   | 29   |
| <u>Item 4.</u> <u>Controls and Procedures</u>  | 29   |
| <u>PART II - OTHER INFORMATION</u>   |      |
| <u>Item 1.</u> <u>Legal Proceedings</u>  | 30   |
| <u>Item 1A.</u> <u>Risk Factors</u>  | 30   |
| <u>Item 2.</u> <u>Unregistered Sales of Equity Securities and Use of Proceeds</u>  | 31   |
| <u>Item 3.</u> <u>Defaults Upon Senior Securities</u>  | 31   |
| <u>Item 4.</u> <u>Mine Safety Disclosures</u>  | 31   |
| <u>Item 5.</u> <u>Other Information</u>  | 31   |
| <u>Item 6.</u> <u>Exhibits</u>   | 31   |
| <u>Signatures</u>  | 32   |
| <u>Exhibits</u>  | 33   |

Table of Contents

CERTAIN DEFINED TERMS

Throughout this document, unless otherwise specified or the context so requires:

•"CBOE Holdings," "we," "us," "our" or "the Company" refers to CBOE Holdings, Inc. and its subsidiaries.

•"CBOE" refers to Chicago Board Options Exchange, Incorporated, a wholly-owned subsidiary of CBOE Holdings, Inc.

•"C2" refers to C2 Options Exchange, Incorporated, a wholly-owned subsidiary of CBOE Holdings, Inc.

•"CFE" refers to CBOE Futures Exchange, LLC, a wholly-owned subsidiary of CBOE Holdings, Inc.

•"CFTC" refers to the U.S. Commodity Futures Trading Commission.

•"FASB" refers to the Financial Accounting Standards Board.

•"GAAP" refers to Generally Accepted Accounting Principles in the United States.

•"OPRA" refers to the Options Price Reporting Authority, which is a limited liability company of member exchanges and is authorized by the SEC to provide consolidated options information.

•"Our exchanges" refers to CBOE, C2 and CFE.

•"SEC" refers to the U.S. Securities and Exchange Commission.

•"SPX" refers to our S&P 500 Index exchange-traded options products.

•"VIX" refers to the CBOE Volatility Index methodology.

References to "options" or "options contracts" in the text of this document refer to exchange-traded securities options and references to "futures" refer to futures and securities futures contracts.

Table of Contents

FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that involve a number of risks and uncertainties. You can identify these statements by forward-looking words such as "may," "might," "should," "expect," "plan," "anticipate," "believe," "estimate," "predict," "potential" or "continue," and the negative of these terms and other comparable terminology. All statements that reflect our expectations, assumptions or projections about the future other than statements of historical fact are forward-looking statements, including statements in the "Business" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" sections of this report. These forward-looking statements, which are subject to known and unknown risks, uncertainties and assumptions about us, may include projections of our future financial performance based on our growth strategies and anticipated trends in our business. These statements are only predictions based on our current expectations and projections about future events. There are important factors that could cause our actual results, level of activity, performance or achievements to differ materially from that expressed or implied by the forward-looking statements. In particular, you should consider the risks and uncertainties described under "Risk Factors" in Part I, Item 1A of our Annual Report on Form 10-K for the year ended December 31, 2013, Part II, Item 1A of this Quarterly Report on Form 10-Q and our other filings with the SEC.

While we believe we have identified the risks that are material to us, these risks and uncertainties are not exhaustive. Moreover, we operate in a very competitive and rapidly changing environment. New risks and uncertainties emerge from time to time, and it is not possible to predict all risks and uncertainties, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements.

Some factors that could cause actual results to differ include:

- the loss of our right to exclusively list and trade certain index options and futures products;
- increasing price competition in our industry;
- compliance with legal and regulatory obligations, including our obligations under the SEC Consent Order dated June 11, 2013;
- decreases in the amount of trading volumes or a shift in the mix of products traded on our exchanges;
- legislative or regulatory changes;
- increasing competition by foreign and domestic entities;
- our ability to operate our business without violating the intellectual property rights of others and the costs associated with protecting our intellectual property rights;
- our ability to accommodate trading volume and order transaction traffic, including increases in trading volume and order transaction traffic, without failure or degradation of performance of our systems;
  - our ability to protect our systems and communication networks from security risks, including cyber-attacks;
- economic, political and market conditions;
- our ability to maintain access fee revenues;
- our ability to meet our compliance obligations, including managing potential conflicts between our regulatory responsibilities and our for-profit status;
- our ability to attract and retain skilled management and other personnel;
- our ability to manage our growth effectively;
- our dependence on third party service providers; and
- the ability of our compliance and risk management methods to effectively monitor and manage our risks.

We caution you not to place undue reliance on the forward-looking statements, which speak only as of the date of this filing. We undertake no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.



Table of Contents

## PART I. FINANCIAL INFORMATION

## Item 1. Condensed Consolidated Financial Statements (Unaudited)

## CBOE Holdings, Inc. and Subsidiaries

## Condensed Consolidated Statements of Income

## Three and Nine Months Ended September 30, 2014 and 2013

| (in thousands, except per share amounts)                        | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |           |
|---|-------------------------------------|----------|------------------------------------|-----------|
|   | 2014                                | 2013     | 2014                               | 2013      |
|   | (unaudited)                         |          |                                    |           |
| Operating Revenues:   |                                     |          |                                    |           |
| Transaction fees  | \$104,311                           | \$92,954 | \$315,033                          | \$298,193 |
| Access fees   | 14,695                              | 15,029   | 44,802                             | 45,709    |
| Exchange services and other fees                                | 9,485                               | 9,213    | 28,652                             | 27,616    |
| Market data fees  | 7,764                               | 6,658    | 22,737                             | 17,924    |
| Regulatory fees   | 8,923                               | 8,937    | 28,524                             | 29,076    |
| Other revenue   | 3,732                               | 3,952    | 10,989                             | 11,702    |
| Total Operating Revenues  | 148,910                             | 136,743  | 450,737                            | 430,220   |
| Operating Expenses:   |                                     |          |                                    |           |
| Employee costs  | 28,698                              | 27,951   | 92,378                             | 90,025    |
| Depreciation and amortization                                   | 10,361                              | 8,476    | 28,860                             | 25,380    |
| Data processing   | 4,769                               | 4,552    | 14,273                             | 13,613    |
| Outside services  | 8,204                               | 7,938    | 23,437                             | 28,606    |
| Royalty fees  | 16,235                              | 13,844   | 46,844                             | 41,531    |
| Trading volume incentives                                       | 961                                 | 1,207    | 3,207                              | 3,128     |
| Travel and promotional expenses                                 | 1,885                               | 1,894    | 6,319                              | 6,552     |
| Facilities costs  | 1,373                               | 1,308    | 4,275                              | 3,808     |
| Other expenses  | 1,340                               | 1,146    | 4,305                              | 4,362     |
| Total Operating Expenses  | 73,826                              | 68,316   | 223,898                            | 217,005   |
| Operating Income  | 75,084                              | 68,427   | 226,839                            | 213,215   |
| Other Income/(Expense):   |                                     |          |                                    |           |
| Investment income   | 47                                  | 21       | 73                                 | 42        |
| Net loss from investment in affiliates                          | (318)                               | ) (538)  | ) (1,161)                          | ) (1,754) |
| Total Other Expense   | (271)                               | ) (517)  | ) (1,088)                          | ) (1,712) |
| Income Before Income Taxes                                      | 74,813                              | 67,910   | 225,751                            | 211,503   |
| Income tax provision  | 26,447                              | 26,554   | 85,379                             | 81,614    |
| Net Income  | 48,366                              | 41,356   | 140,372                            | 129,889   |
| Net income allocated to participating securities                | (220)                               | ) (401)  | ) (1,099)                          | ) (1,669) |
| Net Income Allocated to Common Stockholders                     | \$48,146                            | \$40,955 | \$139,273                          | \$128,220 |
| Net Income Per Share Allocated to Common Stockholders (Note 4): |                                     |          |                                    |           |
| Basic   | \$0.57                              | \$0.47   | \$1.62                             | \$1.47    |
| Diluted   | 0.57                                | 0.47     | 1.62                               | 1.47      |
| Weighted average shares used in computing income per share:     |                                     |          |                                    |           |
| Basic   | 85,051                              | 87,647   | 85,773                             | 87,421    |
| Diluted   | 85,051                              | 87,647   | 85,773                             | 87,421    |

See notes to condensed consolidated financial statements

5

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Table of Contents

CBOE Holdings, Inc. and Subsidiaries  
Condensed Consolidated Statements of Comprehensive Income  
Three and Nine Months Ended September 30, 2014 and 2013

| (in thousands)   | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |           |
|--|-------------------------------------|----------|------------------------------------|-----------|
|  | 2014<br>(unaudited)                 | 2013     | 2014                               | 2013      |
| Net Income   | \$48,366                            | \$41,356 | \$140,372                          | \$129,889 |
| Comprehensive Income (Loss) - net of tax:                  |                                     |          |                                    |           |
| Post-retirement benefit obligation                         | 4                                   | 18       | 342                                | (173 )    |
| Comprehensive Income                                       | 48,370                              | 41,374   | 140,714                            | 129,716   |
| Comprehensive income allocated to participating securities | (220 )                              | (401 )   | (1,099 )                           | (1,669 )  |
| Comprehensive Income allocated to common stockholders      | \$48,150                            | \$40,973 | \$139,615                          | \$128,047 |

See notes to condensed consolidated financial statements

Table of Contents

CBOE Holdings, Inc. and Subsidiaries  
 Condensed Consolidated Balance Sheets  
 September 30, 2014 and December 31, 2013

| (in thousands, except share amounts)   | September 30,<br>2014<br>(unaudited) | December 31,<br>2013 |
|--|--------------------------------------|----------------------|
| Assets   |                                      |                      |
| Current Assets:  |                                      |                      |
| Cash and cash equivalents  | \$126,519                            | \$221,341            |
| Accounts receivable—net allowances of \$273 and \$266  | 55,121                               | 49,888               |
| Marketing fee receivable   | 10,550                               | 8,869                |
| Income taxes receivable  | 22,340                               | 22,039               |
| Other prepaid expenses   | 7,529                                | 4,007                |
| Other current assets   | 667                                  | 2,717                |
| Total Current Assets   | 222,726                              | 308,861              |
| Investments in Affiliates  | 14,919                               | 14,581               |
| Land   | 4,914                                | 4,914                |
| Property and Equipment:  |                                      |                      |
| Construction in progress   | 24                                   | 23                   |
| Building   | 68,009                               | 65,448               |
| Furniture and equipment  | 284,706                              | 271,437              |
| Less accumulated depreciation and amortization   | (282,360)                            | (269,614)            |
| Total Property and Equipment—Net   | 70,379                               | 67,294               |
| Other Assets:  |                                      |                      |
| Software development work in progress  | 15,937                               | 7,853                |
| Data processing software and other assets (less accumulated amortization—2014, \$159,397; 2013, \$147,322)                                   | 38,211                               | 38,086               |
| Total Other Assets—Net   | 54,148                               | 45,939               |
| Total  | \$367,086                            | \$441,589            |
| Liabilities and Stockholders' Equity   |                                      |                      |
| Current Liabilities:   |                                      |                      |
| Accounts payable and accrued liabilities   | \$49,982                             | \$52,958             |
| Dividend payable   | —                                    | 43,831               |
| Marketing fee payable  | 11,063                               | 9,442                |
| Deferred revenue and other liabilities   | 7,211                                | 1,100                |
| Post-retirement benefit obligation - current   | 27                                   | 127                  |
| Total Current Liabilities  | 68,283                               | 107,458              |
| Long-term Liabilities:   |                                      |                      |
| Post-retirement benefit obligation - long-term   | 1,694                                | 2,110                |
| Income tax liability   | 35,136                               | 29,903               |
| Other long-term liabilities  | 4,082                                | 3,856                |
| Deferred income taxes  | 12,767                               | 13,745               |
| Total Long-term Liabilities  | 53,679                               | 49,614               |
| Commitments and Contingencies  |                                      |                      |
| Total Liabilities  | 121,962                              | 157,072              |
| Stockholders' Equity:  |                                      |                      |
| Preferred stock, \$0.01 par value: 20,000,000 shares authorized, no shares issued and outstanding at September 30, 2014 or December 31, 2013 | —                                    | —                    |
|  | 926                                  | 919                  |

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Unrestricted common stock, \$0.01 par value: 325,000,000 shares authorized;  
 92,568,403 issued and 84,603,437 outstanding at September 30, 2014; 91,845,492  
 issued and 86,770,737 outstanding at December 31, 2013

|  |           |              |
|--|-----------|--------------|
| Additional paid-in-capital   | 108,012   | 90,985       |
| Retained earnings  | 440,441   | 349,290      |
| Treasury stock at cost – 7,964,966 shares at September 30, 2014 and 5,074,755 shares<br>at December 31, 2013 | (303,547  | ) (155,627 ) |
| Accumulated other comprehensive loss   | (708      | ) (1,050 )   |
| Total Stockholders' Equity   | 245,124   | 284,517      |
| Total  | \$367,086 | \$441,589    |

See notes to condensed consolidated financial statements

7

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Table of ContentsCBOE Holdings, Inc. and Subsidiaries  
Condensed Consolidated Statement of Stockholders' Equity  
(Unaudited)

| (in thousands)  | Preferred<br>Stock | Unrestricted<br>Common<br>Stock | Additional<br>Paid-In<br>Capital | Retained<br>Earnings | Treasury<br>Stock | Accumulated<br>Other<br>Comprehensive<br>Loss | Total<br>Stockholders'<br>Equity |
|---|--------------------|---------------------------------|----------------------------------|----------------------|-------------------|---|----------------------------------|
| Balance—January 1, 2014   | \$—                | \$ 919                          | \$ 90,985                        | \$ 349,290           | \$(155,627)       | \$ (1,050)                                    | \$ 284,517                       |
| Cash dividends on<br>common stock   |                    |                                 |                                  | (49,221)             |                   |   | (49,221)                         |
| Stock-based<br>compensation   |                    |                                 | 13,480                           |                      |                   |   | 13,480                           |
| Excess tax benefits from<br>stock-based<br>compensation plan                                      |                    |                                 | 3,554                            |                      |                   |   | 3,554                            |
| Issuance of vested<br>restricted stock granted<br>to employees                                    |                    | 7                               | (7)                              |                      |                   |   | —                                |
| Purchase of unrestricted<br>common stock from<br>employees to fulfill<br>employee tax obligations |                    |                                 |                                  |                      | (8,319)           |   | (8,319)                          |
| Purchase of unrestricted<br>common stock under<br>announced program                               |                    |                                 |                                  |                      | (139,601)         |   | (139,601)                        |
| Net income  |                    |                                 |                                  | 140,372              |                   |   | 140,372                          |
| Post-retirement benefit<br>obligation adjustment—net<br>of tax                                    |                    |                                 |                                  |                      |                   | 342   | 342                              |
| Balance—September 30,<br>2014   | \$—                | \$ 926                          | \$ 108,012                       | \$ 440,441           | \$(303,547)       | \$ (708)                                      | \$ 245,124                       |

See notes to condensed consolidated financial statements

Table of Contents

CBOE Holdings, Inc. and Subsidiaries  
Condensed Consolidated Statements of Cash Flows  
Nine Months Ended September 30, 2014 and 2013

| (in thousands)   | Nine Months Ended     |                       |
|--|-----------------------|-----------------------|
|  | September 30,<br>2014 | September 30,<br>2013 |
|  | (unaudited)           |                       |
| Cash Flows from Operating Activities:  |                       |                       |
| Net income   | \$ 140,372            | \$ 129,889            |
| Adjustments to reconcile net income to net cash flows from operating activities: |                       |                       |
| Depreciation and amortization  | 28,860                | 25,380                |
| Other amortization   | 60                    | 86                    |
| Provision for deferred income taxes  | (1,192)               | (4,407)               |
| Stock-based compensation   | 13,480                | 16,867                |
| Loss on disposition of property  | 599                   | 3                     |
| Loss on investment in affiliate  | 1,161                 | 1,509                 |
| Impairment of investment in affiliate  | —                     | 245                   |
| Change in assets and liabilities:  |                       |                       |
| Accounts receivable  | (5,233)               | (4,466)               |
| Marketing fee receivable   | (1,681)               | (3,496)               |
| Income taxes receivable  | (301)                 | (4,723)               |
| Prepaid expenses   | (3,522)               | (2,463)               |
| Other current assets   | 2,050                 | (92)                  |
| Accounts payable and accrued expenses  | (3,759)               | (294)                 |
| Marketing fee payable  | 1,621                 | 3,443                 |
| Deferred revenue and other liabilities   | 6,337                 | 7,979                 |
| Post-retirement benefit obligations  | (20)                  | (27)                  |
| Income tax liability   | 5,234                 | 6,931                 |
| Net Cash Flows provided by Operating Activities                                  | 184,066               | 172,364               |
| Cash Flows from Investing Activities:  |                       |                       |
| Capital and other assets expenditures  | (39,974)              | (19,767)              |
| Investment in affiliates   | (1,499)               | (1,518)               |
| Other  | 3                     | 8                     |
| Net Cash Flows used in Investing Activities                                      | (41,470)              | (21,277)              |
| Cash Flows from Financing Activities:  |                       |                       |
| Payment of quarterly dividends   | (49,221)              | (42,549)              |
| Payment of special dividend  | (43,831)              | —                     |
| Excess tax benefit from stock-based compensation                                 | 3,554                 | 2,356                 |
| Purchase of unrestricted common stock from employees                             | (8,319)               | (6,136)               |
| Purchase of unrestricted common stock under announced program                    | (139,601)             | (13,977)              |
| Net Cash Flows used in Financing Activities                                      | (237,418)             | (60,306)              |
| Net Increase (Decrease) in Cash and Cash Equivalents                             | (94,822)              | 90,781                |
| Cash and Cash Equivalents at Beginning of Period                                 | 221,341               | 135,597               |
| Cash and Cash Equivalents at End of Period                                       | \$ 126,519            | \$ 226,378            |
| Supplemental Disclosure of Cash Flow Information                                 |                       |                       |
| Cash paid for income taxes   | \$ 78,336             | \$ 81,475             |
| Non-cash activities:   |                       |                       |
| Unpaid liability to acquire equipment and software                               | 3,831                 | 2,887                 |

See notes to condensed consolidated financial statements

9

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Table of Contents

CBOE HOLDINGS, INC. AND SUBSIDIARIES

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

For the three and nine months ended September 30, 2014 and 2013

(Unaudited)

NOTE 1 —DESCRIPTION OF BUSINESS

CBOE Holdings, Inc. is the holding company for Chicago Board Options Exchange, Incorporated, CBOE Futures Exchange, LLC, C2 Options Exchange, Incorporated and other subsidiaries.

The primary business of the Company is the operation of markets for the trading of listed, or exchange-traded, derivatives contracts on four broad product categories: 1) options on various market indexes (index options), 2) futures on the VIX Index and other products, 3) options on the stocks of individual corporations (equity options) and 4) options on other exchange-traded products (ETP options), such as exchange-traded funds (ETF options) and exchange-traded notes (ETN options).

The Company owns and operates three stand-alone exchanges, but reports the results of its operations in one reporting segment. CBOE is our primary options market and offers trading in listed options through a single system that integrates electronic trading and traditional open outcry trading on our trading floor in Chicago. This integration of electronic trading and traditional open outcry trading into a single exchange is known as our Hybrid trading model. CFE, our all-electronic futures exchange, offers trading of futures on the VIX Index and other products. C2 is our all-electronic exchange that also offers trading for listed options, but with a different market model and fee structure than CBOE. All of our exchanges operate on our proprietary technology platform known as CBOE Command.

Recent Accounting Pronouncements

In April 2014, the FASB issued ASU 2014-08, Reporting Discontinued Operations and Disclosures of Disposals of Components of an Entity, an amendment to FASB ASC Topic 205, Presentation of Financial Statements and FASB ASC Topic 360, Property, Plant and Equipment. The update revises the definition of discontinued operations by limiting discontinued operations reporting to disposals of components of an entity that represent strategic shifts that have (or will have) a major effect on an entity's operations and financial results, removing the lack of continuing involvement criteria and requiring discontinued operations reporting for the disposal of an equity method investment that meets the definition of discontinued operations. The update also requires expanded disclosures for discontinued operations, including disclosure of pretax profit or loss of an individually significant component of an entity that does not qualify for discontinued operations reporting. This ASU is effective prospectively for fiscal years, and interim periods within those years, beginning after December 15, 2014. The Company is in the process of evaluating this new guidance.

In May 2014, the FASB issued ASU 2014-09, Revenue from Contracts with Customers. This standard outlines a single comprehensive model for entities to use in accounting for revenue arising from contracts with customers and supersedes most current revenue recognition guidance, including industry-specific guidance. In addition, the ASU provides guidance on accounting for certain revenue-related costs including when to capitalize costs associated with obtaining and fulfilling a contract. ASU 2014-09 provides companies with two implementation methods. Companies can choose to apply the standard retrospectively to each prior reporting period presented (full retrospective application) or retrospectively with the cumulative effect of initially applying the standard as an adjustment to the opening balance of retained earnings of the annual reporting period that includes the date of initial application (modified retrospective application). This guidance is effective for annual reporting periods beginning after December 15, 2016, including interim periods within that reporting period. Early application is not permitted. The Company is in the process of evaluating this new guidance.

NOTE 2 — BASIS OF PRESENTATION

These interim unaudited condensed consolidated financial statements have been prepared in accordance with GAAP for interim financial information and with the instructions to Form 10-Q and should be read in conjunction with the consolidated financial statements and notes thereto contained in the Company's Annual Report on Form 10-K for the year ended December 31, 2013.

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosures of contingent assets and liabilities and reported amounts of operating revenues and expenses. On an ongoing basis, management evaluates its estimates, including

10

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Table of Contents

those related to matters that require a significant level of judgment or are otherwise subject to an inherent degree of uncertainty. These estimates are based on management's knowledge and judgments, historical experience and observance of trends, information available from outside sources and various other assumptions that are believed to be reasonable under the circumstances.

In the opinion of management, all adjustments (consisting of normal recurring adjustments) considered necessary for a fair presentation of financial position, results of operations and cash flows at the dates and for the periods presented have been included.

The results of operations for interim periods are not necessarily indicative of the results of operations for the full year.

**NOTE 3 — SHARE REPURCHASE PROGRAM**

In 2011, the board of directors approved an initial authorization for the Company to repurchase shares of its outstanding unrestricted common stock of \$100 million and approved additional authorizations in 2012 of \$100 million, in 2013 of \$100 million and in July 2014 of \$100 million. The program permits the Company to purchase shares through a variety of methods, including in the open market or through privately negotiated transactions, in accordance with applicable securities laws. It does not obligate the Company to make any repurchases at any specific time or situation.

Under the program, for the nine months ended September 30, 2014, the Company repurchased 2,725,746 shares of unrestricted common stock at an average cost per share of \$51.22, totaling \$139.6 million.

Since inception of the program through September 30, 2014, the Company has repurchased 7,365,570 shares of unrestricted common stock at an average cost per share of \$38.24, totaling \$281.6 million.

**NOTE 4 — NET INCOME PER COMMON SHARE**

The computation of basic net income allocated to common stockholders is calculated by reducing net income for the period by dividends paid or declared and undistributed net income for the period that are allocated to participating securities to arrive at net income allocated to common stockholders. Net income allocated to common stockholders is divided by the weighted average number of common shares outstanding during the period to determine net income per share allocated to common stockholders.

The computation of diluted earnings per share is calculated by dividing net income allocated to common stockholders by the sum of the weighted average number of common shares outstanding plus all additional common shares that would have been outstanding if the potentially dilutive common shares had been issued. The dilutive effect is calculated using the more dilutive of the two-class or treasury stock method.

The following table reconciles net income allocated to common stockholders and the number of shares used to calculate the basic and diluted net income per common share for the three and nine months ended September 30, 2014 and 2013:

Table of Contents

| (in thousands, except per share amounts)                     | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |           |
|--|-------------------------------------|----------|------------------------------------|-----------|
|  | 2014                                | 2013     | 2014                               | 2013      |
| Basic EPS Numerator:   |                                     |          |                                    |           |
| Net Income   | \$48,366                            | \$41,356 | \$140,372                          | \$129,889 |
| Less: Earnings allocated to participating securities         | (220                                | ) (401   | ) (1,099                           | ) (1,669  |
| Net Income allocated to common stockholders                  | \$48,146                            | \$40,955 | \$139,273                          | \$128,220 |
| Basic EPS Denominator:                                       |                                     |          |                                    |           |
| Weighted average shares outstanding                          | 85,051                              | 87,647   | 85,773                             | 87,421    |
| Basic net income per common share                            | \$0.57                              | \$0.47   | \$1.62                             | \$1.47    |
| Diluted EPS Numerator:                                       |                                     |          |                                    |           |
| Net Income   | \$48,366                            | \$41,356 | \$140,372                          | \$129,889 |
| Less: Earnings allocated to participating securities         | (220                                | ) (401   | ) (1,099                           | ) (1,669  |
| Net Income allocated to common stockholders                  | \$48,146                            | \$40,955 | \$139,273                          | \$128,220 |
| Diluted EPS Denominator:                                     |                                     |          |                                    |           |
| Weighted average shares outstanding                          | 85,051                              | 87,647   | 85,773                             | 87,421    |
| Dilutive common shares issued under restricted stock program | —                                   | —        | —                                  | —         |
| Diluted net income per common share                          | \$0.57                              | \$0.47   | \$1.62                             | \$1.47    |

For the periods presented, the Company did not have shares of restricted stock or restricted stock units that would have an anti-dilutive effect on the computation of diluted net income per common share.

**NOTE 5 — STOCK-BASED COMPENSATION**

Stock-based compensation is based on the fair value of the award on the date of grant, which is recognized over the related service period, net of estimated forfeitures. The service period is the period over which the related service is performed, which is generally the same as the vesting period.

On February 19, 2014, the Company granted 45,168 shares of restricted stock and 161,024 restricted stock units ("RSUs"), each of which entitles the holders to one share of common stock upon vesting, to certain officers and employees at a fair value of \$55.35 per share. The RSUs vest ratably over three years, with one-third vesting on each anniversary of the grant date, and vesting accelerates upon the occurrence of a change in control. Unvested restricted stock units will be forfeited if the officer or employee leaves the company prior to the applicable vesting date, except in limited circumstances. The restricted stock units have no voting rights but are able to participate in the payment of dividends.

In addition, on February 19, 2014, the Company granted 47,470 RSUs contingent on the achievement of performance conditions including 23,735 RSUs, at a fair value of \$55.35 per RSU, related to earnings per share during the performance period and 23,735 RSUs, at a fair value of \$77.00 per RSU, related to total shareholder return during the performance period. The Company used the Monte Carlo valuation model method to estimate the fair value of the total shareholder return RSUs which incorporated the following assumptions: risk free interest rate (0.69%), three-year volatility (24.8%) and three-year correlation with S&P 500 Index (0.56). Each of these performance shares has a performance condition under which the number of units ultimately awarded will vary from 0% to 200% of the original grant, with each unit representing the contingent right to receive one share of our common stock. The vesting period for the shares contingent on the achievement of performance is three years. For each of the performance awards, the restricted stock units will be settled in shares of our common stock following vesting of the restricted stock unit assuming that the participant has been continuously employed during the vesting period, subject to acceleration in the event of a change of control of the Company or in the event of a participant's earlier death, disability or qualified retirement. Participants shall have no voting rights with respect to shares until the issuance of

the shares of stock. Dividends are accrued by the Company and will be paid once the RSUs contingent on the achievement of performance conditions vest.

On May 22, 2014, the Company granted 18,240 shares of restricted stock, at a fair value of \$49.36 per share, to the non-employee members of the board of directors. The shares have a one-year vesting period and vesting accelerates upon the occurrence of a change in control of the Company. Unvested portions of the restricted stock will be forfeited if the director leaves the company prior to the applicable vesting date.

Table of Contents

For the three and nine months ended September 30, 2014 and 2013, the Company recognized \$2.1 million and \$3.9 million and \$13.5 million and \$16.9 million in stock-based compensation expense, respectively. The nine months ended September 30, 2014 and 2013 included \$2.5 million and \$4.0 million of accelerated stock-based compensation expense, respectively. The accelerated stock-based compensation expense, in 2014 and 2013, was primarily for certain executives due to provisions contained in their employment arrangements. Stock-based compensation expense is included in employee costs in the condensed consolidated statements of income.

As of September 30, 2014, the Company had unrecognized stock-based compensation of \$14.6 million. The remaining unrecognized stock-based compensation is expected to be recognized over a weighted average period of 23.7 months.

The activity in the Company's restricted stock and restricted stock units for the nine months ended September 30, 2014 was as follows:

|                                | Number of Shares | Weighted Average Grant-Date Fair Value |
|--------------------------------|------------------|--|
| Unvested at January 1, 2014    | 708,221          | \$33.41                                |
| Granted                        | 271,902          | 56.84                                  |
| Vested                         | (552,853)        | ) 50.89                                |
| Forfeited                      | (8,063)          | ) 40.40                                |
| Unvested at September 30, 2014 | 419,207          | \$34.80                                |

## NOTE 6 — INVESTMENTS IN AFFILIATES

At September 30, 2014 and December 31, 2013, the investments in affiliates were composed of the following (in thousands):

|  | September 30, 2014 | December 31, 2013 |
|--|--------------------|-------------------|
| Investment in OCC                          | \$333              | \$333             |
| Investment in Signal Trading Systems, LLC  | 11,468             | 11,130            |
| Investment in IPXI Holdings, LLC           | 3,118              | 3,118             |
| Investment in CBOE Stock Exchange, LLC (1) | —                  | —                 |
| Investments in Affiliates                  | \$14,919           | \$14,581          |

(1) CBOE Stock Exchange, LLC ceased trading operations on April 30, 2014.

Table of Contents

## NOTE 7 — ACCOUNTS PAYABLE AND ACCRUED LIABILITIES

At September 30, 2014 and December 31, 2013, accounts payable and accrued liabilities consisted of the following (in thousands):

|  | September 30,<br>2014 | December 31,<br>2013 |
|--|-----------------------|----------------------|
| Compensation and benefit-related liabilities (1) | \$ 18,857             | \$ 22,193            |
| Royalties  | 14,586                | 13,512               |
| Accounts payable                                 | 1,899                 | 4,219                |
| Purchase of unrestricted common stock (2)        | 2,089                 | 1,937                |
| Facilities                                       | 1,409                 | 1,824                |
| Legal  | 1,341                 | 1,602                |
| Market linkage                                   | 1,056                 | 1,157                |
| Other  | 8,745                 | 6,514                |
| Total  | \$ 49,982             | \$ 52,958            |

(1) The change in compensation and benefit-related liabilities is primarily the result of the payment of 2013 annual incentive compensation in the first quarter of 2014, partially offset by the accrual of 2014 annual compensation expense through the nine months ended September 30, 2014.

(2) Reflects shares purchased at the end of the period that are not settled until three trading days after the trade occurs.

## NOTE 8 — MARKETING FEE

CBOE facilitates the collection and payment of marketing fees assessed on certain trades taking place at CBOE. Funds resulting from the marketing fees are made available to Designated Primary Market Makers and Preferred Market Makers as an economic inducement to route orders to CBOE. Pursuant to ASC 605-45, Revenue Recognition—Principal Agent Considerations, the Company reflects the assessments and payments on a net basis, with no impact on revenues or expenses.

As of September 30, 2014 and December 31, 2013, amounts assessed by the Company on behalf of others included in current assets totaled \$10.6 million and \$8.9 million, respectively, and payments due to others included in current liabilities totaled \$11.1 million and \$9.4 million, respectively.

## NOTE 9 — DEFERRED REVENUE

The following table summarizes the activity in deferred revenue for the nine months ended September 30, 2014 (in thousands):

|                                      | Balance at<br>December 31,<br>2013 | Cash<br>Additions | Revenue<br>Recognition | Balance at<br>September 30,<br>2014 |
|--------------------------------------|------------------------------------|-------------------|------------------------|-------------------------------------|
| Other – net                          | \$ 1,100                           | \$ 9,017          | \$(7,106)              | ) \$ 3,011                          |
| Liquidity provider sliding scale (1) | —                                  | 15,800            | (11,600)               | ) 4,200                             |
| Total deferred revenue               | \$ 1,100                           | \$ 24,817         | \$(18,706)             | ) \$ 7,211                          |

(1) Liquidity providers are eligible to participate in the sliding scale program, which involves prepayment of transaction fees, and receive reduced fees based on the achievement of certain volume thresholds within a month. The

prepayment of 2014 transaction fees totaled \$15.8 million. This amount is amortized and recorded as transaction fees over the respective period.

Table of Contents

NOTE 10 — EMPLOYEE BENEFITS

Employees are eligible to participate in the Chicago Board Options Exchange SMART Plan (“SMART Plan”). The SMART Plan is a defined contribution plan, which is qualified under Internal Revenue Code Section 401(k). The Company contributed \$3.5 million and \$3.1 million to the SMART Plan for the nine months ended September 30, 2014 and 2013, respectively.

Eligible employees may participate in the Supplemental Employee Retirement Plan, Executive Retirement Plan and Deferred Compensation Plan. Each plan is a defined contribution plan that is non-qualified by Internal Revenue Code regulations. The Company contributed \$1.0 million and \$1.2 million to the above plans for the nine months ended September 30, 2014 and 2013, respectively.

The Company has a post-retirement medical plan for former members of senior management. The Company recorded immaterial post-retirement benefits expense for the nine months ended September 30, 2014 and 2013.

NOTE 11 — INCOME TAXES

For the three and nine months ended September 30, 2014 and 2013, the Company recorded income tax provisions of \$26.4 million and \$26.5 million and \$85.4 million and \$81.6 million, respectively. The effective tax rate for the nine months ended September 30, 2014 and 2013 was 37.8% and 38.6%, respectively. The decrease in the effective tax rate for the nine months ended September 30, 2014 primarily resulted from a reduction in the Company's tax provision as a result of a lower state apportionment versus prior estimates.

As of September 30, 2014 and December 31, 2013, the Company had \$30.2 million and \$26.7 million, respectively, of uncertain tax positions excluding interest and penalties, which, if recognized in the future, would affect the annual effective income tax rate. Reductions to uncertain tax positions primarily from the lapse of the applicable statutes of limitations during the next twelve months are estimated to be approximately \$16.1 million, not including any potential new additions.

Estimated interest costs and penalties, which are classified as part of the provision for income taxes in the Company's condensed consolidated statements of income, were \$0.7 million and \$1.0 million for the three months ended September 30, 2014 and 2013, respectively, and \$1.8 million and \$1.5 million for the nine months ended September 30, 2014 and 2013, respectively. Accrued interest and penalties were \$5.0 million and \$3.2 million as of September 30, 2014 and December 31, 2013, respectively.

The Company is subject to U.S. federal tax, Illinois, New Jersey, and New York state taxes and Washington, D.C. taxes, as well as taxes in other local jurisdictions. The Company has open tax years from 2007 on for New York, 2008 on for Federal, 2010 on for New Jersey, and 2011 on for Illinois and Washington, D.C. The Internal Revenue Service is currently auditing 2010 and is looking at specific line items from 2008 to 2012 due to the filing by the Company of amended returns containing the recognition of certain credits and deductions. The New York State Department of Taxation and Finance is currently auditing the 2007 through 2012 tax years. The New Jersey Division of Taxation is currently auditing the 2010 through 2012 tax years.

NOTE 12 — FAIR VALUE MEASUREMENTS

Fair value is the price that would be received upon sale of an asset or paid upon transfer of a liability in an orderly transaction between market participants at the measurement date and in the principal or most advantageous market for that asset or liability. The fair value should be calculated based on assumptions that market participants would use in pricing the asset or liability, not on assumptions specific to the entity. In addition, the fair value of liabilities should include consideration of non-performance risk, including the Company's own credit risk.

The Company applied FASB ASC 820, Fair Value Measurement and Disclosure (formerly, FASB Statement No. 157, Fair Value Measurements), which provides guidance for using fair value to measure assets and liabilities by defining fair value and establishing the framework for measuring fair value. ASC 820 applies to financial and non-financial instruments that are measured and reported on a fair value basis. The three-level hierarchy of fair value measurements is based on whether the inputs to those measurements are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the Company's market assumptions. The fair-value hierarchy requires the use of observable market data when available and consists of the following levels:

Level 1—Unadjusted inputs based on quoted markets for identical assets or liabilities.



Table of Contents

Level 2—Observable inputs, either direct or indirect, not including Level 1, corroborated by market data or based upon quoted prices in non-active markets.

Level 3—Unobservable inputs that reflect management's best assumptions of what market participants would use in valuing the asset or liability.

The Company has included a tabular disclosure for financial assets that are measured at fair value on a recurring basis in the condensed consolidated balance sheet as of September 30, 2014 and December 31, 2013. The Company holds no financial liabilities that are measured at fair value on a recurring basis.

| (amounts in thousands)                           | Level 1    | Level 2 | Level 3 | Total      |
|--|------------|---------|---------|------------|
| Assets at fair value:                            |            |         |         |            |
| Money market funds                               | \$ 120,000 | \$—     | \$—     | \$ 120,000 |
| Total assets at fair value at September 30, 2014 | \$ 120,000 | \$—     | \$—     | \$ 120,000 |

| (amounts in thousands)                          | Level 1    | Level 2 | Level 3 | Total      |
|---|------------|---------|---------|------------|
| Assets at fair value:                           |            |         |         |            |
| Money market funds                              | \$ 207,000 | \$—     | \$—     | \$ 207,000 |
| Total assets at fair value at December 31, 2013 | \$ 207,000 | \$—     | \$—     | \$ 207,000 |

The Company, through DerivaTech Corporation, a wholly-owned subsidiary, acquired about a 10.0% interest in IPXI Holdings, LLC ("IPXI") for \$2.5 million. The Company contributed an additional \$0.6 million in October 2013. The investment, measured at fair value on a non-recurring basis, is classified as Level 3 as the fair value was based on both observable and unobservable inputs.

## NOTE 13 — LEGAL PROCEEDINGS

As of September 30, 2014, the end of the period covered by this report, the Company was subject to various legal proceedings and claims, as well as certain other legal proceedings and claims that have not been fully resolved and that have arisen in the ordinary course of business. For a description of each of these proceedings, please see Note 11 to our consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2013.

The Company reviews its legal proceedings and claims, regulatory reviews and inspections and other legal proceedings on an ongoing basis and follows appropriate accounting guidance when making accrual and disclosure decisions. The Company establishes accruals for those contingencies where the incurrence of a loss is probable and can be reasonably estimated, and we disclose the amount accrued and the amount of a reasonably possible loss in excess of the amount accrued, if such disclosure is necessary for our financial statements to not be misleading. The Company does not record liabilities when the likelihood that the liability has been incurred is probable, but the amount cannot be reasonably estimated, or when the liability is believed to be only reasonably possible or remote. The Company's assessment of whether a loss is reasonably possible or probable is based on its assessment of the ultimate outcome of the matter following all appeals.

Estimates of probable losses resulting from patent litigation involving the Company are inherently difficult to make, particularly when the Company's view of the case is significantly different than that expressed by the plaintiff. The Company has not recorded a liability related to damages in connection with these matters.

As of September 30, 2014, the Company does not believe that there is a reasonable possibility that any material loss exceeding the amounts already recognized for these reviews, inspections or other legal proceedings, if any, has been

incurred. While the consequences of certain unresolved proceedings are not presently determinable, the outcome of any litigation is inherently uncertain and an adverse outcome from certain matters could have a material effect on our earnings in any given reporting period. However, in the opinion of management, the ultimate liability is not expected to have a material effect on our financial position, liquidity or capital resources.

The following information updates the legal proceedings disclosures in our Annual Report on Form 10-K for the year ended December 31, 2013 and our Quarterly Report on Form 10-Q for the quarters ended March 31, 2014 and June 30, 2014.

Table of Contents

City of Providence Litigation

On April 18, 2014, the City of Providence sued CBOE and C2, as well as other securities exchanges and a proposed defendant class of certain firms, in federal court in New York City on behalf of a proposed class of all public investors who bought or sold stock, at any time since April 18, 2009 alleging that the exchanges (i) participated in a scheme by which HFT firms allegedly defrauded U.S. public investors and manipulated the prices of stocks and (ii) failed to operate their stock markets in accordance with their duties under the Exchange Act.

On September 2, 2014, the plaintiffs filed a Consolidated Amended Complaint that did not name CBOE or C2 as defendants. As a result, CBOE and C2 are now deemed to have been dismissed as defendants, without prejudice.

NOTE 14 — SUBSEQUENT EVENTS

On October 29, 2014, the Company announced that its board of directors declared a quarterly cash dividend of \$0.21 per share. The dividend is payable December 19, 2014 to stockholders of record at the close of business on November 28, 2014.

Table of Contents

## CBOE HOLDINGS, INC. AND SUBSIDIARIES

## Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion should be read in conjunction with the accompanying unaudited condensed consolidated financial statements and the notes thereto, included in Item 1 in this Quarterly Report on Form 10-Q, and the audited consolidated financial statements in the Company's Annual Report on Form 10-K for the year ended December 31, 2013, and as contained in that report, the information under the heading "Management's Discussion and Analysis of Financial Condition and Results of Operations." This discussion contains forward-looking information. Please see "Forward-Looking Statements" for a discussion of the uncertainties, risks and assumptions associated with these statements.

## RESULTS OF OPERATIONS

Three months ended September 30, 2014 compared to the three months ended September 30, 2013

## Overview

The following summarizes changes in our financial performance for the three months ended September 30, 2014 compared to the same period in 2013.

|   | 2014                                    | 2013     | Inc./ (Dec.) | Percent Change |    |
|---|---|----------|--------------|----------------|----|
|   | (in millions, except per share amounts) |          |              |                |    |
| Total operating revenues                                      | \$ 148.9                                | \$ 136.7 | \$ 12.2      | 8.9            | %  |
| Total operating expenses                                      | 73.8                                    | 68.3     | 5.5          | 8.1            | %  |
| Operating income  | 75.1                                    | 68.4     | 6.7          | 9.7            | %  |
| Total other expense   | (0.3                                    | ) (0.5   | ) 0.2        | (47.6          | )% |
| Income before income taxes                                    | 74.8                                    | 67.9     | 6.9          | 10.2           | %  |
| Income tax provision  | 26.4                                    | 26.5     | (0.1         | ) (0.4         | )% |
| Net income  | \$48.4                                  | \$41.4   | \$7.0        | 16.9           | %  |
| Net income allocated to common stockholders                   | \$48.1                                  | \$41.0   | \$7.1        | 17.6           | %  |
| Operating income percentage                                   | 50.4                                    | % 50.0   | %            |                |    |
| Net income percentage   | 32.5                                    | % 30.3   | %            |                |    |
| Diluted net income per share allocated to common stockholders | \$0.57                                  | \$0.47   |              |                |    |

Total operating revenues increased primarily due to higher transaction fees, resulting from higher volume in index options and futures contracts, and higher market data fees.

Total operating expenses increased primarily due to higher employee costs, depreciation and amortization and royalty fees.

## Operating Revenues

Total operating revenues for the three months ended September 30, 2014 were \$148.9 million, an increase of \$12.2 million, or 8.9%, compared with the same period in 2013. The following summarizes changes in total operating revenues for the three months ended September 30, 2014 compared to the same period in 2013.



Table of Contents

|                                  | 2014    | 2013          | Inc./ (Dec.) | Percent Change |    |
|----------------------------------|---------|---------------|--------------|----------------|----|
|                                  |         | (in millions) |              |                |    |
| Transaction fees                 | \$104.3 | \$93.0        | \$11.3       | 12.2           | %  |
| Access fees                      | 14.7    | 15.0          | (0.3)        | (2.2)          | )% |
| Exchange services and other fees | 9.5     | 9.2           | 0.3          | 3.0            | %  |
| Market data fees                 | 7.8     | 6.7           | 1.1          | 16.6           | %  |
| Regulatory fees                  | 8.9     | 8.9           | —            | —              | %  |
| Other revenue                    | 3.7     | 3.9           | (0.2)        | (5.6)          | )% |
| Total operating revenues         | \$148.9 | \$136.7       | \$12.2       | 8.9            | %  |

## Transaction Fees

Transaction fees increased 12.2% to \$104.3 million for the three months ended September 30, 2014, compared with \$93.0 million for the same period in 2013. This increase was due to a 7.2% increase in total trading volume and an increase in average revenue per contract of 4.6%. The increase in average revenue per contract resulted primarily from a shift in the mix of products traded towards higher-margin index options and futures contracts. For the three months ended September 30, 2014, trading volume in SPX options, VIX options and VIX futures increased 10.2%, 6.0% and 34.9%, respectively, compared to the prior year period. Our highest average revenue per contract products, index options and futures contracts, accounted for 33.8% of trading volume during the third quarter of 2014 up from 33.1% in the third quarter of 2013.

Average revenue per contract, discussed in more detail below, is impacted by our fee structure, which includes volume based incentive programs, mix of products traded, the account type (customer, firm, market-maker, etc.) and the manner in which a trade is executed (electronic, open-outcry, etc.). The implementation of fee changes, which may increase or decrease our average revenue per contract, is primarily to ensure that we are competitive in the options marketplace and to ultimately improve and continue to drive order flow to our exchanges. We cannot predict the trading patterns of exchange participants, which may be based on factors outside our control, but we can attempt to price our products at levels that are competitive in our market.

Trading volume is impacted by many factors, including: macroeconomic events, market volatility, regulatory actions or considerations, availability of capital, competition, pricing, number of trading days in the period and seasonality.

The following summarizes transaction fees by product category for the three months ended September 30, 2014 compared to the same period in 2013.

|                                | 2014    | 2013          | Inc./ (Dec.) | Percent Change |   |
|--------------------------------|---------|---------------|--------------|----------------|---|
|                                |         | (in millions) |              |                |   |
| Equities                       | \$9.1   | \$8.7         | \$0.4        | 3.8            | % |
| Indexes                        | 64.2    | 59.1          | 5.1          | 8.7            | % |
| Exchange-traded products       | 10.4    | 10.4          | —            | 0.5            | % |
| Total options transaction fees | 83.7    | 78.2          | 5.5          | 7.0            | % |
| Futures                        | 20.6    | 14.8          | 5.8          | 39.4           | % |
| Total transaction fees         | \$104.3 | \$93.0        | \$11.3       | 12.2           | % |

## Trading Volume

Our average daily volume ("ADV") for the three months ended September 30, 2014 was 4.95 million contracts, up 7.2% compared with 4.62 million contracts for the same period in 2013. The Company experienced ADV increases across all product categories, with the largest percentage increase in futures contracts. Total trading days for the three months ended September 30, 2014 and 2013 were sixty-four.

The following summarizes changes in total trading volume and ADV by product category for the three months ended September 30, 2014 compared to the same period in 2013.

Table of Contents

|                             | 2014          |      | 2013   |      | Volume<br>Percent<br>Change | ADV<br>Percent<br>Change |   |
|-----------------------------|---------------|------|--------|------|-----------------------------|--------------------------|---|
|                             | Volume        | ADV  | Volume | ADV  |                             |                          |   |
|                             | (in millions) |      |        |      |                             |                          |   |
| Equities                    | 118.5         | 1.85 | 113.1  | 1.77 | 4.8                         | % 4.8                    | % |
| Indexes                     | 94.5          | 1.48 | 88.2   | 1.38 | 7.1                         | % 7.1                    | % |
| Exchange-traded<br>products | 91.2          | 1.42 | 84.6   | 1.32 | 7.9                         | % 7.9                    | % |
| Total options contracts     | 304.2         | 4.75 | 285.9  | 4.47 | 6.4                         | % 6.4                    | % |
| Futures                     | 12.7          | 0.20 | 9.5    | 0.15 | 33.8                        | % 33.8                   | % |
| Total contracts             | 316.9         | 4.95 | 295.4  | 4.62 | 7.2                         | % 7.2                    | % |

The following provides the percentage of volume by product category for the three months ended September 30, 2014 and 2013.

|                          | 2014  | 2013    |   |
|--------------------------|-------|---------|---|
| Equities                 | 37.4  | % 38.3  | % |
| Indexes                  | 29.8  | % 29.9  | % |
| Exchange-traded products | 28.8  | % 28.6  | % |
| Futures                  | 4.0   | % 3.2   | % |
| Total                    | 100.0 | % 100.0 | % |

## Average Revenue Per Contract

Average revenue per contract was \$0.329 for the three months ended September 30, 2014, an increase of 4.6% compared with \$0.315 for the same period in 2013. Average revenue per contract represents transaction fees divided by total contracts cleared.

The following summarizes average revenue per contract by product category for the three months ended September 30, 2014 compared to the same period in 2013.

|  | 2014    | 2013    | Percent<br>Change |    |
|--|---------|---------|-------------------|----|
| Equities                                   | \$0.077 | \$0.077 | —                 | %  |
| Indexes                                    | 0.680   | 0.669   | 1.5               | %  |
| Exchange-traded products                   | 0.115   | 0.123   | (6.8              | )% |
| Total options average revenue per contract | 0.275   | 0.273   | 0.6               | %  |
| Futures                                    | 1.625   | 1.559   | 4.2               | %  |
| Total average revenue per contract         | \$0.329 | \$0.315 | 4.6               | %  |

Factors contributing to the change in total average revenue per contract for the three months ended September 30, 2014 compared to the same period in 2013 include:

**Product Mix** — Average revenue per contract reflects a shift in the volume mix by product category. Index options and futures contracts accounted for 33.8% of total trading volume as compared to 33.1% in the prior year period. Index options and futures contracts generated total revenue per contract of \$0.680 and \$1.625, respectively, representing the Company's highest options average revenue per contract and highest average revenue per contract.

**Rate structure** — Our rate structure includes sliding scales, volume discounts, volume incentive programs and caps on fees as part of our effort to increase liquidity and market share in multiply-listed options. Average revenue





## Table of Contents

per contract on indexes and futures contracts increased 1.5% and 4.2%, respectively. The increase in average revenue per contract on indexes and futures contracts, was partially offset by lower average revenue per contract in exchange-traded products which decreased 6.8%. This decrease resulted primarily from higher volume-based incentives related to these products.

### Access Fees

Access fees for the three months ended September 30, 2014 and 2013 were \$14.7 million and \$15.0 million, respectively.

### Exchange Services and Other Fees

Exchange services and other fees for the three months ended September 30, 2014 increased to \$9.5 million from \$9.2 million for the same period in 2013.

### Market Data Fees

Market data fees for the three months ended September 30, 2014 increased to \$7.8 million from \$6.7 million for the same period in 2013. Market data fees represent income derived from OPRA as well as the Company's market data services, which for the three months ended September 30, 2014 totaled \$3.6 million and \$4.2 million, respectively, and for the same period in 2013, totaled \$3.6 million and \$3.1 million, respectively. Income derived from OPRA is allocated based on each exchange's share of total cleared options transactions. The Company's share of total cleared options transactions increased to 24.7% from 23.6%, for the same period in 2013. Despite the increase in market share in 2014, total distributable OPRA income decreased compared to the prior year period due to the allocation in 2013 of a membership fee from a new exchange that joined OPRA, resulting in comparable revenue period over period. Revenue generated from the Company's market data services, which provide current and historical options and futures data, increased \$1.1 million primarily due to an increase in subscribers and rates for certain market data services.

### Regulatory Fees

Regulatory fees for the three months ended September 30, 2014 and 2013 were \$8.9 million. Although regulatory fees were comparable period over period, there were variances in the revenue sources. The Company collects an options regulatory fee on all Trading Permit Holder customer volume industry-wide which increased compared to the prior period. The higher revenue attributed to volume was partially offset by CBOE and C2 lowering their respective options regulatory fee rates, as of August 1, 2014, and a decrease in regulatory fees received for other regulatory services, primarily related to CBOE Stock Exchange, LLC ("CBSX") which ceased trading operations on April 30, 2014.

The Company's regulatory fees are primarily based on the number of customer contracts traded by Trading Permit Holders throughout the listed United States options industry. Under the rules of each of our options exchanges, as required by the SEC, any revenue derived from regulatory fees and fines cannot be used for non-regulatory purposes.

The Company announced in September that it is in discussions with the Financial Industry Regulatory Authority ("FINRA") on a potential agreement for FINRA to provide certain regulatory services to the CBOE and C2 options markets. Negotiations are ongoing and any agreements are subject to approval by the Company's board of directors.

### Concentration of Revenue

At September 30, 2014, there were approximately one hundred Trading Permit Holders that are clearing members of OCC. Two clearing members accounted for 45% of transaction and other fees collected through the OCC for the three months ended September 30, 2014. The next largest clearing member accounted for approximately 11% of transaction and other fees collected through the OCC. No one Trading Permit Holder using the services of the top two clearing members represented more than 34% of transaction and other fees collected through the OCC, for the respective clearing member, in the three months ended September 30, 2014. Should a clearing member withdraw from CBOE, we believe the Trading Permit Holder portion of that clearing member's trading activity would likely transfer to another clearing member.

The two largest clearing members mentioned above clear the majority of the market-maker sides of transactions at CBOE, C2 and at all of the U.S. options exchanges. If either of these clearing members were to withdraw from the business of market-maker clearing and market-makers were unable to transfer to another clearing member, this could create significant disruption to the U.S. options markets, including ours.

Table of Contents

## Operating Expenses

Total operating expenses increased \$5.5 million, or 8.1%, to \$73.8 million for the three months ended September 30, 2014 from \$68.3 million for the same period in 2013. This increase was primarily due to higher employee costs, depreciation and amortization and royalty fees.

The following summarizes changes in operating expenses for the three months ended September 30, 2014 compared to the same period in 2013.

|                                 | 2014   | 2013          | Inc./(Dec.) | Percent Change |    |
|---------------------------------|--------|---------------|-------------|----------------|----|
|                                 |        | (in millions) |             |                |    |
| Employee costs                  | \$28.7 | \$28.0        | \$0.7       | 2.7            | %  |
| Depreciation and amortization   | 10.4   | 8.5           | 1.9         | 22.2           | %  |
| Data processing                 | 4.7    | 4.6           | 0.1         | 4.8            | %  |
| Outside services                | 8.2    | 7.9           | 0.3         | 3.4            | %  |
| Royalty fees                    | 16.2   | 13.8          | 2.4         | 17.3           | %  |
| Trading volume incentives       | 1.0    | 1.2           | (0.2)       | (20.4)         | )% |
| Travel and promotional expenses | 1.9    | 1.9           | —           | —              | %  |
| Facilities costs                | 1.4    | 1.3           | 0.1         | 5.0            | %  |
| Other expenses                  | 1.3    | 1.1           | 0.2         | 16.9           | %  |
| Total operating expenses        | \$73.8 | \$68.3        | \$5.5       | 8.1            | %  |

## Employee Costs

For the three months ended September 30, 2014, employee costs were \$28.7 million, or 19.3% of total operating revenues, compared with \$28.0 million, or 20.4% of total operating revenues, for the same period in 2013. This represented an increase of \$0.7 million, or 2.7%, from the prior period, which primarily resulted from higher severance, higher salaries, driven by annual pay adjustments, and increases in annual incentive compensation, which is aligned with the Company's performance targets, partially offset by lower stock-based compensation.

## Depreciation and Amortization

For the three months ended September 30, 2014, depreciation and amortization costs were \$10.4 million compared with \$8.5 million for the same period in 2013. This represented an increase of \$1.9 million, which primarily resulted from increased capital spending to harden and enhance our trading platform and operations.

## Outside Services

Expenses related to outside services were \$8.2 million for the three months ended September 30, 2014 from \$7.9 million for the same period in 2013. This represented an increase of \$0.3 million which primarily resulted from higher consulting fees, primarily for contract programmers and other professional services, partially offset by lower legal costs.

## Royalty Fees

Royalty fees for the three months ended September 30, 2014 were \$16.2 million compared with \$13.8 million for the same period in 2013. This represented an increase of \$2.4 million which primarily resulted from higher royalty fees

related to higher volume in licensed products, including index options and VIX futures, higher fees paid to market participants for order flow directed to our exchanges and higher fees associated with the dissemination of certain market data.

Table of Contents

## Operating Income

As a result of the items above, operating income for the three months ended September 30, 2014 was \$75.1 million compared to \$68.4 million for the same period in 2013, an increase of \$6.7 million.

## Income before Income Taxes

Income before income taxes for the three months ended September 30, 2014 was \$74.8 million compared to \$67.9 million for the same period in 2013, an increase of \$6.9 million.

## Income Tax Provision

For the three months ended September 30, 2014, the income tax provision was \$26.4 million compared to \$26.5 million for the same period in 2013. The effective tax rate was 35.4% and 39.1% for the three months ended September 30, 2014 and 2013, respectively. The decrease in the effective tax rate primarily resulted from a reduction in the Company's tax provision as a result of a lower state apportionment versus prior estimates.

## Net Income

As a result of the items above, net income allocated to common stockholders for the three months ended September 30, 2014 was \$48.1 million compared to \$41.0 million for the same period in 2013, an increase of \$7.1 million. Basic and diluted net income per share allocated to common stockholders were \$0.57 and \$0.47 for the three months ended September 30, 2014 and 2013, respectively.

Nine months ended September 30, 2014 compared to the nine months ended September 30, 2013

## Overview

The following summarizes changes in financial performance for the nine months ended September 30, 2014 compared to the same period in 2013.

|   | 2014                                    | 2013    | Inc./ (Dec.) | Percent Change |    |
|---|---|---------|--------------|----------------|----|
|   | (in millions, except per share amounts) |         |              |                |    |
| Total operating revenues                                      | \$450.7                                 | \$430.2 | \$20.5       | 4.8            | %  |
| Total operating expenses                                      | 223.9                                   | 217.0   | 6.9          | 3.2            | %  |
| Operating income  | 226.8                                   | 213.2   | 13.6         | 6.4            | %  |
| Total other expense   | (1.1                                    | ) (1.7  | ) 0.6        | (36.4          | )% |
| Income before income taxes                                    | 225.7                                   | 211.5   | 14.2         | 6.7            | %  |
| Income tax provision  | 85.4                                    | 81.6    | 3.8          | 4.6            | %  |
| Net income  | \$140.3                                 | \$129.9 | \$10.4       | 8.0            | %  |
| Net income allocated to common stockholders                   | \$139.3                                 | \$128.2 | \$11.1       | 8.6            | %  |
| Operating income percentage                                   | 50.3                                    | % 49.6  | %            |                |    |
| Net income percentage   | 31.1                                    | % 30.2  | %            |                |    |
| Diluted net income per share allocated to common stockholders | \$1.62                                  | \$1.47  |              |                |    |

¶ Total operating revenues increased primarily due to higher transaction fees and market data fees.

Total operating expenses increased primarily due to higher employee costs, depreciation and amortization and royalty fees, partially offset by lower outside services.

Table of Contents

The Company's market share of total exchange traded options contracts was 29.7% for the nine months ended September 30, 2014 compared with 27.5% for the same period in 2013.

## Operating Revenues

Total operating revenues for the nine months ended September 30, 2014 were \$450.7 million, an increase of \$20.5 million, or 4.8%, compared with the same period in 2013. The following summarizes changes in total operating revenues for the nine months ended September 30, 2014 compared to the same period in 2013.

|                                  | 2014    | 2013          | Inc./Dec.) | Percent Change |    |
|----------------------------------|---------|---------------|------------|----------------|----|
|                                  |         | (in millions) |            |                |    |
| Transaction fees                 | \$315.0 | \$298.2       | \$16.8     | 5.6            | %  |
| Access fees                      | 44.8    | 45.7          | (0.9)      | (2.0)          | )% |
| Exchange services and other fees | 28.7    | 27.6          | 1.1        | 3.8            | %  |
| Market data fees                 | 22.7    | 17.9          | 4.8        | 26.9           | %  |
| Regulatory fees                  | 28.5    | 29.1          | (0.6)      | (1.9)          | )% |
| Other revenue                    | 11.0    | 11.7          | (0.7)      | (6.1)          | )% |
| Total operating revenues         | 450.7   | \$430.2       | \$20.5     | 4.8            | %  |

## Transaction Fees

Transaction fees increased 5.6% to \$315.0 million for the nine months ended September 30, 2014, compared with \$298.2 million for the same period in 2013. This increase was primarily due to a 10.2% increase in total trading volume, partially offset by a 4.2% decrease in average revenue per contract. The Company experienced volume increases across all product categories. The volume increases in indexes and futures were driven by increases in VIX options and VIX futures of 13.7% and 18.0%, respectively. The decrease in average revenue per contract resulted from a shift in volume mix from our highest average revenue per contract options product, index options, to our lowest average revenue per contract product, equities. In addition to the shift in product mix, we also experienced an increase in volume-based incentives resulting primarily from higher relative volume for equities and exchange-traded products which are multiply-listed options. Transaction fees accounted for 69.9% and 69.3% of total operating revenues for the nine months ended September 30, 2014 and 2013, respectively.

The following summarizes transaction fees by product category for the nine months ended September 30, 2014 and 2013.

|                                | 2014    | 2013          | Inc./Dec.) | Percent Change |    |
|--------------------------------|---------|---------------|------------|----------------|----|
|                                |         | (in millions) |            |                |    |
| Equities                       | \$28.7  | \$31.5        | \$(2.8)    | (8.6)          | )% |
| Indexes                        | 197.7   | 186.1         | 11.6       | 6.2            | %  |
| Exchange-traded products       | 30.9    | 33.1          | (2.2)      | (6.8)          | )% |
| Total options transaction fees | 257.3   | 250.7         | 6.6        | 2.6            | %  |
| Futures                        | 57.7    | 47.5          | 10.2       | 21.5           | %  |
| Total transaction fees         | \$315.0 | \$298.2       | \$16.8     | 5.6            | %  |

## Trading Volume



Our average daily trading volume for the nine months ended September 30, 2014 was 5.13 million contracts, up 10.2% compared with 4.65 million for the same period in 2013. Total trading days for the nine months ended September 30, 2014 and 2013 were one hundred eighty-eight.

Table of Contents

The following summarizes changes in total trading volume and ADV by product category for the nine months ended September 30, 2014 compared to the same period in 2013.

|                             | 2014   |               | 2013   |      | Volume<br>Percent<br>Change | ADV<br>Percent<br>Change |   |
|-----------------------------|--------|---------------|--------|------|-----------------------------|--------------------------|---|
|                             | Volume | ADV           | Volume | ADV  |                             |                          |   |
|                             |        |               |        |      |                             |                          |   |
|                             |        | (in millions) |        |      |                             |                          |   |
| Equities                    | 364.4  | 1.94          | 311.4  | 1.66 | 17.0                        | % 17.0                   | % |
| Indexes                     | 293.9  | 1.56          | 277.1  | 1.47 | 6.1                         | % 6.1                    | % |
| Exchange-traded<br>products | 270.4  | 1.44          | 256.0  | 1.36 | 5.6                         | % 5.6                    | % |
| Total options contracts     | 928.7  | 4.94          | 844.5  | 4.49 | 10.0                        | % 10.0                   | % |
| Futures                     | 35.5   | 0.19          | 30.2   | 0.16 | 17.4                        | % 17.4                   | % |
| Total contracts             | 964.2  | 5.13          | 874.7  | 4.65 | 10.2                        | % 10.2                   | % |

The following provides the percentage of volume by product category for the nine months ended September 30, 2014 and 2013.

|                          | 2014  | 2013    |   |
|--------------------------|-------|---------|---|
| Equities                 | 37.8  | % 35.6  | % |
| Indexes                  | 30.5  | % 31.7  | % |
| Exchange-traded products | 28.0  | % 29.3  | % |
| Futures                  | 3.7   | % 3.4   | % |
| Total                    | 100.0 | % 100.0 | % |

## Average Revenue Per Contract

Average revenue per contract was \$0.327 for the nine months ended September 30, 2014, a decrease of 4.2% compared with \$0.341 for the same period in 2013. The following summarizes average revenue per contract by product category for the nine months ended September 30, 2014 compared to the same period in 2013.

|  | 2014    | 2013    | Percent<br>Change |    |
|--|---------|---------|-------------------|----|
| Equities                                   | \$0.079 | \$0.101 | (21.9             | )% |
| Indexes                                    | 0.673   | 0.672   | 0.1               | %  |
| Exchange-traded products                   | 0.114   | 0.129   | (11.8             | )% |
| Total options average revenue per contract | 0.277   | 0.297   | (6.7              | )% |
| Futures                                    | 1.626   | 1.571   | 3.5               | %  |
| Total average revenue per contract         | \$0.327 | \$0.341 | (4.2              | )% |

Factors contributing to the change in total average revenue per contract for the nine months ended September 30, 2014 compared to the same period in 2013, include:

• **Product mix** — Average revenue per contract reflects a shift in the volume mix by product category. Index options accounted for 30.5% of total trading volume, respectively, as compared to 31.7% in the prior year period.

• **Rate structure** — Our rate structure includes sliding scales, volume discounts, volume incentive programs and caps on fees as part of our effort to increase liquidity and market share in multiply-listed options. Average revenue per contract on multiply-listed options (equities and exchange-traded products) decreased 21.9% and 11.8%, respectively.

These decreases resulted primarily from increases in volume-based incentives for these products.

Table of Contents

## Access Fees

Access fees for the nine months ended September 30, 2014 and 2013 were \$44.8 million and \$45.7 million, respectively. The decrease in access fees was primarily due to the implementation of incentive programs for market-maker trading permits and floor brokers implemented in May 2013.

## Exchange Services and Other Fees

Exchange services and other fees for the nine months ended September 30, 2014 increased to \$28.7 million from \$27.6 million for the same period in 2013. The increase was primarily due to increased demand for technology services, terminal and other equipment rentals and certain services impacted by trading volume.

## Market Data Fees

Market data fees for the nine months ended September 30, 2014 increased to \$22.7 million from \$17.9 million for the same period in 2013. Income derived from OPRA and the Company's market data services for the nine months ended September 30, 2014 and 2013 was \$11.2 million and \$11.5 million and \$9.3 million and \$8.6 million, respectively. The Company's share of income derived from OPRA for the nine months ended September 30, 2014 increased to 24.5% from 21.2% for the same period in 2013 resulting in higher income from OPRA of \$1.9 million. Revenue generated from the Company's market data services increased \$2.9 million resulting from an increase in subscribers and fees for certain market data services.

## Regulatory Fees

Regulatory fees for the nine months ended September 30, 2014 decreased to \$28.5 million from \$29.1 million for the same period in 2013. The decrease is primarily the result of a reduction in regulatory fees received for regulatory services provided to CBSX, which ceased trading operations on April 30, 2014.

## Operating Expenses

Total operating expenses were \$223.9 million and \$217.0 million for the nine months ended September 30, 2014 and 2013, respectively. This increase was primarily due to higher employee costs, depreciation and amortization and royalty fees, partially offset by lower outside services. As a percentage of operating revenues for the nine months ended September 30, 2014 and 2013, operating expenses were 49.7% and 50.4%, respectively.

The following summarizes changes in operating expenses for the nine months ended September 30, 2014 compared to the same period in 2013.

|                                 | 2014   | 2013          | Inc./ (Dec.) | Percent Change |    |
|---------------------------------|--------|---------------|--------------|----------------|----|
|                                 |        | (in millions) |              |                |    |
| Employee costs                  | \$92.4 | \$90.0        | \$2.4        | 2.6            | %  |
| Depreciation and amortization   | 28.9   | 25.4          | 3.5          | 13.7           | %  |
| Data processing                 | 14.3   | 13.6          | 0.7          | 4.8            | %  |
| Outside services                | 23.4   | 28.6          | (5.2)        | (18.1)         | )% |
| Royalty fees                    | 46.8   | 41.5          | 5.3          | 12.8           | %  |
| Trading volume incentives       | 3.2    | 3.1           | 0.1          | 2.5            | %  |
| Travel and promotional expenses | 6.3    | 6.6           | (0.3)        | (3.6)          | )% |
| Facilities costs                | 4.3    | 3.8           | 0.5          | 12.3           | %  |
| Other expenses                  | 4.3    | 4.4           | (0.1)        | (1.3)          | )% |

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|                          |         |         |       |     |   |
|--------------------------|---------|---------|-------|-----|---|
| Total operating expenses | \$223.9 | \$217.0 | \$6.9 | 3.2 | % |
|--------------------------|---------|---------|-------|-----|---|

26

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## Table of Contents

### Employee Costs

For the nine months ended September 30, 2014, employee costs were \$92.4 million, or 20.5% of total operating revenues, compared with \$90.0 million, or 20.9% of total operating revenues, for the same period in 2013. This represented an increase of \$2.4 million which primarily resulted from higher salaries, payroll taxes and annual incentive compensation, partially offset by lower stock-based compensation expense.

### Depreciation and Amortization

For the nine months ended September 30, 2014, depreciation and amortization costs were \$28.9 million compared with \$25.4 million for the same period in 2013. This represented an increase of \$3.5 million which primarily resulted from increased capital spending to harden and enhance our trading platform and operations.

### Outside Services

Expenses related to outside services decreased to \$23.4 million for the nine months ended September 30, 2014 from \$28.6 million in the prior-year period. This represented a decrease of \$5.2 million which primarily resulted from lower legal costs, partially offset by higher costs for contract programmers.

### Royalty Fees

Royalty fees for the nine months ended September 30, 2014 were \$46.8 million compared with \$41.5 million for the same period in 2013. This represented an increase of \$5.3 million which primarily resulted from higher trading volume in licensed index products and an increase in royalty rates as a result of the amendment the Company executed with S&P OPCO LLC, effective as of March 2013, relating to the Company's license to trade options and futures and create products based on certain S&P indices and higher fees associated with dissemination of certain market data.

### Operating Income

As a result of the items above, operating income for the nine months ended September 30, 2014 was \$226.8 million compared to \$213.2 million for the same period in 2013, an increase of \$13.6 million.

### Income before Income Taxes

Income before income taxes for the nine months ended September 30, 2014 and 2013 was \$225.7 million and \$211.5 million, respectively, resulting in an increase of \$14.2 million.

### Income Tax Provision

For the nine months ended September 30, 2014, the income tax provision was \$85.4 million compared to \$81.6 million for the same period in 2013. The effective tax rate was 37.8% and 38.6% for the nine months ended September 30, 2014 and 2013, respectively. The decrease in the effective tax rate for the nine months ended September 30, 2014 primarily resulted from a reduction in the Company's tax provision as a result of a lower state apportionment versus prior estimates.

### Net Income

As a result of the items above, net income allocated to common stockholders for the nine months ended September 30, 2014 was \$139.3 million compared to \$128.2 million for the same period in 2013, an increase of \$11.1 million. Basic

and diluted net income per share allocated to common stockholders were \$1.62 and \$1.47 for the nine months ended September 30, 2014 and 2013, respectively.

Table of Contents

LIQUIDITY AND CAPITAL RESOURCES

As of September 30, 2014, the Company had \$126.5 million of cash and cash equivalents, a decrease from \$221.3 million as of December 31, 2013. Historically, we have financed our operations, capital expenditures and other cash needs through cash generated from operations. Cash requirements principally consist of funding operating expenses, capital expenditures, actual and anticipated quarterly dividend payments and common stock repurchases under the announced program. We expect our cash on hand at September 30, 2014 and funds generated from operations to be sufficient to continue to meet our 2014 cash requirements. From time to time, we consider the possibility of acquisitions, dispositions and strategic alliances that we believe would strengthen our business in the long-term; however, if consummated these transactions may negatively impact our liquidity in the short-term.

Cash Flows

Operating Activities

Net cash flows provided by operating activities totaled \$184.1 million and \$172.4 million for the nine months ended September 30, 2014 and 2013, respectively. The increase in net cash flows provided by operating activities was primarily due to higher net income as compared to the prior year period.

Net cash flows provided by operating activities was \$43.7 million higher than net income for the nine months ended September 30, 2014. The difference was mainly a result of \$28.9 million in depreciation and amortization and the recognition of stock-based compensation totaling \$13.5 million.

Investing Activities

Net cash flows used in investing activities totaled \$41.5 million and \$21.3 million for the nine months ended September 30, 2014 and 2013, respectively. Expenditures for capital and other assets totaled \$40.0 million and \$19.8 million for the nine months ended September 30, 2014 and 2013, respectively, primarily representing purchases of systems hardware and development of software to harden and enhance our trading platform and operations.

Financing Activities

Net cash flows used in financing activities totaled \$237.4 million and \$60.3 million for the nine months ended September 30, 2014 and 2013, respectively. The \$177.1 million increase in net cash flows used in financing activities in 2014 was primarily due to the payment of a special dividend totaling \$43.8 million and repurchases of unrestricted common stock by the Company under the Company's share repurchase program totaling \$139.6 million.

Dividends

The Company's expectation is to continue to pay dividends. The decision to pay a dividend, however, remains within the discretion of our board of directors and may be affected by various factors, including our earnings, financial condition, capital requirements, level of indebtedness and other considerations our board of directors deems relevant. Future debt obligations and statutory provisions, among other things, may limit, or in some cases prohibit, our ability to pay dividends.

Share Repurchase Program

In 2011, the board of directors approved an initial authorization for the Company to repurchase shares of its outstanding unrestricted common stock of \$100 million and approved additional authorizations in 2012 of \$100 million, in 2013 of \$100 million and in July 2014 of \$100 million. The program permits the Company to purchase shares through a variety of methods, including in the open market or through privately negotiated transactions, in



accordance with applicable securities laws. It does not obligate the Company to make any repurchases at any specific time or situation.

Under the program, for the nine months ended September 30, 2014, the Company repurchased 2,725,746 shares of unrestricted common stock at an average cost per share of \$51.22, totaling \$139.6 million.

Since inception of the program through September 30, 2014, the Company has repurchased 7,365,570 shares of unrestricted common stock at an average cost per share of \$38.24, totaling \$281.6 million.

Table of Contents

Item 3. Quantitative and Qualitative Disclosures about Market Risk

We are subject to certain market risks, including changes in interest rates and inflation. There have been no material changes in our market risk from those disclosed in our Annual Report on Form 10-K for the year ended December 31, 2013.

Item 4. Controls and Procedures

Disclosure Controls and Procedures

The Company's management, with the participation of its Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of the Company's disclosure controls and procedures (as defined in Rule 13a-15(e) and Rule 15d-15(e) under the Securities Exchange Act of 1934 (the "Exchange Act")) as of the end of the period covered by this report. Based upon that evaluation, the Company's Chief Executive Officer and Chief Financial Officer have concluded that, as of the end of such period, the Company's disclosure controls and procedures are effective.

Changes in Internal Control Over Financial Reporting

There were no changes in the Company's internal control over financial reporting that occurred during the three months ended September 30, 2014 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Table of Contents

PART II. OTHER INFORMATION

Item 1. Legal Proceedings

The following information updates the legal proceedings disclosures in our Annual Report on Form 10-K for the year ended December 31, 2013 and our Quarterly Report on Form 10-Q for the quarters ended March 31, 2014 and June 30, 2014.

City of Providence Litigation

On April 18, 2014, the City of Providence sued CBOE and C2, as well as other securities exchanges and a proposed defendant class of certain firms, in federal court in New York City on behalf of a proposed class of all public investors who bought or sold stock, at any time since April 18, 2009 alleging that the exchanges (i) participated in a scheme by which HFT firms allegedly defrauded U.S. public investors and manipulated the prices of stocks and (ii) failed to operate their stock markets in accordance with their duties under the Exchange Act.

On September 2, 2014, the plaintiffs filed a Consolidated Amended Complaint that did not name CBOE or C2 as defendants. As a result, CBOE and C2 are now deemed to have been dismissed as defendants, without prejudice.

Item 1A. Risk Factors

Other than the risk factor listed below, there have been no material updates to the Risk Factors as set forth in Item 1A. of our Annual Report on Form 10-K for the year ended December 31, 2013.

Legislative or regulatory changes affecting the listed options market could have a material adverse effect on our business.

Changes in regulation by the SEC, CFTC or other government action, including SEC approval of rule filings by other SROs or entities, including OCC, could materially affect our markets. In recent years, the securities and futures industries have been subject to significant regulatory changes as a result of increasing government and public scrutiny in response to the global economic crisis.

In 2010, Congress passed the Dodd-Frank Act and other legislation. While many of its requirements are in the process of being implemented, some of the provisions in Dodd-Frank that impact our markets require additional action by the SEC or the CFTC. Depending on how the SEC and CFTC interpret and implement these laws, exchanges like ours could be subject to increased competition and additional costs. We could also see reduced trading by our customers due to margin or other requirements placed on them.

Under the Collins Amendment to the Dodd-Frank Act, starting in 2015, U.S. banks will be required to use a new approach in order to compute their risk weighted assets, which include exchange-traded options and futures. This is expected to increase the capital requirements for U.S. bank holding companies, and bank subsidiaries involved in the trading and clearing of derivatives. These increased capital requirements may cause bank-affiliated broker-dealers to reduce their trading in, or charge their customers more to trade, our options and futures.

In 2012, the SEC directed the self-regulatory agencies to submit a plan to create, implement and maintain a consolidated audit trail, which would serve as a comprehensive audit trail of orders that will allow regulators to efficiently and accurately track all activity in Regulation NMS securities in the U.S. market. In addition to increased regulatory obligations, implementation of a consolidated audit trail could result in significant additional expenditures, including to implement any new technology to meet any plan's requirements. The SEC has also proposed Regulation Systems Compliance and Integrity ("Reg SCI") and has established working groups of exchanges to focus on

improving market resiliency. The adoption of Reg SCI or other regulations or mandates generated by these working groups could result in significant additional expenses, including for technology and compliance. It is also possible that there will be additional legislative and regulatory changes or efforts in the environment in which we operate our businesses, including in response to recent incidents that have disrupted operations on exchanges, although we cannot predict the nature of these changes or their impact on our business at this time. Actions on any of the specific regulatory issues currently under review in the U.S. and other proposals could have a material impact on our business. For a discussion of the regulatory environment in which we operate and proposed regulatory changes, see "Business-Regulatory Environment and Compliance" in our Annual Report on Form 10-K for the year ended December 31, 2013.

Table of Contents

In addition, Congress, the SEC and other regulatory authorities could impose legislative or regulatory changes that could adversely impact the ability of our market participants to use our markets, or participate in the options or futures industry at all. Any such changes could result in the loss of a significant number of market participants or a reduction in trading activity on our markets, any of which could have a material adverse effect on our business. Changes or proposed changes in regulation may also result in additional costs of compliance and modification of market participants' trading activity on our exchanges.

## Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

(c) The table below shows the purchases of equity securities by the Company in the three months ended September 30, 2014, reflecting the purchase of unrestricted common stock under the Company's share repurchase program:

| Period                                 | Total Number of Shares Purchased | Average Price Paid per Share | Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs | Approximate Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (1) |
|--|----------------------------------|------------------------------|--|--|
| July 1, 2014 – July 31, 2014           | 423,300                          | \$48.24                      | 423,300  | \$149,285,625  |
| August 1, 2014 – August 31, 2014       | 328,600                          | 50.98                        | 328,600  | 132,532,959  |
| September 1, 2014 – September 30, 2014 | 261,800                          | 54.08                        | 261,800  | 118,375,464  |
| Totals                                 | 1,013,700                        | \$50.64                      | 1,013,700  |  |

(1) In 2011, the board of directors approved an initial authorization for the Company to repurchase shares of its outstanding unrestricted common stock of \$100 million and approved additional authorizations in 2012 of \$100 million, in 2013 of \$100 million and in July 2014 of \$100 million. The program permits the Company to purchase shares through a variety of methods, including in the open market or through privately negotiated transactions, in accordance with applicable securities laws. It does not obligate the Company to make any repurchases at any specific time or situation.

The Company purchased 548 shares of unrestricted common stock at an average price of \$51.11 in the three months ended September 30, 2014 to satisfy employees' tax obligations upon the vesting of restricted stock. These purchases were not part of the publicly announced repurchase program.

## Item 3. Defaults Upon Senior Securities

None.

## Item 4. Mine Safety Disclosures

None.

## Item 5. Other Information

None.

Item 6. Exhibits

The exhibits to this Report are listed in the Exhibit Index included elsewhere herein.

31

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Table of Contents

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CBOE HOLDINGS, INC.  
Registrant

By: /s/ Edward T. Tilly  
Edward T. Tilly  
Chief Executive Officer (Principal Executive  
Officer)

Date: November 4, 2014

By: /s/ Alan J. Dean  
Alan J. Dean  
Executive Vice President and Chief Financial  
Officer (Principal Financial Officer)

Date: November 4, 2014

Table of Contents

CBOE Holdings, Inc.  
Form 10-Q  
Exhibit Index

| Exhibit No. | Description  |
|-------------|--|
| 31.1        | Certification of Chief Executive Officer pursuant to Rule 13a-14 (Filed herewith).   |
| 31.2        | Certification of Chief Financial Officer pursuant to Rule 13a-14 (Filed herewith).   |
| 32.1        | Certificate of Chief Executive Officer pursuant to Rule 13a-14(b) and Section 1350 of Chapter 63 of Title 18 of the United States Code (Filed herewith). |
| 32.2        | Certificate of Chief Financial Officer pursuant to Rule 13a-14(b) and Section 1350 of Chapter 63 of Title 18 of the United States Code (Filed herewith). |
| 101.INS     | XBRL Instance Document (Filed herewith)  |
| 101.SCH     | XBRL Taxonomy Extension Schema Document (Filed herewith).  |
| 101.CAL     | XBRL Taxonomy Extension Calculation Linkbase Document (Filed herewith).  |
| 101.DEF     | XBRL Taxonomy Extension Definition Linkbase (Filed herewith).  |
| 101.LAB     | XBRL Taxonomy Extension Label Linkbase Document (Filed herewith).  |
| 101.PRE     | XBRL Taxonomy Extension Presentation Linkbase Document (Filed herewith).   |