
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 10-Q

(Mark One)

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

For the Quarterly Period Ended March 31, 2017
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 Number 000-23554

INTL FCStone Inc.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

59-2921318
(I.R.S. Employer
Identification No.)

708 Third Avenue, Suite 1500
New York, NY 10017
(Address of principal executive offices) (Zip Code)
(212) 485-3500
(Registrant's telephone number, including area code)

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 smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input checked="" type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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

As of May 8, 2017, there were 18,677,176 shares of the registrant's common stock outstanding.

INTL FCStone Inc.
Quarterly Report on Form 10-Q for the Quarterly Period Ended March 31, 2017
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PART I. FINANCIAL INFORMATION
Item 1. Financial Statements

INTL FCStone Inc.
Condensed Consolidated Balance Sheets
(Unaudited)

(in millions, except par value and share amounts)	March 31, 2017	September 30, 2016
ASSETS		
Cash and cash equivalents	\$ 296.3	\$ 316.2
Cash, securities and other assets segregated under federal and other regulations (including \$247.6 and \$618.8 at fair value at March 31, 2017 and September 30, 2016, respectively)	1,085.5	1,136.3
Securities purchased under agreements to resell	738.8	609.6
Securities borrowed	73.6	—
Deposits with and receivables from:		
Exchange-clearing organizations (including \$636.5 and \$868.5 at fair value at March 31, 2017 and September 30, 2016, respectively)	1,679.4	1,524.4
Broker-dealers, clearing organizations and counterparties (including \$34.7 and \$(15.2) at fair value at March 31, 2017 and September 30, 2016, respectively)	170.3	237.0
Receivables from customers, net	204.0	194.5
Notes receivable, net	11.0	18.9
Income taxes receivable	0.8	1.1
Financial instruments owned, at fair value (includes securities pledged as collateral that can be sold or repledged of \$324.6 and \$47.2 at March 31, 2017 and September 30, 2016, respectively)	1,906.7	1,606.1
Physical commodities inventory (including \$117.8 and \$71.2 at fair value at March 31, 2017 and September 30, 2016, respectively)	181.7	123.8
Deferred income taxes, net	38.1	34.5
Property and equipment, net	32.4	29.4
Goodwill and intangible assets, net	61.2	56.6
Other assets	48.8	61.9
Total assets	<u>\$ 6,528.6</u>	<u>\$ 5,950.3</u>
LIABILITIES AND STOCKHOLDERS' EQUITY		
Liabilities:		
Accounts payable and other accrued liabilities (including \$0.9 and \$0.8 at fair value at March 31, 2017 and September 30, 2016, respectively)	\$ 147.4	\$ 161.3
Payables to:		
Customers	2,855.5	2,854.2
Broker-dealers, clearing organizations and counterparties (including \$9.8 and \$3.5 at fair value at March 31, 2017 and September 30, 2016, respectively)	178.2	260.1
Lenders under loans	263.4	182.8
Senior unsecured notes	—	44.5
Income taxes payable	7.9	7.1
Securities sold under agreements to repurchase	1,431.9	1,167.1
Securities loaned	107.4	—
Financial instruments sold, not yet purchased, at fair value	1,081.2	839.4
Total liabilities	<u>6,072.9</u>	<u>5,516.5</u>
Commitments and contingencies (Note 11)		
Stockholders' Equity:		
Preferred stock, \$0.01 par value. Authorized 1,000,000 shares; no shares issued or outstanding	—	—
Common stock, \$0.01 par value. Authorized 30,000,000 shares; 20,781,686 issued and 18,659,729 outstanding at March 31, 2017 and 20,557,175 issued and 18,435,218 outstanding at September 30, 2016	0.2	0.2
Common stock in treasury, at cost - 2,121,957 shares at March 31, 2017 and September 30, 2016	(46.3)	(46.3)
Additional paid-in capital	254.2	249.4
Retained earnings	272.4	255.1
Accumulated other comprehensive loss, net	(24.8)	(24.6)
Total stockholders' equity	<u>455.7</u>	<u>433.8</u>
Total liabilities and stockholders' equity	<u>\$ 6,528.6</u>	<u>\$ 5,950.3</u>

See accompanying notes to condensed consolidated financial statements.

INTL FCStone Inc.
Condensed Consolidated Income Statements
(Unaudited)

(in millions, except share and per share amounts)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Revenues:				
Sales of physical commodities	\$ 5,273.3	\$ 3,548.0	\$ 11,169.3	\$ 6,800.6
Trading gains, net	84.0	80.7	167.0	160.4
Commission and clearing fees	70.3	52.1	139.5	101.2
Consulting and management fees	15.5	9.6	31.2	19.3
Interest income	17.7	18.5	28.1	27.2
Other income	—	—	0.1	0.1
Total revenues	5,460.8	3,708.9	11,535.2	7,108.8
Cost of sales of physical commodities	5,265.0	3,542.8	11,153.9	6,791.4
Operating revenues	195.8	166.1	381.3	317.4
Transaction-based clearing expenses	33.7	32.9	67.3	62.7
Introducing broker commissions	28.2	13.2	56.9	26.0
Interest expense	10.0	7.1	18.9	13.1
Net operating revenues	123.9	112.9	238.2	215.6
Compensation and other expenses:				
Compensation and benefits	76.6	65.2	147.2	128.3
Communication and data services	9.7	7.3	19.8	15.2
Occupancy and equipment rental	3.8	3.2	7.2	6.5
Professional fees	3.4	2.7	8.2	5.6
Travel and business development	3.0	2.3	6.6	5.5
Depreciation and amortization	2.4	2.2	4.8	4.1
Bad debts	1.3	2.6	3.8	4.6
Other	9.4	7.4	17.9	13.7
Total compensation and other expenses	109.6	92.9	215.5	183.5
Income before tax	14.3	20.0	22.7	32.1
Income tax expense	3.3	5.5	5.4	8.8
Net income	\$ 11.0	\$ 14.5	\$ 17.3	\$ 23.3
Earnings per share:				
Basic	\$ 0.58	\$ 0.77	\$ 0.92	\$ 1.24
Diluted	\$ 0.58	\$ 0.76	\$ 0.92	\$ 1.22
Weighted-average number of common shares outstanding:				
Basic	18,404,236	18,592,643	18,325,383	18,621,337
Diluted	18,661,418	18,755,450	18,637,480	18,821,822

See accompanying notes to condensed consolidated financial statements.

INTL FCStone Inc.
Condensed Consolidated Statements of Comprehensive Income
(Unaudited)

(in millions)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Net income	\$ 11.0	\$ 14.5	\$ 17.3	\$ 23.3
Other comprehensive (loss) income, net of tax:				
Foreign currency translation adjustment	0.7	(1.3)	(0.2)	(6.9)
Pension liabilities adjustment	—	—	—	(0.2)
Reclassification of adjustments included in net income:				
Periodic pension costs (included in compensation and benefits)	—	—	—	0.4
Reclassification adjustment included in net income:	—	—	—	0.4
Other comprehensive loss	0.7	(1.3)	(0.2)	(6.7)
Comprehensive income	\$ 11.7	\$ 13.2	\$ 17.1	\$ 16.6

See accompanying notes to condensed consolidated financial statements.

INTL FCStone Inc.
Condensed Consolidated Cash Flows Statements
(Unaudited)

(in millions)	Six Months Ended March 31,	
	2017	2016
Cash flows from operating activities:		
Net income	\$ 17.3	\$ 23.3
Adjustments to reconcile net income to net cash used in operating activities:		
Depreciation and amortization	4.8	3.9
Bad debts	3.8	4.6
Deferred income taxes	(3.6)	(1.8)
Amortization of debt issuance costs and debt discount	1.4	0.5
Amortization of share-based compensation	2.6	2.5
Loss on sale of property and equipment	(0.3)	0.3
Changes in operating assets and liabilities, net:		
Cash, securities and other assets segregated under federal and other regulations	47.4	(174.1)
Securities purchased under agreements to resell	(129.2)	(377.0)
Securities borrowed	(66.7)	—
Deposits with and receivables from exchange-clearing organizations	(158.4)	111.7
Deposits with and receivables from broker-dealers, clearing organizations, and counterparties	32.1	128.5
Receivables from customers, net	(2.5)	108.8
Notes receivable, net	7.9	12.7
Income taxes receivable	—	0.5
Financial instruments owned, at fair value	(304.8)	(454.5)
Physical commodities inventory	(58.2)	1.6
Other assets	7.8	(4.8)
Accounts payable and other accrued liabilities	(8.8)	(25.6)
Payables to customers	27.8	(144.6)
Payables to broker-dealers, clearing organizations and counterparties	(64.3)	62.3
Income taxes payable	0.9	(0.1)
Securities sold under agreements to repurchase	264.8	108.3
Securities loaned	89.9	—
Financial instruments sold, not yet purchased, at fair value	243.7	465.7
Net cash used in operating activities	(44.6)	(147.3)
Cash flows from investing activities:		
Cash paid for acquisitions, net	(6.0)	—
Purchase of property and equipment	(6.1)	(8.0)
Net cash used in investing activities	(12.1)	(8.0)
Cash flows from financing activities:		
Net change in payable to lenders under loans	81.0	110.3
Repayment of senior unsecured notes	(45.5)	—
Payments of note payable	(0.4)	(0.4)
Deferred payments on acquisitions	—	(2.7)
Debt issuance costs	(0.1)	(1.9)
Exercise of stock options	2.5	1.7
Share repurchases	—	(10.3)
Excess income tax benefit on stock options and awards	(0.2)	0.7
Net cash provided by financing activities	37.3	97.4
Effect of exchange rates on cash and cash equivalents	(0.5)	(7.0)
Net decrease in cash and cash equivalents	(19.9)	(64.9)
Cash and cash equivalents at beginning of period	316.2	268.1
Cash and cash equivalents at end of period	\$ 296.3	\$ 203.2
Supplemental disclosure of cash flow information:		
Cash paid for interest	\$ 17.1	\$ 11.8
Income taxes paid, net of cash refunds	\$ 8.1	\$ 9.2
Supplemental disclosure of non-cash investing and financing activities:		
Identified intangible assets and goodwill on acquisitions	\$ 6.0	\$ —

Additional consideration payable related to acquisitions, net

\$	—	\$	0.3
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See accompanying notes to condensed consolidated financial statements.

INTL FCStone Inc.
Condensed Consolidated Statement of Stockholders' Equity
(Unaudited)

(in millions)	Common Stock	Treasury Stock	Additional Paid-in Capital	Retained Earnings	Accumulated Other Comprehensive Loss	Total
Balances as of September 30, 2016	\$ 0.2	\$ (46.3)	\$ 249.4	\$ 255.1	\$ (24.6)	\$ 433.8
Net income				17.3		17.3
Other comprehensive loss					(0.2)	(0.2)
Exercise of stock options			2.2			2.2
Share-based compensation			2.6			2.6
Balances as of March 31, 2017	<u>\$ 0.2</u>	<u>\$ (46.3)</u>	<u>\$ 254.2</u>	<u>\$ 272.4</u>	<u>\$ (24.8)</u>	<u>\$ 455.7</u>

See accompanying notes to condensed consolidated financial statements.

INTL FCStone Inc.
Notes to Condensed Consolidated Financial Statements
(Unaudited)

Note 1 – Basis of Presentation and Consolidation and Recently Issued Accounting Standards

INTL FCStone Inc., a Delaware corporation, and its consolidated subsidiaries (collectively “INTL” or “the Company”), is a diversified global financial services organization providing execution, risk management and advisory services, market intelligence, and clearing services across assets classes and markets around the world. The Company’s services include comprehensive risk management advisory services for commercial customers; execution of listed futures and options on futures contracts on all major commodity exchanges; structured over-the-counter (“OTC”) products in a wide range of commodities; physical trading and hedging of precious metals and select other commodities; trading of more than 140 foreign currencies; market-making in international equities; fixed income; debt origination and asset management.

The Company provides these services to a diverse group of more than 20,000 predominantly wholesale organizations located throughout the world, including producers, processors and end-users of nearly all widely-traded physical commodities to manage their risks and enhance margins; to commercial counterparties who are end-users of the firm’s products and services; to governmental and non-governmental organizations; and to commercial banks, brokers, institutional investors and major investment banks.

Basis of Presentation and Consolidation

The accompanying condensed consolidated balance sheet as of September 30, 2016, which has been derived from audited financial statements, and the unaudited interim condensed consolidated financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission (“SEC”). Certain information and note disclosures normally included in annual financial statements prepared in accordance with accounting principles generally accepted in the United States of America (“U.S. GAAP”) have been condensed or omitted pursuant to those rules and regulations. The Company believes that the disclosures made are adequate to make the information presented not misleading. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation of the condensed consolidated financial statements for the interim periods presented have been reflected as required by Rule 10-01 of Regulation S-X.

Operating results for interim periods are not necessarily indicative of the results that may be expected for the full year. These interim condensed consolidated financial statements should be read in conjunction with the Company’s audited consolidated financial statements and related notes contained in the Company’s Form 10-K for the fiscal year ended September 30, 2016 filed with the SEC.

These condensed consolidated financial statements include the accounts of INTL FCStone Inc. and all other entities in which the Company has a controlling financial interest. All material intercompany transactions and balances have been eliminated in consolidation.

The Company’s fiscal year end is September 30, and the fiscal quarters end on December 31, March 31, June 30 and September 30. Unless otherwise stated, all dates refer to fiscal years and fiscal interim periods.

The preparation of condensed consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent liabilities as of the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. The most significant of these estimates and assumptions relate to fair value measurement for financial instruments and investments, revenue recognition, the provision for potential losses from bad debts, valuation of inventories, valuation of goodwill and intangible assets, self-insurance liabilities, incomes taxes and contingencies. Although these and other estimates and assumptions are based on the best available information, actual results could be materially different from these estimates.

In the condensed consolidated income statements, the total revenues reported combine gross revenues for the physical commodities business and net revenues for all other businesses. The subtotal ‘operating revenues’ in the condensed consolidated income statements is calculated by deducting physical commodities cost of sales from total revenues. The subtotal ‘net operating revenues’ in the condensed consolidated income statements is calculated as operating revenues less transaction-based clearing expenses, introducing broker commissions and interest expense. Transaction-based clearing expenses represent variable expenses paid to executing brokers, exchanges, clearing organizations and banks in relation to transactional volumes. Introducing broker commissions include commission paid to non-employee third parties that have introduced customers to the Company. Net operating revenues represent revenues available to pay variable compensation to risk management consultants and traders and direct non-variable expenses, as well as variable and non-variable expenses of operational and administrative employees.

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During the quarter ended March 31, 2017, the Company's Securities reportable segment established a stock lending business. Stock borrowed and stock loaned are accounted for as collateralized financings. Securities borrowed and securities loaned are recorded at the amount of cash collateral advanced or received. Stock borrowed and stock loaned is reported on a gross basis as the Company has determined that the right of offset does not exist. Interest income and interest expense are recognized over the life of the arrangements.

Accounting Standards Adopted

In April 2015, the FASB issued Accounting Standards Update ("ASU") No. 2015-03, Interest – Imputation of Interest (Subtopic 835-30). ASU 2015-03 requires that debt issuance costs related to a recognized debt liability be presented in the balance sheet as a direct deduction from the carrying amount of that debt liability. In June 2015, the FASB issued ASU 2015-15 as an amendment to this guidance to address the absence of authoritative guidance for debt issuance costs related to line-of-credit arrangements. The SEC staff stated that they would not object to an entity deferring and presenting debt issuance costs as an asset and subsequently amortizing the deferred debt issuance costs ratably over the term of the line-of-credit arrangement, regardless of whether there are any outstanding borrowings on the line-of-credit arrangement. ASU 2015-03 required retrospective application to all prior periods presented in the financial statements. This new guidance was effective for the Company in the first quarter of 2017. As a result of adopting this standard on October 1, 2016, deferred financing costs of \$1.0 million as of September 30, 2016, previously reported within other assets, were reclassified to senior unsecured notes in the consolidated balance sheets. As of December 31, 2016, there were no deferred financing costs as the senior unsecured notes were redeemed during the three months ended December 31, 2016, as discussed in Note 9.

In January 2017, the FASB issued ASU 2017-01, Business Combinations - Clarifying the Definition of a Business, which clarifies the definition of a business for determining whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. This ASU is effective for public business entities for annual and interim periods in fiscal years beginning after December 15, 2017. The adoption of this standard should be applied prospectively on or after the effective date. Early adoption is permitted for transactions for which the acquisition date occurs before the issuance date or effective date of the amendments and only when the transaction has not been reported in financial statements that have been issued or made available for issuance. The Company has early adopted this guidance effective October 1, 2016, and applied the guidance in determining whether the acquisition discussed in Note 16 is the acquisition of an asset or of a business.

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Note 2 – Earnings per Share

The Company presents basic and diluted earnings per share (“EPS”) using the two-class method which requires all outstanding unvested share-based payment awards that contain rights to non-forfeitable dividends and therefore participate in undistributed earnings with common stockholders be included in computing earnings per share. Under the two-class method, net earnings are reduced by the amount of dividends declared in the period for each class of common stock and participating security. The remaining undistributed earnings are then allocated to common stock and participating securities, based on their respective rights to receive dividends. Restricted stock awards granted to certain employees and directors contain non-forfeitable rights to dividends at the same rate as common stock, and are considered participating securities. Basic EPS has been computed by dividing net income by the weighted-average number of common shares outstanding.

The following is a reconciliation of the numerator and denominator of the diluted net income per share computations for the periods presented below.

(in millions, except share amounts)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Numerator:				
Net income	\$ 11.0	\$ 14.5	\$ 17.3	\$ 23.3
Less: Allocation to participating securities	(0.2)	(0.3)	(0.3)	(0.4)
Net income allocated to common stockholders	\$ 10.8	\$ 14.2	\$ 17.0	\$ 22.9
Denominator:				
Weighted average number of:				
Common shares outstanding	18,404,236	18,592,643	18,325,383	18,621,337
Dilutive potential common shares outstanding:				
Share-based awards	257,182	162,807	312,097	200,485
Diluted weighted-average shares	18,661,418	18,755,450	18,637,480	18,821,822

The dilutive effect of share-based awards is reflected in diluted net income per share by application of the treasury stock method, which includes consideration of unamortized share-based compensation expense required under the Compensation – Stock Compensation Topic of the ASC.

Options to purchase 322,974 and 986,339 shares of common stock for the three months ended March 31, 2017 and 2016, respectively, and options to purchase 242,448 and 900,665 shares of common stock for the six months ended March 31, 2017 and 2016, respectively, were excluded from the calculation of diluted earnings per share as they would have been anti-dilutive.

Note 3 – Assets and Liabilities, at Fair Value

The Company’s financial and non-financial assets and liabilities reported at fair value, or at amortized cost which approximates fair value, are included in the following captions on the condensed consolidated balance sheets:

- Cash and cash equivalents
- Cash, securities and other assets segregated under federal and other regulations
- Securities purchased under agreements to resell
- Securities borrowed
- Deposits with and receivables from exchange-clearing organizations, broker-dealers, clearing organizations and counterparties
- Financial instruments owned and sold, not yet purchased
- Physical commodities inventory
- Accounts payable and other accrued liabilities
- Payables to broker-dealers, clearing organizations and counterparties
- Securities sold under agreements to repurchase
- Securities loaned

Fair Value Hierarchy

The majority of financial assets and liabilities on the condensed consolidated balance sheets are reported at fair value. Cash is reported at the balance held at financial institutions. Cash equivalents includes money market funds, which are valued at period-end at the net asset value provided by the fund’s administrator, and certificates of deposit, which are stated at cost plus accrued interest, which approximates fair value. Cash, securities and other assets segregated under federal and other regulations include the value of cash collateral as well as the value of other pledged investments, primarily U.S. Treasury bills, obligations issued by government sponsored entities, and commodities warehouse receipts. Deposits with and receivables from exchange-clearing organizations, broker-dealers, clearing organizations and counterparties and payables to broker-dealers, clearing organizations and counterparties include the value of cash collateral as well as the value of money market funds and other pledged

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investments, primarily U.S. Treasury bills, obligations issued by government sponsored entities, and mortgage-backed and asset-backed securities. These balances also include the fair value of exchange-traded futures and options on futures and exchange-cleared swaps and options determined by prices on the applicable exchange. Financial instruments owned and sold, not yet purchased include the value of common and preferred stock and American Depositary Receipts ("ADRs"), exchangeable foreign ordinary equities and ADRs, U.S. and foreign government obligations, corporate and municipal debt securities, derivative financial instruments, exchange stock, commodities warehouse receipts and leases, mutual funds and investments in managed funds. The fair value of exchange common stock is determined by quoted market prices. Physical commodities inventory includes precious metals that are a part of the trading activities of the regulated broker-dealer subsidiary and is recorded at fair value using spot prices. Physical commodities inventory also includes agricultural and energy commodities that are part of the trading activities of a non-broker dealer subsidiary and are also recorded at fair value using spot prices. The carrying value of securities purchased under agreements to resell, securities borrowed, receivables from customers, net, notes receivable, net, securities sold under agreements to repurchase, and securities loaned approximates fair value due to their short-term nature. Payables to lenders under loans carry variable rates of interest and thus approximate fair value.

Deposits with and receivables from broker-dealers, clearing organizations and counterparties include amounts receivable for securities sold but not yet delivered by the Company on settlement date ("fails-to-deliver") and net receivables arising from unsettled trades. Payables to broker-dealers, clearing organizations and counterparties primarily include amounts payable for securities purchased, but not yet received by the Company on settlement date ("fails-to-receive"), net payables arising from unsettled trades and bonds loaned transactions. Due to their short-term nature, deposits with and receivables from and payables to broker-dealers, clearing organizations and counterparties approximate fair value.

The fair value estimates presented in the condensed consolidated financial statements are based on pertinent information available to management as of March 31, 2017 and September 30, 2016. Although management is not aware of any factors that would significantly affect the estimated fair value amounts, such amounts have not been comprehensively revalued for purposes of these condensed consolidated financial statements since that date and current estimates of fair value may differ significantly from the amounts presented in the condensed consolidated financial statements.

Cash equivalents, securities, commodities warehouse receipts, derivative financial instruments, commodities leases, exchange common stock and contingent liabilities are carried at fair value, on a recurring basis, and are classified and disclosed into three levels in the fair value hierarchy. Except as disclosed in Note 6, the Company did not have any fair value adjustments for assets or liabilities measured at fair value on a non-recurring basis during the three and six months ended March 31, 2017.

The three levels of the fair value hierarchy under the Fair Value Measurement Topic of the ASC are:

Level 1 - Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities;

Level 2 - Quoted prices for identical or similar assets or liabilities in markets that are less active, that is, markets in which there are few transactions for the asset or liability that are observable for substantially the full term; and

Level 3 - Prices or valuation techniques that require inputs that are both significant to the fair value measurement and unobservable (i.e., supported by little or no market activity).

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The following tables set forth the Company's financial and nonfinancial assets and liabilities accounted for at fair value, on a recurring basis, as of March 31, 2017 by level in the fair value hierarchy. There were no assets or liabilities that were measured at fair value on a nonrecurring basis as of March 31, 2017.

(in millions)	March 31, 2017				
	Level 1	Level 2	Level 3	Netting and Collateral (1)	Total
Assets:					
Unrestricted cash equivalents - certificate of deposits	\$ 3.4	\$ —	\$ —	\$ —	\$ 3.4
Commodities warehouse receipts	21.9	—	—	—	21.9
U.S. government obligations	—	225.7	—	—	225.7
Securities and other assets segregated under federal and other regulations	21.9	225.7	—	—	247.6
Money market funds	376.0	—	—	—	376.0
U.S. government obligations	—	281.8	—	—	281.8
Derivatives	1,799.0	—	—	(1,820.3)	(21.3)
Deposits with and receivables from exchange-clearing organizations	2,175.0	281.8	—	(1,820.3)	636.5
"To be announced" (TBA) and forward settling securities	—	6.2	—	(0.9)	5.3
Derivatives	—	89.2	—	(59.8)	29.4
Deposits with and receivables from broker-dealers, clearing organizations and counterparties	—	95.4	—	(60.7)	34.7
Common and preferred stock and ADRs	28.5	2.0	0.2	—	30.7
Exchangeable foreign ordinary equities and ADRs	31.3	0.4	—	—	31.7
Corporate and municipal bonds	4.9	1.3	—	—	6.2
U.S. government obligations	—	625.4	—	—	625.4
Foreign government obligations	—	49.4	—	—	49.4
Mortgage-backed securities	—	926.6	—	—	926.6
Derivatives	266.4	1,419.0	—	(1,487.0)	198.4
Commodities leases	—	117.2	—	(100.0)	17.2
Commodities warehouse receipts	8.0	—	—	—	8.0
Exchange firm common stock	7.1	—	—	—	7.1
Mutual funds and other	6.0	—	—	—	6.0
Financial instruments owned	352.2	3,141.3	0.2	(1,587.0)	1,906.7
Physical commodities inventory	117.8	—	—	—	117.8
Total assets at fair value	\$ 2,670.3	\$ 3,744.2	\$ 0.2	\$ (3,468.0)	\$ 2,946.7
Liabilities:					
Accounts payable and other accrued liabilities - contingent liabilities	\$ —	\$ —	\$ 0.9	\$ —	\$ 0.9
TBA and forward settling securities	—	10.8	—	(0.9)	9.9
Derivatives	1,560.8	103.0	—	(1,663.9)	(0.1)
Payable to broker-dealers, clearing organizations and counterparties	1,560.8	113.8	—	(1,664.8)	9.8
Common and preferred stock and ADRs	45.4	0.5	—	—	45.9
Exchangeable foreign ordinary equities and ADRs	31.6	0.3	—	—	31.9
Corporate and municipal bonds	1.2	—	—	—	1.2
U.S. government obligations	—	699.9	—	—	699.9
Foreign government obligations	—	10.1	—	—	10.1
Mortgage-backed securities	—	4.7	—	—	4.7
Derivatives	261.0	1,575.9	—	(1,607.3)	229.6
Commodities leases	—	164.8	—	(106.9)	57.9
Financial instruments sold, not yet purchased	339.2	2,456.2	—	(1,714.2)	1,081.2
Total liabilities at fair value	\$ 1,900.0	\$ 2,570.0	\$ 0.9	\$ (3,379.0)	\$ 1,091.9

(1) Represents cash collateral and the impact of netting across the levels of the fair value hierarchy. Netting among positions classified within the same level is included in that level.

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The following table sets forth the Company's financial and nonfinancial assets and liabilities accounted for at fair value, on a recurring basis, as of September 30, 2016 by level in the fair value hierarchy. There were no assets or liabilities that were measured at fair value on a nonrecurring basis as of September 30, 2016.

(in millions)	September 30, 2016				Total
	Level 1	Level 2	Level 3	Netting and Collateral (1)	
Assets:					
Unrestricted cash equivalents - certificates of deposits	\$ 7.1	\$ —	\$ —	\$ —	\$ 7.1
Commodities warehouse receipts	23.3	—	—	—	23.3
U.S. government obligations	—	595.5	—	—	595.5
Securities and other assets segregated under federal and other regulations	23.3	595.5	—	—	618.8
Money market funds	512.7	—	—	—	512.7
U.S. government obligations	—	472.1	—	—	472.1
Derivatives	2,149.9	—	—	(2,266.2)	(116.3)
Deposits with and receivables from exchange-clearing organizations	2,662.6	472.1	—	(2,266.2)	868.5
TBA and forward settling securities	—	0.3	—	—	0.3
Derivatives	—	8.0	—	(23.5)	(15.5)
Deposits with and receivables from broker-dealers, clearing organizations and counterparties	—	8.3	—	(23.5)	(15.2)
Common and preferred stock and ADRs	34.6	1.7	0.2	—	36.5
Exchangeable foreign ordinary equities and ADRs	25.2	0.5	—	—	25.7
Corporate and municipal bonds	36.9	0.9	3.0	—	40.8
U.S. government obligations	—	514.9	—	—	514.9
Foreign government obligations	—	14.6	—	—	14.6
Mortgage-backed securities	—	747.5	—	—	747.5
Derivatives	206.9	1,350.8	—	(1,363.8)	193.9
Commodities leases	—	137.2	—	(129.1)	8.1
Commodities warehouse receipts	8.9	—	—	—	8.9
Exchange firm common stock	6.4	—	—	—	6.4
Mutual funds and other	8.8	—	—	—	8.8
Financial instruments owned	327.7	2,768.1	3.2	(1,492.9)	1,606.1
Physical commodities inventory, net - precious metals	71.2	—	—	—	71.2
Total assets at fair value	\$ 3,091.9	\$ 3,844.0	\$ 3.2	\$ (3,782.6)	\$ 3,156.5
Liabilities:					
Accounts payable and other accrued liabilities - contingent liabilities	\$ —	\$ —	\$ 0.8	\$ —	\$ 0.8
TBA and forward settling securities	—	2.6	—	0.9	3.5
Derivatives	1,961.7	97.5	—	(2,059.2)	—
Payable to broker-dealers, clearing organizations and counterparties	1,961.7	100.1	—	(2,058.3)	3.5
Common and preferred stock and ADRs	23.5	0.4	—	—	23.9
Exchangeable foreign ordinary equities and ADRs	25.3	0.5	—	—	25.8
U.S. government obligations	—	509.8	—	—	509.8
Corporate and municipal bonds	6.9	—	—	—	6.9
Derivatives	199.4	1,319.3	—	(1,307.8)	210.9
Commodities leases	—	207.8	—	(145.7)	62.1
Financial instruments sold, not yet purchased	255.1	2,037.8	—	(1,453.5)	839.4
Total liabilities at fair value	\$ 2,216.8	\$ 2,137.9	\$ 0.8	\$ (3,511.8)	\$ 843.7

(1) Represents cash collateral and the impact of netting across the levels of the fair value hierarchy. Netting among positions classified within the same level is included in that level.

Realized and unrealized gains and losses are included in 'trading gains, net' and 'interest income' in the condensed consolidated income statements.

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Information on Level 3 Financial Assets and Liabilities

The Company's financial assets at fair value classified in level 3 of the fair value hierarchy as of March 31, 2017 and September 30, 2016 are summarized below:

(in millions)	March 31, 2017	September 30, 2016
Total level 3 assets	\$ 0.2	\$ 3.2
Level 3 assets for which the Company bears economic exposure	\$ 0.2	\$ 3.2
Total assets	\$ 6,528.6	\$ 5,950.3
Total assets at fair value	\$ 2,946.7	\$ 3,156.5
Total level 3 assets as a percentage of total assets	—%	0.1%
Level 3 assets for which the Company bears economic exposure as a percentage of total assets	—%	0.1%
Total level 3 assets as a percentage of total financial assets at fair value	—%	0.1%

The following tables set forth a summary of changes in the fair value of the Company's level 3 financial assets and liabilities during the three and six months ended March 31, 2017 and 2016, including a summary of unrealized gains (losses) during the respective periods on the Company's level 3 financial assets and liabilities still held as of March 31, 2017.

Level 3 Financial Assets and Financial Liabilities For the Three Months Ended March 31, 2017

(in millions)	Balances at beginning of period	Realized gains (losses) during period	Unrealized gains (losses) during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Assets:							
Common stock and ADRs	\$ 0.2	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 0.2
Corporate and municipal bonds	—	—	—	—	—	—	—
	<u>\$ 0.2</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 0.2</u>

(in millions)	Balances at beginning of period	Realized (gains) losses during period	Unrealized (gains) losses during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Liabilities:							
Contingent liabilities	\$ 0.8	\$ —	\$ 0.1	\$ —	\$ —	\$ —	\$ 0.9

Level 3 Financial Assets and Financial Liabilities For the Six Months Ended March 31, 2017

(in millions)	Balances at beginning of period	Realized gains (losses) during period	Unrealized gains (losses) during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Assets:							
Common stock and ADRs	\$ 0.2	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 0.2
Corporate and municipal bonds	3.0	—	—	—	(3.0)	—	—
	<u>\$ 3.2</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ (3.0)</u>	<u>\$ —</u>	<u>\$ 0.2</u>

(in millions)	Balances at beginning of period	Realized (gains) losses during period	Unrealized (gains) losses during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Liabilities:							
Contingent liabilities	\$ 0.8	\$ —	\$ 0.1	\$ —	\$ —	\$ —	\$ 0.9

Level 3 Financial Assets and Financial Liabilities For the Three Months Ended March 31, 2016

(in millions)	Balances at beginning of period	Realized gains (losses) during period	Unrealized gains (losses) during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Assets:							
Common stock and ADRs	\$ 0.3	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 0.3
Corporate and municipal bonds	3.2	—	0.1	—	—	—	3.3
	<u>\$ 3.5</u>	<u>\$ —</u>	<u>\$ 0.1</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 3.6</u>
(in millions)	Balances at beginning of period	Realized (gains) losses during period	Unrealized (gains) losses during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Liabilities:							
Contingent liabilities	\$ 3.5	\$ —	\$ 0.1	\$ —	\$ (2.1)	\$ —	\$ 1.5

Level 3 Financial Assets and Financial Liabilities For the Six Months Ended March 31, 2016

(in millions)	Balances at beginning of period	Realized gains (losses) during period	Unrealized gains (losses) during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Assets:							
Common stock and ADRs	\$ 0.5	\$ —	\$ (0.2)	\$ —	\$ —	\$ —	\$ 0.3
Corporate and municipal bonds	3.2	—	0.1	—	—	—	3.3
	<u>\$ 3.7</u>	<u>\$ —</u>	<u>\$ (0.1)</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 3.6</u>
(in millions)	Balances at beginning of period	Realized (gains) losses during period	Unrealized (gains) losses during period	Purchases/issuances	Settlements	Transfers in or (out) of Level 3	Balances at end of period
Liabilities:							
Contingent liabilities	\$ 3.3	\$ —	\$ 0.3	\$ —	\$ (2.1)	\$ —	\$ 1.5

The Company had debentures issued by a single asset owning company of Suriwongse Hotel located in Chiang Mai, Thailand. As of September 30, 2016, the Company's investment in the hotel was \$3.0 million, and was included within the corporate and municipal bonds classification in the level 3 financial assets and financial liabilities tables. In December 2016, the Company sold the debentures and collected an amount approximating their carrying value.

The Company is required to make additional future cash payments based on certain financial performance measures of its acquired businesses. The Company is required to remeasure the fair value of the cash earn-out arrangements on a recurring basis in accordance with the guidance in the Business Combinations Topic of the ASC. The Company has classified its liabilities for the contingent earn-out arrangements within level 3 of the fair value hierarchy because the fair value is determined using significant unobservable inputs, which include projected cash flows. The estimated fair value of the earn-outs is based upon management-developed forecasts, a level 3 input in the fair value hierarchy. These cash flows are discounted employing present value techniques in arriving at fair value. The discount rate was developed using market participant company data and there have been no significant changes in the interest rate environment. From the dates of acquisition to March 31, 2017, certain acquisitions have had changes in the estimates of undiscounted cash flows, based on actual performances fluctuating from estimates. The fair value of the contingent consideration increased by less than \$0.1 million and \$0.1 million during the three months ended March 31, 2017 and 2016 and by less than \$0.1 million and \$0.3 million during the six months ended March 31, 2017 and 2016, respectively, with the corresponding amount classified as 'other' in the condensed consolidated income statements.

The Company reports transfers in and out of levels 1, 2 and 3, as applicable, using the fair value of the securities as of the beginning of the reporting period in which the transfer occurred. The Company did not have any transfers in and out of levels 1, 2, and 3 during the three and six months ended March 31, 2017 and 2016.

Note 4 – Financial Instruments with Off-Balance Sheet Risk and Concentrations of Credit Risk

The Company is party to certain financial instruments with off-balance sheet risk in the normal course of its business. The Company has sold financial instruments that it does not currently own and will therefore be obliged to purchase such financial instruments at a future date. The Company has recorded these obligations in the condensed consolidated financial statements as of March 31, 2017 at the fair values of the related financial instruments. The Company will incur losses if the fair value of the underlying financial instruments increases subsequent to March 31, 2017. The total financial instruments sold, not yet purchased of \$1,081.2 million as of March 31, 2017 includes \$229.6 million for derivative contracts, which represents a liability to the Company based on their fair values as of March 31, 2017.

Derivatives

The Company utilizes derivative products in its trading capacity as a dealer in order to satisfy customer needs and mitigate risk. The Company manages risks from both derivatives and non-derivative cash instruments on a consolidated basis. The risks of derivatives should not be viewed in isolation, but in aggregate with the Company's other trading activities. The majority of the Company's derivative positions are included in the condensed consolidated balance sheets in 'deposits with and receivables from exchange-clearing organizations', 'financial instruments owned, at fair value', 'financial instruments sold, not yet purchased, at fair value' and payables to broker-dealers, clearing organizations and counterparties'.

The Company employs an interest rate risk management strategy using derivative financial instruments in the form of interest rate swaps as well as outright purchases of medium-term U.S. Treasury notes to manage a portion of the aggregate interest rate position. The Company's objective when using interest rate swaps under the strategy, is to invest certain amounts of customer deposits in high quality, short-term investments and swap the resulting variable interest earnings into medium-term interest earnings. When used, the risk mitigation of these interest rate swaps are not within the documented hedging designation requirements of the Derivatives and Hedging Topic of the ASC, and as a result are recorded at fair value, with changes in the fair value of the interest rate swaps recorded within 'trading gains, net' in the condensed consolidated income statements. At September 30, 2016, the Company had \$375.0 million in notional principal of interest rate swaps outstanding with a weighted-average remaining life of 15 months. During the six months ended March 31, 2017, the Company settled these interest rate swaps in advance of their original maturity date.

Listed below are the fair values of the Company's derivative assets and liabilities as of March 31, 2017 and September 30, 2016. Assets represent net unrealized gains and liabilities represent net unrealized losses.

(in millions)	March 31, 2017		September 30, 2016	
	Assets ⁽¹⁾	Liabilities ⁽¹⁾	Assets ⁽¹⁾	Liabilities ⁽¹⁾
Derivative contracts not accounted for as hedges:				
Exchange-traded commodity derivatives	\$ 1,617.7	\$ 1,496.9	\$ 2,022.1	\$ 1,920.5
OTC commodity derivatives	1,336.7	1,518.4	1,217.0	1,188.9
Exchange-traded foreign exchange derivatives	22.6	21.0	12.2	7.5
OTC foreign exchange derivatives	434.8	317.8	346.5	290.2
Exchange-traded interest rate derivatives	132.9	113.9	78.7	120.5
Equity index derivatives	28.9	32.7	39.1	50.3
TBA and forward settling securities	6.2	10.8	0.3	2.6
Gross fair value of derivative contracts	3,579.8	3,511.5	3,715.9	3,580.5
Impact of netting and collateral	(3,368.0)	(3,272.1)	(3,653.5)	(3,366.1)
Total fair value included in 'Deposits with and receivables from exchange-clearing organizations'	\$ (21.3)		\$ (116.3)	
Total fair value included in 'Deposits with and receivables from broker-dealers, clearing organizations and counterparties'	\$ 34.7		\$ (15.2)	
Total fair value included in 'Financial instruments owned, at fair value'	\$ 198.4		\$ 193.9	
Total fair value included in 'Payables to broker-dealers, clearing organizations and counterparties'		\$ 9.8		\$ 3.5
Fair value included in 'Financial instruments sold, not yet purchased, at fair value'		\$ 229.6		\$ 210.9

(1) As of March 31, 2017 and September 30, 2016, the Company's derivative contract volume for open positions were approximately 4.1 million and 4.0 million contracts, respectively.

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The Company's derivative contracts are principally held in its Commercial Hedging and Clearing and Execution Services segments. The Company assists its Commercial Hedging segment customers in protecting the value of their future production by entering into option or forward agreements with them on an OTC basis. The Company also provides its Commercial Hedging segment customers with option products, including combinations of buying and selling puts and calls. The Company mitigates its risk by offsetting the customer's transaction simultaneously with one of the Company's trading counterparties or with a similar but not identical position on the exchange. The risk mitigation of these offsetting trades is not within the documented hedging designation requirements of the Derivatives and Hedging Topic of the ASC. These derivative contracts are traded along with cash transactions because of the integrated nature of the markets for these products. The Company manages the risks associated with derivatives on an aggregate basis along with the risks associated with its proprietary trading and market-making activities in cash instruments as part of its firm-wide risk management policies. In particular, the risks related to derivative positions may be partially offset by inventory, unrealized gains in inventory or cash collateral paid or received.

The Company has derivative instruments, which consist of mortgage-backed TBA securities and forward settling transactions that are used to manage risk exposures in the trading inventory of the Company's domestic fixed income institutional business. The fair value on these transactions are recorded in receivables or payables to broker-dealers, clearing organizations and counterparties. Realized and unrealized gains and losses on securities and derivative transactions are reflected in 'trading gains, net'.

The Company enters into TBA securities transactions for the sole purpose of managing risk associated with the purchase of mortgage pass-through securities. TBA securities are included within deposits with and receivables from and payables to broker-dealers, clearing organizations and counterparties. Forward settling securities represent non-regular way securities and are included in financial instruments owned and sold. As of March 31, 2017 and September 30, 2016, these transactions are summarized as follows:

(in millions)	March 31, 2017		September 30, 2016	
	Gain / (Loss)	Notional Amounts	Gain / (Loss)	Notional Amounts
Unrealized gain on TBA securities purchased within receivables from broker-dealers, clearing organizations and counterparties and related notional amounts (1)	\$ 3.2	\$ 795.7	\$ 0.8	\$ 289.8
Unrealized loss on TBA securities purchased within receivables from broker-dealers, clearing organizations and counterparties and related notional amounts (1)	\$ (0.4)	\$ 180.4	\$ (0.8)	\$ 485.5
Unrealized gain on TBA securities sold within payables to broker-dealers, clearing organizations and counterparties and related notional amounts (1)	\$ 0.6	\$ (351.4)	\$ 1.3	\$ (702.3)
Unrealized loss on TBA securities sold within payables to broker-dealers, clearing organizations and counterparties and related notional amounts (1)	\$ (9.6)	\$ (1,537.9)	\$ (1.7)	\$ (754.3)
Unrealized gain on forward settling securities purchased within receivables from broker-dealers, clearing organizations and counterparties and related notional amounts	\$ 2.5	\$ 595.5	\$ 0.1	\$ 607.9
Unrealized (loss) gain on forward settling securities sold within receivables from and payables to broker-dealers, clearing organizations and counterparties and related notional amounts	\$ (0.9)	\$ (301.4)	\$ 0.2	\$ (470.4)

(1) The notional amounts of these instruments reflect the extent of the Company's involvement in TBA and forward settling securities and do not represent risk of loss due to counterparty non-performance.

The following table sets forth the Company's gains (losses) related to derivative financial instruments for the three and six months ended March 31, 2017 and 2016 in accordance with the Derivatives and Hedging Topic of the ASC. The gains set forth below are included in 'trading gains, net' in the condensed consolidated income statements.

(in millions)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Commodities	\$ 13.9	\$ 5.0	\$ 18.8	\$ 25.0
Foreign exchange	0.8	1.8	2.0	3.6
Interest rate	—	2.9	(1.0)	1.0
TBA and forward settling securities	(4.9)	(5.7)	8.5	(5.0)
Net gains from derivative contracts	\$ 9.8	\$ 4.0	\$ 28.3	\$ 24.6

Credit Risk

In the normal course of business, the Company purchases and sells financial instruments, commodities and foreign currencies as either principal or agent on behalf of its customers. If either the customer or counterparty fails to perform, the Company may be required to discharge the obligations of the nonperforming party. In such circumstances, the Company may sustain a loss if the fair value of the financial instrument or foreign currency is different from the contract value of the transaction.

The majority of the Company's transactions and, consequently, the concentration of its credit exposure are with commodity exchanges, customers, broker-dealers and other financial institutions. These activities primarily involve collateralized and uncollateralized arrangements and may result in credit exposure in the event that a counterparty fails to meet its contractual obligations. The Company's exposure to credit risk can be directly impacted by volatile financial markets, which may impair the ability of counterparties to satisfy their contractual obligations. The Company seeks to control its credit risk through a variety of reporting and control procedures, including establishing credit and/or position limits based upon a review of the counterparties' financial condition and credit ratings. The Company monitors collateral levels on a daily basis for compliance with regulatory and internal guidelines and requests changes in collateral levels as appropriate.

The Company is a party to financial instruments in the normal course of its business through customer and proprietary trading accounts in exchange-traded and OTC derivative instruments. These instruments are primarily the result of the execution of orders for commodity futures, options on futures and forward foreign currency contracts on behalf of its customers, substantially all of which are transacted on a margin basis. Such transactions may expose the Company to significant credit risk in the event margin requirements are not sufficient to fully cover losses which customers may incur. The Company controls the risks associated with these transactions by requiring customers to maintain margin deposits in compliance with individual exchange regulations and internal guidelines. The Company monitors required margin levels daily and, therefore, may require customers to deposit additional collateral or reduce positions when necessary. The Company also establishes credit limits for customers, which are monitored daily. The Company evaluates each customer's creditworthiness on a case by case basis. Clearing, financing, and settlement activities may require the Company to maintain funds with or pledge securities as collateral with other financial institutions. Generally, these exposures to both customers and exchanges are subject to master netting, or customer agreements, which reduce the exposure to the Company by permitting receivables and payables with such customers to be offset in the event of a customer default. Management believes that the margin deposits held as of March 31, 2017 and September 30, 2016 were adequate to minimize the risk of material loss that could be created by positions held at that time. Additionally, the Company monitors collateral fair value on a daily basis and adjusts collateral levels in the event of excess market exposure. Generally, these exposures to both customers and counterparties are subject to master netting or customer agreements which reduce the exposure to the Company.

Derivative financial instruments involve varying degrees of off-balance sheet market risk whereby changes in the fair values of underlying financial instruments may result in changes in the fair value of the financial instruments in excess of the amounts reflected in the condensed consolidated balance sheets. Exposure to market risk is influenced by a number of factors, including the relationships between the financial instruments and the Company's positions, as well as the volatility and liquidity in the markets in which the financial instruments are traded. The principal risk components of financial instruments include, among other things, interest rate volatility, the duration of the underlying instruments and changes in foreign exchange rates. The Company attempts to manage its exposure to market risk through various techniques. Aggregate market limits have been established and market risk measures are routinely monitored against these limits.

Note 5 – Receivables From Customers, Net and Notes Receivable, Net

The allowance for doubtful accounts related to receivables from customers was \$10.8 million as of March 31, 2017 and \$9.5 million as of September 30, 2016. The allowance for doubtful accounts related to notes receivable was \$0.0 million and \$0.2 million as of March 31, 2017 and September 30, 2016, respectively.

During the three months ended March 31, 2017, the Company recorded bad debt expense of \$1.3 million, primarily related to LME Metals customer deficits in the Company's Commercial Hedging segment. During the three months ended March 31, 2016, the Company recorded bad debt expense of \$2.6 million, including provision increases for bad debts primarily related to \$1.3 million of customer receivables in the Physical Ag & Energy component of the Physical Commodities segment, \$1.1 million of customer deficits in the Commercial Hedging segment and \$0.2 million related to short-term notes receivable origination in the Securities segment.

During the six months ended March 31, 2017, the Company recorded bad debt expense of \$3.8 million, primarily related to LME Metals customer deficits in the Company's Commercial Hedging segment. During the six months ended March 31, 2016, the Company recorded bad debt expense of \$4.6 million, primarily related to \$1.5 million of customer receivables in the Physical Ag & Energy component of the Physical Commodities segment, \$2.7 million of customer deficits in the Commercial Hedging segment and \$0.3 million related to short-term notes receivable origination in the Securities segment.

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The Company originates short-term notes receivable from customers with the outstanding balances typically being insured 90% to 98% by a third party, including accrued interest, subject to applicable deductible amounts. The total balance outstanding under insured notes receivable was \$2.1 million and \$5.0 million as of March 31, 2017 and September 30, 2016, respectively. The Company has sold \$2.1 million and \$4.6 million of the insured portion of the notes through non-recourse participation agreements with other third parties as of March 31, 2017 and September 30, 2016, respectively. The Company completed its exit of the majority of this activity during fiscal 2016. The Company believes the run-off of the remaining activity will have a minimal impact on the Company.

See discussion of notes receivable related to commodity repurchase agreements in Note 10.

Note 6 – Physical Commodities Inventory

The Company's inventories consist of finished physical commodities. Inventories by component of the Company's Physical Commodities segment are shown below.

(in millions)	March 31, 2017	September 30, 2016
Physical Ag & Energy ⁽¹⁾	\$ 139.5	\$ 65.9
Precious metals - held by broker-dealer subsidiary ⁽²⁾	17.0	5.3
Precious metals - held by non-broker-dealer subsidiaries ⁽³⁾	25.2	52.6
Physical commodities inventory	<u>\$ 181.7</u>	<u>\$ 123.8</u>

⁽¹⁾ Physical Ag & Energy maintains agricultural and energy commodity inventories, including corn, soybeans, wheat, dried distillers grain, canola, sorghum, coffee, coal and others. The agricultural commodity inventories are carried at net realizable value, which approximates fair value less disposal costs, with changes in net realizable value included as a component of 'cost of sales of physical commodities' on the condensed consolidated income statements. The agricultural inventories have reliable, readily determinable and realizable market prices, have relatively insignificant costs of disposal and are available for immediate delivery.

⁽²⁾ Precious metals held by the Company's subsidiary, INTL FCStone Ltd, a United Kingdom based broker-dealer subsidiary, is measured at fair value, with changes in fair value included as a component of 'trading gains, net' on the condensed consolidated income statements, in accordance with U.S. GAAP accounting requirements for broker-dealers.

⁽³⁾ Precious metals inventory held by subsidiaries that are not broker-dealers are valued at the lower of cost or market value.

The Company has recorded lower of cost or market ("LCM") adjustments for certain precious metals inventory of \$0.1 million and \$0.6 million as of March 31, 2017 and September 30, 2016, respectively. The adjustments are included in 'cost of sales of physical commodities' in the condensed consolidated income statements.

Note 7 – Goodwill

The carrying value of goodwill is allocated to the Company's operating segments as follows:

(in millions)	March 31, 2017	September 30, 2016
Commercial Hedging	\$ 30.7	\$ 30.7
Global Payments	6.3	6.3
Physical Commodities	2.4	2.4
Securities	8.1	8.1
Goodwill	<u>\$ 47.5</u>	<u>\$ 47.5</u>

Note 8 – Intangible Assets

During the six months ended March 31, 2017, the Company recorded additional intangible assets of \$6.0 million as part of the ICAP acquisition. See Note 16 - Acquisitions for additional discussion.

The gross and net carrying values of intangible assets as of the balance sheet dates, by major intangible asset class are as follows:

(in millions)	March 31, 2017			September 30, 2016		
	Gross Amount	Accumulated Amortization	Net Amount	Gross Amount	Accumulated Amortization	Net Amount
Intangible assets subject to amortization						
Trade name	\$ 1.1	\$ (0.8)	\$ 0.3	\$ 1.1	\$ (0.6)	\$ 0.5
Software programs/platforms	2.7	(2.4)	0.3	2.7	(2.4)	0.3
Customer base	20.0	(6.9)	13.1	14.0	(5.7)	8.3
Total intangible assets	\$ 23.8	\$ (10.1)	\$ 13.7	\$ 17.8	\$ (8.7)	\$ 9.1

Amortization expense related to intangible assets was \$1.4 million and \$0.8 million for the six months ended March 31, 2017 and 2016, respectively.

As of March 31, 2017, the estimated future amortization expense was as follows:

(in millions)	
Fiscal 2017 (remaining six months)	\$ 1.4
Fiscal 2018	2.2
Fiscal 2019	2.2
Fiscal 2020	2.0
Fiscal 2021 and thereafter	5.9
	<u>\$ 13.7</u>

Note 9 – Credit Facilities

Variable-Rate Credit Facilities

The Company has four committed credit facilities under which the Company and its subsidiaries may borrow up to \$447.0 million, subject to the terms and conditions for these facilities. The amounts outstanding under these credit facilities are short term borrowings and carry variable rates of interest, thus approximating fair value. The Company's committed credit facilities consist of the following:

- \$247 million facility available to INTL FCStone Inc. for general working capital requirements.
- \$75 million facility available to the Company's wholly owned subsidiary, INTL FCStone Financial Inc., for short-term funding of margin to commodity exchanges. The facility is subject to annual review and guaranteed by INTL FCStone Inc.
- \$100 million facility available to the Company's wholly owned subsidiary, FCStone Merchant Services, LLC, for financing traditional commodity financing arrangements and commodity repurchase agreements. The facility is subject to annual review and is guaranteed by INTL FCStone Inc.
- \$25 million facility available to the Company's wholly owned subsidiary, INTL FCStone Ltd, for short-term funding of margin to commodity exchanges. The facility is subject to annual review and is guaranteed by INTL FCStone Inc.

The Company also has a secured, uncommitted loan facility, under which the Company's wholly owned subsidiary, INTL FCStone Financial Inc. may borrow up to \$50 million, collateralized by commodity warehouse receipts, to facilitate U.S. commodity exchange deliveries of its customers, subject to certain terms and conditions of the credit agreement.

The Company also has a secured uncommitted loan facility under which the Company's wholly owned subsidiary, INTL FCStone Ltd may borrow up to approximately \$25 million, collateralized by commodity warehouse receipts, to facilitate financing of commodities under repurchase agreement services to its customers, subject to certain terms and conditions of the credit agreement.

The Company also has a secured uncommitted loan facility under which the Company's wholly owned subsidiary Sterne, Agee & Leach, Inc. may borrow for short term funding of firm and customer margin requirements, subject to certain terms and

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conditions of the agreement. The uncommitted maximum amount available to be borrowed is not specified, and all requests for borrowing are subject to the sole discretion of the lender.

Sterne, Agee & Leach, Inc. also has a secured uncommitted loan facility under which it may borrow up to \$100 million for short term funding of firm and customer margin requirements, subject to certain terms and conditions of the agreement.

Note Payable to Bank

The Company has a loan from a commercial bank, secured by equipment purchased with the proceeds. The note is payable in monthly installments, ending in March 2020. The note bears interest at a rate per annum equal to LIBOR plus 2.00%.

Senior Unsecured Notes

In July 2013, the Company completed an offering of \$45.5 million aggregate principal amount of the Company's 8.5% Senior Notes due 2020 (the "Notes"). The net proceeds of the sale of the Notes were used for general corporate purposes. On September 15, 2016, the Company provided notice, through the trustee of the Notes, to the record holders of the Notes that the Company would redeem the outstanding \$45.5 million aggregate principal amount of the Notes in full. On October 15, 2016, the Company redeemed the Notes at a price equal to 100% of the principal amount redeemed plus accrued and unpaid interest to, but not including, the redemption date of October 15, 2016.

The following table sets forth a listing of credit facilities, the committed amounts as of March 31, 2017 on the facilities, and outstanding borrowings on the facilities as well as indebtedness on a promissory note and on senior notes as of March 31, 2017 and September 30, 2016:

(in millions)

Credit Facilities

<u>Borrower</u>	<u>Security</u>	<u>Renewal / Expiration Date</u>	<u>Total Commitment</u>	<u>Amounts Outstanding</u>	
				<u>March 31, 2017</u>	<u>September 30, 2016</u>
INTL FCStone Inc.	Pledged shares of certain subsidiaries	March 18, 2019	\$ 247.0	\$ 175.0	\$ 136.5
INTL FCStone Financial Inc.	None	April 5, 2018	75.0	—	—
INTL FCStone Financial Inc.	Commodity warehouse receipts	n/a	—	—	—
FCStone Merchants Services, LLC	Certain commodities assets	May 1, 2018	100.0	86.0	43.5
INTL FCStone Ltd	None	October 27, 2017	25.0	—	—
INTL FCStone Ltd	Commodity warehouse receipts	n/a	—	—	—
Sterne, Agee & Leach, Inc.	Certain pledged securities	n/a	—	—	—
			\$ 447.0	261.0	180.0
<u>Note Payable to Bank</u>					
Monthly installments, due March 2020 and secured by certain equipment				2.4	2.8
<u>Senior Unsecured Notes</u>					
8.50% senior notes, due July 30, 2020 (redeemed on October 15, 2016)				—	44.5
Total indebtedness				\$ 263.4	\$ 227.3

As reflected above, \$200 million of the Company's committed credit facilities are scheduled to expire within twelve months of this filing. The Company intends to renew or replace this facility when it expires, and based on the Company's liquidity position and capital structure, the Company believes it will be able to do so.

The Company's credit facility agreements contain financial covenants relating to financial measures on a consolidated basis, as well as on a certain stand-alone subsidiary basis, including minimum tangible net worth, minimum regulatory capital, minimum net unencumbered liquid assets, maximum net loss, minimum fixed charge coverage ratio and maximum funded debt to net worth ratio. Failure to comply with these covenants could result in the debt becoming payable on demand. As of March 31, 2017, the Company was in compliance with all of its financial covenants under its credit facilities.

Note 10 – Commodity and Other Repurchase Agreements and Collateralized Transactions

Commodity Repurchase Arrangements

The Company's outstanding notes receivable in connection with sale/repurchase agreements, whereby customers sell certain commodity inventory and agree to repurchase the commodity inventory at a future date at a fixed rate, as of March 31, 2017 and September 30, 2016 were \$0.6 million and \$1.5 million, respectively.

Resale and Repurchase Agreements, Securities Lending and Borrowing Agreements, and Margin Securities

The Company enters into securities purchased under agreements to resell, securities sold under agreements to repurchase, securities borrowed and securities loaned transactions to, among other things, finance financial instruments, acquire securities to cover short positions, acquire securities for settlement, and to accommodate counterparties' needs. These agreements are recorded at their contractual amounts plus accrued interest. The related interest is recorded in the condensed consolidated income statements as interest income or interest expense, as applicable. In connection with these agreements and transactions, it is the policy of the Company to receive or pledge cash or securities to adequately collateralize such agreements and transactions in accordance with general industry guidelines and practices. The value of the collateral is valued daily and the Company may require counterparties to deposit additional collateral or return collateral pledged, when appropriate. The carrying amounts of these agreements and transactions approximate fair value due to their short-term nature and the level of collateralization.

The Company pledges financial instruments owned to collateralize repurchase agreements and securities loaned agreements. At March 31, 2017, financial instruments owned of \$324.6 million were pledged as collateral under repurchase agreements and securities loaned agreements. The counterparty has the right to repledge the collateral in connection with these transactions. These financial instruments owned have been pledged as collateral and have been parenthetically disclosed on the condensed consolidated balance sheet.

In addition, as of March 31, 2017, the Company pledged financial instruments owned of \$1,160.0 million and securities received under reverse repurchase agreements of which \$86.8 million is used to cover collateral for tri-party repurchase agreements. For these securities, the counterparty does not have the right to sell or repledge the collateral.

At March 31, 2017, the Company has accepted collateral that it is permitted by contract to sell or repledge. This collateral consists primarily of securities received in reverse repurchase agreements, securities borrowed agreements, and margin securities held on behalf of correspondent brokers. The fair value of such collateral at March 31, 2017, was \$957.7 million of which \$654.5 million was used to cover securities sold short which are recorded in financial instruments sold, not yet purchased on the condensed consolidated balance sheet. In the normal course of business, this collateral is used by the Company to cover financial instruments sold, not yet purchased, to obtain financing in the form of repurchase agreements, and to meet counterparties' needs under lending arrangements. At March 31, 2017, substantially all of the above collateral had been delivered against financial instruments sold, not yet purchased or repledged by the Company to obtain financing.

Note 11 – Commitments and Contingencies

Legal Proceedings

From time to time and in the ordinary course of business, the Company is involved in various legal actions and proceedings, including tort claims, contractual disputes, employment matters, workers' compensation claims and collections. The Company carries insurance that provides protection against certain types of claims, up to the policy limits of the insurance.

As of March 31, 2017 and September 30, 2016, the condensed consolidated balance sheets include loss contingency accruals recorded prior to these periods then ended, which are not material, individually or in the aggregate, to the Company's financial position or liquidity. In the opinion of management, possible exposure from loss contingencies in excess of the amounts accrued, is not likely to be material to the Company's earnings, financial position or liquidity.

There have been no material changes to the legal actions and proceedings as compared to September 30, 2016.

Contractual Commitments

Contingent Liability - Acquisition

Under the terms of the purchase agreement related to the acquisition listed below, the Company has an obligation to pay additional consideration if specific conditions and earnings targets are met. In accordance with the Business Combinations Topic of the ASC, the fair value of the additional consideration is recognized as a contingent liability as of the acquisition date. The contingent liability for these estimated additional purchase price considerations of \$0.9 million and \$0.8 million are included in 'accounts payable and other accrued liabilities' in the condensed consolidated balance sheets as of March 31, 2017 and September 30, 2016. The acquisition date fair value of additional consideration is remeasured to its fair value each reporting period, with changes in fair value recorded in current earnings. The change in fair value during the six months ended

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March 31, 2017 and 2016 were increases of \$0.1 million and \$0.3 million, respectively, and are included in ‘other’ in the condensed consolidated income statements.

The Company has a contingent liability relating to the January 2015 acquisition of G.X. Clarke, which may result in the payment of additional purchase price consideration. The contingent consideration in no event shall exceed \$1.5 million. The estimated total purchase price, including contingent consideration, is \$28.7 million as of March 31, 2017, of which \$0.9 million remains outstanding and is included in ‘accounts payable and other accrued liabilities’ in the condensed consolidated balance sheet.

Self-Insurance

The Company self-insures its costs related to medical and dental claims. The Company is self-insured, up to a stop loss amount, for eligible participating employees and retirees, and for qualified dependent medical and dental claims, subject to deductibles and limitations. As of March 31, 2017, the Company had \$0.9 million accrued for self-insured medical and dental claims included in ‘accounts payable and other liabilities’ in the condensed consolidated balance sheet.

Note 12 – Capital and Other Regulatory Requirements

The Company’s activities are subject to significant governmental regulation, both in the United States and overseas. The subsidiaries of the Company were in compliance with all of their regulatory requirements as of March 31, 2017, as follows:

(in millions)

Subsidiary	Regulatory Authority	Jurisdiction	Requirement Type	As of March 31, 2017	
				Actual	Minimum Requirement
INTL FCStone Financial Inc.	Securities and Exchange Commission ("SEC") and Commodity Futures Trading Commission ("CFTC")	United States	Net capital	\$ 146.7	\$ 83.4
INTL FCStone Financial Inc.	CFTC	United States	Segregated funds	\$ 2,127.0	\$ 2,075.6
INTL FCStone Financial Inc.	CFTC	United States	Secured funds	\$ 145.5	\$ 128.7
Sterne Agee Clearing Inc.	SEC	United States	Net capital	\$ 1.3	\$ 0.1
Sterne, Agee & Leach, Inc.	SEC	United States	Net capital	\$ 28.0	\$ 2.0
Sterne Agee Financial Services, Inc.	SEC	United States	Net capital	\$ 5.9	\$ 0.3
INTL FCStone Ltd ⁽¹⁾	Financial Conduct Authority ("FCA")	United Kingdom	Net capital	\$ 159.6	\$ 87.1
INTL FCStone Ltd	FCA	United Kingdom	Segregated funds	\$ 72.0	\$ 69.4
INTL Netherlands BV ⁽¹⁾	FCA	United Kingdom	Net capital	\$ 158.9	\$ 87.1
INTL FCStone DTVM Ltda.	Brazilian Central Bank and Securities and Exchange Commission of Brazil	Brazil	Capital adequacy	\$ 9.6	\$ 0.5
INTL Gainvest S.A.	National Securities Commission ("CNV")	Argentina	Capital adequacy	\$ 5.3	\$ 0.2
INTL Gainvest S.A.	CNV	Argentina	Net capital	\$ 0.8	\$ 0.1
INTL Capital S.A.	General Inspector of Justice (Argentina)	Argentina	Net capital	\$ 10.7	\$ 9.2
INTL CIBSA S.A.	CNV	Argentina	Capital adequacy	\$ 5.5	\$ 1.1
INTL CIBSA S.A.	CNV	Argentina	Net capital	\$ 7.1	\$ 0.6

⁽¹⁾ INTL Netherlands BV is a holding company that includes the ownership equity of INTL FCStone Ltd. The associated net capital amounts and minimum requirements should not be considered in aggregate.

Sterne, Agee & Leach, Inc. is also subject to Rule 15c3-3 of the Securities Exchange Act of 1934, as amended (“Customer Protection Rule”) inclusive of computations for proprietary accounts of broker-dealers (“PABs”). As of March 31, 2017, Sterne, Agee & Leach, Inc. had \$7.8 million of cash in a Special Reserve Bank Account (“SRBA”) for the exclusive benefit of customers under the Customer Protection Rule pursuant to SEC Rule 15c3-3, *Computation for Determination of Reserve Requirements*. Also, as of March 31, 2017, Sterne, Agee & Leach, Inc. had \$6.0 million of cash in a SRBA pursuant to SEC Rule 15c3-3, *Computation for Determination of PAB Reserve Requirements*. As of March 31, 2017, the amount on deposit in both the customers and the PABs SRBA was less than the reserve requirement and additional funds were deposited subsequent to period-end.

Certain other non-U.S. subsidiaries of the Company are also subject to capital adequacy requirements promulgated by authorities of the countries in which they operate. As of March 31, 2017, these subsidiaries were in compliance with their local capital adequacy requirements.

Note 13 – Other Expenses

Other expenses for the three and six months ended March 31, 2017 and 2016 consisted of the following:

(in millions)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Contingent consideration, net	\$ 0.1	\$ 0.1	\$ 0.1	\$ 0.3
Insurance	0.8	0.3	1.3	0.7
Advertising, meetings and conferences	1.2	2.3	2.1	3.0
Non-trading hardware and software maintenance and software licensing	2.8	1.3	5.7	2.8
Office supplies and printing	0.5	0.3	1.1	0.6
Other clearing related expenses	0.3	0.3	0.7	0.5
Other non-income taxes	1.2	1.1	2.3	2.1
Other	2.5	1.7	4.6	3.7
Total other expenses	\$ 9.4	\$ 7.4	\$ 17.9	\$ 13.7

Note 14 – Accumulated Other Comprehensive Loss

Comprehensive income consists of net income and other gains and losses affecting stockholders' equity that, under U.S. GAAP, are excluded from net income. Other comprehensive income (loss) includes net actuarial losses from defined benefit pension plans and gains and losses on foreign currency translations.

The following table summarizes the changes in accumulated other comprehensive loss for the six months ended March 31, 2017.

(in millions)	Foreign Currency Translation Adjustment	Pension Benefits Adjustment	Accumulated Other Comprehensive Loss
Balances as of September 30, 2016	\$ (20.1)	\$ (4.5)	\$ (24.6)
Other comprehensive loss, net of tax	(0.2)	—	(0.2)
Balances as of March 31, 2017	\$ (20.3)	\$ (4.5)	\$ (24.8)

Note 15 – Income Taxes

In determining the quarterly provision for income taxes, management uses an estimated annual effective tax rate which is based on the expected annual income and statutory tax rates in the various jurisdictions in which it operates. The Company's effective tax rate differs from the U.S. statutory rate primarily due to state and local taxes, and differing statutory tax rates applied to the income of non-U.S. subsidiaries. The Company records the tax effect of certain discrete items, including the effects of changes in tax laws, tax rates and adjustments with respect to valuation allowances or other unusual or nonrecurring tax adjustments, in the interim period in which they occur, as an addition to, or reduction from, the income tax provision, rather than being included in the estimated effective annual income tax rate. In addition, jurisdictions with a projected loss for the year or a year-to-date loss where no tax benefit can be recognized are excluded from the estimated annual effective income tax rate.

The Company is required to assess its deferred tax assets and the need for a valuation allowance at each reporting period. This assessment requires judgment on the part of management with respect to benefits that may be realized. The Company will record a valuation allowance against deferred tax assets when it is considered more likely than not that all or a portion of the deferred tax assets will not be realized.

The valuation allowance for deferred tax assets as of March 31, 2017 and September 30, 2016 was \$3.6 million. The valuation allowances as of March 31, 2017 and September 30, 2016 were primarily related to U.S. state and local and foreign net operating loss carryforwards that, in the judgment of management, are not more likely than not to be realized. In assessing the realizability of deferred tax assets, management considers whether it is more likely than not that some or all of the deferred tax assets will not be realized.

The Company incurred U.S. federal, state, and local taxable income (losses) for the fiscal years ended September 30, 2016, 2015, and 2014 of \$(9.7) million, \$16.5 million, and \$(18.4) million, respectively. There are no significant differences between actual levels of past taxable income and the results of operations, before income taxes in these jurisdictions. When evaluating if U.S. federal, state, and local deferred tax assets are realizable, the Company considered deferred tax liabilities of \$4.5 million that are scheduled to reverse from 2017 to 2019 and \$1.3 million of deferred tax liabilities associated with unrealized gains in securities which the Company could sell, if necessary. Furthermore, the Company considered its ability to implement business

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and tax planning strategies that would allow the remaining U.S. federal, state, and local deferred tax assets, net of valuation allowances, to be realized within approximately 11 years. Based on the tax planning strategies that are prudent and feasible, management believes that it is more likely than not that the Company will realize the tax benefit of the deferred tax assets, net of the existing valuation allowance, in the future. However, the realization of deferred income taxes is dependent on future events, and changes in estimates in future periods could result in adjustments to the valuation allowance.

Income tax expense of \$3.3 million and \$5.5 million for the three months ended March 31, 2017 and 2016 and income tax expense of \$5.4 million and \$8.8 million for the six months ended March 31, 2017 and 2016, respectively, reflect estimated federal, foreign and state taxes.

For the three months ended March 31, 2017 and 2016, the Company's effective tax rate was 23% and 28%, respectively. For the six months ended March 31, 2017 and 2016, the Company's effective tax rate was 24% and 27%, respectively. The effective tax rate during both periods, after consideration for discrete items, was lower than the U.S. federal statutory rate primarily due to a higher mix of earnings taxed at lower rates in foreign jurisdictions.

The Company and its subsidiaries file income tax returns with the U.S. federal jurisdiction and various state and foreign jurisdictions. The Company has open tax years ranging from September 30, 2008 through September 30, 2016 with U.S. federal and state and local taxing authorities. In the U.K., the Company has open tax years ending September 30, 2015 to September 30, 2016. In Brazil, the Company has open tax years ranging from December 31, 2011 through December 31, 2016. In Argentina, the Company has open tax years ranging from September 30, 2009 to September 30, 2016.

Note 16 – Acquisitions

ICAP's EMEA Oils Broking Business

In September 2016, the Company's subsidiary, INTL FCStone Ltd ("IFL"), reached an agreement to acquire the London-based EMEA oils business of ICAP Plc. The acquisition was effective on October 1, 2016, after IFL received approval from the U.K. Competition and Markets Authority. The business included over 30 front office employees across the fuel, crude, middle distillates, futures and options desks with deep-rooted relationships with over 200 well known commercial and institutional customers throughout Europe, the Middle East and Africa. The terms of the agreement included cash consideration of \$6.0 million paid directly to ICAP as well as incentive amounts payable to employees acquired based upon their continued employment. The cash consideration paid to ICAP was dependent upon the number of brokers who accepted IFL's employment offer. The transaction was accounted for as an asset acquisition in accordance with FASB ASC 805-50 and FASB ASC 350. The cash consideration paid was allocated entirely to the intangible asset recognized related to the customer relationships acquired. The intangible asset was assigned to the Clearing and Execution Services segment and will be amortized over a useful life of 5 years.

Note 17 – Segment Analysis

The Company reports its operating segments based on services provided to customers. The Company's business activities are managed as operating segments and organized into reportable segments as follows:

- *Commercial Hedging* (includes components Financial Agricultural (Ag) & Energy and LME Metals)
- *Global Payments*
- *Securities* (includes components Equity Market-Making, Debt Trading, Investment Banking, and Asset Management)
- *Physical Commodities* (includes components Precious Metals and Physical Ag & Energy)
- *Clearing and Execution Services* (includes components Exchange-traded Futures & Options, FX Prime Brokerage, Correspondent Clearing, Independent Wealth Management and Derivative Voice Brokerage)

The total revenues reported combine gross revenues for the physical commodities business for subsidiaries that are not broker-dealers and net revenues for all other businesses. In order to reflect the way that the Company's management views the results, the table below also reflects the segment contribution to 'operating revenues', which is shown on the face of the condensed consolidated income statements and which is calculated by deducting physical commodities cost of sales from total revenues.

Segment data includes the profitability measure of net contribution by segment. Net contribution is one of the key measures used by management to assess the performance of each segment and for decisions regarding the allocation of the Company's resources. Net contribution is calculated as revenue less direct cost of sales, transaction-based clearing expenses, variable compensation, introducing broker commissions, and interest expense. Variable compensation paid to risk management consultants/traders generally represents a fixed percentage of an amount equal to revenues generated, and in some cases, revenues produced less transaction-based clearing charges, base salaries and an overhead allocation.

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Segment data also includes segment income which is calculated as net contribution less non-variable direct expenses of the segment. These non-variable direct expenses include trader base compensation and benefits, operational employee compensation and benefits, communication and data services, business development, professional fees, bad debt expense and other direct expenses.

Inter-segment revenues, charges, receivables and payables are eliminated upon consolidation, except revenues and costs related to foreign currency transactions undertaken on an arm's length basis by the foreign exchange trading business for the securities business.

On a recurring basis, the Company sweeps excess cash from certain operating segments to a centralized corporate treasury function in exchange for an intercompany receivable asset. The intercompany receivable asset is eliminated during consolidation, and therefore this practice may impact reported total assets between segments.

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Information for the reportable segments is shown in accordance with the Segment Reporting Topic of the ASC as follows:

(in millions)	Three Months Ended March 31,		Six Months Ended March 31,	
	2017	2016	2017	2016
Total revenues:				
Commercial Hedging	\$ 62.7	\$ 54.7	\$ 120.2	\$ 110.1
Global Payments	21.5	17.4	44.6	35.7
Securities	37.9	45.6	75.3	94.4
Physical Commodities	5,276.2	3,550.7	11,174.9	6,805.2
Clearing and Execution Services	64.2	33.3	127.8	63.1
Corporate unallocated	(1.7)	7.2	(7.6)	0.3
Total	\$ 5,460.8	\$ 3,708.9	\$ 11,535.2	\$ 7,108.8
Operating revenues (loss):				
Commercial Hedging	\$ 62.7	\$ 54.7	\$ 120.2	\$ 110.1
Global Payments	21.5	17.4	44.6	35.7
Securities	37.9	45.6	75.3	94.4
Physical Commodities	11.2	7.9	21.0	13.8
Clearing and Execution Services	64.2	33.3	127.8	63.1
Corporate unallocated	(1.7)	7.2	(7.6)	0.3
Total	\$ 195.8	\$ 166.1	\$ 381.3	\$ 317.4
Net operating revenues (loss):				
Commercial Hedging	\$ 50.5	\$ 43.6	\$ 96.1	\$ 87.9
Global Payments	19.1	15.5	39.7	31.8
Securities	24.1	31.8	49.2	67.8
Physical Commodities	9.0	6.8	17.1	11.5
Clearing and Execution Services	25.4	10.4	49.5	20.8
Corporate unallocated	(4.2)	4.8	(13.4)	(4.2)
Total	\$ 123.9	\$ 112.9	\$ 238.2	\$ 215.6
Net contribution:				
(Revenues less cost of sales of physical commodities, transaction-based clearing expenses, variable bonus compensation, introducing broker commissions and interest expense)				
Commercial Hedging	\$ 36.9	\$ 30.5	\$ 70.3	\$ 62.2
Global Payments	15.3	12.4	31.7	25.4
Securities	18.9	25.0	38.7	54.5
Physical Commodities	6.5	5.3	12.3	8.7
Clearing and Execution Services	19.6	8.2	37.6	16.1
Total	\$ 97.2	\$ 81.4	\$ 190.6	\$ 166.9
Segment income:				
(Net contribution less non-variable direct segment costs)				
Commercial Hedging	\$ 18.7	\$ 13.8	\$ 34.1	\$ 28.8
Global Payments	11.7	9.3	24.9	19.3
Securities	11.7	18.2	24.6	40.1
Physical Commodities	3.9	1.9	6.9	2.9
Clearing and Execution Services	7.9	3.5	13.6	7.0
Total	\$ 53.9	\$ 46.7	\$ 104.1	\$ 98.1
Reconciliation of segment income to income before tax:				
Segment income	\$ 53.9	\$ 46.7	\$ 104.1	\$ 98.1
Net costs not allocated to operating segments	39.6	26.7	81.4	66.0
Income before tax	\$ 14.3	\$ 20.0	\$ 22.7	\$ 32.1
(in millions)				
Total assets:				
Commercial Hedging			\$ 1,654.0	\$ 1,637.5
Global Payments			172.4	191.4
Securities			2,611.0	2,130.7
Physical Commodities			309.1	258.0
Clearing and Execution Services			1,651.2	1,617.4
			As of March 31, 2017	As of September 30, 2016

Corporate unallocated	130.9	115.3
Total	<u>\$ 6,528.6</u>	<u>\$ 5,950.3</u>

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

Throughout this document, unless the context otherwise requires, the terms “Company”, “we”, “us” and “our” refer to INTL FCStone Inc. and its consolidated subsidiaries. INTL FCStone Inc. is a Delaware corporation.

The following discussion and analysis should be read in conjunction with the financial statements and notes thereto appearing elsewhere in this report. This Quarterly Report on Form 10-Q contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements involve known and unknown risks and uncertainties, many of which are beyond the control of INTL FCStone Inc. and its subsidiaries, including adverse changes in economic, political and market conditions, losses from our market-making and trading activities arising from counter-party failures and changes in market conditions, the possible loss of key personnel, the impact of increasing competition, the impact of changes in government regulation, the possibility of liabilities arising from violations of federal and state securities laws and the impact of changes in technology in the securities and commodities trading industries. Although we believe that our forward-looking statements are based upon reasonable assumptions regarding our business and future market conditions, there can be no assurances that our actual results will not differ materially from any results expressed or implied by our forward-looking statements. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. We caution readers that any forward-looking statements are not guarantees of future performance.

Overview

INTL FCStone Inc. is a diversified global financial services organization providing execution, risk management and advisory services, market intelligence, and clearing services across asset classes and markets around the world. We help our customers access market liquidity, maximize profits and manage risk.

We are a leader in the development of specialized financial services in commodities, securities, global payments, foreign exchange and other markets. Our revenues are derived primarily from financial products and advisory services intended to fulfill our customers’ real needs and provide bottom-line benefits to their businesses. We work to create added value for our customers by providing access to global financial markets using our industry and financial expertise, deep partner and network relationships, insight and guidance, and integrity and transparency. We believe our customer-first approach differentiates us from large banking institutions, engenders trust, and has enabled us to establish leadership positions in a number of complex fields in financial markets around the world.

Our leadership positions span markets such as commodity risk management advisory services; global payments; market-making in international equities and other securities; fixed income; correspondent securities clearing and independent wealth management; physical trading and hedging of precious metals and select other commodities; execution of listed futures and options on futures contracts on all major commodity exchanges and foreign currency trading, among others. These businesses are supported by our global infrastructure of regulated operating subsidiaries, advanced technology platform and team of more than 1,500 employees. We currently serve more than 20,000 predominantly wholesale organizations, located in more than 130 countries. Our recent acquisition of the Sterne Agee correspondent clearing and independent wealth management businesses added approximately 50 correspondent clearing relationships with more than 120,000 accounts, of which 65,000 are related to the independent wealth management business acquired.

Our customers include producers, processors and end-users of nearly all widely traded physical commodities; commercial counterparties who are end-users of our products and services; governmental and non-governmental organizations; and commercial banks, asset managers, introducing broker-dealers, insurance companies, brokers, institutional investors and major investment banks. We believe our customers value us for our focus on their needs, our expertise and flexibility, our global reach, our ability to provide access to hard-to-reach markets and opportunities, and our status as a well-capitalized and regulatory-compliant organization.

We believe we are well positioned to capitalize on key trends impacting the financial services sector. Among others, these trends include the impact of increased regulation on banking institutions and other financial services providers; increased consolidation, especially of smaller sub-scale financial services providers and independent securities clearing firms; the growing importance and complexity of conducting secure cross-border transactions; and the demand among financial institutions to transact with well-capitalized counterparties.

We focus on mitigating exposure to market risk, ensuring adequate liquidity to maintain daily operations and making non-interest expenses variable, to the greatest extent possible.

Executive Summary

We achieved 18%, or \$29.7 million, growth in operating revenues in the second quarter compared to the prior year, with growth in our Clearing and Execution Services ("CES"), Commercial Hedging, Global Payments and Physical Commodities segments, partially offset by lower operating revenues in our Securities segment. Our CES segment increased operating revenues by \$30.9 million, primarily related to contributions from our recent acquisition of the correspondent securities clearing and independent wealth management businesses of Sterne Agee and ICAP plc's London-based EMEA oil voice brokerage business of \$25.4 million and \$6.5 million, respectively.

Net income declined 24% to \$11.0 million in the second quarter, as the current quarter included a \$0.2 million pre-tax unrealized loss on U.S. Treasury notes held as part of our interest rate management strategy compared to a \$6.9 million pre-tax unrealized gain in the prior year period. The acquired correspondent securities clearing and independent wealth management were break-even during the second quarter as the additional Corporate unallocated expenses in these acquired businesses offset their contributed segment income. This was, however, an improvement over the \$0.6 million net loss recognized in these businesses in the immediately preceding first quarter of fiscal 2017.

Overall, segment income increased 15%, with the Commercial Hedging and CES segments increasing \$4.9 million and \$4.4 million, respectively. In addition, the Global Payment segment increased segment income by \$2.4 million while Physical Commodities segment income increased \$2.0 million. These gains were partially offset by a \$6.5 million decline in our Securities segment.

Commercial Hedging segment income increased \$4.9 million, primarily as a result of an increase in exchange-traded and OTC volumes in the domestic and South American agricultural markets, which was partially offset by an increase in non-variable direct expenses.

CES segment income increased \$4.4 million, primarily as a result of the acquisition of the correspondent securities clearing and independent wealth management businesses of Sterne Agee in the fourth quarter of fiscal 2016 as well as the acquisition of ICAP plc's London-based EMEA oil voice brokerage business at the beginning of our current year first quarter. The Sterne Agee businesses contributed \$3.8 million in segment income in the second quarter while the Derivative Voice Brokerage business contributed \$1.2 million. These increases were partially offset by a \$1.0 million decline in FX Prime Brokerage segment income.

Finally, the decline in Securities segment income was primarily due to very strong performance in the prior year period in both Debt Trading and Asset Management in our Argentina operations as well as in our Equity Market Making business, which experienced both lower gross dollar volumes and spreads compared to the prior year period.

On the expense side, we continue to focus on maintaining our variable cost model and limiting the growth of our non-variable expenses. To that end, variable expenses were 57% of total expenses in both the second quarter and the prior year. Non-variable expenses increased 23% year-over-year, primarily as a result of \$10.5 million in incremental expenses, including non-variable compensation, trade system costs, equipment and office space rental, professional fees and market information, from the acquisition of the Sterne Agee and ICAP businesses.

Accounting Development Updates

In October 2016, the FASB issued ASU 2016-16, Income Taxes (Topic 740): Intra-Entity Transfers of Assets Other Than Inventory. This ASU requires entities to recognize at the transaction date the income tax consequences of intercompany asset transfers other than inventory. This ASU is effective for public business entities for annual and interim periods in fiscal years beginning after December 15, 2017. The adoption of this standard should be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings as of the beginning of the period of adoption. The Company expects to adopt this guidance starting with the first quarter of fiscal year 2019. The adoption of this standard is not expected to have a material impact on the financial statements.

In November 2016, the FASB issued ASU 2016-18, Statement of Cash Flows (Topic 230): Restricted Cash. This ASU requires companies to include cash and cash equivalents that have restrictions on withdrawal or use in total cash and cash equivalents on the statement of cash flows. This ASU is effective for public business entities for annual and interim periods in fiscal years beginning after December 15, 2017. The adoption of this standard should be applied using a retrospective transition method to each period presented. The Company expects to adopt this guidance starting with the first quarter of fiscal year 2019. The Company has not yet determined the impact of this Update on its financial position, results of operations and cash flows.

In January 2017, the FASB issued ASU 2017-04, Intangibles - Goodwill and Other: Simplifying the Test for Goodwill Impairment, which eliminates Step 2 of the goodwill impairment test. Companies will now perform their goodwill impairment test by comparing the fair value of a reporting unit with its carrying amount. An entity will recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value. This ASU is effective for public business entities for its annual or any interim goodwill impairment tests beginning in periods after December 15, 2019. The Company expects to adopt this guidance starting with the first quarter of fiscal year 2021. The Company does not expect this Update to have a significant impact on its financial position, results of operations and cash flows.

In February 2017, the FASB issued ASU 2017-05 addressing the derecognition of nonfinancial assets. The guidance defines in substance nonfinancial assets, and states that the derecognition of business activities should be evaluated under the consolidation guidance. The standard eliminates the previous exclusion for businesses that are in-substance real estate, and eliminates some differences based on whether a transferred set is that of assets or a business and whether the transfer is to a joint venture. The standard must be implemented in conjunction with the implementation date of the revenue recognition accounting standard update, which the Company will adopt on October 1, 2018. The Company plans to adopt the new standard using the modified retrospective method and are in the process of determining the impact of the guidance on the consolidated financial statements together with our evaluation of the new revenue recognition standard, as described further below.

In March 2017, the FASB issued ASU 2017-07 requiring that the service cost component of pension and postretirement benefit costs be presented in the same line item as other current employee compensation costs and other components of those benefit costs be presented separately from the service cost component and outside a subtotal of income from operations, if presented. The update also requires that only the service cost component of pension and postretirement benefit cost is eligible for capitalization. The update is effective for annual periods beginning after December 15, 2017 and interim periods within that annual period. The Company expects to adopt this guidance starting with the first quarter of fiscal year 2019. Application is retrospective for the presentation of the components of these benefit costs and prospective for the capitalization of only service costs. Early adoption is permitted. The Company does not expect application of this guidance to have a material impact on our consolidated financial statements.

In May 2014, the FASB issued ASU 2014-09, Revenue from Contracts with Customers (Topic 606). ASU 2014-09 completes the joint effort by the FASB and International Accounting Standards Board (IASB) to improve financial reporting by creating common revenue recognition guidance for GAAP and International Financial Reporting Standards (IFRS). In March 2016, the FASB issued ASU 2016-08, "Revenue from Contracts with Customers (Topic 606): Principal versus Agent Considerations (Reporting Revenue Gross versus Net)." ASU 2016-08 clarifies the implementation guidance on principal versus agent considerations. In April 2016, the FASB issued ASU 2016-10, "Revenue from Contracts with Customers (Topic 606): Identifying Performance Obligations and Licensing." ASU 2016-10 clarifies the implementation guidance on identifying performance obligations. These ASUs apply to all companies that enter into contracts with customers to transfer goods or services. These ASUs are effective for public entities for interim and annual reporting periods beginning after December 15, 2017. Early adoption is permitted only as of annual reporting periods beginning after December 15, 2016, including interim periods within that reporting period. The Company expects to adopt this guidance starting with the first quarter of fiscal year 2019. Entities have the choice to apply these ASUs either retrospectively to each reporting period presented or by recognizing the cumulative effect of applying these standards at the date of initial application and not adjusting comparative information. The Company plans to adopt the new standard using the modified retrospective method which will result in a cumulative effect adjustment as of the date of adoption. By selecting this adoption method, the Company will disclose the amount, if any, by which each financial statement line item is affected by the standard in the current reporting period as compared with the guidance that was in effect before adoption. The Company's implementation efforts include identifying revenues and costs

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within the scope of the ASU, reviewing contracts, and analyzing any changes to its existing revenue recognition policies. As a result of the initial evaluation performed, the Company does not expect that there will be material changes to the timing of revenue, but does anticipate certain changes to the classification of revenue in the consolidated income statements. The Company also expects additional disclosures to be provided in its consolidated financial statements after adoption of the new standard. The Company will continue to monitor additional modifications, clarifications or interpretations by the FASB that may impact its current conclusions, and will provide further updates in future periods.

Selected Summary Financial Information

Results of Operations

Total revenues reported combine gross revenues for the physical commodities business and net revenues for all other businesses. In order to reflect the way that we view the results, the table below reflects the calculation of the subtotal 'operating revenues', which is calculated by deducting physical commodities cost of sales from total revenues. Set forth below is a discussion of the results of our operations, as viewed by management, for the three and six months ended March 31, 2017 and 2016.

Financial Information (Unaudited)

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Revenues:						
Sales of physical commodities	\$ 5,273.3	49 %	\$ 3,548.0	\$ 11,169.3	64 %	\$ 6,800.6
Trading gains, net	84.0	4 %	80.7	167.0	4 %	160.4
Commission and clearing fees	70.3	35 %	52.1	139.5	38 %	101.2
Consulting and management fees	15.5	61 %	9.6	31.2	62 %	19.3
Interest income	17.7	(4)%	18.5	28.1	3 %	27.2
Other income	—	—	—	0.1	—%	0.1
Total revenues	5,460.8	47 %	3,708.9	11,535.2	62 %	7,108.8
Cost of sales of physical commodities	5,265.0	49 %	3,542.8	11,153.9	64 %	6,791.4
Operating revenues	195.8	18 %	166.1	381.3	20 %	317.4
Transaction-based clearing expenses	33.7	2 %	32.9	67.3	7 %	62.7
Introducing broker commissions	28.2	114 %	13.2	56.9	119 %	26.0
Interest expense	10.0	41 %	7.1	18.9	44 %	13.1
Net operating revenues	123.9	10 %	112.9	238.2	10 %	215.6
Compensation and other expenses	109.6	18 %	92.9	215.5	17 %	183.5
Income before tax	14.3	(29)%	20.0	22.7	(29)%	32.1
Income tax expense	3.3	(40)%	5.5	5.4	(39)%	8.8
Net income	\$ 11.0	(24)%	\$ 14.5	\$ 17.3	(26)%	\$ 23.3
Balance Sheet information:						
Total assets	\$ 6,528.6	15 %	\$ 5,657.9			
Payables to lenders under loans	\$ 263.4	74 %	\$ 151.5			
Senior unsecured notes	\$ —	(100)%	\$ 45.5			
Stockholders' equity	\$ 455.7	12 %	\$ 408.2			

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The selected data table below reflects key operating metrics used by management in evaluating our product lines, for the periods indicated:

	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Volumes and Other Data:						
Exchange-traded - futures and options (contracts, 000's)	25,460.0	(4)%	26,596.2	49,572.7	(2)%	50,821.3
OTC (contracts, 000's)	350.8	16 %	302.0	652.7	6 %	616.7
Global Payments (# of payments, 000's)	153.7	52 %	101.1	300.3	53 %	196.7
Gold equivalent ounces traded (000's)	27,239.4	26 %	21,619.3	51,568.6	14 %	45,139.1
Equity Market-Making (gross dollar volume, millions)	\$ 23,631.3	(3)%	\$ 24,475.6	\$ 45,986.6	(3)%	\$ 47,559.7
Debt Trading (gross dollar volume, millions)	\$ 37,429.2	41 %	\$ 26,476.9	\$ 70,474.8	45 %	\$ 48,583.5
FX Prime Brokerage volume (U.S. notional, millions)	\$ 171,593.1	11 %	\$ 154,108.5	\$ 341,465.7	23 %	\$ 278,660.1
Average assets under management in Argentina (U.S. dollar, millions)	\$ 548.9	6 %	\$ 515.4	\$ 529.4	(9)%	\$ 581.9
Average customer equity - futures and options (millions)	\$ 2,015.6	11 %	\$ 1,817.0	\$ 2,046.9	12 %	\$ 1,820.9

Operating Revenues

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues increased 18% to \$195.8 million in the second quarter compared to \$166.1 million in the prior year. Operating revenue growth was driven by a \$30.9 million increase in our CES segment, primarily as a result of incremental operating revenues from our recent acquisitions. In addition, Commercial Hedging operating revenues increased \$8.0 million, while operating revenues in our Global Payment and Physical Commodities segments, grew \$4.1 million and \$3.3 million respectively. Offsetting this revenue growth was a \$7.7 million decline in operating revenues within our Securities segment.

Operating revenues for the second quarter include a \$0.2 million pre-tax unrealized loss on U.S. Treasury notes held as part of our interest rate management strategy. The prior year period included a \$6.9 million pre-tax unrealized gain on interest rate swaps and U.S. Treasury notes held as part of our interest rate management strategy. On a segment basis, these unrealized losses are reported in the Corporate unallocated segment, while the amortized earnings on these investments are included in the Commercial Hedging and CES segments. During the second quarter, we sold \$865.0 million of U.S. Treasury notes under this strategy, leaving \$290.0 million of U.S. Treasury notes outstanding, which will mature in calendar 2017. The U.S. Treasury notes and interest rate swaps are not designated for hedge accounting treatment, and changes in their fair values, which are volatile and can fluctuate from period to period, are included in operating revenues in the current period.

Operating revenues in our CES segment increased \$30.9 million to \$64.2 million in the second quarter, primarily as a result of the acquisition of the Sterne Agee Correspondent Clearing and Independent Wealth Management businesses at the beginning of the fourth quarter of fiscal 2016, which added \$25.4 million in operating revenues in the second quarter. Also contributing to the revenue growth was the acquisition of ICAP plc's London-based EMEA oil voice brokerage business, at the beginning of the first quarter of fiscal 2017, which contributed \$6.5 million to second quarter operating revenues. The Exchange-traded Futures & Options business added \$0.3 million in operating revenues as a result of an increase in the average rate per contract, while the FX Prime Brokerage business declined \$1.3 million, despite a 11% increase in customer volume.

Operating revenues in Commercial Hedging increased 15% in the second quarter to \$62.7 million, as exchange-traded revenues increased \$2.3 million and OTC revenues increased \$4.1 million versus the prior year. A 6% increase in customer contract volumes, primarily in agricultural markets, drove the increase in exchange-traded revenues. OTC revenues increased as a result of a 16% increase in customer OTC volumes, primarily in the domestic and South American grain markets.

Operating revenues in our Global Payments segment increased 24% in the second quarter to \$21.5 million, as a result of a 52% increase in the number of global payments made which was partially offset by a narrowing of spreads in this business due to an increase in volume of smaller transactions from financial institutions.

Our Physical Commodity segment operating revenues increased 42% to \$11.2 million, primarily as a result of a \$2.5 million increase in Physical Ag & Energy operating revenues as well as an \$0.8 million increase in Precious Metals operating revenues driven by both increased customer volumes and a widening of spreads.

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Operating revenues in our Securities segment declined 17% to \$37.9 million in the second quarter compared to the prior year. The Equity Market-Making business declined \$3.9 million as a result of a 3% decline in the gross dollar volume traded and lower volatility, which resulted in the narrowing of spreads as compared to a strong prior year period. Investment Banking and Asset Management operating revenues declined \$1.2 million and \$2.5 million, respectively, as the prior year period reflected strong performance in our Argentina operations. Operating revenues in our Debt Trading business were relatively flat with the prior year, declining \$0.1 million versus the prior year, with strong revenue growth in the domestic institutional fixed income business being more than offset by lower revenues in Argentina.

Interest income declined \$0.8 million to \$17.7 million in the second quarter compared to prior year, with increases in interest income in our operating segments, more than offset by a decline in our Corporate unallocated segment as discussed above. The acquisition of the Sterne Agee Correspondent Clearing business added an incremental \$1.2 million in interest income. In addition, average customer equity in the Financial Ag & Energy and Exchange-traded Futures & Options components of our Commercial Hedging and CES segments increased 11% to \$2.0 billion in the second quarter compared to the prior year, which combined with an increase in short-term interest rates resulted in an aggregate \$2.2 million increase in interest income in these businesses.

See Segment Information below for additional information on activity in each of the segments.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues increased 20% to \$381.3 million in the current six months ended compared to \$317.4 million in the prior year. Operating revenue growth was driven by a \$64.7 million increase in our CES segment, primarily as a result of incremental operating revenues from our recent acquisitions. In addition, Commercial Hedging operating revenues increased \$10.1 million, while operating revenues in our Global Payment and Physical Commodities segments, grew \$8.9 million and \$7.2 million respectively. Offsetting this revenue growth was a \$19.1 million decline in operating revenues within our Securities segment.

Operating revenues for the current six months ended include a \$5.8 million pre-tax unrealized loss on interest rate swaps and U.S. Treasury notes held as part of our interest rate management strategy. The prior year period included a \$0.2 million pre-tax unrealized gain on interest rate swaps and U.S. Treasury notes held as part of our interest rate management strategy. On a segment basis, these unrealized losses are reported in the Corporate unallocated segment, while the amortized earnings on these investments are included in the Commercial Hedging and CES segments. The U.S. Treasury notes and interest rate swaps are not designated for hedge accounting treatment, and changes in their fair values, which are volatile and can fluctuate from period to period, are included in operating revenues in the current period.

Operating revenues in our CES segment increased \$64.7 million to \$127.8 million in the current six months ended, primarily as a result of the acquisition of the Sterne Agee Correspondent Clearing and Independent Wealth Management businesses at the beginning of the fourth quarter of fiscal 2016, which added \$49.1 million in operating revenues in the current six months ended. Also contributing to the revenue growth was the acquisition of ICAP plc's London-based EMEA oil voice brokerage business, at the beginning of the first quarter of fiscal 2017, which contributed \$13.0 million to the current six months ended operating revenues. The Exchange-traded Futures & Options business added \$4.2 million in operating revenues as a result of an increase in the average rate per contract, while the FX Prime Brokerage business declined \$1.6 million, despite a 23% increase in customer volumes.

Operating revenues in Commercial Hedging increased 9% in the current six months ended to \$120.2 million, as exchange-traded revenues increased \$6.7 million and OTC revenues increased \$0.9 million. A 5% increase in customer contract volumes, particularly in the agricultural and LME markets, drove the increase in exchange-traded revenues. OTC revenues increased as a result of a 6% increase in customer OTC volumes, most notably in the domestic and South American grain markets.

Operating revenues in our Global Payments segment increased 25% in the current six months ended to \$44.6 million, as a result of a 53% increase in the number of global payments made which was partially offset by a narrowing of spreads in this business due to an increase in volume of smaller transactions from financial institutions.

Our Physical Commodity segment operating revenues increased 52% to \$21.0 million, primarily as a result of a \$5.5 million increase in Physical Ag & Energy operating revenues as well as a \$1.7 million increase in Precious Metals operating revenues driven by both increased customer volumes and a widening of spreads.

Operating revenues in our Securities segment declined 20% to \$75.3 million in the current six months ended compared to the prior year. The Debt Trading and Asset Management businesses declined \$8.1 and \$6.0 million, respectively, as the prior year period reflected strong performance in our Argentina operations in these businesses following the devaluation of the Argentine Peso in December 2015. In addition, Equity Market-Making operating revenues declined \$3.3 million as a result of a 3% decline in the gross dollar volume traded and Investment Banking operating revenues declined \$1.7 million due both to weaker results in Argentina and management's decision to exit our domestic investment banking business.

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Interest income increased \$0.9 million to \$28.1 million in the current six months ended compared to prior year, primarily driven by the acquisition of the Sterne Agee Correspondent Clearing business, which added \$2.4 million in interest income. In addition, average customer equity in the Financial Ag & Energy and Exchange-traded Futures & Options components of our Commercial Hedging and CES segments increased 12% to \$2.0 billion in the current six months ended compared to the prior year, which combined with an increase in short term interest rates resulted in an aggregate \$3.4 million increase in interest income in these businesses. These increases in interest income were partially offset by the \$5.4 million decline in the mark-to-market valuation on U.S. Treasury notes.

See Segment Information below for additional information on activity in each of the segments.

Interest and Transactional Expenses

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Transaction-based clearing expenses: Transaction-based clearing expenses increased 2% to \$33.7 million in the second quarter compared to \$32.9 million in the prior year, and were 17% of operating revenues in the second quarter compared to 20% in the prior year. The increase in expense is related to the incremental trading activity from our acquisition of the Sterne Agee Correspondent Clearing and Independent Wealth Management businesses during the fourth quarter of fiscal 2016. The decrease in transaction-based clearing expenses as a percentage of operating revenue is primarily related to the impact of the incremental revenues from these acquired businesses, as well as the acquired oil voice brokerage business.

Introducing broker commissions: Introducing broker commissions increased 114% to \$28.2 million in the second quarter compared to \$13.2 million in the prior year, and were 14% of operating revenues in the second quarter compared to 8% in the prior year. The increase in expense is primarily due to incremental activity from our acquisition of the Sterne Agee Independent Wealth Management business and increased activity in our Exchange-Traded Futures & Options component. The increase in introducing broker commissions as a percentage of operating revenue is primarily related to this acquired business and its cost structure.

Interest expense: Interest expense increased 41% to \$10.0 million in the second quarter compared to \$7.1 million in the prior year. The increase in expense is primarily related to the trading activities of our institutional dealer in fixed income securities, which resulted in higher interest expense of \$1.3 million. Additionally, increased credit line capacity and higher average borrowings outstanding on our corporate credit facility, available for working capital needs, and our physical commodity financing facility resulted in increased expense.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Transaction-based clearing expenses: Transaction-based clearing expenses increased 7% to \$67.3 million in the current six months ended compared to \$62.7 million in the prior year, and were 18% of operating revenues in the current six months ended compared to 20% in the prior year. The increase in expense is primarily related to the incremental trading activity from our acquisition of the Sterne Agee Correspondent Clearing and Independent Wealth Management businesses during the fourth quarter of fiscal 2016, and also due to increased activity across our Financial Ag & Energy component.

Introducing broker commissions: Introducing broker commissions increased 119% to \$56.9 million in the current six months ended compared to \$26.0 million in the prior year, and were 15% of operating revenues in the current six months ended compared to 8% in the prior year. The increase in expense is primarily due to incremental activity from our acquisition of the Sterne Agee Independent Wealth Management business and increased activity in our Exchange-Traded Futures & Options and Financial Ag & Energy components, partially offset by a decrease in the introducing broker commissions in our Debt Trading business in Argentina. The increase in introducing broker commissions as a percentage of operating revenue is primarily related to this acquired business and its cost structure.

Interest expense: Interest expense increased 44% to \$18.9 million in the current six months ended compared to \$13.1 million in the prior year. The increase in expense is primarily related to the trading activities of our institutional dealer in fixed income securities, which resulted in higher interest expense of \$2.3 million. Additionally, increased credit line capacity and higher average borrowings outstanding on our corporate credit facility, available for working capital needs, and our physical commodity financing facility resulted in increased expense.

Net Operating Revenues

Net operating revenues is one of the key measures used by management to assess the performance of our operating segments. Net operating revenue is calculated as operating revenue less transaction-based clearing expenses, introducing broker commissions and interest expense. Transaction-based clearing expenses represent variable expenses paid to executing brokers, exchanges, clearing organizations and banks in relation to our transactional volumes. Introducing broker commissions include commission paid to non-employee third parties that have introduced customers to us. Net operating revenues represent

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revenues available to pay variable compensation to risk management consultants and traders and direct non-variable expenses, as well as variable and non-variable expenses of operational and administrative employees.

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Net operating revenues increased \$11.0 million, or 10%, to \$123.9 million in the second quarter compared to \$112.9 million in the prior year.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Net operating revenues increased \$22.6 million, or 10%, to \$238.2 million in the current six months ended compared to \$215.6 million in the prior year.

Compensation and Other Expenses

The following table shows a summary of expenses, other than interest and transactional expenses.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Compensation and benefits:						
Fixed compensation and benefits	\$ 40.4	28 %	\$ 31.6	\$ 76.5	24 %	\$ 61.5
Variable compensation and benefits	36.2	8 %	33.6	70.7	6 %	66.8
	76.6	17 %	65.2	147.2	15 %	128.3
Other non-compensation expenses:						
Communication and data services	9.7	33 %	7.3	19.8	30 %	15.2
Occupancy and equipment rental	3.8	19 %	3.2	7.2	11 %	6.5
Professional fees	3.4	26 %	2.7	8.2	46 %	5.6
Travel and business development	3.0	30 %	2.3	6.6	20 %	5.5
Depreciation and amortization	2.4	9 %	2.2	4.8	17 %	4.1
Bad debts	1.3	(50)%	2.6	3.8	(17)%	4.6
Other expense	9.4	27 %	7.4	17.9	31 %	13.7
	33.0	19 %	27.7	68.3	24 %	55.2
Total compensation and other expenses	\$ 109.6	18 %	\$ 92.9	\$ 215.5	17 %	\$ 183.5

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Compensation and Other Expenses: Compensation and other expenses increased \$16.7 million, or 18%, to \$109.6 million in the second quarter compared to \$92.9 million in the prior year.

Compensation and Benefits: Total compensation and benefits expense increased 17% to \$76.6 million in the second quarter compared to \$65.2 million in the prior year. Total compensation and benefits were 39% of operating revenues in the second quarter as well as in the prior year. The variable portion of compensation and benefits increased by 8% to \$36.2 million in the second quarter compared to \$33.6 million in the prior year. Variable compensation and benefits were 29% of net operating revenues in the second quarter compared to 30% in the prior year. Administrative, centralized operations and executive incentive compensation was \$5.3 million in the second quarter compared to \$6.9 million in the prior year, primarily due to lower current year performance.

The fixed portion of compensation and benefits increased 28% to \$40.4 million in the second quarter compared to \$31.6 million in the prior year. Non-variable salaries increased \$5.9 million, or 27%, primarily due to incremental costs from our acquisition of the Steme Agee correspondent securities clearing and independent wealth management businesses in the fourth quarter of fiscal 2016 and our acquisition of ICAP plc's London-based EMEA oil voice brokerage business. Additionally, we increased headcount across several growing business lines as well as in several administrative areas, most notably within our information technology department. Employee benefits, excluding share-based compensation, increased \$2.4 million in the second quarter, primarily related to higher payroll tax and health care costs. Share-based compensation is a component of the fixed portion, and includes stock option and restricted stock expense. Share-based compensation was \$1.8 million in the second quarter compared to \$1.7 million in the prior year. The number of employees increased 2% to 1,574 at the end of the second quarter compared to 1,542 at the beginning of the second quarter. The number of employees at the end of the prior year period was 1,259.

Other Non-Compensation Expenses: Other non-compensation expenses increased 19% to \$33.0 million in the second quarter compared to \$27.7 million in the prior year. Communication and data services expenses increased \$2.4 million, primarily

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related to incremental trade systems and market information costs associated with the acquired businesses discussed above. Professional fees increased \$0.7 million, primarily due to incremental accounting services associated with the recent acquisitions and consulting fees within our technology and operations departments. Other expenses increased primarily due to higher non-trading hardware and software licensing costs, and incremental costs of the acquired businesses.

Bad debts decreased \$1.3 million over the prior year. During the second quarter, bad debt expense was \$1.3 million, primarily related to LME Metals customer deficits in our Commercial Hedging segment. Bad debt expense in the prior year was \$2.6 million, primarily related to \$1.4 million of customer receivables in our Physical Commodities segment, \$1.0 million of customer deficits in our Commercial Hedging segment and \$0.2 million related to short-term notes receivable origination in our Securities segment.

Provision for Taxes: The effective income tax rate was 23% in the second quarter compared to 28% in the prior year. The effective income tax rate can vary from period to period depending on, among other factors, the geographic and business mix of our earnings. Our effective income tax rate during both periods was lower than the U.S. federal statutory rate primarily due to a higher mix of earnings taxed at lower rates in foreign jurisdictions.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Compensation and Other Expenses: Compensation and other expenses increased \$32.0 million, or 17%, to \$215.5 million in the current six months ended compared to \$183.5 million in the prior year.

Compensation and Benefits: Total compensation and benefits expense increased 15% to \$147.2 million in the current six months ended compared to \$128.3 million in the prior year. Total compensation and benefits were 39% of operating revenues in the current six months ended compared to 40% in the prior year. The variable portion of compensation and benefits increased by 6% to \$70.7 million in the current six months ended compared to \$66.8 million in the prior year. Variable compensation and benefits were 30% of net operating revenues in the current six months ended compared to 31% in the prior year. Administrative, centralized operations and executive incentive compensation was \$9.7 million in the current six months ended compared to \$13.9 million in the prior year, primarily due to lower current year performance.

The fixed portion of compensation and benefits increased 24% to \$76.5 million in the current six months ended compared to \$61.5 million in the prior year. Non-variable salaries increased \$10.3 million, or 23%, primarily due to incremental costs from our acquisition of the Sterne Agee correspondent clearing and independent wealth management businesses in the fourth quarter of fiscal 2016 and our acquisition of ICAP plc's London-based EMEA oil voice brokerage business. Additionally, we increased headcount across several growing business lines as well as in several administrative areas, most notably within our information technology department. Employee benefits, excluding share-based compensation, increased \$4.2 million in the current six months ended, primarily related to higher payroll tax, health care and retirement costs. Share-based compensation is a component of the fixed portion, and includes stock option and restricted stock expense. Share-based compensation was \$2.6 million in the current six months ended compared to \$2.5 million in the prior year. The number of employees increased 8% to 1,574 at the end of the second quarter compared to 1,464 at the beginning of the first quarter. The number of employees at the end of the prior year period was 1,259.

Other Non-Compensation Expenses: Other non-compensation expenses increased 24% to \$68.3 million in the current six months ended compared to \$55.2 million in the prior year. Communication and data services expenses increased \$4.6 million, primarily related to incremental trade systems and market information costs associated with the acquired businesses discussed above. Professional fees increased \$2.6 million, primarily related to incremental accounting services associated with the recent acquisitions and consulting fees within our technology department. Depreciation and amortization increased \$0.7 million, primarily related to the increase in the amortization of intangible assets identified as part of our recent acquisitions. Other expenses increased primarily due to incremental costs from our acquisitions discussed above, including non-trading hardware and software licensing costs, insurance, and office expenses.

Bad debts decreased \$0.8 million over the prior year. During the current six months ended, bad debt expense was \$3.8 million, primarily related to LME Metals customer deficits in our Commercial Hedging segment. Bad debt expense in the prior year was \$4.6 million, primarily related to \$1.5 million of customer receivables in our Physical Commodities segment, \$2.7 million of customer deficits in our Commercial Hedging segment and \$0.3 million related to short-term notes receivable origination in our Securities segment.

Provision for Taxes: The effective income tax rate was 24% in the current six months ended compared to 27% in the prior year. The effective income tax rate can vary from period to period depending on, among other factors, the geographic and business mix of our earnings. Our effective income tax rate during both periods was lower than the U.S. federal statutory rate primarily due to a higher mix of earnings taxed at lower rates in foreign jurisdictions.

Unallocated Costs and Expenses

The following table is a breakout of our unallocated costs and expenses from the total costs and expenses shown above. The unallocated costs and expenses include certain shared services such as information technology, accounting and treasury, credit and risk, legal and compliance, and human resources and other activities.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Compensation and benefits:						
Fixed compensation and benefits	\$ 15.2	30 %	\$ 11.7	\$ 28.0	28 %	\$ 21.8
Variable compensation and benefits	4.8	(24)%	6.3	8.8	(31)%	12.7
	20.0	11 %	18.0	36.8	7 %	34.5
Other non-compensation expenses:						
Communication and data services	1.8	29 %	1.4	3.5	30 %	2.7
Occupancy and equipment rental	3.7	19 %	3.1	7.1	11 %	6.4
Professional fees	2.4	60 %	1.5	5.0	56 %	3.2
Travel and business development	0.7	40 %	0.5	1.7	55 %	1.1
Depreciation and amortization	2.0	11 %	1.8	4.0	21 %	3.3
Other expense	4.8	(8)%	5.2	9.9	(7)%	10.6
	15.4	14 %	13.5	31.2	14 %	27.3
Total compensation and other expenses	\$ 35.4	12 %	\$ 31.5	\$ 68.0	10 %	\$ 61.8

Total unallocated costs and other expenses increased \$3.9 million to \$35.4 million in the second quarter compared to \$31.5 million in the prior year. Compensation and benefits increased \$2.0 million, or 11% to \$20.0 million in the second quarter compared to \$18.0 million in the prior year.

Total unallocated costs and other expenses increased \$6.2 million to \$68.0 million in the current six months ended compared to \$61.8 million in the current six months ended. Compensation and benefits increased \$2.3 million, or 7% to \$36.8 million in the current six months ended compared to \$34.5 million in the prior year.

During the current three and six months ended, the increase in fixed compensation and benefits is primarily related to the incremental unallocated costs from the acquisition of the Sterne Agee correspondent clearing and independent wealth management businesses and increases in several administrative departments, most notably the continued expansion of our information technology department. The decrease in variable compensation and benefits is primarily related to lower management incentives based on current period performance. The increase in professional fees is primarily due to increased consulting services used in our information technology department and incremental costs from the recent acquisitions.

Variable vs. Fixed Expenses

(in millions)	Three Months Ended March 31,				Six Months Ended March 31,			
	2017	% of Total	2016	% of Total	2017	% of Total	2016	% of Total
Variable compensation and benefits	\$ 36.2	21%	\$ 33.6	24%	\$ 70.7	21%	\$ 66.8	25%
Transaction-based clearing expenses	33.7	20%	32.9	24%	67.3	20%	62.7	23%
Introducing broker commissions	28.2	16%	13.2	9%	56.9	16%	26.0	9%
Total variable expenses	98.1	57%	79.7	57%	194.9	57%	155.5	57%
Fixed compensation and benefits	40.4	24%	31.6	23%	76.5	23%	61.5	23%
Other fixed expenses	31.7	18%	25.1	18%	64.5	19%	50.6	18%
Bad debts and impairments	1.3	1%	2.6	2%	3.8	1%	4.6	2%
Total non-variable expenses	73.4	43%	59.3	43%	144.8	43%	116.7	43%
Total non-interest expenses	\$ 171.5	100%	\$ 139.0	100%	\$ 339.7	100%	\$ 272.2	100%

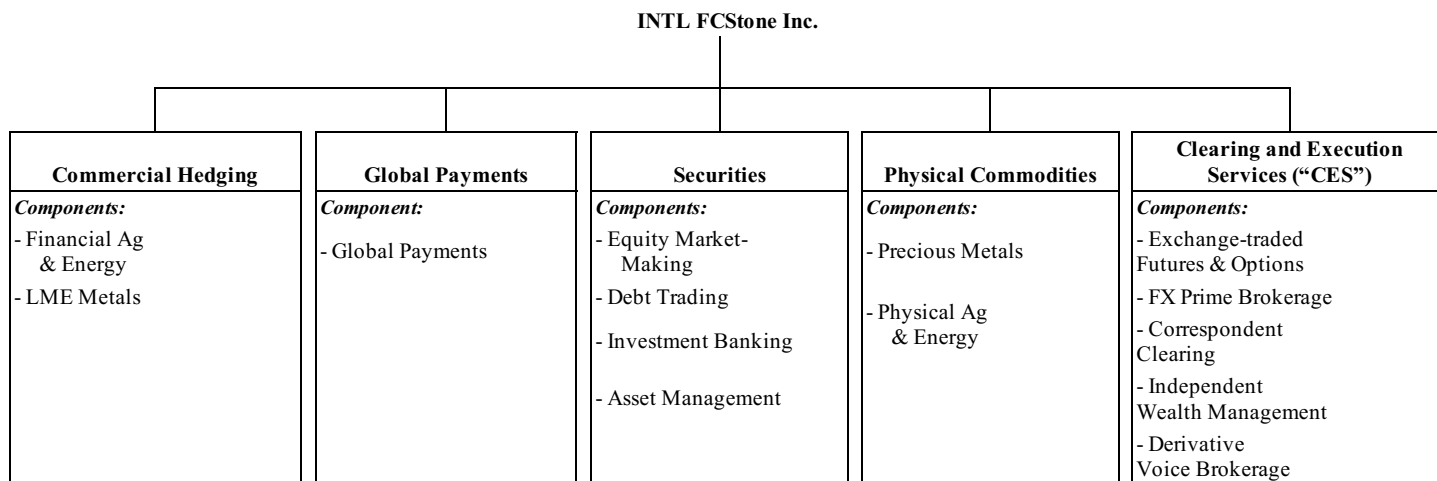
We seek to make our non-interest expenses variable to the greatest extent possible, and to keep our fixed costs as low as possible. The table above shows an analysis of our variable expenses and non-variable expenses as a percentage of total non-interest expenses for the three and six months ended March 31, 2017 and 2016, respectively.

Our variable expenses include variable compensation paid to traders and risk management consultants, bonuses paid to operational, administrative, and executive employees, transaction-based clearing expenses and introducing broker commissions. As a percentage of total non-interest expenses, variable expenses were 57% in the second quarter as well as in the

prior year. As a percentage of total non-interest expenses, variable expenses were 57% in the current six months ended as well as in the prior year.

Segment Information

Our business activities are managed as operating segments and organized into reportable segments as follows:



We report our operating segments based on services provided to customers. Net contribution is one of the key measures used by management to assess the performance of each segment and for decisions regarding the allocation of our resources. Net contribution is calculated as revenue less direct cost of sales, transaction-based clearing expenses, introducing broker commissions, interest expense and variable compensation. Variable compensation paid to risk management consultants and traders generally represents a fixed percentage of an amount equal to revenues generated, and in some cases, revenues generated less transaction-based clearing expenses and related charges, base salaries and an overhead allocation.

Segment income is calculated as net contribution less non-variable direct expenses of the segment. These non-variable direct expenses include trader base compensation and benefits, operational charges, communication and data services, business development, professional fees, bad debt expense, trade errors and direct marketing expenses.

Total Segment Results

The following table shows summary information concerning all of our business segments combined.

(in millions)	Three Months Ended March 31,				Six Months Ended March 31,			
	2017	% of Operating Revenues	2016	% of Operating Revenues	2017	% of Operating Revenues	2016	% of Operating Revenues
Sales of physical commodities	\$ 5,273.3		\$ 3,548.0		\$ 11,169.3		\$ 6,800.6	
Trading gains, net	83.8		77.3		167.0		158.5	
Commission and clearing fees	70.1		52.0		139.2		101.2	
Consulting and management fees	15.3		9.3		30.7		18.7	
Interest income	20.0		15.1		36.6		29.5	
Other	—		—		—		—	
Total revenues	5,462.5		3,701.7		11,542.8		7,108.5	
Cost of sales of physical commodities	5,265.0		3,542.8		11,153.9		6,791.4	
Operating revenues	197.5	100%	158.9	100%	388.9	100%	317.1	100%
Transaction-based clearing expenses	33.0	17%	32.3	20%	66.1	17%	61.6	19%
Introducing broker commissions	28.2	14%	13.2	8%	56.9	15%	26.0	8%
Interest expense	8.2	4%	5.3	3%	14.3	4%	9.7	3%
Net operating revenues	128.1		108.1		251.6		219.8	
Variable direct compensation and benefits	30.9	16%	26.7	17%	61.0	16%	52.9	17%
Net contribution	97.2		81.4		190.6		166.9	
Non-variable direct expenses	43.3	22%	34.7	22%	86.5	22%	68.8	22%
Segment income	\$ 53.9		\$ 46.7		\$ 104.1		\$ 98.1	

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Net contribution for all of our business segments increased 19% to \$97.2 million in the second quarter compared to \$81.4 million in the prior year. Segment income increased 15% to \$53.9 million in the second quarter compared to \$46.7 million in the prior year.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Net contribution for all of our business segments increased 14% to \$190.6 million in the current six months ended compared to \$166.9 million in the prior year. Segment income increased 6% to \$104.1 million in the current six months ended compared to \$98.1 million in the prior year.

Commercial Hedging

We serve our commercial customers through our team of risk management consultants, providing a high-value-added service that we believe differentiates us from our competitors and maximizes the opportunity to retain our customers. Our risk management consulting services are designed to quantify and monitor commercial entities' exposure to commodity and financial risk. Upon assessing this exposure, we develop a plan to control and hedge these risks with post-trade reporting against specific customer objectives. Our customers are assisted in the execution of their hedging strategies through a wide range of products from listed exchange-traded futures and options, to basic OTC instruments that offer greater flexibility, to structured OTC products designed for customized solutions.

Our services span virtually all traded commodity markets, with the largest concentrations in agricultural and energy commodities (consisting primarily of grains, energy and renewable fuels, coffee, sugar, cotton, and food service) and base metals products listed on the LME. Our base metals business includes a position as a Category One ring dealing member of the LME, providing execution, clearing and advisory services in exchange-traded futures and OTC products. We also provide execution of foreign currency forwards and options and interest rate swaps as well as a wide range of structured product solutions to our commercial customers who are seeking cost-effective hedging strategies. Generally, our customers direct their own trading activity, and our risk management consultants do not have discretionary authority to transact trades on behalf of our customers.

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The following table provides the financial performance for Commercial Hedging for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Revenues:						
Sales of physical commodities	\$ —	—	\$ —	\$ —	—	\$ —
Trading gains, net	30.6	14%	26.9	57.1	4%	54.7
Commission and clearing fees	25.0	12%	22.3	50.0	12%	44.8
Consulting and management fees	3.7	9%	3.4	7.4	10%	6.7
Interest income	3.4	62%	2.1	5.7	46%	3.9
Other	—	—%	—	—	—	—
Total revenues	62.7	15%	54.7	120.2	9%	110.1
Cost of sales of physical commodities	—	—	—	—	—	—
Operating revenues	62.7	15%	54.7	120.2	9%	110.1
Transaction-based clearing expenses	7.1	6%	6.7	14.2	5%	13.5
Introducing broker commissions	5.0	16%	4.3	9.7	14%	8.5
Interest expense	0.1	—%	0.1	0.2	—%	0.2
Net operating revenues	50.5	16%	43.6	96.1	9%	87.9
Variable direct compensation and benefits	13.6	4%	13.1	25.8	—%	25.7
Net contribution	36.9	21%	30.5	70.3	13%	62.2
Non-variable direct expenses	18.2	9%	16.7	36.2	8%	33.4
Segment income	\$ 18.7	36%	\$ 13.8	\$ 34.1	18%	\$ 28.8

The following tables set forth transactional revenues and selected data for Commercial Hedging for the periods indicated.

	Exchange-traded					
	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Transactional revenues (in millions):						
Agricultural	\$ 17.8	13%	\$ 15.8	\$ 35.0	9%	\$ 32.2
Energy and renewable fuels	1.6	7%	1.5	2.9	—%	2.9
LME metals	13.3	(1)%	13.4	29.1	13%	25.7
Other	2.0	18%	1.7	3.7	16%	3.2
	\$ 34.7	7%	\$ 32.4	\$ 70.7	10%	\$ 64.0

Selected data:						
Futures and options (contracts, 000's)	5,972.2	6%	5,653.3	11,792.8	5%	11,184.3
Average rate per contract	\$ 5.70	1%	\$ 5.62	\$ 5.90	5%	\$ 5.61
Average customer equity - futures and options (millions)	\$ 940.6	7%	\$ 875.1	\$ 944.8	8%	\$ 877.8

	OTC					
	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Transactional revenues (in millions):						
Agricultural	\$ 14.7	48%	\$ 9.9	\$ 24.0	22%	\$ 19.7
Energy and renewable fuels	4.3	(22)%	5.5	8.5	(29)%	12.0
Other	1.9	36%	1.4	3.9	3%	3.8
	\$ 20.9	24%	\$ 16.8	\$ 36.4	3%	\$ 35.5

Selected data:						
Volume (contracts, 000's)	350.8	16%	302.0	652.7	6%	616.7
Average rate per contract	\$ 57.30	7%	\$ 53.72	\$ 52.86	(5)%	\$ 55.52

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues increased 15% to \$62.7 million in the second quarter compared to \$54.7 million in the prior year. Exchange-traded revenues increased 7%, to \$34.7 million in the second quarter, resulting primarily from higher agricultural revenues, in particular in the grain and food service markets. Energy and renewable fuels and LME metals revenues were relatively flat with the prior year. Overall exchange-traded contract volume increased 6% and the average rate per contract was \$5.70 which was relatively flat with the prior year.

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OTC revenues increased 24%, to \$20.9 million in the second quarter with OTC volumes increasing 16% and the average rate per contract increasing 7% compared to the prior year. This increase was primarily driven by increases in agricultural commodity OTC revenues, most notably in domestic and South American grain markets.

Consulting and management fees increased \$0.3 million versus the prior year, while interest income, increased 62%, to \$3.4 million compared to the prior year. The increase in interest income was primarily driven by an increase in short-term rates, as well as a 7% increase in average customer equity.

Segment income increased to \$18.7 million in the second quarter compared to \$13.8 million in the prior year, primarily as a result of the increase in operating revenues, partially offset by a \$1.5 million increase in non-variable direct expenses. The increase in non-variable direct expenses was primarily related to non-variable compensation and benefits, bad debt expense and operations charges. Variable expenses, excluding interest, expressed as a percentage of operating revenues decreased to 41% compared to 44% in the prior year, primarily as the result of increased operating revenues from interest and LME activity.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues increased 9% to \$120.2 million in the current six months ended compared to \$110.1 million in the prior year. Exchange-traded revenues increased 10%, to \$70.7 million in the current six months ended, resulting primarily from higher LME metals revenues as a result of increased market volatility as well as increased agricultural commodity revenues, most notably in the domestic grain markets. Overall exchange-traded contract volume increased 5% and the average rate per contract increased 5% to \$5.90.

OTC revenues increased 3%, to \$36.4 million in the current six months ended. This increase was primarily driven by increases in agricultural commodity OTC revenues, most notably in domestic and South American grain markets, which were partially offset by lower customer volumes in the energy and renewable fuels markets. Overall OTC volumes increased 6%, while the average rate per contract decreased 5% compared to the prior year.

Consulting and management fees increased \$0.7 million versus the prior year, while interest income, increased 46%, to \$5.7 million compared to the prior year. The increase in interest income was primarily driven an increase in short-term rates, as well as an 8% increase in average customer equity.

Segment income increased to \$34.1 million in the current six months ended compared to \$28.8 million in the prior year, primarily as a result of the increase in operating revenues, partially offset by a \$2.8 million increase in non-variable direct expenses. The increase in non-variable direct expenses was primarily related to non-variable compensation and benefits, bad debt expense and operations charges. Variable expenses, excluding interest, expressed as a percentage of operating revenues decreased to 41% compared to 43% in the prior year, primarily as the result of a decline in variable compensation due to product mix.

Global Payments

We provide global payment solutions to banks and commercial businesses as well as charities, non-governmental organizations and government organizations. We offer payments services in more than 175 countries and 140 currencies, which we believe is more than any other payments solution provider, and provide competitive and transparent pricing.

Our proprietary FXecute global payments platform is integrated with a financial information exchange (“FIX”) protocol. This FIX protocol is an electronic communication method for the real-time exchange of information, and we believe it represents one of the first FIX offerings for cross-border payments in exotic currencies. FIX functionality allows customers to view real time market rates for various currencies, execute and manage orders in real-time, and view the status of their payments through the easy-to-use portal.

Additionally, as a member of SWIFT (Society for Worldwide Interbank Financial Telecommunication), we are able to offer our services to large money center and global banks seeking more competitive international payment services.

Through this single comprehensive platform and our commitment to customer service, we believe we are able to provide simple and fast execution, ensuring delivery of funds in any of these countries quickly through our global network of approximately 300 correspondent banks. In this business, we primarily act as a principal in buying and selling foreign currencies on a spot basis. We derive revenue from the difference between the purchase and sale prices.

We believe our customers value our ability to provide exchange rates that are significantly more competitive than those offered by large international banks, a competitive advantage that stems from our years of foreign exchange expertise focused on smaller, less liquid currencies.

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The following table provides the financial performance and selected data for Global Payments for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Revenues:						
Sales of physical commodities	\$ —	—	\$ —	\$ —	—	\$ —
Trading gains, net	20.8	25%	16.7	43.4	26%	34.4
Commission and clearing fees	0.7	—%	0.7	1.2	(8)%	1.3
Consulting and management fees	—	—	—	—	—	—
Interest income	—	—	—	—	—	—
Other income	—	—	—	—	—	—
Total revenues	21.5	24%	17.4	44.6	25%	35.7
Cost of sales of physical commodities	—	—	—	—	—	—
Operating revenues	21.5	24%	17.4	44.6	25%	35.7
Transaction-based clearing expenses	1.1	—%	1.1	2.3	10%	2.1
Introducing broker commissions	1.1	38%	0.8	2.4	33%	1.8
Interest expense	0.2	—	—	0.2	—	—
Net operating revenues	19.1	23%	15.5	39.7	25%	31.8
Variable direct compensation and benefits	3.8	23%	3.1	8.0	25%	6.4
Net contribution	15.3	23%	12.4	31.7	25%	25.4
Non-variable direct expenses	3.6	16%	3.1	6.8	11%	6.1
Segment income	\$ 11.7	26%	\$ 9.3	\$ 24.9	29%	\$ 19.3
Selected data:						
Global Payments (# of payments, 000's)	153.7	52%	101.1	300.3	53%	196.7
Average revenue per trade	\$ 139.88	(19)%	\$ 172.11	\$ 148.52	(18)%	\$ 181.49

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues increased 24% to \$21.5 million in the second quarter compared to \$17.4 million in the prior year. The volume of payments made increased 52% as we continued to benefit from an increase in financial institutions and other customers utilizing our electronic transaction order system, however this was partially offset by an 19% decrease in the average revenue per trade.

Segment income increased 26% to \$11.7 million in the second quarter compared to \$9.3 million in the prior year. This increase primarily resulted from the increase in operating revenues, partially offset by a modest increase in non-variable direct expenses, primarily compensation and benefits. Variable expenses, excluding interest, expressed as a percentage of operating revenues decreased to 28% as compared to 29% in the prior year.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues increased 25% to \$44.6 million in the current six months ended compared to \$35.7 million in the prior year. The volume of payments made increased 53% as we continued to benefit from an increase in financial institutions and other customers utilizing our electronic transaction order system, however this was partially offset by an 18% decrease in the average revenue per trade.

Segment income increased 29% to \$24.9 million in the current six months ended compared to \$19.3 million in the prior year. This increase primarily resulted from the increase in operating revenues, partially offset by a modest increase in non-variable direct expenses, primarily in compensation and benefits, trade system costs, professional fees and operations charges. Variable expenses, excluding interest, expressed as a percentage of operating revenues decreased to 28% compared to 29% in the prior year.

Securities

We provide value-added solutions that facilitate cross-border trading and believe our customers value our ability to manage complex transactions, including foreign exchange, utilizing our understanding of local market convention, liquidity and settlement protocols around the world. Our customers include U.S.-based regional and national broker-dealers and institutions investing or executing customer transactions in international markets and foreign institutions seeking access to the U.S. securities markets. We are one of the leading market makers in foreign securities, including unlisted ADRs, Global Depository Receipts ("GDRs") and foreign ordinary shares. We make markets in over 3,600 ADRs, GDRs and foreign ordinary shares, of which over 2,000 trade in the OTC market. In addition, we will, on request, make prices in more than 10,000 unlisted foreign securities. We are also a broker-dealer in Argentina, where we are active in providing institutional executions in the local capital markets.

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We act as an institutional dealer in fixed income securities, including U.S. Treasury, U.S. government agency, agency mortgage-backed and asset-backed securities to a customer base including asset managers, commercial bank trust and investment departments, broker-dealers, and insurance companies.

We originate, structure and place debt instruments in the international and domestic capital markets. These instruments include complex asset-backed securities (primarily in Argentina) and domestic municipal securities. On occasion, we may invest our own capital in debt instruments before selling them. We also actively trade in a variety of international debt instruments as well as operate an asset management business in which we earn fees, commissions and other revenues for management of third party assets and investment gains or losses on our investments in funds and proprietary accounts managed either by our investment managers or by independent investment managers.

The following table provides the financial performance for Securities for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Revenues:						
Sales of physical commodities	\$ —	—	\$ —	\$ —	—	\$ —
Trading gains, net	21.1	(23)%	27.3	43.0	(26)%	58.0
Commission and clearing fees	2.2	(27)%	3.0	4.5	(27)%	6.2
Consulting and management fees	3.4	(36)%	5.3	6.9	(35)%	10.6
Interest income	11.2	12%	10.0	20.9	7%	19.6
Other income	—	—	—	—	—	—
Total revenues	37.9	(17)%	45.6	75.3	(20)%	94.4
Cost of sales of physical commodities	—	—	—	—	—	—
Operating revenues	37.9	(17)%	45.6	75.3	(20)%	94.4
Transaction-based clearing expenses	6.1	(6)%	6.5	12.3	(1)%	12.4
Introducing broker commissions	2.2	(35)%	3.4	4.3	(39)%	7.0
Interest expense	5.5	41%	3.9	9.5	32%	7.2
Net operating revenues	24.1	(24)%	31.8	49.2	(27)%	67.8
Variable direct compensation and benefits	5.2	(24)%	6.8	10.5	(21)%	13.3
Net contribution	18.9	(24)%	25.0	38.7	(29)%	54.5
Non-variable direct expenses	7.2	6%	6.8	14.1	(2)%	14.4
Segment income	\$ 11.7	(36)%	\$ 18.2	\$ 24.6	(39)%	\$ 40.1

The following table sets forth operating revenues by product line and selected data for Securities for the periods indicated.

	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Operating revenues by product line (in millions):						
Equity Market-Making	\$ 15.6	(20)%	\$ 19.5	\$ 31.0	(10)%	\$ 34.3
Debt Trading	19.7	(1)%	19.8	37.6	(18)%	45.7
Investment Banking	0.4	(75)%	1.6	1.1	(61)%	2.8
Asset Management	2.2	(53)%	4.7	5.6	(52)%	11.6
	\$ 37.9	(17)%	\$ 45.6	\$ 75.3	(20)%	\$ 94.4
Selected data:						
Equity Market-Making (gross dollar volume, millions)	\$ 23,631.3	(3)%	\$ 24,475.6	\$ 45,986.6	(3)%	\$ 47,559.7
Equity Market-Making revenue per \$1,000 traded	\$ 0.66	(18)%	\$ 0.80	\$ 0.67	(7)%	\$ 0.72
Debt Trading (principal dollar volume, millions)	\$ 37,429.2	41%	\$ 26,476.9	\$ 70,474.8	45%	\$ 48,583.5
Debt Trading revenue per \$1,000 traded	\$ 0.53	(29)%	\$ 0.75	\$ 0.53	(44)%	\$ 0.94
Average assets under management in Argentina (millions)	\$ 548.9	6%	\$ 515.4	\$ 529.4	(9)%	\$ 581.9

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues decreased 17% to \$37.9 million in the second quarter compared to \$45.6 million in the prior year.

Operating revenues in our Securities segment are comprised of activities in four product lines, Equity Market-Making, Debt Trading, Investment Banking and Asset Management. Operating revenues in Equity Market-Making decreased 20% in the second quarter compared to a very strong prior year comparable period. Gross dollar volume traded declined 3% , however more notably, the average revenue per \$1,000 traded declined 18% as the prior year period benefited from favorable market conditions while current second quarter volatility was relatively low leading to a tightening of spreads. Equity Market-Making

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operating revenues include the trading profits we earn before the related expense deduction for ADR conversion fees. These ADR fees are included in the consolidated income statements as 'transaction-based clearing expenses'.

Operating revenues in Debt Trading declined 1% in the second quarter compared to the prior year, as strong gains in our domestic institutional fixed income business were more than offset by weaker performance in our Argentina and Latin American businesses. Operating revenues in Investment Banking decreased 75% compared to the prior year, primarily as a result of management's decision to exit our domestic investment banking business as well as weaker performance in our Argentina operations. Asset Management operating revenues decreased 53% in the second quarter as compared to the prior year. Our Asset Management business is conducted solely in Argentina and similar to our Debt Trading business, the Asset Management business in the prior year benefited from the effect of the Peso devaluation. Assets under management increased 6% to \$548.9 million in the second quarter compared to \$515.4 million in the prior year.

Segment income decreased 36% to \$11.7 million in the second quarter compared to \$18.2 million in the prior year, as a result of the decline in operating revenues as well as an increase in interest expense. Variable expenses, excluding interest, expressed as a percentage of operating revenues decreased to 36% in the second quarter compared to 37% in the prior year.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues decreased 20% to \$75.3 million in the current six months ended compared to \$94.4 million in the prior year.

Operating revenues in our Securities segment are comprised of activities in four product lines, Equity Market-Making, Debt Trading, Investment Banking and Asset Management. Operating revenues in Equity Market-Making declined 10% in the current six months ended compared to the prior year as a result of a 3% decrease in the gross dollar volume traded and a 7% decline in the average revenue per \$1,000 traded. Equity Market-Making operating revenues include the trading profits we earn before the related expense deduction for ADR conversion fees. These ADR fees are included in the consolidated income statements as 'transaction-based clearing expenses'.

Operating revenues in Debt Trading decreased 18% in the current six months ended compared to the prior year, primarily as a result of a decline in operating revenue in our Argentina operations compared to the prior year. Our Argentine operations had a strong performance in the prior year period as a result of the effect of the devaluation of the Argentine Peso. These declines in Argentina were partially offset by strong operating revenue growth in our domestic institutional fixed income business. Operating revenues in Investment Banking decreased 61% compared to the prior year, primarily as a result of management's decision to exit our domestic investment banking business. Asset Management operating revenues decreased 52% in the current six months ended as compared to the prior year. Our Asset Management business is conducted solely in Argentina and similar to our Debt Trading business, the Asset Management business in the prior year benefited from the effect of the Peso devaluation. Assets under management declined 9% to \$529.4 million in the current six months ended compared to \$581.9 million in the prior year.

Segment income decreased 39% to \$24.6 million in the current six months ended compared to \$40.1 million in the prior year, as a result of the decline in operating revenues. Variable expenses, excluding interest, expressed as a percentage of operating revenues increased to 36% in the current six months ended compared to 35% in the prior year, primarily as a result of an increase in transaction-based clearing expenses.

Physical Commodities

This segment consists of our physical Precious Metals trading and Physical Ag & Energy commodity businesses. In Precious Metals, we provide a full range of trading and hedging capabilities, including OTC products, to select producers, consumers, and investors. In our trading activities, we act as a principal, committing our own capital to buy and sell precious metals on a spot and forward basis.

In our Physical Ag & Energy commodity business, we act as a principal to facilitate financing, structured pricing and logistics services to clients across the commodity complex, including energy commodities, grains, oil seeds, cotton, coffee, cocoa, edible oils and feed products. We provide financing to commercial commodity-related companies against physical inventories. We use sale and repurchase agreements to purchase commodities evidenced by warehouse receipts, subject to a simultaneous agreement to sell such commodities back to the original seller at a later date.

Transactions where the sale and repurchase price are fixed upon execution, and meet additional required conditions, are accounted for as product financing arrangements, and accordingly no commodity inventory, purchases or sales are recorded. Transactions where the repurchase price is not fixed at execution do not meet all the criteria to be accounted for as product financing arrangements, and therefore are recorded as commodity inventory, purchases and sales.

Precious metals inventory held by our subsidiaries that are not broker-dealers continues to be valued at the lower of cost or market value. Precious metals sales and cost of sales for subsidiaries that are not broker-dealers continue to be recorded on a

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gross basis. In our Physical Ag and Energy commodity business, we value our agricultural inventory at net realizable value, which approximates fair value less disposal costs. The agricultural inventories have reliable, readily determinable and realizable market prices, have relatively insignificant costs of disposal and are available for immediate delivery. Revenues generated from our Physical Ag and Energy commodity business are recorded on a gross basis.

Operating gains and losses from our Precious Metals commodities derivatives activities are included in 'trading gains, net' in the consolidated income statements. Operating gains and losses from our Physical Ag and Energy commodities derivatives activities are included in 'cost of sales of physical commodities' in the consolidated income statements. We generally mitigate the price risk associated with commodities held in inventory through the use of derivatives. We do not elect hedge accounting under U.S. GAAP in accounting for this price risk mitigation. Management continues to evaluate performance and allocate resources on an operating revenue basis.

The following table provides the financial performance for Physical Commodities for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Revenues:						
Sales of physical commodities	\$ 5,273.3	49%	\$ 3,548.0	\$ 11,169.3	64%	\$ 6,800.6
Trading gains (losses), net	0.8	14%	0.7	1.0	n/m	—
Commission and clearing fees	0.2	100%	0.1	0.4	100%	0.2
Consulting and management fees	0.1	(50)%	0.2	0.8	33%	0.6
Interest income	1.8	6%	1.7	3.4	(11)%	3.8
Other income	—	—	—	—	—	—
Total revenues	5,276.2	49%	3,550.7	11,174.9	64%	6,805.2
Cost of sales of physical commodities	5,265.0	49%	3,542.8	11,153.9	64%	6,791.4
Operating revenues	11.2	42%	7.9	21.0	52%	13.8
Transaction-based clearing expenses	0.2	100%	0.1	0.4	33%	0.3
Introducing broker commissions	0.1	n/m	—	0.2	100%	0.1
Interest expense	1.9	90%	1.0	3.3	74%	1.9
Net operating revenues	9.0	32%	6.8	17.1	49%	11.5
Variable direct compensation and benefits	2.5	67%	1.5	4.8	71%	2.8
Net contribution	6.5	23%	5.3	12.3	41%	8.7
Non-variable direct expenses	2.6	(24)%	3.4	5.4	(7)%	5.8
Segment income	\$ 3.9	105%	\$ 1.9	\$ 6.9	138%	\$ 2.9

The following tables set forth operating revenue by product line and selected data for Physical Commodities for the periods indicated.

	Precious Metals					
	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Total revenues	\$ 5,069.3	46%	\$ 3,470.9	\$ 10,792.2	63%	\$ 6,638.9
Cost of sales of physical commodities	5,063.5	46%	3,465.9	10,781.0	63%	6,629.4
Operating revenues	\$ 5.8	16%	\$ 5.0	\$ 11.2	18%	\$ 9.5
Selected data:						
Gold equivalent ounces traded (000's)	27,239.4	26%	21,619.3	51,568.6	14%	45,139.1
Average revenue per ounce traded	\$ 0.21	(9)%	\$ 0.23	\$ 0.22	5%	\$ 0.21

	Physical Ag & Energy					
	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Total revenues	\$ 206.9	159%	\$ 79.8	\$ 382.7	130%	\$ 166.3
Cost of sales of physical commodities	201.5	162%	76.9	372.9	130%	162.0
Operating revenues	\$ 5.4	86%	\$ 2.9	\$ 9.8	128%	\$ 4.3

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Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues for Physical Commodities increased 42% to \$11.2 million in the second quarter compared to \$7.9 million in the prior year.

Precious Metals operating revenues increased 16% to \$5.8 million in the second quarter compared to \$5.0 million in the prior year. Operating revenues increased from the prior year period as a result of a 26% increase in the number of ounces traded which was partially offset by a 9% decline in the average revenue per ounce traded.

Operating revenues in Physical Ag & Energy increased 86% to \$5.4 million in the second quarter compared to the prior year. The increase in operating revenues is primarily due to business expansion following an internal restructuring of the business, resulting in increased operating revenues from both existing and new customer relationships.

Segment income increased 105% to \$3.9 million in the second quarter compared to \$1.9 million in the prior year, primarily as a result of the increase in operating revenues. In addition, the prior year period included \$1.3 million of bad debt expense in the Physical Ag & Energy business.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues for Physical Commodities increased 52% to \$21.0 million in the current six months ended compared to \$13.8 million in the prior year.

Precious Metals operating revenues increased 18% to \$11.2 million in the current six months ended compared to \$9.5 million in the prior year. Operating revenues increased from the prior year period as a result of a 14% increase in the number of ounces traded as well as a 5% increase in the average revenue per ounce traded.

Operating revenues in Physical Ag & Energy increased 128% to \$9.8 million in the current six months ended compared to the prior year. The increase in operating revenues is primarily due to business expansion following an internal restructuring of the business, resulting in increased operating revenues from both existing and new customer relationships.

Segment income increased 138% to \$6.9 million in the current six months ended compared to \$2.9 million in the prior year, primarily as a result of the increase in operating revenues. In addition, the prior year period included \$1.5 million of bad debt expense in the Physical Ag & Energy business.

Clearing and Execution Services

We provide competitive and efficient clearing and execution in all major futures and securities exchanges globally as well as prime brokerage in all major foreign currency pairs and swap transactions. Through our platform, customer orders are accepted and directed to the appropriate exchange for execution. We then facilitate the clearing of customer transactions. Clearing involves the matching of customer trades with the exchange, the collection and management of customer margin deposits to support the transactions, and the accounting and reporting of the transactions to customers.

As of March 31, 2017, we held \$2.0 billion in required customer segregated assets, which we believe makes us the third largest independent futures commission merchant (“FCM”) in the United States not affiliated with a major financial institution or commodity intermediary, end-user or producer, as measured by required customer segregated assets. We seek to leverage our capabilities and capacity by offering facilities management or outsourcing solutions to other FCM’s.

Following our acquisition of the Sterne Agee correspondent securities clearing business, we are an independent full-service provider to introducing broker-dealers (“IBD’s”) of clearing, custody, research, syndicated and security-based lending products and services, including a proprietary technology platform which offers seamless connectivity to ensure a positive customer experience through the clearing and settlement process. Also as part of this transaction, we acquired Sterne Agee’s independent wealth management business which offers a comprehensive product suite to retail customers nationwide. As a result we are one of the leading mid-market clearers in the securities industry, clearing for 50 correspondent clearing customers and in aggregate over 120,000 underlying individual retail securities accounts with over \$12 billion in assets under management as of September 30, 2016.

In addition, we believe we are one of the largest non-bank prime brokers and swap dealers in the world. Through this offering, we provide prime brokerage foreign exchange (“FX”) services to financial institutions and professional traders. We provide our customers with the full range of OTC products, including 24-hour a day execution of spot, forwards and options as well as non-deliverable forwards in both liquid and exotic currencies. We also operate a proprietary foreign exchange desk that arbitrages the exchange-traded foreign exchange markets with the cash markets.

Following the October 1, 2016 acquisition of ICAP plc’s London-based EMEA oil voice brokerage business, we employ over 30 employees providing brokerage services across the fuel, crude, and middle distillates markets with over 200 well known commercial and institutional customers throughout Europe, the Middle East and Africa.

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The following table provides the financial performance and selected data for Clearing and Execution Services for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Sales of physical commodities	\$ —	—	\$ —	\$ —	—	\$ —
Trading gains, net	10.5	84%	5.7	22.5	97%	11.4
Commission and clearing fees	42.0	62%	25.9	83.1	71%	48.7
Consulting and management fees	8.1	1,925%	0.4	15.6	1,850%	0.8
Interest income	3.6	177%	1.3	6.6	200%	2.2
Other	—	—	—	—	—	—
Total revenues	64.2	93%	33.3	127.8	103%	63.1
Cost of physical commodities sold	—	—	—	—	—	—
Operating revenues	64.2	93%	33.3	127.8	103%	63.1
Transaction-based clearing expenses	18.5	3%	17.9	36.9	11%	33.3
Introducing broker commissions	19.8	321%	4.7	40.3	369%	8.6
Interest expense	0.5	67%	0.3	1.1	175%	0.4
Net operating revenues	25.4	144%	10.4	49.5	138%	20.8
Variable direct compensation and benefits	5.8	164%	2.2	11.9	153%	4.7
Net contribution	19.6	139%	8.2	37.6	134%	16.1
Non-variable direct expenses	11.7	149%	4.7	24.0	164%	9.1
Segment income	\$ 7.9	126%	\$ 3.5	\$ 13.6	94%	\$ 7.0

The following table sets forth operating revenues by product line and selected data for Clearing and Execution Services for the periods indicated.

(in millions)	Three Months Ended March 31,			Six Months Ended March 31,		
	2017	% Change	2016	2017	% Change	2016
Operating revenues by product line (in millions):						
Exchange-traded Futures & Options	\$ 28.0	1%	\$ 27.7	\$ 55.9	8%	\$ 51.7
FX Prime Brokerage	4.3	(23)%	5.6	9.8	(14)%	11.4
Correspondent Clearing	6.9	n/m	—	13.3	n/m	—
Independent Wealth Management	18.5	n/m	—	35.8	n/m	—
Derivative Voice Brokerage	6.5	n/m	—	13.0	n/m	—
Operating revenues	\$ 64.2	93%	\$ 33.3	\$ 127.8	103%	\$ 63.1
Selected data:						
Exchange-traded - futures and options (contracts, 000's)	19,487.7	(7)%	20,943.0	37,779.9	(5)%	39,637.0
Exchange-traded - futures and options average rate per contract	\$ 1.22	5%	\$ 1.16	\$ 1.28	11%	\$ 1.15
Average customer equity - futures and options (millions)	\$ 1,075.0	14%	\$ 941.9	\$ 1,102.0	17%	\$ 943.1
FX Prime Brokerage volume (U.S. notional, millions)	\$ 171,593.1	11%	\$ 154,108.5	\$ 341,465.7	23%	\$ 278,660.1

Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

Operating revenues increased 93% to \$64.2 million in the second quarter compared to \$33.3 million in the prior year.

Operating revenues in our Exchange-traded Futures & Options business increased to \$28.0 million in the second quarter compared to \$27.7 million in the prior year despite a 7% decrease in exchange-traded volumes as the average rate per contract increased 5% compared to the prior year period. Interest income in the Exchange-traded Futures & Options business increased \$0.9 million to \$2.1 million in the second quarter primarily as a result of an increase in short-term rates and a 14% increase in average customer equity to \$1.1 billion.

Operating revenues in our FX Prime Brokerage declined 23% to \$4.3 million in the second quarter compared to \$5.6 million in the prior year despite a 11% increase in foreign exchange volumes driven by a narrowing of margins compared to the prior period.

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During the fourth fiscal quarter of 2016, we acquired the correspondent clearing and independent wealth management businesses of Sterne Agee. During the second quarter, the Correspondent Clearing and Independent Wealth Management businesses generated operating revenues of \$6.9 million and \$18.5 million, respectively. Included within these operating revenues, Correspondent Clearing and Independent Wealth Management businesses had interest income of \$1.2 million and \$0.2 million, respectively.

On October 1, 2016, we acquired ICAP plc's London-based EMEA oil voice brokerage business. In the second quarter, the Derivative Voice Brokerage business contributed \$6.5 million in operating revenues.

Segment income increased to \$7.9 million in the second quarter compared to \$3.5 million in the prior year, primarily as a result of the increase in operating revenues in the Exchange-traded Futures & Options business as well as the acquisition of the Correspondent Clearing, Independent Wealth Management and Derivative Voice Brokerage businesses. Segment income in the second quarter includes a \$0.9 million quarterly charge to compensation and benefits per the terms of the acquisition of the oil voice brokerage business which will continue to be expensed through the end of fiscal 2018 based upon the employees continued employment. Variable expenses, excluding interest, as a percentage of operating revenues were 69% in the second quarter compared to 74% in the prior year. The increase in introducing broker commissions expense was primarily driven by the acquisition of the Independent Wealth Management business which added \$14.3 million of expense in the second quarter.

Six Months Ended March 31, 2017 Compared to Six Months Ended March 31, 2016

Operating revenues increased 103% to \$127.8 million in the current six months ended compared to \$63.1 million in the prior year.

Operating revenues in our Exchange-traded Futures & Options business increased to \$55.9 million in the current six months ended compared to \$51.7 million in the prior year despite a 5% decrease in exchange-traded volumes as the average rate per contract increased 11% compared to the prior year period. Interest income in the Exchange-traded Futures & Options business increased \$1.6 million to \$3.8 million in the current six months ended primarily as a result of an increase in short-term rates and a 17% increase in average customer equity to \$1.1 billion.

Operating revenues in our FX Prime Brokerage declined 14% to \$9.8 million in the current six months ended compared to \$11.4 million in the prior year despite a 23% increase in foreign exchange volumes driven by a narrowing of margins compared to the prior period.

During the fourth fiscal quarter of 2016, we acquired the correspondent clearing and independent wealth management businesses of Sterne Agee. During the current six months ended period, the Correspondent Clearing and Independent Wealth Management businesses generated operating revenues of \$13.3 million and \$35.8 million, respectively. Included within these operating revenues, Correspondent Clearing and Independent Wealth Management businesses had interest income of \$2.4 million and \$0.3 million, respectively.

On October 1, 2016, we acquired ICAP plc's London-based EMEA oil voice brokerage business. In the current six months ended, the Derivative Voice Brokerage business contributed \$13.0 million in operating revenues.

Segment income increased to \$13.6 million in the current six months ended compared to \$7.0 million in the prior year, primarily as a result of the increase in operating revenues in the Exchange-traded Futures and Options business as well as the acquisition of the Correspondent Clearing, Independent Wealth Management and Derivative Voice Brokerage businesses. Segment income in the current six months ended includes a \$1.8 million quarterly charge to compensation and benefits per the terms of the acquisition of the oil voice brokerage business which will continue to be expensed through the end of fiscal 2018 based upon the employees continued employment. Variable expenses, excluding interest, as a percentage of operating revenues were 70% in the current six months ended compared to 74% in the prior year. The increase in introducing broker commissions expense was primarily driven by the acquisition of the Independent Wealth Management business which added \$28.3 million of expense in the current six months ended.

Liquidity, Financial Condition and Capital Resources

Overview

Liquidity is defined as our ability to generate sufficient amounts of cash to meet all of our cash needs. Liquidity is of critical importance to us and imperative to maintain our operations on a daily basis.

INTL FCStone Financial is registered as a broker-dealer with FINRA and is registered as a futures commission merchant with the CFTC and NFA. INTL FCStone Financial, our broker-dealer/FCM subsidiary, has a responsibility to meet margin calls at all exchanges on a daily basis and intra-day basis, if necessary. We require our customers to make any required margin deposits the next business day, and we require our largest customers to make intra-day margin payments during periods of significant price movement. Margin required to be posted to the exchanges is a function of the net open positions of our customers and the

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required margin per contract. INTL FCStone Financial is subject to minimum capital requirements under Section 4(f)(b) of the Commodity Exchange Act, Part 1.17 of the rules and regulations of the CFTC and the SEC Uniform Net Capital Rule 15c3-1 under the Securities Exchange Act of 1934. These rules specify the minimum amount of capital that must be available to support our customers' open trading positions, including the amount of assets that INTL FCStone Financial must maintain in relatively liquid form, and are designed to measure general financial integrity and liquidity.

INTL FCStone Ltd, our U.K. regulated subsidiary, is required to be compliant with the U.K.'s Individual Liquidity Adequacy Standards ("ILAS"). To comply with these standards, we have implemented daily liquidity procedures, conduct periodic reviews of liquidity by stressed scenarios, and have created liquidity buffers.

Sterne, Agee & Leach, Inc., Sterne Agee Clearing, Inc. and Sterne Agee Financial Services, Inc. are subject to the SEC Uniform Net Capital Rule 15c3-1 under the Securities Exchange Act of 1934. Sterne, Agee & Leach, Inc. is also subject to the Rule 15c3-3 of the Securities Exchange Act of 1934, as amended ("Customer Protection Rule").

In addition, in our physical commodities trading, commercial hedging OTC, securities and foreign exchange trading activities, we may be called upon to meet margin calls with our various trading counterparties based upon the underlying open transactions we have in place with those organizations.

We continuously review our overall credit and capital needs to ensure that our capital base, both stockholders' equity and debt, as well as available credit facilities can appropriately support the anticipated financing needs of our operating subsidiaries.

As of March 31, 2017, we had total equity capital of \$455.7 million and outstanding bank loans of \$263.4 million.

A substantial portion of our assets are liquid. As of March 31, 2017, approximately 97% of our assets consisted of cash; securities purchased under agreements to resell; securities borrowed; deposits with and receivables from exchange-clearing organizations, broker-dealers, clearing organizations and counterparties; customer receivables, marketable financial instruments and investments, and physical commodities inventory. All assets that are not customer and counterparty deposits are financed by our equity capital, bank loans, short-term borrowings from financial instruments sold, not yet purchased and under repurchase agreements, securities loaned, and other payables.

As of September 30, 2016, we owned debentures issued by a single asset owning company of the Suriwongse Hotel located in Chiang Mai, Thailand, and our investment in the hotel was \$3.0 million. In December 2016, we sold the debentures and collected an amount approximating their carrying value.

Customer and Counterparty Credit and Liquidity Risk

Our operations expose us to credit risk of default of our customers and counterparties. The risk includes liquidity risk to the extent our customers or counterparties are unable to make timely payment of margin or other credit support. These risks expose us indirectly to the financing and liquidity risks of our customers and counterparties, including the risks that our customers and counterparties may not be able to finance their operations.

As a clearing broker, we act on behalf of our customers for all trades consummated on exchanges. We must pay initial and variation margin to the exchanges, on a net basis, before we receive the required payments from our customers. Accordingly, we are responsible for our customers' obligations with respect to these transactions, which exposes us to significant credit risk. Our customers are required to make any required margin deposits the next business day, and we require our largest customers to make intra-day margin payments during periods of significant price movement. Our customers are required to maintain initial margin requirements at the level set by the respective exchanges, but we have the ability to increase the margin requirements for customers based on their open positions, trading activity, or market conditions.

With OTC derivative transactions, we act as a principal, which exposes us to the credit risk of both our customers and the counterparties with which we offset our customer positions. As with exchange-traded transactions, our OTC transactions require that we meet initial and variation margin payments on behalf of our customers before we receive the required payment from our customers. OTC customers are required to post sufficient collateral to meet margin requirements based on Value-at-Risk models as well as variation margin requirement based on the price movement of the commodity or security in which they transact. Our customers are required to make any required margin deposits the next business day, and we may require our largest customers to make intra-day margin payments during periods of significant price movement. We have the ability to increase the margin requirements for customers based on their open positions, trading activity, or market conditions. On a limited basis, we provide credit thresholds to certain customers, based on internal evaluations and monitoring of customer creditworthiness.

In addition, with OTC transactions, we are at risk that a counterparty will fail to meet its obligations when due. We would then be exposed to the risk that the settlement of a transaction which is due a customer will not be collected from the respective counterparty with which the transaction was offset. We continuously monitor the credit quality of our respective counterparties and mark our positions held with each counterparty to market on a daily basis.

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In our debt trading business, we enter into receivable under repurchase agreements and payables under repurchase agreements primarily to finance inventory positions, acquire securities to cover short positions or to acquire securities for settlement. We either receive or pledge securities to adequately collateralize such agreements and transactions. The value of this collateral is marked-to-market on a daily basis and we may require counterparties, or be required, to deposit additional collateral or return collateral pledged, when appropriate.

Information related to bad debt expense for the six months ended March 31, 2017 and 2016 can be found in Note 5 of the Condensed Consolidated Financial Statements.

Primary Sources and Uses of Cash

Our assets and liabilities may vary significantly from period to period due to changing customer requirements, economic and market conditions and our growth. Our total assets as of March 31, 2017 and September 30, 2016, were \$6.5 billion and \$6.0 billion, respectively. Our operating activities generate or utilize cash as a result of net income or loss earned or incurred during each period and fluctuations in our assets and liabilities. The most significant fluctuations arise from changes in the level of customer activity, commodities prices and changes in the balances of financial instruments and commodities inventory. INTL FCStone Financial and INTL FCStone Ltd occasionally utilize their margin line credit facilities, on a short-term basis, to meet intraday settlements with the commodity exchanges prior to collecting margin funds from their customers.

The majority of the assets of INTL FCStone Financial are restricted from being transferred to its parent or other affiliates due to specific regulatory requirements. This restriction has no impact on our ability to meet our cash obligations, and no impact is expected in the future.

We have liquidity and funding policies and processes in place that are intended to maintain significant flexibility to address both company-specific and industry liquidity needs. The majority of our excess funds are held with high quality institutions, under highly-liquid reverse repurchase agreements, U.S. government obligations and AA-rated money market investments. We do not hold any direct investments in the general obligations of any sovereign nations.

As of March 31, 2017, \$199.5 million of cash, cash equivalent and available-for-sale investment securities was held by our foreign subsidiaries. If these funds are needed for operations in the U.S., we would be required to accrue and pay U.S. taxes to repatriate these funds, up to the amount of undistributed foreign earnings of \$325.7 million. However, our intent is to indefinitely reinvest these funds outside of the U.S., and our current plans do not demonstrate a need to repatriate them to fund our U.S. operations.

As of March 31, 2017, \$31.7 million of financial instruments owned and \$31.9 million of financial instruments sold, not yet purchased, are exchangeable foreign equities and ADRs.

On October 2016, we redeemed \$45.5 million in aggregate principal amount of our 8.5% Senior Notes due 2020 (the "Notes") plus accrued and unpaid interest to, but not including, the redemption date of October 15, 2016. The Notes were issued in July 2013, and bore interest at a rate of 8.5% per year.

We have a loan from a commercial bank, secured by equipment purchased with the proceeds. The note is payable in monthly installments, ending in March 2020. As of March 31, 2017, the current amount outstanding on the loan was \$2.4 million.

As of March 31, 2017, we had four committed bank credit facilities, totaling \$447.0 million, of which \$261.0 million was outstanding. Additional information regarding our bank credit facilities can be found in Note 9 of the Condensed Consolidated Financial Statements. The credit facilities include:

- A three-year syndicated loan facility, committed until March 18, 2019, under which INTL FCStone Inc. is entitled to borrow up to \$247.0 million, subject to certain terms and conditions of the credit agreement. The loan proceeds are used to finance our working capital needs of us and certain subsidiaries. We paid debt issuance costs of \$1.8 million in connection with this credit facility, which are being amortized over the thirty-six month term.
- An unsecured syndicated loan facility, committed until April 5, 2018, under which our subsidiary, INTL FCStone Financial is entitled to borrow up to \$75.0 million, subject to certain terms and conditions of the credit agreement. This facility is intended to provide short-term funding of margin to commodity exchanges as necessary.
- A syndicated loan facility, committed until May 1, 2018, under which our subsidiary, FCStone Merchant Services, LLC is entitled to borrow up to \$100 million, subject to certain terms and conditions of the credit agreement. The loan proceeds are used to finance traditional commodity financing arrangements and commodity repurchase agreements.
- An unsecured syndicated loan facility, committed until October 27, 2017, under which our subsidiary, INTL FCStone Ltd is entitled to borrow up to \$25.0 million, subject to certain terms and conditions of the credit agreement. This facility is intended to provide short-term funding of margin to commodity exchanges as necessary.

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As reflected above, \$200 million of the Company's committed credit facilities are scheduled to expire within twelve months of this filing. We intend to renew or replace these facilities as they expire, and based on our liquidity position and capital structure, we believe we will be able to do so.

Additionally, we have a secured, uncommitted loan facility, under which our subsidiary, INTL FCStone Financial may borrow up to \$50.0 million, collateralized by commodity warehouse receipts, to facilitate U.S. commodity exchange deliveries of its customers, subject to certain terms and conditions of the credit agreement.

We also have a secured uncommitted loan facility, under which our subsidiary, INTL FCStone Ltd may borrow up to approximately \$25.0 million, collateralized by commodity warehouse receipts, to facilitate financing of commodities under repurchases agreement services to its customers, subject to certain terms and conditions of the credit agreement.

We also have a secured uncommitted loan facility under which our subsidiary, Sterne, Agee & Leach, Inc. may borrow for short term funding of firm and customer margin requirements, subject to certain terms and conditions of the agreement. The uncommitted maximum amount available to be borrowed is not specified, and all requests for borrowing are subject to the sole discretion of the lender.

Sterne, Agee & Leach, Inc. also has a secured uncommitted loan facility under which they may borrow up to \$100 million for short term funding of firm and customer margin requirements, subject to certain terms and conditions of the agreement.

Our facility agreements contain certain financial covenants relating to financial measures on a consolidated basis, as well as on a certain stand-alone subsidiary basis, including minimum tangible net worth, minimum regulatory capital, minimum net unencumbered liquid assets, maximum net loss, minimum fixed charge coverage ratio and maximum funded debt to net worth ratio. Failure to comply with any such covenants could result in the debt becoming payable on demand. As of March 31, 2017, we and our subsidiaries are in compliance with all of our financial covenants under the outstanding facilities.

We have a contingent liability relating to an acquisition completed in January 2015. See Note 11 to the Condensed Consolidated Financial Statements for additional information on this contingent liability. The contingent liability for the estimated additional discounted purchase price consideration totals \$0.9 million as of March 31, 2017, and is included in 'accounts payable and other accrued liabilities' in the condensed consolidated balance sheets. We estimate cash payments during the next twelve months, related to these contingent liabilities, to be \$0.9 million.

Other Capital Considerations

Our activities are subject to various significant governmental regulations and capital adequacy requirements, both in the U.S. and overseas. Certain of our other non-U.S. subsidiaries are also subject to capital adequacy requirements promulgated by authorities of the countries in which they operate.

Our subsidiaries are in compliance with all of their capital regulatory requirements as of March 31, 2017. Additional information on these net capital and minimum net capital requirements can be found in Note 12 of the Condensed Consolidated Financial Statements.

The Dodd-Frank Act created a comprehensive new regulatory regime governing the OTC and listed derivatives markets and their participants by requiring, among other things: centralized clearing of standardized derivatives (with certain stated exceptions); the trading of clearable derivatives on swap execution facilities or exchanges; and registration and comprehensive regulation of new categories of market participants as "swap dealers" and swap "introducing brokers." Our subsidiary, INTL FCStone Markets, LLC, is a provisionally registered swap dealer. Some important rules, such as those setting capital and margin requirements, have not been finalized or fully implemented, and it is too early to predict with any degree of certainty how we will be affected.

Cash Flows

Our cash and cash equivalents decreased from \$316.2 million as of September 30, 2016 to \$296.3 million as of March 31, 2017, a net decrease of \$19.9 million. Net cash of \$44.6 million was used in operating activities, \$12.1 million was used in investing activities and net cash of \$37.3 million was provided by financing activities, of which \$81.0 million was borrowed from lines of credit and increased the amounts payable to lenders under loans. Fluctuations in exchange rates decreased our cash and cash equivalents by \$0.5 million.

In the commodities industry, companies report trading activities in the operating section of the statement of cash flows. Due to the daily price volatility in the commodities market, as well as changes in margin requirements, fluctuations in the balances of deposits held at various exchanges, marketable securities and customer commodity accounts may occur from day-to-day. A use of cash, as calculated on the consolidated statement of cash flows, includes unrestricted cash transferred and pledged to the exchanges or guarantee funds. These funds are held in interest-bearing deposit accounts at the exchanges, and based on daily exchange requirements, may be withdrawn and returned to unrestricted cash. Additionally, in our unregulated OTC and foreign

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exchange operations, cash deposits received from customers are reflected as cash provided from operations. Subsequent transfer of these cash deposits to counterparties or exchanges to margin their open positions will be reflected as an operating use of cash to the extent the transfer occurs in a different period than the cash deposit was received.

We continuously evaluate opportunities to expand our business. Investing activities include \$6.1 million in capital expenditures for property, plant and equipment in the current six months ended, compared to \$8.0 million in the prior year. Fluctuations in capital expenditures are primarily due to the timing of purchases of IT equipment and trade system software as well as costs of leasehold improvements.

Over the past eighteen months, we have been undergoing a trade-system conversion that is in the development stage, and is intended to replace a current third-party provided system. We have capitalized \$12.5 million of direct costs of materials and third-party services related to obtaining and developing the trade-system. The trade-system has not been placed in service, and we have not begun to depreciate the capitalized assets. We expect to place the system in service during the second half of fiscal 2017, and estimate a useful life between seven and ten years.

Apart from what has been disclosed above, there are no known trends, events or uncertainties that have had or are likely to have a material impact on our liquidity, financial condition and capital resources. Based upon our current operations, we believe that cash flows from operations, available cash and available borrowings under our credit facilities will be adequate to meet our future liquidity needs.

Commitments

Information about our commitments and contingent liabilities is contained in Note 11 of the Condensed Consolidated Financial Statements.

Off Balance Sheet Arrangements

We are party to certain financial instruments with off-balance sheet risk in the normal course of business as a registered securities broker-dealer, futures commission merchant, U.K. based Financial Services Firm, provisionally registered swap dealer and from our market-making and proprietary trading in the foreign exchange and commodities trading activities. These financial instruments include futures, forward and foreign exchange contracts, exchange-traded and OTC options, mortgage-backed TBAs, and interest rate swaps. Derivative financial instruments involve varying degrees of off-statement of financial condition market risk whereby changes in the fair values of underlying financial instruments may result in changes in the fair value of the financial instruments in excess of the amounts reflected in the statement of financial condition. Exposure to market risk is influenced by a number of factors, including the relationships between the financial instruments and our positions, as well as the volatility and liquidity in the markets in which the financial instruments are traded. The principal risk components of financial instruments include, among other things, interest rate volatility, the duration of the underlying instruments and changes in commodity pricing and foreign exchange rates. We attempt to manage our exposure to market risk through various techniques. Aggregate market limits have been established and market risk measures are routinely monitored against these limits. Derivative contracts are traded along with cash transactions because of the integrated nature of the markets for such products. We manage the risks associated with derivatives on an aggregate basis along with the risks associated with our proprietary trading and market-making activities in cash instruments as part of our firm-wide risk management policies.

As part of the activities discussed above, we carry short positions. We sell financial instruments that we do not own, borrow the financial instruments to make good delivery, and therefore are obliged to purchase such financial instruments at a future date in order to return the borrowed financial instruments. We recorded these obligations in the condensed consolidated financial statements as of March 31, 2017 and September 30, 2016, at fair value of the related financial instruments, totaling \$1,081.2 million and \$839.4 million, respectively. These positions are held to offset the risks related to financial assets owned, and reported in our condensed consolidated balance sheets in 'financial instruments owned, at fair value', and 'physical commodities inventory, net'. We will incur losses if the fair value of the financial instruments sold, not yet purchased, increases subsequent to March 31, 2017, which might be partially or wholly offset by gains in the value of assets held as of March 31, 2017. The totals of \$1,081.2 million and \$839.4 million include a net liability of \$229.6 million and \$210.9 million for derivatives, based on their fair value as of March 31, 2017 and September 30, 2016, respectively.

Except as discussed above, there have been no material changes to the off balance sheet arrangements discussed in the Management's Discussion and Analysis of our Annual Report on Form 10-K for the fiscal year ended September 30, 2016.

Effects of Inflation

Because our assets are, to a large extent, liquid in nature, they are not significantly affected by inflation. Increases in our expenses, such as compensation and benefits, transaction-based clearing expenses, occupancy and equipment rental, due to inflation, may not be readily recoverable from increasing the prices of our services. While rising interest rates are generally

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favorable for us, to the extent that inflation has other adverse effects on the financial markets and on the value of the financial instruments held in inventory, it may adversely affect our financial position and results of operations.

Critical Accounting Policies

See our critical accounting policies discussed in the Management's Discussion and Analysis of the most recent annual report filed on Form 10-K. There have been no material changes to these policies, except as described below.

During the quarter ended March 31, 2017, the Company's Securities reportable segment established a stock lending business. Stock borrowed and stock loaned are accounted for as collateralized financings. Securities borrowed and securities loaned are recorded at the amount of cash collateral advanced or received. Stock borrowed and stock loaned is reported on a gross basis as the Company has determined that the right of offset does not exist. Interest income and interest expense are recognized over the life of the arrangements.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

Credit Risk

See Note 4 to the Condensed Consolidated Financial Statements, 'Financial Instruments with Off-Balance Sheet Risk and Concentrations of Credit Risk'.

Market Risk

We conduct our market-making and trading activities predominantly as a principal, which subjects our capital to significant risks. These risks include, but are not limited to, absolute and relative price movements, price volatility and changes in liquidity, over which we have virtually no control. Our exposure to market risk varies in accordance with the volume of customer-driven market-making transactions, the size of the proprietary positions and the volatility of the financial instruments traded.

We seek to mitigate exposure to market risk by utilizing a variety of qualitative and quantitative techniques:

- Diversification of business activities and instruments;
- Limitations on positions;
- Allocation of capital and limits based on estimated weighted risks; and
- Daily monitoring of positions and mark-to-market profitability.

We utilize derivative products in a trading capacity as a dealer to satisfy customer needs and mitigate risk. We manage risks from both derivatives and non-derivative cash instruments on a consolidated basis. The risks of derivatives should not be viewed in isolation, but in aggregate with our other trading activities.

Management believes that the volatility of revenues is a key indicator of the effectiveness of our risk management techniques. The graph below summarizes volatility of our daily revenue, determined on a marked-to-market basis, during the six months ended March 31, 2017.



In our Securities market-making and trading activities, we maintain inventories of equity and debt securities. In our Physical Commodities segment, our positions include physical inventories, forwards, futures and options on futures. Our commodity trading activities are managed as one consolidated book for each commodity encompassing both cash positions and derivative instruments. We monitor the aggregate position for each commodity in equivalent physical ounces, metric tons or other relevant unit.

Interest Rate Risk

In the ordinary course of our operations, we have interest rate risk from the possibility that changes in interest rates will affect the values of financial instruments and impact interest income earned. Within our domestic institutional fixed income business, we maintain a significant amount of trading assets and liabilities which are sensitive to changes in interest rates. These trading activities consists primarily of securities trading in connection with U.S. Treasury, U.S. government agency, agency mortgage-backed and agency asset-backed obligations. Derivative instruments, which consist of futures, mortgage-backed “to be announced” (TBA) securities and forward settling transactions, are used to manage risk exposures in the trading inventory. We enter into TBA securities transactions for the sole purpose of managing risk associated with the purchase of mortgage pass-through securities.

In addition, we generate interest income from the positive spread earned on customer deposits. We typically invest in U.S. Treasury bills, notes, and obligations issued by government sponsored entities, reverse repurchase agreements involving U.S. Treasury bills and government obligations or AA-rated money market funds. We have an investment policy which establishes acceptable standards of credit quality and limits the amount of funds that can be invested within a particular fund and institution.

We employ an interest rate management strategy, where we use derivative financial instruments in the form of interest rate swaps and/or outright purchases of medium-term U.S. Treasury notes to manage a portion of our aggregate interest rate position. On a quarterly basis, we evaluate our overall level of short term investable balances, net of our of variable rate debt, and either invest a portion of these investable balances in medium-term U.S. Treasury notes or enter into interest rate swaps intended to swap out short term variable interest earnings into medium-term interest earnings. Under this strategy, we do not actively trade in such instruments and generally intend to hold these investment to their maturity date. Under this strategy,

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excluding cash deposits and our investments in AA-rated money market funds, the weighted average time to maturity of our portfolio is not to exceed 24 months in duration.

As part of this strategy, we currently hold \$290 million in par value of medium-term U.S. Treasury notes and no interest rate swap derivative contracts, with the remainder being held in short term U.S. Treasury bills and AA-rated money market fund investments. The weighted-average time to maturity of the portfolio, excluding cash deposits and our investments in AA-rated money market funds, is 5 months. The U.S. Treasury notes and interest rate swaps are not designated for hedge accounting treatment, and changes in their fair values, which are volatile and can fluctuate from period to period, are included in operating revenues in the current period. During the six months ended March 31, 2017 and 2016, operating revenues include unrealized (losses) gains of (\$5.8) million and \$0.2 million, respectively, related to the change in fair value of these U.S. Treasury notes and interest rate swaps.

We manage interest expense using a combination of variable and fixed rate debt as well as including the average outstanding borrowings in our calculations of the notional value of interest rate swaps to be entered into as part of our interest rate management strategy discussed above. The debt instruments are carried at their unpaid principal balance which approximates fair value. At March 31, 2017, \$261.0 million of our debt was variable-rate debt. We are subject to earnings and liquidity risks for changes in the interest rate on this debt. As of March 31, 2017, we had \$2.4 million outstanding in fixed-rate long-term debt. There are no earnings or liquidity risks associated with our fixed-rate debt.

Item 4. Controls and Procedures

In connection with the filing of this Form 10-Q, our management, including the Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended) as of March 31, 2017. Our Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures were effective as of March 31, 2017.

There are limitations inherent in any internal control, such as the possibility of human error and the circumvention or overriding of controls. A control system, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. As a result, there can be no assurance that a control system will succeed in preventing all possible instances of error and fraud. Our disclosure controls and procedures are designed to provide reasonable assurance of achieving their objectives, and the conclusions our Chief Executive Officer and Chief Financial Officer are made at the “reasonable assurance” level.

There were no changes in our internal controls over financial reporting during the quarter ended March 31, 2017 that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II

Item 1. Legal Proceedings

From time to time and in the ordinary course of business, we are involved in various legal and regulatory actions and proceedings, including tort claims, contractual disputes, employment matters, workers’ compensation claims and collections. We carry insurance that provides protection against certain types of claims, up to the policy limits of our insurance.

There have been no material changes to our disclosures included in Item 3. Legal Proceedings of our Annual Report on Form 10-K for the fiscal year ended September 30, 2016.

Item 1A. Risk Factors

In addition to the other information set forth in this report, information regarding risks affecting us appears in Part I, Item 1A of our Annual Report on Form 10-K for the fiscal year ended September 30, 2016. These are not the only risks we face. Additional risks and uncertainties not currently known to us or that management currently considers to be non-material may in the future adversely affect our business, financial condition and operating results. There have been no material changes to our risk factors since the filing of our Form 10-K.

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

On August 18, 2016, our Board of Directors authorized for fiscal year 2017, the repurchase of up to 1.0 million shares of our outstanding common stock from time to time in open market purchase and private transactions, commencing on October 1, 2016 and ending on September 30, 2017, subject to the discretion of the senior management team to implement our stock repurchase plan, and subject to market conditions and as permitted by securities laws and other legal, regulatory and contractual requirements and covenants.

Our common stock repurchase program activity for the three months ended March 31, 2017 was as follows.

Period	Total Number of Shares Purchased⁽¹⁾	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Program	Maximum Number of Shares Remaining to be Purchased Under the Program
January 1, 2017 to January 31, 2017	—	\$ —	—	1,000,000
February 1, 2017 to February 28, 2017	—	—	—	1,000,000
March 1, 2017 to March 31, 2017	—	—	—	1,000,000
Total	—	\$ —	—	—

Item 6. Exhibits

- 31.1 Certification of Chief Executive Officer, pursuant to Rule 13a—14(a).
- 31.2 Certification of Chief Financial Officer, pursuant to Rule 13a—14(a).
- 32.1 Certification of Chief Executive Officer, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
- 32.2 Certification of Chief Financial Officer, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

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.

INTL FCStone Inc.

Date: May 10, 2017

/s/ Sean M. O'Connor

Sean M. O'Connor
Chief Executive Officer

Date: May 10, 2017

/s/ William J. Dunaway

William J. Dunaway
Chief Financial Officer

SECTION 302 CERTIFICATION

I, Sean M. O'Connor, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of INTL FCStone Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 10, 2017

/s/ SEAN M. O'CONNOR

Sean M. O'Connor
Chief Executive Officer

SECTION 302 CERTIFICATION

I, William J. Dunaway certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of INTL FCStone Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 10, 2017

/s/ WILLIAM J. DUNAWAY

William J. Dunaway
Chief Financial Officer

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of INTL FCStone Inc. (the Company) on Form 10-Q for the period ended March 31, 2017 as filed with the Securities and Exchange Commission on the date hereof (the Report), I, Sean M. O'Connor, Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 10, 2017

/s/ SEAN M. O'CONNOR

Sean M. O'Connor
Chief Executive Officer

A signed original of this written statement required by Section 906 or other document authenticating, acknowledging or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to INTL FCStone Inc. and will be retained by INTL FCStone Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of INTL FCStone Inc. (the Company) on Form 10-Q for the period ended March 31, 2017 as filed with the Securities and Exchange Commission on the date hereof (the Report), I, William J. Dunaway, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

- (1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Dated: May 10, 2017

/s/ WILLIAM J. DUNAWAY

William J. Dunaway
Chief Financial Officer

A signed original of this written statement required by Section 906 or other document authenticating, acknowledging or otherwise adopting the signature that appears in typed form within the electronic version of this written statement required by Section 906, has been provided to INTL FCStone Inc. and will be retained by INTL FCStone Inc. and furnished to the Securities and Exchange Commission or its staff upon request.

