

Invesco Ltd.
Form 10-Q
July 27, 2017
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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 June 30, 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 1-13908

Invesco Ltd.

(Exact Name of Registrant as Specified in Its Charter)

Bermuda

98-0557567

(State or Other Jurisdiction of Incorporation or Organization) (I.R.S. Employer Identification No.)

1555 Peachtree Street, N.E., Suite 1800, Atlanta, GA

30309

(Address of Principal Executive Offices)

(Zip Code)

(404) 892-0896

(Registrant's telephone number, including area code)

N/A

(Former name, former address and former fiscal year, if changed since last report)

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 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, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer ☒ Accelerated filer ☐ Non-accelerated filer ☐ (Do not check if a smaller reporting company)

Smaller reporting company ☐

Emerging
growth
company o

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. o

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

As of June 30, 2017, the most recent practicable date, the number of Common Shares outstanding was 406,891,732.

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We include cross references to captions elsewhere in this Quarterly Report on Form 10-Q, which we refer to as this “Report,” where you can find related additional information. The following table of contents tells you where to find these captions.

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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements

Invesco Ltd.

Condensed Consolidated Balance Sheets
(Unaudited)

	As of	
\$ in millions, except per share data	June 30, 2017	December 31, 2016
ASSETS		
Cash and cash equivalents	1,646.1	1,328.0
Unsettled fund receivables	1,017.9	672.9
Accounts receivable	533.3	544.2
Investments	642.6	795.3
Assets of consolidated investment products (CIP):		
Cash and cash equivalents of CIP	328.1	742.2
Accounts receivable and other assets of CIP	104.1	106.2
Investments of CIP	4,917.0	5,116.1
Assets held for policyholders	10,716.7	8,224.2
Prepaid assets	118.3	116.9
Other assets	75.7	95.0
Property, equipment and software, net	482.2	464.7
Intangible assets, net	1,397.0	1,399.4
Goodwill	6,269.5	6,129.2
Total assets	28,248.5	25,734.3
LIABILITIES		
Accrued compensation and benefits	475.1	654.3
Accounts payable and accrued expenses	788.3	812.4
Liabilities of CIP:		
Debt of CIP	3,929.5	4,403.1
Other liabilities of CIP	393.2	673.4
Policyholder payables	10,716.7	8,224.2
Unsettled fund payables	1,002.1	659.3
Long-term debt	2,074.8	2,102.4
Deferred tax liabilities, net	366.5	309.7
Total liabilities	19,746.2	17,838.8
Commitments and contingencies (See Note 11)		
TEMPORARY EQUITY		
Redeemable noncontrolling interests in consolidated entities	328.3	283.7
PERMANENT EQUITY		
Equity attributable to Invesco Ltd.:		
Common shares (\$0.20 par value; 1,050.0 million authorized; 490.4 million shares issued as of June 30, 2017 and December 31, 2016)	98.1	98.1
Additional paid-in-capital	6,206.2	6,227.4
Treasury shares	(2,788.9)	(2,845.8)

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Retained earnings	5,051.3	4,833.4
Accumulated other comprehensive income/(loss), net of tax	(594.2)	(809.3)
Total equity attributable to Invesco Ltd.	7,972.5	7,503.8
Equity attributable to nonredeemable noncontrolling interests in consolidated entities	201.5	108.0
Total permanent equity	8,174.0	7,611.8
Total liabilities, temporary and permanent equity	28,248.5	25,734.3
See accompanying notes.		

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Invesco Ltd.
Condensed Consolidated Statements of Income
(Unaudited)

	Three months ended June 30,		Six months ended June 30,	
\$ in millions, except per share data	2017	2016	2017	2016
Operating revenues:				
Investment management fees	1,010.4	946.7	1,965.6	1,860.3
Service and distribution fees	211.3	203.4	417.7	401.1
Performance fees	16.7	8.9	28.0	23.4
Other	16.0	30.4	35.7	53.3
Total operating revenues	1,254.4	1,189.4	2,447.0	2,338.1
Operating expenses:				
Third-party distribution, service and advisory	365.9	348.4	715.2	695.6
Employee compensation	365.6	350.3	762.4	694.7
Marketing	29.1	28.3	53.5	53.2
Property, office and technology	89.0	82.3	174.5	162.2
General and administrative	85.9	78.6	163.9	156.5
Total operating expenses	935.5	887.9	1,869.5	1,762.2
Operating income	318.9	301.5	577.5	575.9
Other income/(expense):				
Equity in earnings of unconsolidated affiliates	10.5	4.6	28.2	(7.6)
Interest and dividend income	1.6	2.5	4.5	6.1
Interest expense	(23.6)	(22.1)	(47.6)	(46.0)
Other gains and losses, net	2.5	(4.2)	8.7	(8.9)
Other income/(expense) of CIP, net	32.3	37.9	60.8	30.4
Income before income taxes	342.2	320.2	632.1	549.9
Income tax provision	(92.6)	(83.7)	(168.3)	(155.6)
Net income	249.6	236.5	463.8	394.3
Net (income)/loss attributable to noncontrolling interests in consolidated entities	(10.0)	(11.0)	(12.2)	(7.8)
Net income attributable to Invesco Ltd.	239.6	225.5	451.6	386.5
Earnings per share:				
-basic	\$0.58	\$0.54	\$1.10	\$0.92
-diluted	\$0.58	\$0.54	\$1.10	\$0.92
Dividends declared per share	\$0.29	\$0.28	\$0.57	\$0.55

See accompanying notes.

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Invesco Ltd.
Condensed Consolidated Statements of Comprehensive Income
(Unaudited)

	Three months ended June 30,		Six months ended June 30,	
\$ in millions	2017	2016	2017	2016
Net income	249.6	236.5	463.8	394.3
Other comprehensive income/(loss), net of tax:				
Currency translation differences on investments in foreign subsidiaries	147.4	(166.6)	210.0	(69.4)
Actuarial (loss)/gain related to employee benefit plans	—	—	(0.4)	(0.4)
Reclassification of prior service cost/(credit) into employee compensation expense	—	(1.8)	—	(3.4)
Reclassification of actuarial (gain)/loss into employee compensation expense	0.5	0.5	1.1	0.8
Share of other comprehensive income/(loss) of equity method investments	0.9	0.9	1.2	0.6
Unrealized gains/(losses) on available-for-sale investments	0.9	(0.6)	4.0	1.7
Reclassification of net (gains)/losses realized on available-for-sale investments included in other gains and losses, net	(0.2)	(0.1)	(0.8)	(0.3)
Other comprehensive income/(loss)	149.5	(167.7)	215.1	(70.4)
Total comprehensive income/(loss)	399.1	68.8	678.9	323.9
Comprehensive loss/(income) attributable to noncontrolling interests in consolidated entities	(10.0)	(8.5)	(12.2)	(5.3)
Comprehensive income/(loss) attributable to Invesco Ltd.	389.1	60.3	666.7	318.6
See accompanying notes.				

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Invesco Ltd.
Condensed Consolidated Statements of Cash Flows
(Unaudited)

	Six months ended June 30,	
\$ in millions	2017	2016
Operating activities:		
Net income	463.8	394.3
Adjustments to reconcile net income to net cash provided by/(used in) operating activities:		
Amortization and depreciation	52.5	49.9
Share-based compensation expense	92.5	79.1
Other (gains)/losses, net	(8.7)	8.9
Other (gains)/losses of CIP, net	(38.1)	(0.4)
Equity in earnings of unconsolidated affiliates	(28.2)	7.6
Dividends from unconsolidated affiliates	1.2	0.9
Changes in operating assets and liabilities:		
(Increase)/decrease in cash held by CIP	407.0	(8.9)
(Purchase)/sale of investments by CIP, net	(245.8)	(118.5)
(Purchase)/sale of trading investments, net	174.5	(14.7)
(Increase)/decrease in receivables	(2,324.5)	(1,823.9)
Increase/(decrease) in payables	2,235.4	1,639.3
Net cash provided by/(used in) operating activities	781.6	213.6
Investing activities:		
Purchase of property, equipment and software	(59.9)	(65.3)
Purchase of available-for-sale investments	(7.7)	(4.1)
Sale of available-for-sale investments	57.6	5.7
Purchase of investments by CIP	(3,080.5)	(1,220.1)
Sale of investments by CIP	3,145.8	908.4
Purchase of other investments	(87.6)	(61.6)
Sale of other investments	63.3	53.3
Returns of capital and distributions from unconsolidated partnership investments	37.3	22.8
Purchase of business	—	(121.9)
Net cash provided by/(used in) investing activities	68.3	(482.8)
Financing activities:		
Purchases of treasury shares	(57.3)	(244.0)
Dividends paid	(233.7)	(230.6)
Excess tax benefits from share-based compensation	—	(3.1)
Third-party capital invested into CIP	299.7	141.1
Third-party capital distributed by CIP	(62.9)	(44.8)
Borrowings of debt by CIP	1,459.3	387.3
Repayments of debt by CIP	(1,957.1)	(75.9)
Net borrowings/(repayments) under credit facility	(28.7)	—
Payment of contingent consideration	(7.2)	(6.2)
Net cash provided by/(used in) financing activities	(587.9)	(76.2)
Increase/(decrease) in cash and cash equivalents	262.0	(345.4)

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Foreign exchange movement on cash and cash equivalents	56.1	(59.8)
Cash and cash equivalents, beginning of period	1,328.0	1,851.4
Cash and cash equivalents, end of period	1,646.1	1,446.2
Supplemental Cash Flow Information:		
Interest paid	(43.1)	(33.3)
Interest received	2.0	3.3
Taxes paid	(126.3)	(98.6)
See accompanying notes.		

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Invesco Ltd.
Condensed Consolidated Statements of Changes in Equity
(Unaudited)

Equity Attributable to Invesco Ltd.

\$ in millions	Common Shares	Additional Paid-in-Capital	Treasury Shares	Retained Earnings	Other Comprehensive Income/(Loss)	Accumulated Total Equity Attributable to Invesco Ltd.	Nonredeemable Noncontrolling Interests in Consolidated Entities	Noncontrolling Total Permanent Equity	Redeemable Noncontrolling Interests in Consolidated Entities Temporary Equity
January 1, 2017	98.1	6,227.4	(2,845.8)	4,833.4	(809.3)	7,503.8	108.0	7,611.8	283.7
Net income	—	—	—	451.6	—	451.6	(4.4)	447.2	16.6
Other comprehensive income	—	—	—	—	215.1	215.1	—	215.1	—
Change in noncontrolling interests in consolidated entities, net	—	—	—	—	—	—	97.9	97.9	28.0
Dividends	—	—	—	(233.7)	—	(233.7)	—	(233.7)	—
Employee share plans:									
Share-based compensation	—	92.5	—	—	—	92.5	—	92.5	—
Vested shares	—	(113.8)	113.8	—	—	—	—	—	—
Other share awards	—	0.1	0.4	—	—	0.5	—	0.5	—
Purchase of shares	—	—	(57.3)	—	—	(57.3)	—	(57.3)	—
June 30, 2017	98.1	6,206.2	(2,788.9)	5,051.3	(594.2)	7,972.5	201.5	8,174.0	328.3

See accompanying notes.

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Invesco Ltd.

Consolidated Statements of Changes in Equity (continued)

(Unaudited)

Equity Attributable to Invesco Ltd.

\$ in millions	Equity Attributable to Invesco Ltd.						Nonredeemable Noncontrolling Interests in Consolidated Entities		Redeemable Noncontrolling Interests in Consolidated Entities	
	Common Shares	Additional Paid-in-Capital	Treasury Shares	Retained Earnings	Other Comprehensive Income	Total Equity Attributable to Invesco Ltd.	Noncontrolling Interests in Consolidated Entities	Total Permanent Equity	in Consolidated Entities	Temporary Equity
January 1, 2016	98.1	6,197.7	(2,404.1)	4,439.6	(446.0)	7,885.3	810.4	8,695.7	167.3	
Adjustment for adoption of ASU 2015-02	—	—	—	—	—	—	(733.5)	(733.5)	226.6	
January 1, 2016, as adjusted	98.1	6,197.7	(2,404.1)	4,439.6	(446.0)	7,885.3	76.9	7,962.2	393.9	
Net income	—	—	—	386.5	—	386.5	(2.3)	384.2	10.1	
Other comprehensive income	—	—	—	—	(67.9)	(67.9)	—	(67.9)	(2.5)	
Change in noncontrolling interests in consolidated entities, net	—	—	—	—	—	—	(0.4)	(0.4)	(88.9)	
Dividends	—	—	—	(230.6)	—	(230.6)	—	(230.6)	—	
Employee share plans:										
Share-based compensation	—	79.1	—	—	—	79.1	—	79.1	—	
Vested shares	—	(94.5)	94.5	—	—	—	—	—	—	
Other share awards	—	0.2	0.4	—	—	0.6	—	0.6	—	
Tax impact of share-based payment	—	(3.1)	—	—	—	(3.1)	—	(3.1)	—	
Purchase of shares	—	(30.0)	(364.0)	—	—	(394.0)	—	(394.0)	—	
June 30, 2016	98.1	6,149.4	(2,673.2)	4,595.5	(513.9)	7,655.9	74.2	7,730.1	312.6	

See accompanying notes.

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Invesco Ltd.

Notes to the Condensed Consolidated Financial Statements

(Unaudited)

1. ACCOUNTING POLICIES

Corporate Information

Invesco Ltd. (Parent) and all of its consolidated entities (collectively, the company or Invesco) provide retail and institutional clients with an array of global investment management capabilities. The company operates globally and its sole business is investment management.

Certain disclosures included in the company's annual report on Form 10-K for the year ended December 31, 2016 (annual report or Form 10-K) are not required to be included on an interim basis in the company's quarterly reports on Forms 10-Q (Report). The company has condensed or omitted these disclosures. Therefore, this Report should be read in conjunction with the company's annual report.

Basis of Accounting and Consolidation

The unaudited Condensed Consolidated Financial Statements have been prepared in accordance with accounting principles generally accepted in the United States for interim financial information and with rules and regulations of the Securities and Exchange Commission and consolidate the financial statements of the Parent and all of its controlled subsidiaries. In the opinion of management, the financial statements reflect all adjustments, consisting of normal recurring accruals, which are necessary for the fair statement of the financial condition and results of operations for the periods presented. All significant intercompany transactions, balances, revenues and expenses are eliminated upon consolidation.

Money Market Fee Waivers

The company is currently voluntarily providing yield support waivers of its management fees on certain money market funds to ensure that they maintain a minimum level of daily net investment income. During the three and six months ended June 30, 2017, yield support waivers resulted in a reduction of investment management and service and distribution fees of approximately \$1.1 million and \$3.0 million, respectively. During the three and six months ended June 30, 2017, approximately 72% and 66%, respectively, of yield support waivers are offset by a reduction in third party distribution, service and advisory expenses, resulting in a net waiver of \$0.3 million and \$1.0 million for the three and six months ended June 30, 2017, respectively. The company has provided yield support waivers in prior periods and may increase or decrease the level of fee waivers in future periods.

Accounting Pronouncements Recently Adopted and Pending Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update 2014-09, "Revenue from Contracts with Customers" (ASU 2014-09) which revises revenue recognition criteria and expands disclosure requirements. This new guidance will be effective for interim and annual reporting periods beginning after December 15, 2017. The company will implement this new accounting standard on January 1, 2018. However, a decision on the adoption method has not been made as of the date of this Report. There are certain elements of this new accounting guidance that are still being interpreted. For example, the AICPA Asset Management Task Force is assessing ten implementation topics and, as of this reporting date, only four of the ten topics have been finalized. The underlying premise of the new guidance requires the employment of a five step model to determine the amount of revenue that reflects the consideration to which the company expects to be entitled for the transfer of services to customers and the timing of recognition. In addition, ASU 2014-09 also requires certain costs to obtain and fulfill contracts with customers to be capitalized, if they meet certain criteria. Capitalized contract costs are subject to amortization and periodic impairment testing. A key part of management's implementation efforts is the detailed review of the terms and conditions of a sample of revenue contracts covering a broad range of products across geographic locations. This review is complete. The company does not anticipate a significant change in the timing of revenue recognition for management and service fee revenues. Performance fees (including carried interest) are under

evaluation; the timing of recognition will be driven by the terms of each performance fee arrangement. We continue to assess the impact of the rule changes on required disclosures, the accounting for costs associated with revenue contracts, and gross versus net revenue presentation. The above findings are based on our work performed to date. Further impacts may be identified as we continue our assessment and as additional guidance (including interpretive guidance) is issued.

In March 2016, the FASB issued Accounting Standards Update 2016-09, "Compensation - Stock Compensation: Improvements to Employee Share-Based Payment Accounting" (ASU 2016-09). The standard is intended to simplify aspects of the accounting for share-based payment transactions, including income tax impacts, classification on the statement of cash

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flows, and forfeitures. The company adopted ASU 2016-09 on January 1, 2017. One of the impacts of the new rules is that excess tax benefits and tax deficiencies related to vested awards are no longer recorded in additional paid-in-capital but rather as an income tax expense or benefit. This provision requires a prospective approach to adoption. In the three and six months ended June 30, 2017, the recognition of excess tax benefits reduced our income tax provision by \$0.9 million and \$2.2 million, respectively.

Another change resulting from the adoption of ASU 2016-09 relates to the presentation of excess tax benefits and tax deficiencies in the Condensed Consolidated Statements of Cash Flows. The standard requires that excess tax benefits and tax deficiencies be shown as operating cash flows within the Condensed Consolidated Statements of Cash Flows; previously, the company reported these cash flow activities as financing cash flows. The company elected to use a prospective approach to adoption related to this provision and in the six months ended June 30, 2017, \$2.2 million cash inflows were included within the increase/(decrease) in payables as an operating cash flow in the Condensed Consolidated Statements of Cash Flows. ASU 2016-09 requires that employee taxes paid when shares are withheld for tax withholding purposes be reported as a financing activity in the Condensed Consolidated Statements of Cash Flows. The company has retrospectively adopted this change and included \$57.3 million in financing activities for the six months ended June 30, 2017 (six months ended June 30, 2016: \$39.0 million). Additionally, the new rules allow companies to elect to continue to account for forfeitures using an estimate or instead to elect to account for forfeitures as they occur. The company elected to continue to account for forfeitures using an estimate. The company anticipates fluctuations in its effective tax rate as a result of the excess tax benefits or tax deficiencies being recorded to the income tax provision, particularly in the first quarter of each year when annual share awards vest.

In October 2016, the FASB issued Accounting Standards Update 2016-17, “Consolidation: Interests Held through Related Parties That Are under Common Control” (ASU 2016-17). The standard addresses how a reporting entity determines if it satisfies the characteristics of a primary beneficiary of a variable interest entity (VIE) and which party within a group is considered the primary beneficiary. The company adopted ASU 2016-17 on January 1, 2017 and determined that this guidance did not materially change the company's consolidation conclusions.

In February 2017, the FASB issued Accounting Standards Update 2017-05, “Other Income-Gains and Losses from the Derecognition of Nonfinancial Assets: Clarifying the Scope of Asset Derecognition Guidance and Accounting for Partial Sales of Nonfinancial Assets” (ASU 2017-05). The standard clarifies the scope of accounting for gains and losses from the derecognition of nonfinancial assets and adds guidance for partial sales of nonfinancial assets. ASU 2017-05 is effective for fiscal years and interim periods within those years beginning after December 15, 2017 and must be adopted at the same time as ASU 2014-09. The amendments allow either a retrospective or modified retrospective approach to adoption, and early adoption is permitted. The company is currently evaluating the impact of this standard.

In March 2017, the FASB issued Accounting Standard Update 2017-07, “Compensation-Retirement Benefits: Improving the Presentation of Net Periodic Pension Cost and Net Periodic Postretirement Benefit Cost” (ASU 2017-07). The amendments require that an employer disaggregate the service cost component from the other components of net benefit cost. The amendments also provide guidance on how to present the service cost component and the other components of net benefit cost in the income statement and allow that only the service cost component of net benefit cost is eligible for capitalization. ASU 2017-07 is effective for fiscal years and interim periods within those years beginning after December 15, 2017. The amendments require primarily a retrospective approach to adoption. The application of the new rules will result in the reclassification of pension related costs within the Consolidated Statements of Income and no impact to the results of operations.

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The carrying value and fair value of financial instruments are presented in the below summary table. The fair value of financial instruments held by CIP is presented in Note 12, "Consolidated Investment Products."

\$ in millions	Footnote Reference	June 30, 2017		December 31, 2016	
		Carrying Value	Fair Value	Carrying Value	Fair Value
Cash and cash equivalents		1,646.1	1,646.1	1,328.0	1,328.0
Available-for-sale investments	3	108.3	108.3	154.0	154.0
Trading investments	3	228.5	228.5	329.6	329.6
Foreign time deposits *	3	22.3	22.3	26.9	26.9
Assets held for policyholders		10,716.7	10,716.7	8,224.2	8,224.2
Policyholder payables *		(10,716.7)	(10,716.7)	(8,224.2)	(8,224.2)
Put option contracts		4.3	4.3	21.8	21.8
UIT-related financial instruments sold, not yet purchased		(1.1)	(1.1)	(6.0)	(6.0)
Contingent consideration liability		(69.2)	(69.2)	(78.2)	(78.2)
Long-term debt *	4	(2,074.8)	(2,265.3)	(2,102.4)	(2,206.5)

These financial instruments are not measured at fair value on a recurring basis. See the indicated footnotes or most recently filed Form 10-K for additional information about the carrying and fair values of these financial instruments.

Foreign time deposits are measured at cost plus accrued interest, which approximates fair value, and are accordingly classified as Level 2 securities.

A three-level valuation hierarchy exists for disclosure of fair value measurements based upon the transparency of inputs into the valuation of an asset or liability as of the measurement date. The three levels are defined as follows:

Level 1 - inputs to the valuation methodology are quoted prices (unadjusted) for identical assets or liabilities in active markets.

Level 2 - inputs to the valuation methodology include quoted prices for similar assets and liabilities in active markets, and inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument.

Level 3 - inputs to the valuation methodology are unobservable and significant to the fair value measurement.

An asset or liability's categorization within the valuation hierarchy is based upon the lowest level of input that is significant to the fair value measurement.

There are three types of valuation approaches: a market approach, which uses observable prices and other relevant information that is generated by market transactions involving identical or comparable assets or liabilities; an income approach, which uses valuation techniques to convert future amounts to a single, discounted present value amount; and a cost approach, which is based on the amount that currently would be required to replace the service capacity of an asset.

The following is a description of the valuation methodologies used for assets and liabilities measured at fair value, as well as the general classification of such assets and liabilities pursuant to the valuation hierarchy.

Cash equivalents

Cash investments in money market funds are valued under the market approach through the use of quoted market prices in an active market, which is the net asset value (NAV) of the underlying funds, and are classified within level 1 of the valuation hierarchy.

Available-for-sale investments

Seed money is valued under the market approach through the use of quoted market prices available in an active market and is classified within level 1 of the valuation hierarchy; there is no modeling or additional information needed to arrive at the fair values of these investments. At June 30, 2017 and December 31, 2016, investments in collateralized loan obligations (CLOs) were valued using pricing information obtained by an independent third-party pricing source. Other debt securities are valued using a cost valuation technique due to the lack of available cash flow and market data and are accordingly classified within level 3 of the valuation hierarchy.

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Trading investments

•Investments related to deferred compensation plans

Investments related to deferred compensation plans are valued under the market approach through the use of quoted prices in an active market and are classified within level 1 of the valuation hierarchy.

•Seed money

Seed money is valued under the market approach through the use of quoted market prices available in an active market and is classified within level 1 of the valuation hierarchy; there is no modeling or additional information needed to arrive at the fair values of these investments.

•Other equity securities

Other equity securities consist of investments in publicly-traded equity securities. These securities are valued under the market approach through the use of quoted prices on an exchange. To the extent these securities are actively traded, valuation adjustments are not applied and they are categorized within level 1 of the valuation hierarchy; otherwise, they are categorized in level 2.

•UIT-related equity and debt securities

The company invests in Unit Investment Trust (UIT)-related equity and debt securities consisting of investments in corporate equities, UITs, and municipal securities. Each is discussed more fully below.

Corporate equities

The company temporarily holds investments in corporate equities for purposes of creating a UIT. Corporate equities are valued under the market approach through use of quoted prices on an exchange. To the extent these securities are actively traded, valuation adjustments are not applied and they are categorized within level 1 of the valuation hierarchy; otherwise, they are categorized in level 2.

UITs

The company may hold units of its sponsored UITs at period-end for sale in the primary market or secondary market. Equity UITs are valued under the market approach through use of quoted prices on an exchange. Fixed income UITs are valued using recently executed transaction prices, market price quotations (where observable), bond spreads, or credit default swap spreads. The spread data used is for the same maturities as the underlying bonds. If the spread data does not reference the issuers, then data that references comparable issuers is used. When observable price quotations are not available, fair value is determined based on cash flow models with yield curves, bond or single name credit default spreads, and recovery rates based on collateral value as key inputs. Depending on the nature of the inputs, these investments are categorized as level 1, 2, or 3.

Put option contracts

The company has purchased put option contracts to hedge economically foreign currency risk on the translation of a portion of its

Pound Sterling-denominated earnings and Euro-denominated earnings into U.S. Dollars (purchases of \$3.9 million and \$8.1 million in the three and six months ended June 30, 2017, respectively; three and six months ended June 30, 2016: zero and \$7.0 million, respectively). These were the only contracts entered into during the period to hedge economically foreign currency risk on the translation of a portion of the Pound Sterling-denominated earnings and provide coverage through December 31, 2018. The contracts entered into during 2016 to hedge economically foreign currency risk on the translation of a portion of the Euro-denominated earnings provide coverage through December 27, 2017.

The economic hedge is predominantly triggered upon the impact of a significant decline in the respective Pound Sterling/U.S. Dollar foreign exchange rate or Euro/U.S. Dollar foreign exchange rate. Open put option contracts are marked-to-market through earnings, which are recorded in the company's Condensed Consolidated Statements of Income in other gains and losses, net. These derivative contracts are valued using option valuation models and are

included in other assets in the company's Condensed Consolidated Balance Sheets. The significant inputs in these models (volatility, forward points and swap curves) are readily available in public markets or can be derived from observable market transactions for substantially the full terms of the contracts and are classified within level 2 of the valuation hierarchy. The company recognized a net loss of \$9.2 million and \$17.4 million in the three and six months ended June 30, 2017, respectively (three and six months ended June 30, 2016: \$6.6 million and \$9.1 million net gain, respectively) related to the change in market value of these put option contracts.

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Deferred compensation-related total return swap

In addition to holding trading investments, in 2017 the company purchased a total return swap (TRS) to hedge economically certain of these deferred compensation liabilities. The notional value of the total return swap at June 30, 2017 was \$106.2 million and its market value was \$0.1 million. The market value of the TRS was determined under the market approach using quoted prices of the underlying investments. The TRS is classified as level 2 of the valuation hierarchy. During the three months ended June 30, 2017, market valuation gains of \$2.5 million were recognized in other gains and losses, net.

Assets held for policyholders

Assets held for policyholders are measured at fair value under the market approach based on the quoted prices of the underlying funds in an active market and are classified within level 1 of the valuation hierarchy. The policyholder payables are indexed to the value of the assets held for policyholders and are therefore not included in the tables below.

Contingent Consideration Liability

During 2015, the company acquired certain investment management contracts from Deutsche Bank. Indefinite-lived intangible assets were valued at \$119.3 million. This transaction was a non-cash investing activity during that period. The purchase price was comprised solely of contingent consideration payable in future periods, and is linked to future revenues generated from the contracts. The contingent consideration liability was recorded at fair value as of the date of acquisition using a discounted cash flow model, and is categorized within level 3 of the valuation hierarchy. Anticipated future cash flows were determined using forecasted assets under management (AUM) levels and discounted back to the valuation date. The company reassesses significant unobservable inputs during each reporting period. At June 30, 2017 inputs used in the model included assumed growth rates in AUM ranging from 0.69% to 4.4% (weighted average growth rate of 2.19%) and a discount rate of 3.69%. Changes in fair value are recorded in other gains and losses, net in the Condensed Consolidated Statements of Income in the period incurred. An increase in AUM levels and a decrease in the discount rate would increase the fair value of the contingent consideration liability while a decrease in forecasted AUM and an increase in the discount rate would decrease the liability.

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The following table presents, for each of the hierarchy levels described above, the carrying value of the company's assets and liabilities, including major security type for equity and debt securities, which are measured at fair value on the company's Condensed Consolidated Balance Sheet as of June 30, 2017:

\$ in millions	As of June 30, 2017			
	Fair Value Measurements	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Cash equivalents:				
Money market funds	795.1	795.1	—	—
Investments:*				
Available-for-sale:				
Seed money	88.1	88.1	—	—
CLOs	10.4	—	10.4	—
Other debt securities	9.8	—	—	9.8
Trading investments:				
Investments related to deferred compensation plans	86.3	86.3	—	—
Seed money	121.5	121.5	—	—
Other equity securities	19.5	19.5	—	—
UIT-related equity and debt securities:				
UITs	1.2	1.2	—	—
Assets held for policyholders	10,716.7	10,716.7	—	—
Put option contracts	4.3	—	4.3	—
Total	11,852.9	11,828.4	14.7	9.8
Liabilities:				
UIT-related financial instruments sold, not yet purchased:				
Exchange traded funds	(1.1)	(1.1)	—	—
Contingent consideration liability	(69.2)	—	—	(69.2)
Total	(70.3)	(1.1)	—	(69.2)

Foreign time deposits of \$22.3 million are excluded from this table. Equity method and other investments of \$277.4 million and \$6.1 million, respectively, are also excluded from this table. These investments are not measured at fair value, in accordance with applicable accounting standards.

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The following table presents, for each of the hierarchy levels described above, the carrying value of the company's assets and liabilities, including major security type for equity and debt securities, which are measured at fair value on the company's Condensed Consolidated Balance Sheet as of December 31, 2016:

\$ in millions	As of December 31, 2016			
	Fair Value Measurements	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
Cash equivalents:				
Money market funds	476.2	476.2	—	—
Investments:*				
Available-for-sale:				
Seed money	127.9	127.9	—	—
CLOs	12.9	—	—	12.9
Other debt securities	13.2	—	—	13.2
Trading investments:				
Investments related to deferred compensation plans	170.5	170.5	—	—
Seed Money	121.9	121.9	—	—
Other equity securities	30.4	30.4	—	—
UIT-related equity and debt securities:				
Corporate equities	1.2	1.2	—	—
UITs	5.6	5.6	—	—
Assets held for policyholders	8,224.2	8,224.2	—	—
Put option contracts	21.8	—	21.8	—
Total	9,205.8	9,157.9	21.8	26.1
Liabilities:				
UIT-related financial instruments sold, not yet purchased:				
Exchange traded funds	(5.2)	(5.2)	—	—
US treasury securities	(0.8)	(0.8)	—	—
Contingent consideration liability	(78.2)	—	—	(78.2)
Total	(84.2)	(6.0)	—	(78.2)

Foreign time deposits of \$26.9 million are excluded from this table. Equity method and other investments of \$279.0 million and \$5.8 million, respectively, are also excluded from this table. These investments are not measured at fair value, in accordance with applicable accounting standards.

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The following table shows a reconciliation of the beginning and ending fair value measurements for level 3 assets and liabilities during the three and six months ended June 30, 2017 and June 30, 2016, which are valued using significant unobservable inputs:

\$ in millions	Three months ended June 30, 2017			Six months ended June 30, 2017		
	Contingent Consideration Liability	Other Debt Securities		Contingent Consideration Liability	Other Debt Securities	
Beginning balance	(74.1)	12.9		(78.2)	12.9	13.2
Purchases/acquisitions	—	—		—	—	7.3
Net unrealized gains and losses included in other gains and losses, net*	1.3	(2.2)		1.8	—	(2.2)
Disposition/settlements	3.6	(0.9)		7.2	—	(8.5)
Transfer from level 3 to level 2	—	—		—	(12.9)	—
Ending balance	(69.2)	9.8		(69.2)	—	9.8

\$ in millions	Three months ended June 30, 2016			Six months ended June 30, 2016		
	Contingent Consideration Liability	Other Debt Securities		Contingent Consideration Liability	Other Debt Securities	
Beginning balance	(77.2)	11.8	4.3	(83.9)	1.4	5.9
Adjustment for adoption of ASU 2015-02	—	—	—	—	11.5	—
Beginning balance, as adjusted	(77.2)	11.8	4.3	(83.9)	12.9	5.9
Returns of capital	—	(0.8)	(1.0)	—	(1.3)	(2.6)
Net unrealized gains and losses included in other gains and losses, net*	(15.1)	—	—	(11.6)	—	—
Net unrealized gains and losses included in accumulated other comprehensive income/(loss)*	—	0.5	—	—	(0.1)	—
Disposition/settlements	3.0	—	—	6.2	—	—
Ending balance	(89.3)	11.5	3.3	(89.3)	11.5	3.3

*These unrealized gains and losses are attributable to balances still held at the respective period ends.

3. INVESTMENTS

The disclosures below include details of the company's investments. Investments held by CIP are detailed in Note 12, "Consolidated Investment Products."

\$ in millions	June 30, December 31,	
	2017	2016
Available-for-sale investments:		
Seed money	88.1	127.9
CLOs	10.4	12.9
Other debt securities	9.8	13.2
Trading investments:		
Investments related to deferred compensation plans	86.3	170.5
Seed money	121.5	121.9

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Other equity securities	19.5	30.4
UIT-related equity and debt securities	1.2	6.8
Equity method investments	277.4	279.0
Foreign time deposits	22.3	26.9
Other	6.1	5.8
Total investments	642.6	795.3

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Available for sale investments

Realized gains and losses recognized in the Condensed Consolidated Statements of Income during the period from investments classified as available-for-sale are as follows:

	For the three months ended June 30, 2017			For the six months ended June 30, 2017		
	Proceeds from Sales	Gross Realized Gains	Gross Realized Losses	Proceeds from Sales	Gross Realized Gains	Gross Realized Losses
\$ in millions						
Seed money	12.3	—	(0.7)	46.5	0.9	(1.3)
CLOs	0.6	0.1	—	2.6	0.4	—
Other debt securities	0.9	0.8	—	8.5	0.8	—
	13.8	0.9	(0.7)	57.6	2.1	(1.3)
	For the three months ended June 30, 2016			For the six months ended June 30, 2016		
	Proceeds from Sales	Gross Realized Gains	Gross Realized Losses	Proceeds from Sales	Gross Realized Gains	Gross Realized Losses
\$ in millions						
Seed money	0.6	0.1	—	1.8	0.4	—
CLOs	0.8	—	—	1.3	—	—
Other debt securities	1.0	—	—	2.6	—	—
	2.4	0.1	—	5.7	0.4	—

Upon the sale of available-for-sale securities, net realized gains of \$0.2 million and \$0.8 million were transferred from accumulated other comprehensive income/(loss) into the Condensed Consolidated Statements of Income during the three and six months ended June 30, 2017, respectively (three and six months ended June 30, 2016: \$0.1 million and \$0.4 million, respectively). The specific identification method is used to determine the realized gain or loss on securities sold or otherwise disposed.

Gross unrealized holding gains and losses recognized in other accumulated other comprehensive income/(loss) from available-for-sale investments are presented in the table below:

	June 30, 2017				December 31, 2016			
	Cost	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Fair Value	Cost	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Fair Value
\$ in millions								
Seed money	82.7	7.2	(1.8)	88.1	127.2	6.8	(6.1)	127.9
CLOs	7.3	3.1	—	10.4	9.2	3.7	—	12.9
Other debt securities	9.8	—	—	9.8	13.2	—	—	13.2
	99.8	10.3	(1.8)	108.3	149.6	10.5	(6.1)	154.0

At June 30, 2017, 87 seed money funds (December 31, 2016: 103 seed money funds) had incurred gross unrealized holding losses. The following table provides a breakdown of the unrealized losses.

	June 30, 2017		December 31, 2016	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
\$ in millions				

Less than 12 months	17.4	(0.4	)	1.9	(0.2	)
12 months or greater	37.9	(1.4	)	56.4	(5.9	)
Total	55.3	(1.8	)	58.3	(6.1	)

The company has reviewed investment securities for other-than-temporary impairment (OTTI) in accordance with its accounting policy and has recognized \$3.2 million of other-than-temporary impairment charges on available-for-sale investments during the six months ended June 30, 2017 (six months ended June 30, 2016: none). In contemplation of OTTI, the company conducts a review of the financial condition and near-term prospects of the underlying securities as well as the severity and duration of any declines in fair value. No OTTI is recorded for seeded funds which are expected to recover their value over time and for which the company has the intent and ability to hold the securities until this recovery occurs. For CLO

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investments, the company reviewed the estimated future cashflows of each CLO. If the present value of the estimated future cashflows is lower than the carrying value of the investment and there is an adverse change in estimated cashflows, the impairment is considered to be other than temporary. During the six months ended June 30, 2017 and 2016, no other-than-temporary impairment related to credit related factors was recognized.

Available-for-sale debt securities as of June 30, 2017 by maturity, are set out below:

	Available-for-Sale (Fair Value)
Less than one year	10.1
One to five years	0.2
Five to ten years	9.9
Greater than ten years	—
Total available-for-sale	20.2

Trading investments

The portion of trading gains and losses for the three and six months ended June 30, 2017, that relates to trading securities still held at June 30, 2017, was a \$5.4 million net gain and \$10.2 million net gain, respectively (three and six months ended June 30, 2016: \$3.3 million net gain and \$1.6 million net gain, respectively).

4. LONG-TERM DEBT

The disclosures below include details of the company's debt. Debt of CIP is detailed in Note 12, "Consolidated Investment Products."

	June 30, 2017		December 31, 2016	
\$ in millions	Carrying Value	Fair Value**	Carrying Value	Fair Value
Floating rate credit facility expiring August 7, 2020	—	—	28.7	28.7
Unsecured Senior Notes*:				
\$600 million 3.125% - due November 30, 2022	596.6	618.1	596.3	604.7
\$600 million 4.000% - due January 30, 2024	593.6	637.9	593.2	625.3
\$500 million 3.750% - due January 15, 2026	494.8	523.7	494.5	506.4
\$400 million 5.375% - due November 30, 2043	389.8	485.6	389.7	441.4
Long-term debt	2,074.8	2,265.3	2,102.4	2,206.5

* The company's senior note indentures contain certain restrictions on mergers or consolidations. Beyond these items, there are no other restrictive covenants in the indentures.

** The difference between the principal amounts and the carrying values of the senior notes in the table above reflect the unamortized debt issuance costs and discounts.

The issuer of the senior notes is an indirect 100% owned finance subsidiary of the Parent, and the Parent fully and unconditionally guarantees the securities. The requirement of certain subsidiaries of the Parent to maintain minimum levels of capital and other similar provisions of applicable law may have the effect of limiting withdrawals of capital, repayment of intercompany loans and payment of dividends by such entities.

The fair market value of the company's senior notes was determined by market quotes provided by Bloomberg, which is considered a level 2 valuation input. In the absence of an active market, the company relies upon the average price quoted by brokers for determining the fair market value of the debt.

At June 30, 2017, the company's outstanding senior notes of \$2,074.8 million mature in periods greater than five years from the balance sheet date. The floating rate credit facility will expire in less than five years.

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At June 30, 2017, the outstanding balance on the \$1.25 billion credit facility was zero (December 31, 2016: \$28.7 million). The credit facility will bear interest at (i) LIBOR for specified borrowing periods or (ii) a floating base rate (based upon the highest of (a) the Bank of America prime rate, (b) the Federal Funds rate plus 0.50% and (c) LIBOR for an interest period of one month plus 1.00%), plus, in either case, an applicable incremental margin determined with reference to the higher of the available credit ratings of the company or its indirect subsidiary Invesco Finance PLC. Based on credit ratings as of June 30, 2017 of the company, the applicable incremental margin for LIBOR-based loans was 0.875% and for base rate loans was 0.00%. In addition, the company is required to pay the lenders a facility fee on the aggregate commitments of the lenders (whether or not used) at a rate per annum which is based on the higher of the available credit ratings of the company or its indirect subsidiary Invesco Finance PLC. Based on credit ratings as of June 30, 2017, the annual facility fee was equal to 0.125%.

The credit agreement governing the credit facility contains customary restrictive covenants on the company and its subsidiaries. Restrictive covenants in the credit agreement include, but are not limited to: prohibitions on creating, incurring or assuming any liens; entering into merger arrangements; selling, leasing, transferring or otherwise disposing of assets; making a material change in the nature of the business; making a significant accounting policy change in certain situations; entering into transactions with affiliates; and incurring indebtedness through the subsidiaries (other than the borrower, Invesco Finance PLC). Many of these restrictions are subject to certain minimum thresholds and exceptions. Financial covenants under the credit agreement include: (i) the quarterly maintenance of a debt/EBITDA leverage ratio, as defined in the credit agreement, of not greater than 3.25:1.00, (ii) a coverage ratio (EBITDA, as defined in the credit agreement/interest payable for the four consecutive fiscal quarters ended before the date of determination) of not less than 4.00:1.00.

The credit agreement governing the credit facility also contains customary provisions regarding events of default which could result in an acceleration or increase in amounts due, including (subject to certain materiality thresholds and grace periods) payment default, failure to comply with covenants, material inaccuracy of representation or warranty, bankruptcy or insolvency proceedings, change of control, certain judgments, ERISA matters, cross-default to other debt agreements, governmental action prohibiting or restricting the company or its subsidiaries in a manner that has a material adverse effect and failure of certain guaranty obligations. The company is in compliance with all regulatory minimum net capital requirements.

The lenders (and their respective affiliates) may have provided, and may in the future provide, investment banking, cash management, underwriting, lending, commercial banking, leasing, foreign exchange, trust or other advisory services to the company and its subsidiaries and affiliates. These parties may have received, and may in the future receive, customary compensation for these services.

The company maintains approximately \$10.3 million in letters of credit from a variety of banks. The letters of credit are generally one-year automatically-renewable facilities and are maintained for various commercial reasons.

5. SHARE CAPITAL

The number of common shares and common share equivalents issued are represented in the table below:

In millions	As of	
	June 30, 2017	December 31, 2016
Common shares issued	490.4	490.4
Less: Treasury shares for which dividend and voting rights do not apply	(83.5)	(86.6)
Common shares outstanding	406.9	403.8

Total treasury shares at June 30, 2017 were 92.8 million (December 31, 2016: 95.9 million), including 9.3 million unvested restricted stock awards (December 31, 2016: 9.3 million) for which dividend and voting rights apply. The market price of common shares at June 30, 2017 was \$35.19 per share. The total market value of the company's 92.8 million treasury shares was \$3.3 billion at June 30, 2017.

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6. OTHER COMPREHENSIVE INCOME/(LOSS)

The components of accumulated other comprehensive income/(loss) were as follows:

\$ in millions	For the three months ended June 30, 2017				
	Foreign currency translation	Employee benefit plans	Equity method investments	Available-for-sale investments	Total
Other comprehensive income/(loss) net of tax:					
Currency translation differences on investments in foreign subsidiaries	147.4	—	—	—	147.4
Reclassification of actuarial (gain)/loss into employee compensation expense	—	0.5	—	—	0.5
Share of other comprehensive income/(loss) of equity method investments	—	—	0.9	—	0.9
Unrealized gains/(losses) on available-for-sale investments, net of tax	—	—	—	0.9	0.9
Reclassification of net (gains)/losses realized on available-for-sale investments included in other gains and losses, net	—	—	—	(0.2)	(0.2)
Other comprehensive income/(loss), net of tax	147.4	0.5	0.9	0.7	149.5
Beginning balance	(617.3)	(139.0)	5.1	7.5	(743.7)
Other comprehensive income/(loss), net of tax	147.4	0.5	0.9	0.7	149.5
Ending balance	(469.9)	(138.5)	6.0	8.2	(594.2)

\$ in millions	For the six months ended June 30, 2017				
	Foreign currency translation	Employee benefit plans	Equity method investments	Available-for-sale investments	Total
Other comprehensive income/(loss) net of tax:					
Currency translation differences on investments in foreign subsidiaries	210.0	—	—	—	210.0
Actuarial (loss)/gain related to employee benefit plans, net of tax	—	(0.4)	—	—	(0.4)
Reclassification of actuarial (gain)/loss into employee compensation expense	—	1.1	—	—	1.1
Share of other comprehensive income/(loss) of equity method investments	—	—	1.2	—	1.2
Unrealized gains/(losses) on available-for-sale investments	—	—	—	4.0	4.0
Reclassification of net (gains)/losses realized on available-for-sale investments included in other gains and losses, net	—	—	—	(0.8)	(0.8)
Other comprehensive income/(loss), net of tax	210.0	0.7	1.2	3.2	215.1
Beginning balance	(679.9)	(139.2)	4.8	5.0	(809.3)
Other comprehensive income/(loss), net of tax	210.0	0.7	1.2	3.2	215.1
Ending balance	(469.9)	(138.5)	6.0	8.2	(594.2)

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\$ in millions	For the three months ended June 30, 2016				
	Foreign currency translation	Employee benefit plans	Equity method investments	Available-for-sale investments	Total
Other comprehensive income/(loss) net of tax:					
Currency translation differences on investments in foreign subsidiaries	(166.6)	—	—	—	(166.6)
Reclassification of prior service cost/(credit) into employee compensation expense	—	(1.8)	—	—	(1.8)
Reclassification of actuarial (gain)/loss into employee compensation expense	—	0.5	—	—	0.5
Share of other comprehensive income/(loss) of equity method investments	—	—	0.9	—	0.9
Unrealized gains/(losses) on available-for-sale investments	—	—	—	(0.6)	(0.6)
Reclassification of net (gains)/losses realized on available-for-sale investments included in other gains and losses, net	—	—	—	(0.1)	(0.1)
Other comprehensive income/(loss)	(166.6)	(1.3)	0.9	(0.7)	(167.7)
Beginning balance	(268.6)	(87.3)	5.6	1.6	(348.7)
Other comprehensive income/(loss)	(166.6)	(1.3)	0.9	(0.7)	(167.7)
Other comprehensive (income)/loss attributable to noncontrolling interests	2.5	—	—	—	2.5
Ending balance	(432.7)	(88.6)	6.5	0.9	(513.9)

\$ in millions	For the six months ended June 30, 2016				
	Foreign currency translation	Employee benefit plans	Equity method investments	Available-for-sale investments	Total
Other comprehensive income/(loss) net of tax:					
Currency translation differences on investments in foreign subsidiaries	(69.4)	—	—	—	(69.4)
Actuarial (loss)/gain related to employee benefit plans	—	(0.4)	—	—	(0.4)
Reclassification of prior service cost/(credit) into employee compensation expense	—	(3.4)	—	—	(3.4)
Reclassification of actuarial (gain)/loss into employee compensation expense	—	0.8	—	—	0.8
Share of other comprehensive income/(loss) of equity method investments	—	—	0.6	—	0.6
Unrealized gains/(losses) on available-for-sale investments	—	—	—	1.7	1.7
Reclassification of net (gains)/losses realized on available-for-sale investments included in other gains and losses, net	—	—	—	(0.3)	(0.3)
Other comprehensive income/(loss)	(69.4)	(3.0)	0.6	1.4	(70.4)

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Beginning balance	(365.8)	(85.6)	5.9	(0.5)	(446.0)
Other comprehensive income/(loss)	(69.4)	(3.0)	0.6	1.4	(70.4)
Other comprehensive (income)/loss attributable to noncontrolling interests	2.5	—	—	—	2.5
Ending balance	(432.7)	(88.6)	6.5	0.9	(513.9)

Net Investment Hedge

During the second quarter of 2016, the Company designated certain intercompany debt as a non-derivative net investment hedging instrument against foreign currency exposure related to its net investment in foreign operations. At June 30, 2017, £130.0 million (\$168.9 million) of intercompany debt was designated as a net investment hedge. For the six months ended June 30, 2017, the Company recognized foreign currency losses of \$8.3 million resulting from the net investment hedge within currency translation differences on investments in foreign subsidiaries in other comprehensive income. No hedge ineffectiveness was recognized in income.

Table of Contents**7. SHARE-BASED COMPENSATION**

The company recognized total expenses of \$92.5 million and \$79.1 million related to equity-settled share-based payment transactions in the six months ended June 30, 2017 and 2016, respectively.

Share Awards

Movements on share awards during the periods ended June 30, are detailed below:

Millions of shares, except fair values	For the six months ended June 30, 2017		Weighted Average Grant Date Fair Value (\$)	For the six months ended June 30, 2016	
	Time-Vested	Performance-Vested		Time-Vested	Performance-Vested
Unvested at the beginning of period	12.1	0.8	31.22	10.4	0.6
Granted during the period	5.1	0.3	32.18	6.3	0.4
Forfeited during the period	(0.3)	—	31.50	(0.1)	—
Vested and distributed during the period	(4.7)	(0.2)	31.34	(4.1)	(0.2)
Unvested at the end of the period	12.2	0.9	31.57	12.5	0.8

The total fair value of shares that vested during the six months ended June 30, 2017 was \$155.1 million (six months ended June 30, 2016: \$118.1 million). The weighted average grant date fair value of the U.S. Dollar share awards that were granted during the six months ended June 30, 2017 was \$32.18 (six months ended June 30, 2016: \$27.39). At June 30, 2017, there was \$343.1 million of total unrecognized compensation cost related to non-vested share awards; that cost is expected to be recognized over a weighted average period of 2.73 years.

8. RETIREMENT BENEFIT PLANS**Defined Contribution Plans**

The total amounts charged to the Condensed Consolidated Statements of Income for the three and six months ended June 30, 2017 of \$15.8 million and \$32.7 million, respectively (three and six months ended June 30, 2016: \$15.2 million and \$30.4 million, respectively) represent contributions paid or payable to the defined contribution plans by the company at rates specified in the rules of the plans. As of June 30, 2017, accrued contributions of \$15.9 million (December 31, 2016: \$23.1 million) for the current year will be paid to the plans.

Defined Benefit Plans

The company maintains legacy defined benefit pension plans for qualifying employees of its subsidiaries in the U.K., Ireland, Germany and Taiwan. The postretirement medical plan was terminated effective December 31, 2016. The components of net periodic benefit cost in respect of these defined benefit plans are as follows:

\$ in millions	For the three months ended June 30,		For the six months ended June 30,	
	2017	2016	2017	2016
Service cost	1.2	1.4	2.4	2.8
Interest cost	4.1	4.4	8.2	8.8

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Expected return on plan assets	(5.4)	(5.7)	(10.8)	(11.4)
Amortization of net actuarial (gain)/loss	0.7	0.5	1.3	1.0
Net periodic benefit cost/(benefit)	0.6	0.6	1.1	1.2

The estimated contributions expected to be paid to the plans during 2017 are \$11.2 million. Payments made to the plans during the six months ended June 30, 2017 were \$5.6 million.

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9. TAXATION

At June 30, 2017, the total amount of gross unrecognized tax benefits was \$10.8 million as compared to the December 31, 2016 total of \$10.5 million.

10. EARNINGS PER SHARE

The calculation of earnings per share is as follows:

	For the three months ended June 30,		For the six months ended June 30,	
In millions, except per share data	2017	2016	2017	2016
Net income	\$249.6	\$236.5	\$463.8	\$394.3
Net (income)/loss attributable to noncontrolling interests in consolidated entities	(10.0)	(11.0)	(12.2)	(7.8)
Net income attributable to Invesco Ltd.	239.6	225.5	451.6	386.5
Less: Allocation of earnings to restricted shares	(7.2)	(6.7)	(13.6)	(10.9)
Net income attributable to common shareholders	\$232.4	\$218.8	\$438.0	\$375.6
Invesco Ltd:				
Weighted average shares outstanding - basic	409.9	418.9	408.8	418.8
Dilutive effect of non-participating share-based awards	0.4	0.2	0.4	0.3
Weighted average shares outstanding - diluted	410.3	419.1	409.2	419.1
Common shareholders:				
Weighted average shares outstanding - basic	409.9	418.9	408.8	418.8
Less: Weighted average restricted shares	(12.4)	(12.5)	(12.3)	(11.8)
Weighted average common shares outstanding - basic	397.5	406.4	396.5	407.0
Dilutive effect of non-participating share-based awards	0.4	0.2	0.4	0.3
Weighted average common shares outstanding - diluted	397.9	406.6	396.9	407.3
Earnings per share:				
Basic earnings per share	\$0.58	\$0.54	\$1.10	\$0.92
Diluted earnings per share	\$0.58	\$0.54	\$1.10	\$0.92

See Note 7, "Share-Based Compensation," for a summary of share awards outstanding under the company's share-based compensation programs. These programs could result in the issuance of common shares from time to time that would affect the measurement of basic and diluted earnings per share.

There were zero and 0.3 million shares of performance-vested awards and no time-vested awards excluded from the computation of diluted earnings per share during the three and six months ended June 30, 2017, respectively, due to their inclusion being anti-dilutive (three and six months ended June 30, 2016: none). There were 0.1 million contingently issuable shares excluded from the diluted earnings per share computation during the three and six months ended June 30, 2017 (three and six months ended June 30, 2016: 0.2 million), because the necessary performance conditions for the shares to be issuable had not yet been satisfied at the end of the respective period.

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11. COMMITMENTS AND CONTINGENCIES

Commitments and contingencies may arise in the ordinary course of business.

Off Balance Sheet Commitments

The company has transactions with various private equity, real estate and other investment entities sponsored by the company for the investment of client assets in the normal course of business. Many of the company's investment products are structured as limited partnerships. The company's investment may take the form of the general partner or a limited partner. The entities are structured such that each partner makes capital commitments that are to be drawn down over the life of the partnership as investment opportunities are identified. At June 30, 2017, the company's undrawn capital commitments were \$216.3 million (December 31, 2016: \$204.1 million).

The Parent and various company subsidiaries have entered into agreements with financial institutions to guarantee certain obligations of other company subsidiaries. The company would be required to perform under these guarantees in the event of certain defaults. The company has not had prior claims or losses pursuant to these contracts and expects the risk of loss to be remote.

Legal Contingencies

The company is from time to time involved in litigation relating to claims arising in the ordinary course of its business. The nature and progression of litigation can make it difficult to predict the impact a particular lawsuit will have on the company. There are many reasons that the company cannot make these assessments, including, among others, one or more of the following: the proceeding is in its early stages; the damages sought are unspecified, unsupportable, unexplained or uncertain; the claimant is seeking relief other than compensatory damages; the matter presents novel legal claims or other meaningful legal uncertainties; discovery has not started or is not complete; there are significant facts in dispute; and there are other parties who may share in any ultimate liability.

In management's opinion, adequate accrual has been made as of June 30, 2017 to provide for any such losses that may arise from matters for which the company could reasonably estimate an amount. Management is of the opinion that the ultimate resolution of such claims will not materially affect the company's business, financial position, results of operation or liquidity. Furthermore, in management's opinion, it is not possible to estimate a range of reasonably possible losses with respect to other litigation contingencies.

The investment management industry also is subject to extensive levels of ongoing regulatory oversight and examination. In the United States, United Kingdom, and other jurisdictions in which the company operates, governmental authorities regularly make inquiries, hold investigations and administer market conduct examinations with respect to the company's compliance with applicable laws and regulations. Additional lawsuits or regulatory enforcement actions arising out of these inquiries may in the future be filed against the company and related entities and individuals in the United States, United Kingdom, and other jurisdictions in which the company and its affiliates operate. Any material loss of investor and/or client confidence as a result of such inquiries and/or litigation could result in a significant decline in AUM, which would have an adverse effect on the company's future financial results and its ability to grow its business.

In a separate matter, a Canadian subsidiary of the company had previously received assessments related to prior taxation periods up to and including the year ended December 31, 2012 for goods and services tax that the Canada Revenue Agency (CRA) believes should be levied on certain fees payable. The assessments, including applicable interest, are approximately \$6.6 million. The company has secured a letter of credit in the same amount, which has been posted with the CRA as security for payment. The company objected to and appealed the assessments, and in May 2017, the Tax Court of Canada ruled in favor of the CRA. The company filed an appeal with the Federal Court of Appeal in June 2017. Management, with advice from advisors and counsel, believes it is more likely than not that its position will prevail upon appeal, and accordingly no provision has been recorded in the Condensed Consolidated Financial Statements. However, in the event the company were not to prevail, additional taxes and interest payable in relation to taxation periods after December 31, 2012 are estimated in the amount of \$6.5 million.

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12. CONSOLIDATED INVESTMENT PRODUCTS

The following table presents the balances related to CIP that are included on the Condensed Consolidated Balance Sheets as well as Invesco's net interest in the CIP for each period presented. At June 30, 2017 all CIP are VIEs.

\$ in millions	As of	
	June 30, 2017	December 31, 2016
Cash and cash equivalents of CIP	328.1	742.2
Accounts receivable and other assets of CIP	104.1	106.2
Investments of CIP	4,917.0	5,116.1
Less: Debt of CIP	(3,929.5)	(4,403.1)
Less: Other liabilities of CIP	(393.2)	(673.4)
Less: Retained earnings	16.2	19.0
Less: Accumulated other comprehensive income, net of tax	(15.0)	(18.0)
Less: Equity attributable to redeemable noncontrolling interests	(328.3)	(283.7)
Less: Equity attributable to nonredeemable noncontrolling interests	(200.6)	(107.2)
Invesco's net interests in CIP	498.8	498.1

The following tables reflect the impact of consolidation of investment products into the Condensed Consolidated Statements of Income for the three and six months ended June 30, 2017 and 2016:

\$ in millions	Three months ended June 30,	
	2017	2016
Total operating revenues	(6.3)	(5.1)
Total operating expenses	2.2	7.9
Operating income	(8.5)	(13.0)
Equity in earnings of unconsolidated affiliates	(4.2)	(5.1)
Interest and dividend income	—	—
Other gains and losses, net	(12.5)	(0.8)
Interest and dividend income of CIP	49.9	46.2
Interest expense of CIP	(44.8)	(33.3)
Other gains/(losses) of CIP, net	27.2	25.0
Income before income taxes	7.1	19.0
Income tax provision	—	—
Net income	7.1	19.0
Net (income)/loss attributable to noncontrolling interests in consolidated entities	(10.0)	(11.0)
Net income attributable to Invesco Ltd.	(2.9)	8.0

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	Six months ended June 30,	
\$ in millions	2017	2016
Total operating revenues	(19.5)	(10.6)
Total operating expenses	1.0	9.7
Operating income	(20.5)	(20.3)
Equity in earnings of unconsolidated affiliates	(2.7)	(1.6)
Interest and dividend income	—	(0.2)
Other gains and losses, net	(22.6)	(0.9)
Interest and dividend income of CIP	103.7	90.6
Interest expense of CIP	(81.0)	(60.6)
Other gains/(losses) of CIP, net	38.1	0.4
Income before income taxes	15.0	7.4
Income tax provision	—	—
Net income	15.0	7.4
Net (income)/loss attributable to noncontrolling interests in consolidated entities	(12.2)	(7.8)
Net income attributable to Invesco Ltd.	2.8	(0.4)

The company's risk with respect to each investment in CIP is limited to its equity ownership and any uncollected management and performance fees. The company has no right to the benefits from, nor does it bear the risks associated with, these investments, beyond the company's direct investments in, and management and performance fees generated from, the investment products. If the company were to liquidate, these investments would not be available to the general creditors of the company, and as a result, the company does not consider investments held by CIP to be company assets. Additionally, the collateral assets of consolidated CLOs are held solely to satisfy the obligations of the CLOs, and the investors in the consolidated CLOs have no recourse to the general credit of the company for the notes issued by the CLOs. CIP are taxed at the investor level and not at the product level; therefore, there is no tax provision reflected in the net impact of CIP.

Non-consolidated VIEs

At June 30, 2017, the company's carrying value and maximum risk of loss with respect to VIEs in which the company is not the primary beneficiary was \$237.4 million (December 31, 2016 \$234.4 million).

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Balance Sheet information - newly consolidated VIEs/VOEs

During the six months ended June 30, 2017, the company consolidated fourteen new VIEs (June 30, 2016: the company consolidated five new VIEs.) The table below illustrates the summary balance sheet amounts related to these products before consolidation into the company. The balances below are reflective of the balances existing at the consolidation date after the initial funding of the investments by the company and unrelated third-party investors. The current period activity for the consolidated funds, including the initial funding and subsequent investment of initial cash balances into underlying investments of CIP, is reflected in the company's Condensed Consolidated Financial Statements.

	For the six months ended June 30, 2017 VIEs	For the six months ended June 30, 2016 VIEs
\$ in millions		
Cash and cash equivalents of CIP	14.6	151.0
Accounts receivable and other assets of CIP	8.5	3.6
Investments of CIP	316.6	311.0
Total assets	339.7	465.6
Debt of CIP	15.1	414.4
Other liabilities of CIP	105.0	17.4
Total liabilities	120.1	431.8
Total equity	219.6	33.8
Total liabilities and equity	339.7	465.6

During the six months ended June 30, 2017, the company determined that it was no longer the primary beneficiary of four VIEs and one voting rights entity (VOE) (June 30, 2016: the company determined that it was no longer the primary beneficiary of four VIEs). The amounts deconsolidated from the Condensed Consolidated Balance Sheets are illustrated in the table below. There was no net impact to the Condensed Consolidated Statements of Income for the six months ended June 30, 2017 and 2016 from the deconsolidation of these investment products.

	For the six months ended June 30, 2017 VIEs	For the six months ended June 30, 2016 VOEs	For the six months ended June 30, 2016 VIEs
\$ in millions			
Cash and cash equivalents of CIP	14.5	—	23.6
Accounts receivable and other assets of CIP	3.8	0.2	12.2
Investments of CIP	139.9	49.8	196.1
Total assets	158.2	50.0	231.9
Debt of CIP	4.2	—	—

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Other liabilities of CIP	1.9	—	13.1
Total liabilities	6.1	—	13.1
Total equity	152.1	50.0	218.8
Total liabilities and equity	158.2	50.0	231.9

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The following tables present the fair value hierarchy levels of certain CIP balances which are measured at fair value as of June 30, 2017 and December 31, 2016:

\$ in millions	As of June 30, 2017				
	Fair Value Measurements	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Investments Measured at NAV as a practical expedient
Assets:					
Bank loans	3,997.7	—	3,997.7	—	—
Bonds	289.3	—	289.3	—	—
Equity securities	176.1	175.0	1.1	—	—
Equity and fixed income mutual funds	116.0	116.0	—	—	—
Investments in other private equity funds	218.4	—	—	—	218.4
Real estate investments	59.9	—	—	59.9	—
Investments in fixed income fund of funds	59.6	—	—	—	59.6
Total assets at fair value	4,917.0	291.0	4,288.1	59.9	278.0
\$ in millions	As of December 31, 2016				
	Fair Value Measurements	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Investments Measured at NAV as a practical expedient
Assets:					
Bank loans	4,397.8	—	4,397.8	—	—
Bonds	370.9	—	370.9	—	—
Equity securities	167.4	166.0	1.4	—	—
Equity and fixed income mutual funds	13.0	13.0	—	—	—
Investments in other private equity funds	68.6	—	—	—	68.6
Real estate investments	40.7	—	—	40.7	—
Investments in fixed income fund of funds	57.7	—	—	—	57.7
Total assets at fair value	5,116.1	179.0	4,770.1	40.7	126.3

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The following tables show a reconciliation of the beginning and ending fair value measurements for level 3 assets and liabilities using significant unobservable inputs:

	Three months ended June 30, 2017	Six months ended June 30, 2017
\$ in millions	Level 3 Assets	Level 3 Assets
Beginning balance	54.8	40.7
Purchases	—	15.1
Sales	(5.1)	(5.1)
Gains and losses included in the Condensed Consolidated Statements of Income*	10.2	9.2
Ending balance	59.9	59.9

	Three months ended June 30, 2016	Six months ended June 30, 2016
\$ in millions	Level 3 Assets	Level 3 Assets
Beginning balance	—	388.6
Adjustment for adoption of ASU 2015-02	—	(388.6)
Purchases	23.9	23.9
Gains and losses included in the Condensed Consolidated Statements of Income*	—	—
Ending balance	23.9	23.9

* Included in gains/(losses) of CIP, net in the Condensed Consolidated Statements of Income for the six months ended June 30, 2017 are \$8.8 million in net unrealized gains attributable to investments still held at June 30, 2017 by CIP.

Unforeseen events might occur that would subsequently change the fair values of the investments (and therefore the debt of CLOs, since it is measured as a calculated value based upon the fair value of the assets of CLOs, but the impact of such changes would be limited to the change in the fair values of the company's investments in these products. The impact of any gains or losses resulting from valuation changes in the investments of non-CLO CIP attributable to the interests of third parties are offset by resulting changes in gains and losses attributable to noncontrolling interests in consolidated entities and therefore do not have a material effect on the financial condition, operating results (including earnings per share), liquidity or capital resources of the company's common shareholders. Similarly, any gains or losses resulting from valuation changes in the investments of CLOs attributable to the interests of third parties are offset by the calculated value of the notes issued by the CLOs (offsetting in other gains/(losses) of CIP) and therefore also do not have a material effect on the financial condition, operating results (including earnings per share), liquidity or capital resources of the company's common shareholders.

Value of consolidated CLOs

The company elected the fair value option for collateral assets held and notes issued by its consolidated CLOs to eliminate the measurement and recognition inconsistency that would otherwise arise from measuring assets and liabilities and recognizing the related gains and losses on different accounting bases. On January 1, 2015 the company adopted ASU 2014-13 and has elected the measurement alternative for the consolidated CLOs under which the notes issued by the CLOs are measured based on the fair value of the assets of the CLOs.

The collateral assets held by consolidated CLOs are primarily invested in senior secured bank loans, bonds, and equity securities. Bank loan investments of \$3,973.2 million, which comprise the majority of consolidated CLO portfolio collateral, are senior secured corporate loans from a variety of industries, including but not limited to the aerospace and defense, broadcasting, technology, utilities, household products, healthcare, oil and gas, and finance industries. Bank loan investments mature at various dates between 2017 and 2025, pay interest at LIBOR plus a spread of up to 12.5%, and typically range in S&P credit rating categories from BBB down to unrated. Interest income on bank loans and bonds is recognized based on the unpaid principal balance and stated interest rate of these investments on an accrual basis. At June 30, 2017, the unpaid principal balance exceeds the fair value of the senior secured bank loans and bonds by approximately \$56.5 million (December 31, 2016:

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the unpaid principal balance exceeded the fair value of the senior secured bank loans and bonds by approximately \$96.6 million). Approximately 0.79% of the collateral assets are in default as of June 30, 2017 (December 31, 2016: approximately 0.3% of the collateral assets were in default). CLO investments are valued based on price quotations provided by third party pricing sources. These third party sources aggregate indicative price quotations daily to provide the company with a price for the CLO investments. The company has developed internal controls to review the reasonableness and completeness of these price quotations on a daily basis. If necessary, price quotations are challenged through the third-party pricing source price challenge process.

In addition, the company's internal valuation committee conducts an annual due diligence review of all independent third-party pricing sources to review the provider's valuation methodology as well as ensure internal controls exist over the valuation of the CLO investments. In the event that the third-party pricing source is unable to price an investment, other relevant factors, data and information are considered, including: i) information relating to the market for the investment, including price quotations for and trading in the investment and interests in similar investments, the market environment, and investor attitudes towards the investment and interests in similar investments; ii) the characteristics of and fundamental analytical data relating to the investment, including, for senior secured corporate loans, the cost, size, current interest rate, period until next interest rate reset, maturity and base lending rate, the terms and conditions of the senior secured corporate loan and any related agreements, and the position of the senior secured corporate loan in the borrower's debt structure; iii) the nature, adequacy and value of the senior secured corporate loan's collateral, including the CLO's rights, remedies and interests with respect to the collateral; iv) for senior secured corporate loans, the creditworthiness of the borrower, based on an evaluation of its financial condition, financial statements and information about the business, cash flows, capital structure and future prospects; v) the reputation and financial condition of the agent and any intermediate participants in the senior secured corporate loan; and vi) general economic and market conditions affecting the fair value of the senior secured corporate loan.

Notes issued by consolidated CLOs mature at various dates between 2025 and 2028 and have a weighted average maturity of 9.8 years. The notes are issued in various tranches with different risk profiles. The interest rates are generally variable rates based on LIBOR plus a pre-defined spread, which varies from 1.15% for the more senior tranches to 8.25% for the more subordinated tranches. The investors in this debt are not affiliated with the company and have no recourse to the general credit of the company for this debt.

Fair value of consolidated real estate funds

The real estate investment vehicles use one or more valuation techniques (e.g. the market approach, the income approach, or the recent transaction "cost" approach) for which sufficient and reliable data is available to value investments classified within level 3. The use of the market approach generally consists of using comparable market transactions, while the use of the income approach generally consists of the net present value of estimated future cash flows, adjusted as appropriate for liquidity, credit, market and/or other risk factors.

The inputs used by the real estate funds in estimating the value of level 3 investments include the original transaction price, recent transactions in the same or similar instruments, as well as completed or pending third-party transactions in the underlying investment or comparable investments. Level 3 investments may also be adjusted to reflect illiquidity and/or non-transferability. Other inputs used include discount rates, cap rates, and income and expense assumptions. The fair value measurement of level 3 investments does not include transaction costs and acquisition fees that may be capitalized as part of the investment's cost basis.

Fair value of consolidated partnership entities

Consolidated private equity funds are generally structured as partnerships. Generally, the investment strategy of underlying holdings in these partnerships is to seek capital appreciation through direct investments in public or private companies with compelling business models or ideas or through investments in partnership investments that also invest in similar private or public companies. Various strategies may be used. Companies targeted could be distressed organizations, targets of leveraged buyouts or fledgling companies in need of venture capital. Investors generally may

not redeem their investment until the partnership liquidates. Generally, the partnerships have a life that ranges from seven to twelve years unless dissolved earlier. The general partner may extend the partnership term up to a specified period of time as stated in the Partnership Agreement. Some partnerships allow the limited partners to cause an earlier termination upon the occurrence of certain events as specified in the Partnership Agreement.

For private equity partnerships, fair value is determined by reviewing each investment for the sale of additional securities of an issuer to sophisticated investors or for investee financial conditions and fundamentals. Publicly traded portfolio investments are carried at market value as determined by their most recent quoted sale, or if there is no recent sale, at their most recent bid price. For these investments held by CIP, level 1 classification indicates that fair values have been determined using unadjusted quoted prices in active markets for identical assets that the partnership has the ability to access. Level 2 classification may

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indicate that fair values have been determined using quoted prices in active markets but give effect to certain lock-up restrictions surrounding the holding period of the underlying investments.

The fair value of level 3 investments held are derived from inputs that are unobservable and which reflect the limited partnerships' own determinations about the assumptions that market participants would use in pricing the investments, including assumptions about risk. These inputs are developed based on the partnership's own data, which is adjusted if information indicates that market participants would use different assumptions. The partnerships which invest directly into private equity portfolio companies (direct private equity funds) take into account various market conditions, subsequent rounds of financing, liquidity, financial condition, purchase multiples paid in other comparable third-party transactions, the price of securities of other companies comparable to the portfolio company, and operating results and other financial data of the portfolio company, as applicable.

The partnerships which invest into other private equity funds take into account information received from those underlying funds, including their reported net asset values and evidence as to their fair value approach, including consistency of their fair value application. These investments do not trade in active markets and represent illiquid long-term investments that generally require future capital commitments. The partnerships' reported share of the underlying net asset values of the underlying funds is used as a practical expedient, as allowed by ASC Topic 820, in arriving at fair value.

Quantitative Information about Level 3 Fair Value Measurements

The following table shows significant unobservable inputs used in the fair value measurement of level 3 assets at June 30, 2017:

Assets and Liabilities	Fair Value at June 30, 2017 (\$ in millions)	Valuation Technique	Unobservable Inputs	Range	Weighted Average (by fair value)
Real Estate Investments	\$59.9	Discounted Cash Flow	Discount rate	7% - 33%	18.0 %
			Terminal capitalization rate	5.3	% 5.3 %
			Average rent growth rate	2% - 3%	2.5 %

At December 31, 2016, \$40.7 million of investments held by consolidated real estate funds were valued using recent private market transactions.

The following narrative will indicate the sensitivity of inputs illustrating the impact of significant increases to the inputs. A directionally opposite impact would apply for significant decreases in these inputs:

For real estate investments, a change in the average rent growth rate would result in a directionally-opposite change in the assumptions for discount rate and terminal capitalization rate. Significant increases in the average growth rate would result in significantly higher fair values. Significant increases in the assumptions for discount rate and terminal capitalization rate in isolation would result in significantly lower fair value measurements.

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The table below summarizes as of June 30, 2017 and December 31, 2016, the nature of investments that are valued using the NAV as a practical expedient and any related liquidation restrictions or other factors which may impact the ultimate value realized.

in millions, except term data	June 30, 2017			December 31, 2016		
	Fair Value	Total Unfunded Commitments	Weighted Average Remaining Term ⁽²⁾	Fair Value	Total Unfunded Commitments	Weighted Average Remaining Term ⁽²⁾
Private equity funds ⁽¹⁾	\$218.4	\$57.4	4.0 years	\$68.6	\$41.9	7.0 years
Investments in fixed income fund of funds ⁽³⁾	\$59.6	—	n/a	\$57.7	—	n/a

(1) These investments are not subject to redemption; however, for certain funds, the investors may sell or transfer their interest, which may require approval by the general partner of the underlying funds.

(2) These investments are expected to be returned through distributions as a result of liquidations of the funds' underlying assets over the weighted average periods indicated.

(3) Investment may be redeemed on a monthly basis.

For investments held by consolidated private equity funds, significant increases in discounts in isolation would result in significantly lower fair value measurements, while significant increases in revenue multiple assumptions in isolation would result in significantly higher fair value measurements. An increase in discount assumptions would result in a directionally opposite change in the assumptions for revenue multiple, resulting in lower fair value measurements.

Fair Value of Equity Securities, Bonds, and Equity/Fixed Income Mutual Funds

Equity securities are valued under the market approach through use of quoted prices on an exchange. To the extent these securities are actively traded, valuation adjustments are not applied and they are categorized within level 1 of the valuation hierarchy; otherwise, they are categorized in level 2.

Bonds are fair valued using an evaluated quote provided by an independent pricing service. Evaluated quotes provided by the pricing service may be determined without exclusive reliance on quoted prices, and may reflect appropriate factors such as institution-size trading in similar groups of securities, developments related to specific securities, yield, quality, type of issue, coupon rate, maturity, individual trading characteristics and other market data. Depending on the nature of the inputs, these investments are categorized as level 1, 2, or 3.

Equity and fixed income mutual funds are valued under the market approach through the use of quoted market prices available in an active market and are classified within level 1 of the valuation hierarchy; there is no modeling or additional information needed to arrive at the fair values of these investments.

13. RELATED PARTIES

Certain managed funds are deemed to be affiliated entities under the related party definition in ASC 850, "Related Party Disclosures." Additionally, related parties include those defined in the company's proxy statement.

\$ in millions	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Affiliated operating revenues:				
Investment management fees	885.4	820.1	1,717.5	1,617.0
Service and distribution fees	210.8	203.1	416.9	400.6
Performance fees	3.4	6.4	11.7	16.8
Other	14.2	24.7	31.0	46.5

Total affiliated operating revenues 1,113.8 1,054.3 2,177.1 2,080.9

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\$ in millions	June 30, 2017	December 31, 2016
Affiliated asset balances:		
Cash and cash equivalents	795.1	476.2
Unsettled fund receivables	225.2	253.2
Accounts receivable	306.3	344.4
Investments	547.5	728.3
Assets held for policyholders	10,716.4	8,224.2
Other assets	3.4	2.9
Total affiliated asset balances	12,593.9	10,029.2
Affiliated liability balances:		
Accrued compensation and benefits	119.9	76.5
Accounts payable and accrued expenses	102.0	94.7
Unsettled fund payables	425.0	318.7
Total affiliated liability balances	646.9	489.9

14. BUSINESS OPTIMIZATION

Business optimization charges of \$12.0 million and \$36.7 million were recorded during the three and six months ended June 30, 2017, respectively (three and six months ended June 30, 2016: \$10.3 million and \$17.1 million, respectively). Business optimization charges for the three and six months ended June 30, 2017 includes staff severance costs recorded in employee compensation of \$3.9 million and \$19.6 million, respectively (three and six months ended June 30, 2016: \$4.4 million and \$8.4 million, respectively), consulting and temporary labor costs of \$6.9 million and \$15.1 million, respectively (three and six months ended June 30, 2016: \$5.5 million and \$8.6 million, respectively) and office and technology expenses associated with a business transformation initiative of \$1.2 million and \$2.0 million, respectively (three and six months ended June 30, 2016: \$0.4 million and \$0.1 million, respectively). This is a continuation of efforts to transform several key business support functions to become more effective and efficient by leveraging shared service centers, outsourcing, automation of key processes and optimization of the company's office footprint. The total costs of these initiatives at completion are estimated to be \$133 million, of which \$31 million remains to be incurred through 2018. There were no material liabilities related to business optimization efforts outstanding at June 30, 2017.

15. SUBSEQUENT EVENTS

On July 27, 2017, the company announced a second quarter 2017 dividend of 29.0 cents per share, payable on September 1, 2017, to shareholders of record at the close of business on August 17, 2017 with an ex-dividend date of August 15, 2017.

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

Forward-Looking Statements

The following Management's Discussion and Analysis of Financial Condition and Results of Operations should be read in conjunction with the Condensed Consolidated Financial Statements and related Notes thereto, which appear elsewhere in this Report. Except for the historical financial information, this Report may include statements that constitute "forward-looking statements" under the United States securities laws. Forward-looking statements include information concerning future results of our operations, expenses, earnings, liquidity, cash flow and capital expenditures, industry or market conditions, assets under management, geopolitical events and their potential impact on the company, acquisitions and divestitures, debt and our ability to obtain additional financing or make payments, regulatory developments, demand for and pricing of our products and other aspects of our business or general economic conditions. In addition, words such as "believes," "expects," "anticipates," "intends," "plans," "estimates," "projects," "forecasts," and future or conditional verbs such as "will," "may," "could," "should," and "would" as well as any other statements that necessarily depends on future events, are intended to identify forward-looking statements.

Forward-looking statements are not guarantees, and they involve risks, uncertainties and assumptions. Although we make such statements based on assumptions that we believe to be reasonable, there can be no assurance that actual results will not differ materially from our expectations. We caution investors not to rely unduly on any forward-looking statements and urge you to carefully consider the risks described in this Report and our most recent Form 10-K filed with the Securities and Exchange Commission ("SEC").

You may obtain these reports from the SEC's website at www.sec.gov. We expressly disclaim any obligation to update the information in any public disclosure if any forward-looking statement later turns out to be inaccurate.

References

In this Report, unless otherwise specified, the terms "we," "our," "us," "company," "firm," "Invesco," and "Invesco Ltd." refer to Invesco Ltd., a company incorporated in Bermuda, and its subsidiaries.

Executive Overview

The following executive overview summarizes the significant trends affecting our results of operations and financial condition for the periods presented. This overview and the remainder of this management's discussion and analysis supplements and should be read in conjunction with the Condensed Consolidated Financial Statements of Invesco Ltd. and its subsidiaries and the notes thereto contained elsewhere in this Report.

During the three months ended June 30, 2017, returns from global equity markets were broadly positive resulting from positive macroeconomic indicators muted by global geopolitical uncertainty. In the U.S., equities advanced as the U.S. Federal reserve raised interest rates 0.25% despite mixed economic growth indicators. While political uncertainty introduced doubts about the outlook for fiscal expansion and tax reform, the S&P 500 Index set new all-time highs and ended the period up 2.6%. European markets were similarly helped by strong economic data and an improving economic outlook while investors weighed the impact of election results in the U.K. and France. The European Central Bank indicated the potential for a gradual slowing to economic stimulus helping to drive markets higher early in the quarter while the surprise result in the June U.K. election reversed the quarter's gains and led the FTSE 100 to finish down 0.1% for the period. In Japan, the Bank of Japan provided a positive outlook on the state of the economy and potential for further economic growth. This language, along with improving economic data in China and broad investor optimism, helped to lead markets higher with the Nikkei 225 finishing the quarter up 6.0%.

Bond returns for the quarter were positive as continuing accommodative monetary policy and low inflation helped to drive bonds higher globally. While prices fell at the end of the quarter on a change in tone from global central banks, the U.S. Aggregate Bond Index still saw gains for the period finishing up 1.5%.

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The table below summarizes returns based on price appreciation/(depreciation) of several major market indices for the three- and six-month periods ended June 30, 2017 and 2016:

Equity Index	Index expressed in currency	Three months ended June 30,		Six months ended June 30,	
		2017	2016	2017	2016
S&P 500	U.S. Dollar	2.6 %	1.9 %	8.2 %	2.7 %
FTSE 100	British Pound	(0.1)%	5.3 %	2.4 %	4.2 %
FTSE 100	U.S. Dollar	3.6 %	(2.9)%	7.9 %	(6.2)%
Nikkei 225	Japanese Yen	6.0 %	(7.1)%	4.8 %	(18.2)%
Nikkei 225	U.S. Dollar	5.0 %	1.3 %	8.8 %	(4.3)%
MSCI Emerging Markets	U.S. Dollar	5.5 %	(0.3)%	17.2%	5.0 %
Bond Index					
Barclays U.S. Aggregate Bond	U.S. Dollar	1.5 %	2.2 %	2.3 %	5.3 %

The company's financial results are impacted by the strengthening or weakening of the U.S. Dollar against other currencies, as discussed in the "Foreign Exchange Impact on Balance Sheet, Assets Under Management and Results of Operations" section and the "Results of Operations" section below. The ongoing uncertainty associated with the Brexit negotiations are likely to continue to keep the Pound Sterling at a low level against the U.S. Dollar when compared to the average exchange rates of recent years, negatively impacting our reported AUM and results in U.S. Dollars. The negotiations may also have a similar ongoing impact to the Euro. As further detailed in the Results of Operations section, foreign exchange rate movements decreased operating revenues by \$72.4 million, equivalent to 3.0% of total operating revenues, during the six months ended June 30, 2017 when compared to the six months ended June 30, 2016. The company has entered into a series of put option contracts to provide Pound Sterling/U.S. Dollar and Euro/U.S. Dollar exchange rate coverage through December 2017 (Euro) and December 2018 (Pound Sterling). Any gains derived from these hedges will help offset the impact on earnings per share resulting from declines in Sterling and Euro exchange rates.

Our revenues are directly influenced by the level and composition of our AUM. Therefore, movements in global capital market levels, net new business inflows (or outflows) and changes in the mix of investment products between asset classes and geographies may materially affect our revenues from period to period. As fee rates differ across geographic locations, changes to exchange rates have an impact on the net revenue yields. The strengthening of the U.S. Dollar against the Pound Sterling during the six months ended June 30, 2017 when compared to the respective prior periods resulted in a reduction in the net revenue yield as it reduced the weighting of higher fee earning AUM attributable to the U.K. products. This gradual change in the product mix combined with changes in foreign exchange rates results in changes in the average revenue yield derived from AUM due to differing fee rates structures and currencies.

Invesco benefits from our long-term efforts to ensure a diversified base of AUM. One of Invesco's core strengths, and a key differentiator for the company within the industry, is our broad diversification across client domiciles, asset classes and distribution channels. Our geographical diversification recognizes growth opportunities in different parts of the world. This broad diversification mitigates the impact on Invesco of different market cycles and enables the company to take advantage of growth opportunities in various markets and channels. During the six months ended June 30, 2017, while the company experienced long-term net outflows in the U.S. and U.K. operations, our Continental Europe and Asia Pacific operations contributed strong positive long-term net flows. In addition, during the second quarter of 2017:

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Jemstep announced a partnership with Advisor Group, one of the nation's largest networks of independent financial advisory firms, to launch a comprehensive digital onboarding, advice and data aggregation platform, using Jemstep technologies.

• Invesco was featured in the German publication Institutional Money magazine as the U.S. asset manager that has managed to rise from niche provider to a globally significant investment company over the course of 10 years. Invesco International Growth Funds in the U.S. celebrated 25 years, a lifetime of out-performance. The fund has consistently outperformed its benchmark 100% of the time over all 80 quarterly five-year rolling periods since inception.

- Invesco introduced an annual report on investment stewardship and proxy voting. Invesco has been incorporating environmental, social and governance (ESG) practices for more than 15 years and believes that sound ESG practices can positively impact the value we provide to clients as well as our long-term shareholder value.

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Two investment trusts managed by Invesco Perpetual's Mark Barnett have topped the tables of Kepler Partners' new ratings system, which is designed to identify investment trusts that generate a real and dependable income without sacrificing capital.

Invesco Poland was named Investor of the Year for the first time at the 2017 CEEQA Industry Awards and received the award for overall Company of the Year. The CEEQA awards are the sector's most respected industry recognition, organized each year in association with the Financial Times to reward excellence and to showcase the achievements and opportunities of the New Europe real estate sector to the international investment arena.

The Invesco Perpetual UK Smaller Companies Trust was awarded the "Best UK Growth Trust" in the Money Observer Trust Awards 2017.

The Invesco Real Estate team in Spain was recognized with an Inmofondos 2017 Award. This prestigious award has been granted for Invesco's intense activity in Spain during the last year, when the team has increased the assets under management to over €700 million.

Invesco Global Targeted Returns Fund (GTR) won the prestigious Money Management Fund Manager of the Year Awards in Australia.

At Asia Asset Management's 2017 Best of the Best Awards, Invesco was recognized for its leadership in the market as well as for the outstanding long-term performance of its European Equity capabilities. Andrew Lo, SMD and Head of Asia Pacific, was named CEO of the Year in Asia in the Best of the Best Regional Awards category.

Invesco Taiwan won 20 awards from the 2017 Lipper Taiwan Fund Awards, TFF-Bloomberg Best Fund Award and 2016 Benchmark Fund of the Year Awards in Taiwan.

One of the company's strategic objectives is to harness the power of our global platform by improving effectiveness and efficiency by allocating our resources to the opportunities that will best benefit clients and our business. During 2017, the company has continued our efforts to transform several key business support functions to become more effective and efficient by leveraging shared service centers, outsourcing, automation of key processes and optimization of the company's office footprint. Consistent with this objective, business optimization charges of \$36.7 million were recorded during the six months ended June 30, 2017. Total costs of these initiatives at completion are estimated to be approximately \$133 million, of which \$31 million remains to be incurred through 2018. As at the end of the second quarter 2017, this initiative has produced annualized run-rate expense savings of approximately \$31 million, and by completion in 2018, the annualized run-rate savings is expected to be up to \$50 million.

As previously announced, the company has entered into a definitive agreement to acquire Source, a leading independent specialist provider of exchange-traded funds (ETFs) based in Europe. The transaction is expected to close in the third quarter and includes approximately \$18 billion in Source-managed AUM, plus approximately \$7 billion of externally managed AUM (as of June 30, 2017). The acquisition brings additional talent and a broad array of funds that further expand the depth and breadth of Invesco's active, passive and alternative capabilities and expertise, enhancing the firm's ability to help clients achieve their investment objectives.

Presentation of Management's Discussion and Analysis of Financial Condition and Results of Operations - Impact of Consolidated Investment Products

The company provides investment management services to, and has transactions with, various private equity, real estate, fund-of-funds, collateralized loan obligation products (CLOs), and other investment entities sponsored by the company for the investment of client assets in the normal course of business. The company serves as the investment manager, making day-to-day investment decisions concerning the assets of the products. Investment products that are consolidated are referred to in this Form 10-Q (Report) as consolidated investments products (CIP). CIP includes all

variable and voting interest entities, as applicable, with effect from the adoption of ASU 2015-02. The company's economic risk with respect to each investment in CIP is limited to its equity ownership and any uncollected management and performance fees. See also Note 12, "Consolidated Investment Products," for additional information regarding the impact of the consolidation of managed funds.

The majority of the company's CIP balances are CLO-related. The collateral assets of the CLOs are held solely to satisfy the obligations of the CLOs. The company has no right to the benefits from, nor does it bear the risks associated with, the collateral assets held by the CLOs, beyond the company's direct investments in, and management and performance fees generated from, the CLOs. If the company were to liquidate, the collateral assets would not be available to the general creditors of the company, and as a result, the company does not consider them to be company assets. Likewise, the investors in the CLOs have no recourse to the general credit of the company for the notes issued by the CLOs. The company therefore does not consider this debt to be a company liability.

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The impact of CIP is so significant to the presentation of the company's Condensed Consolidated Financial Statements that the company has elected to deconsolidate these products in its non-GAAP disclosures. The following discussion therefore combines the results presented under U.S. generally accepted accounting principles (U.S. GAAP) with the company's non-GAAP presentation. This Management's Discussion and Analysis of Financial Condition and Results of Operations contains four distinct sections, which follows the AUM discussion:

• Results of Operations (three and six months ended June 30, 2017 compared to three and six months ended June 30, 2016);

• Schedule of Non-GAAP Information;

• Balance Sheet Discussion; and

• Liquidity and Capital Resources.

To assess the impact of CIP on the company's results of operations and balance sheet, refer to Part I, Item 1, Financial Statements, Note 12 - "Consolidated Investment Products." The impact on the company's results of operations is illustrated by a column which shows the dollar-value change in the consolidated figures, as caused by the consolidation of CIP. For example, the impact of CIP on operating revenues for the three and six months ended June 30, 2017 was a reduction of \$6.3 million and a reduction of \$19.5 million, respectively. This indicates that their consolidation reduced consolidated revenues by this amount, reflecting the elimination upon their consolidation of the operating revenues earned by Invesco for managing these investment products.

Wherever a non-GAAP measure is referenced, a disclosure will follow in the narrative or in the note referring the reader to the Schedule of Non-GAAP Information, where additional details regarding the use of the non-GAAP measure by the company are disclosed, along with reconciliations of the most directly comparable U.S. GAAP measures to the non-GAAP measures. To further enhance the readability of the Results of Operations section, separate tables for each of the revenue, expense, and other income and expenses (non-operating income/expense) sections of the income statement introduce the narrative that follows, providing a section-by-section review of the company's income statements for the periods presented.

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Summary Operating Information

Summary operating information is presented in the table below:

\$ in millions, other than per share amounts, operating margins, ratios and AUM		Three months ended June 30,		Six months ended June 30,	
U.S. GAAP Financial Measures Summary		2017	2016	2017	2016
Operating revenues		1,254.4	1,189.4	2,447.0	2,338.1
Operating income		318.9	301.5	577.5	575.9
Operating margin		25.4	% 25.3	% 23.6	% 24.6
Net income attributable to Invesco Ltd.		239.6	225.5	451.6	386.5
Diluted Earnings Per Share (EPS)		0.58	0.54	1.10	0.92
Non-GAAP Financial Measures Summary					
Net revenues ⁽¹⁾		906.3	856.6	1,773.4	1,674.7
Adjusted operating income ⁽²⁾		356.5	330.4	683.6	637.5
Adjusted operating margin ⁽²⁾		39.3	% 38.6	% 38.5	% 38.1
Adjusted net income attributable to Invesco Ltd. ⁽³⁾		264.5	233.0	515.0	437.8
Adjusted diluted EPS ⁽³⁾		0.64	0.56	1.26	1.04
Assets Under Management					
Ending AUM (billions)		858.3	779.6	858.3	779.6
Average AUM (billions)		849.2	784.5	839.5	766.0

(1) Net revenues is a non-GAAP financial measure. Net revenues are operating revenues plus our proportional share of the net revenues of our joint venture investments, less third-party distribution, service and advisory expenses, plus management and performance fees earned from CIP, less other revenue recorded by CIP. See "Schedule of Non-GAAP Information," for the reconciliation of operating revenues to net revenues.

(2) Adjusted operating income and adjusted operating margin are non-GAAP financial measures. Adjusted operating margin is adjusted operating income divided by net revenues. Adjusted operating income includes operating income plus our proportional share of the net operating income of our joint venture investments, the operating income impact of the consolidation of investment products, business combination-related adjustments, compensation expense related to market valuation changes in deferred compensation plans, and other reconciling items. See "Schedule of Non-GAAP Information," for the reconciliation of operating income to adjusted operating income.

(3) Adjusted net income attributable to Invesco Ltd. and adjusted diluted EPS are non-GAAP financial measures. Adjusted net income attributable to Invesco Ltd. is net income attributable to Invesco Ltd. adjusted to exclude the impact of CIP on net income attributable to Invesco Ltd., add back business combination-related adjustments, the net income impact of deferred compensation plans and other reconciling items. Adjustments made to net income attributable to Invesco Ltd. are tax-effected in arriving at adjusted net income attributable to Invesco Ltd. By calculation, adjusted diluted EPS is adjusted net income attributable to Invesco Ltd. divided by the weighted average number of shares outstanding (for diluted EPS). See "Schedule of Non-GAAP Information," for the reconciliation of net income attributable to Invesco Ltd. to adjusted net income attributable to Invesco Ltd.

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Investment Capabilities Performance Overview

Invesco's first strategic priority is to achieve strong investment performance over the long-term for our clients. The table below presents the one-, three- and five-year performance of our actively managed investment products measured by the percentage of AUM ahead of benchmark and AUM in the top half of peer group.⁽¹⁾

	Benchmark Comparison				Peer Group Comparison			
	% of AUM Ahead of Benchmark				% of AUM In Top Half of Peer Group			
	1yr	3yr	5yr		1yr	3yr	5yr	
Equities								
U.S. Core	29	%—	%5	%	32	%—	%5	%
U.S. Growth	72	%41	%87	%	58	%37	%87	%
U.S. Value	58	%58	%87	%	51	%57	%87	%
Sector Funds	80	%13	%13	%	81	%9	%17	%
U.K.	11	%100	%100	%	12	%85	%71	%
Canadian	88	%33	%39	%	65	%10	%33	%
Asian	49	%85	%90	%	45	%72	%89	%
Continental European	65	%99	%100	%	54	%71	%89	%
Global	51	%53	%73	%	52	%72	%84	%
Global Ex U.S. and Emerging Markets	5	%25	%91	%	4	%3	%9	%
Fixed Income								
Money Market	99	%99	%68	%	98	%98	%98	%
U.S. Fixed Income	66	%90	%90	%	72	%87	%83	%
Global Fixed Income	85	%51	%80	%	74	%39	%85	%
Stable Value	100	%100	%100	%	100	%100	%100	%
Other								
Alternatives	83	%76	%64	%	74	%86	%49	%
Balanced	81	%45	%48	%	68	%92	%89	%

- (1) AUM measured in the one-, three-, and five-year peer group rankings represents 59%, 58%, and 56% of total Invesco AUM, respectively, and AUM measured versus benchmark on a one-, three-, and five-year basis represents 71%, 68%, and 64% of total Invesco AUM, respectively, as of June 30, 2017. Peer group rankings are sourced from a widely-used third party ranking agency in each fund's market (Lipper, Morningstar, IA, Russell, Mercer, eVestment Alliance, SITCA, Value Research) and are asset-weighted in U.S. Dollars. Rankings are as of prior quarter-end for most institutional products and preceding month-end for Australian retail funds due to their late release by third parties. Rankings for the most representative fund in each Global Investment Performance Standard (GIPS) composite are applied to all products within each GIPS composite. Excludes passive products, closed-end funds, private equity limited partnerships, non-discretionary direct real estate, unit investment trusts, fund-of-funds with component funds managed by Invesco, stable value building block funds, and Collateralized Debt Obligations (CDOs). Certain funds and products were excluded from the analysis because of limited benchmark or peer group data. Had these been available, results may have been different. These results are preliminary and subject to revision. Performance assumes the reinvestment of dividends. Past performance is not indicative of future results and may not reflect an investor's experience.

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Foreign Exchange Impact on Balance Sheet, Assets Under Management and Results of Operations

A significant portion of our business is based outside of the U.S. The strengthening or weakening of the U.S. Dollar against other currencies, primarily the Pound Sterling, Canadian Dollar, Euro and Japanese Yen will impact our assets, liabilities, AUM and reported revenues and expenses from period to period. The assets, liabilities and AUM of foreign subsidiaries are translated at period end spot foreign currency exchange rates. The income statements of foreign currency subsidiaries are translated into U.S. Dollars, the reporting currency of the company, using average foreign exchange rates.

The table below illustrates the spot foreign exchange rates used for translation of non-U.S. Dollar denominated assets, liabilities and AUM into U.S. Dollars:

Spot Foreign Exchange Rates	June 30, 2017	March 31, 2017	December 31, 2016	June 30, 2016	March 31, 2016	December 31, 2015
Pound Sterling (\$ per £)	1.299	1.250	1.236	1.337	1.438	1.474
Canadian Dollar (CAD per \$)	1.299	1.333	1.341	1.300	1.293	1.389
Japan (¥ per \$)	112.375	111.405	116.600	102.533	112.355	120.275
Euro (\$ per Euro)	1.140	1.069	1.054	1.111	1.139	1.086

The table below illustrates the average foreign exchange rates used for translation of non-U.S. Dollar denominated income, including revenues and expenses, into U.S. Dollars:

Average Foreign Exchange Rates	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Pound Sterling (\$ per £)	1.278	1.435	1.258	1.433
Canadian Dollar (CAD per \$)	1.345	1.289	1.334	1.330
Japan (¥ per \$)	111.039	108.014	112.386	111.569
Euro (\$ per Euro)	1.099	1.129	1.082	1.116

A comparison of period end spot rates between June 30, 2017 and December 31, 2016 shows a strengthening of the Pound Sterling, the Euro, Canadian Dollar and Japanese Yen relative to the U.S. Dollar, which is reflected in the translation of our Pound Sterling-based, Euro-based, Canadian Dollar-based and Japanese Yen-based assets, liabilities and AUM into U.S. Dollars, respectively.

A comparison of the average foreign exchange rates used for the three and six months ended June 30, 2017 when compared to the three and six months ended June 30, 2016 shows a weakening of the Pound Sterling, the Euro, Canadian Dollar and Japanese Yen relative to the U.S. Dollar, which is reflected in the translation of our Pound Sterling-based, Euro-based, Canadian Dollar-based and Japanese Yen-based revenue and expenses into U.S. Dollars.

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Assets Under Management movements for the three and six months ended June 30, 2017 compared with the three and six months ended June 30, 2016

The following presentation and discussion of AUM includes Passive and Active AUM. Passive AUM include ETFs, UITs, leveraged fund balances upon which we do not earn a fee, and other passive mandates. Active AUM are total AUM less Passive AUM.

The AUM tables and the discussion below refer to AUM as long-term. Long-term AUM excludes institutional money market and Invesco PowerShares QQQ AUM.

Changes in AUM were as follows:

\$ in billions	For the three months ended June 30,					
	2017 Total AUM	Active	Passive	2016 Total AUM	Active	Passive
March 31	834.8	680.5	154.3	771.5	640.4	131.1
Long-term inflows	42.3	33.7	8.6	45.8	33.5	12.3
Long-term outflows	(42.9)	(33.9)	(9.0)	(41.3)	(33.5)	(7.8)
Long-term net flows	(0.6)	(0.2)	(0.4)	4.5	—	4.5
Net flows in Invesco PowerShares QQQ fund	0.2	—	0.2	(3.8)	—	(3.8)
Net flows in institutional money market funds	2.8	2.8	—	2.0	1.9	0.1
Total net flows	2.4	2.6	(0.2)	2.7	1.9	0.8
Market gains and losses/reinvestment	13.0	10.5	2.5	10.7	9.2	1.5
Acquisitions/dispositions, net	—	—	—	2.4	2.4	—
Foreign currency translation	8.1	8.1	—	(7.7)	(7.8)	0.1
June 30	858.3	701.7	156.6	779.6	646.1	133.5
Average AUM						
Average long-term AUM	730.9	624.1	106.8	681.8	586.7	95.1
Average AUM	849.2	692.4	156.8	784.5	652.8	131.7
Revenue yield						
Gross revenue yield on AUM ⁽¹⁾	59.7	69.5	16.6	61.3	70.9	14.6
Gross revenue yield on AUM before performance fees ⁽¹⁾	58.9	68.5	16.6	60.9	70.3	14.6
Net revenue yield on AUM ⁽²⁾	42.7	48.6	16.6	43.7	49.5	14.6
Net revenue yield on AUM before performance fees ⁽²⁾	41.8	47.6	16.6	43.2	49.0	14.6

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\$ in billions	For the six months ended June 30,					
	2017			2016		
	Total AUM	Active	Passive	Total AUM	Active	Passive
December 31	812.9	668.5	144.4	775.6	636.5	139.1
Long-term inflows	91.4	71.0	20.4	88.6	66.4	22.2
Long-term outflows	(90.2)	(71.7)	(18.5)	(85.4)	(65.9)	(19.5)
Long-term net flows	1.2	(0.7)	1.9	3.2	0.5	2.7
Net flows in Invesco PowerShares QQQ fund	1.2	—	1.2	(6.4)	—	(6.4)
Net flows in institutional money market funds	(5.3)	(5.3)	—	5.8	6.0	(0.2)
Total net flows	(2.9)	(6.0)	3.1	2.6	6.5	(3.9)
Market gains and losses/reinvestment	36.1	27.1	9.0	7.7	6.4	1.3
Acquisitions/dispositions, net	—	—	—	(1.2)	2.0	(3.2)
Foreign currency translation	12.2	12.1	0.1	(5.1)	(5.3)	0.2
June 30	858.3	701.7	156.6	779.6	646.1	133.5
Average AUM						
Average long-term AUM	723.6	616.8	106.8	665.5	573.3	92.2
Average AUM	839.5	685.4	154.1	766.0	636.7	129.3
Revenue yield						
Gross revenue yield on AUM ⁽¹⁾	58.9	68.5	16.6	61.7	71.5	14.2
Gross revenue yield on AUM before performance fees ⁽¹⁾	58.2	67.7	16.6	61.1	70.7	14.2
Net revenue yield on AUM ⁽²⁾	42.2	48.0	16.6	43.7	49.7	14.2
Net revenue yield on AUM before performance fees ⁽²⁾	41.4	47.0	16.6	43.1	48.9	14.2

Gross revenue yield on AUM is equal to annualized total operating revenues divided by average AUM, excluding joint venture (JV) AUM. Our share of the average AUM in the three months ended June 30, 2017 for our JVs in China was \$8.1 billion (three months ended June 30, 2016: \$8.6 billion). It is appropriate to exclude the average AUM of our JVs for purposes of computing gross revenue yield on AUM because the revenues resulting from these AUM are not presented in our operating revenues. Under U.S. GAAP, our share of the net income of the JVs is recorded as equity in earnings of unconsolidated affiliates on our Condensed Consolidated Statements of Income. Additionally, the numerator of the gross revenue yield measure, operating revenues, excludes the management fees earned from CIP; however, the denominator of the measure includes the AUM of these investment products. Therefore, the gross revenue yield measure is not considered representative of the company's true effective fee rate from AUM.

(2) Net revenue yield on AUM is equal to annualized net revenues divided by average AUM. See “Schedule of Non-GAAP Information” for a reconciliation of operating revenues to net revenues.

Flows

AUM at June 30, 2017 were \$858.3 billion (June 30, 2016: \$779.6 billion). During the three months ended June 30, 2017, we experienced long-term net outflows of \$0.6 billion. These outflows were offset by net inflows of institutional money market funds of \$2.8 billion and Invesco PowerShares QQQ of \$0.2 billion during the period. Long-term net outflows during the three months ended June 30, 2017, were split between outflows from passive AUM products of \$0.4 billion and from actively managed AUM products of \$0.2 billion. Long-term net outflows for the

period were from our institutional distribution channel of \$2.0 billion, offset by net inflows from our retail distribution channel of \$1.4 billion. On a client domicile basis, long-term net outflows were from the U.S., the U.K. and Asia with outflows of \$2.8 billion, \$1.1 billion and \$0.8 billion, respectively. These were partially offset by inflows of \$4.0 billion and \$0.1 billion for Continental Europe and Canada, respectively, during the three months ended June 30, 2017.

During the three months ended June 30, 2016, we experienced long-term net inflows of \$4.5 billion. We also experienced net outflows in Invesco PowerShares QQQ fund of \$3.8 billion, offset by net inflows in institutional money market funds of \$2.0 billion during this period. Long-term net inflows during the three months ended June 30, 2016 of \$4.5 billion were entirely in passive AUM products. Net long-term inflows from our institutional channel of \$5.0 billion were partially offset by outflows in our retail distribution channel of \$0.5 billion. On a client domicile basis, long-term net inflows of \$4.1 billion and \$2.1 billion

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for Asia and the U.S., respectively, were partially offset by long-term net outflows of \$0.9 billion, \$0.6 billion, and \$0.2 billion for Continental Europe, the U.K. and Canada, respectively.

Average AUM during the three months ended June 30, 2017 were \$849.2 billion, compared to \$784.5 billion for the three months ended June 30, 2016.

During the six months ended June 30, 2017, we experienced long-term net inflows of \$1.2 billion. We also experienced net inflows in Invesco PowerShares QQQ fund of \$1.2 billion, offset by net outflows in institutional money market funds of \$5.3 billion during this period. Long-term net inflows during the six months ended June 30, 2017 included inflows of passive AUM of \$1.9 billion, partially offset by outflows of active AUM of \$0.7 billion. Net long-term inflows were comprised of inflows in our retail distribution channel of \$3.2 billion, partially offset by outflows from our institutional channel of \$2.0 billion. On a client domicile basis, long-term net inflows of \$5.7 billion and \$0.4 billion in Continental Europe and Asia, respectively, were partially offset by long-term net outflows of \$2.9 billion, \$1.9 billion and \$0.1 billion in the U.S., U.K. and Canada during the six months ended June 30, 2017. During the six months ended June 30, 2016, we experienced long-term net inflows of \$3.2 billion. We also experienced net inflows in institutional money market funds of \$5.8 billion, offset by net outflows in Invesco PowerShares QQQ fund of \$6.4 billion during the six months ended June 30, 2016. Net inflows during the six months ended June 30, 2016 included net long-term inflows of active AUM of \$0.5 billion and net long-term inflows of passive AUM of \$2.7 billion. Net long-term inflows for the period were comprised of inflows in our institutional channel of \$6.4 billion partially offset by outflows in our retail distribution channel of \$3.2 billion. On a client domicile basis, long-term net inflows of \$7.7 billion were experienced in Asia offset by long-term net outflows of \$2.5 billion, \$1.4 billion, \$0.4 billion and \$0.2 billion in Continental Europe, the U.K., Canada and the U.S., respectively during the six months ended June 30, 2016.

Average AUM during the six months ended June 30, 2017 were \$839.5 billion, compared to \$766.0 billion for the six months ended June 30, 2016.

Market Returns

During the three months ended June 30, 2017, positive market movement led to a \$13.0 billion increase in AUM, with gains in our equity asset class of \$10.9 billion, fixed income class of \$2.0 billion and balanced asset class of \$0.2 billion. During the three months ended June 30, 2016, positive market movement led to a \$10.7 billion increase in AUM, with gains in the equity asset class of \$3.5 billion, fixed income class of \$3.4 billion, alternatives asset class of \$2.2 billion and balanced asset class of \$1.6 billion.

During the six months ended June 30, 2017, positive market movement led to a \$36.1 billion increase in AUM, with gains in our equity asset class of \$31.1 billion, fixed income class of \$3.7 billion and balanced asset class of \$1.5 billion. During the six months ended June 30, 2016, positive market movement led to a \$7.7 billion increase in AUM, with gains in the fixed income class of \$5.4 billion, alternatives asset class of \$3.1 billion and balanced asset class of \$1.0 billion, partially offset by market losses in the equity asset class of \$2.0 billion.

Foreign Exchange Rates

During the three months ended June 30, 2017, we experienced increases in AUM of \$8.1 billion due to changes in foreign exchange rates. In the three months ended June 30, 2016, AUM decreased by \$7.7 billion due to foreign exchange rate changes. See the company's disclosures regarding the changes in foreign exchange rates during the three months ended June 30, 2017 in the "Foreign Exchange Impact on Balance Sheet, Assets Under Management and Results of Operations" section above for additional information regarding the movement of foreign exchange rates. During the six months ended June 30, 2017, we experienced increases in AUM of \$12.2 billion due to changes in foreign exchange rates. In the six months ended June 30, 2016, AUM decreased by \$5.1 billion due to foreign exchange rate changes. See the company's disclosures regarding the changes in foreign exchange rates during the six months ended June 30, 2017 in the "Foreign Exchange Impact on Balance Sheet, Assets Under Management and Results of Operations" section above for additional information regarding the movement of foreign exchange rates.

Revenue Yield

Gross revenue yield on AUM decreased 1.6 basis points to 59.7 basis points in the three months ended June 30, 2017 from the three months ended June 30, 2016 level of 61.3 basis points. Management does not consider gross revenue yield, the most comparable U.S. GAAP-based measure to net revenue yield, to be a meaningful effective fee rate measure for the reasons outlined in footnote 1 to the Changes in AUM table above.

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Net revenue yield on AUM decreased 1.0 basis point to 42.7 basis points in the three months ended June 30, 2017 when compared to the three months ended June 30, 2016 yield of 43.7 basis points. Excluding performance fees, the net revenue yield decreased 1.4 basis points to 41.8 basis points in the three months ended June 30, 2017 (three months ended June 30, 2016: 43.2 basis points). Net revenue yield on AUM decreased 1.5 basis point to 42.2 basis points in the six months ended June 30, 2017 when compared to the six months ended June 30, 2016 yield of 43.7 basis points. Excluding performance fees, the net revenue yield decreased 1.7 basis points to 41.4 basis points in the six months ended June 30, 2017 (six months ended June 30, 2016: 43.1 basis points).

As a significant proportion of our AUM is based outside of the U.S., changes in foreign exchange rates result in a change to the mix of U.S. Dollar denominated AUM with AUM denominated in other currencies. As fee rates differ across geographic locations, changes to exchange rates have an impact on the net revenue yields. The strengthening of the U.S. Dollar against the Pound Sterling during the three and six months ended June 30, 2017 when compared to the respective prior periods resulted in a reduction in the net revenue yield as it reduced the weighting of higher fee earning AUM attributable to the U.K. products.

Additionally, changes in our AUM mix significantly impact our net revenue yield. For example, on an asset class basis, our equity and balanced AUM generally earn a higher net revenue rate than money market and fixed income AUM. Passive AUM generally earn a lower effective fee rate than active asset classes.

At June 30, 2017, passive AUM were \$156.6 billion, representing 18.2% of total AUM at that date; whereas at June 30, 2016, passive AUM were \$133.5 billion, representing 17.1% of our total AUM at that date. In the three months ended June 30, 2017, the net revenue yield on passive AUM was 16.6 basis points compared to 14.6 basis points in the three months ended June 30, 2016, an increase of 2.0 basis points. In the six months ended June 30, 2017, the net revenue yield on passive AUM was 16.6 basis points compared to 14.2 basis points in the six months ended June 30, 2016, an increase of 2.4 basis points. The combination of average equity and average balanced AUM decreased to 51.5% in the six months ended June 30, 2017 from 51.9% of total average AUM in the six months ended June 30, 2016. These changes in asset class mix contributed to the decrease in net revenue yield on AUM in the three and six months ended June 30, 2017 when compared to the respective prior period.

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Changes in our AUM by channel, asset class, and client domicile, and average AUM by asset class, are presented below:

Total AUM by Channel⁽¹⁾

As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Retail	Institutional
March 31, 2017	834.8	552.1	282.7
Long-term inflows	42.3	34.4	7.9
Long-term outflows	(42.9)	(33.0)	(9.9)
Long-term net flows	(0.6)	1.4	(2.0)
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—
Net flows in institutional money market funds	2.8	—	2.8
Total net flows	2.4	1.6	0.8
Market gains and losses/reinvestment	13.0	12.0	1.0
Foreign currency translation	8.1	6.7	1.4
June 30, 2017	858.3	572.4	285.9

March 31, 2016	771.5	507.7	263.8
Long-term inflows	45.8	34.8	11.0
Long-term outflows	(41.3)	(35.3)	(6.0)
Long-term net flows	4.5	(0.5)	5.0
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—
Net flows in institutional money market funds	2.0	—	2.0
Total net flows	2.7	(4.3)	7.0
Market gains and losses/reinvestment	10.7	7.8	2.9
Acquisitions/dispositions, net	2.4	0.4	2.0
Foreign currency translation	(7.7)	(7.3)	(0.4)
June 30, 2016	779.6	504.3	275.3

As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Retail	Institutional
December 31, 2016	812.9	526.5	286.4
Long-term inflows	91.4	74.0	17.4
Long-term outflows	(90.2)	(70.8)	(19.4)
Long-term net flows	1.2	3.2	(2.0)
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—
Net flows in institutional money market funds	(5.3)	—	(5.3)
Total net flows	(2.9)	4.4	(7.3)
Market gains and losses/reinvestment	36.1	32.4	3.7
Acquisitions/dispositions, net	—	—	—
Foreign currency translation	12.2	9.1	3.1
June 30, 2017	858.3	572.4	285.9

December 31, 2015	775.6	514.8	260.8
Long-term inflows	88.6	67.9	20.7
Long-term outflows	(85.4)	(71.1)	(14.3)
Long-term net flows	3.2	(3.2)	6.4

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Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—
Net flows in institutional money market funds	5.8	—	5.8
Total net flows	2.6	(9.6)	12.2
Market gains and losses/reinvestment	7.7	4.7	3.0
Acquisitions/dispositions, net	(1.2)	0.4	(1.6)
Foreign currency translation	(5.1)	(6.0)	0.9
June 30, 2016	779.6	504.3	275.3

See accompanying notes immediately following these AUM tables.

Table of ContentsPassive AUM by Channel⁽¹⁾

As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Retail	Institutional
March 31, 2017	154.3	138.5	15.8
Long-term inflows	8.6	8.5	0.1
Long-term outflows	(9.0)	(8.4)	(0.6)
Long-term net flows	(0.4)	0.1	(0.5)
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—
Net flows in institutional money market funds	—	—	—
Total net flows	(0.2)	0.3	(0.5)
Market gains and losses/reinvestment	2.5	2.7	(0.2)
Foreign currency translation	—	—	—
June 30, 2017	156.6	141.5	15.1

March 31, 2016	131.1	115.7	15.4
Long-term inflows	12.3	11.3	1.0
Long-term outflows	(7.8)	(7.7)	(0.1)
Long-term net flows	4.5	3.6	0.9
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—
Net flows in institutional money market funds	0.1	—	0.1
Total net flows	0.8	(0.2)	1.0
Market gains and losses/reinvestment	1.5	1.5	—
Acquisitions/dispositions, net	—	—	—
Foreign currency translation	0.1	—	0.1
June 30, 2016	133.5	117.0	16.5

As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Retail	Institutional
December 31, 2016	144.4	128.8	15.6
Long-term inflows	20.4	18.9	1.5
Long-term outflows	(18.5)	(16.8)	(1.7)
Long-term net flows	1.9	2.1	(0.2)
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—
Net flows in institutional money market funds	—	—	—
Total net flows	3.1	3.3	(0.2)
Market gains and losses/reinvestment	9.0	9.4	(0.4)
Acquisitions/dispositions, net	—	—	—
Foreign currency translation	0.1	—	0.1
June 30, 2017	156.6	141.5	15.1

December 31, 2015	139.1	118.7	20.4
Long-term inflows	22.2	21.2	1.0
Long-term outflows	(19.5)	(17.9)	(1.6)
Long-term net flows	2.7	3.3	(0.6)
Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—
Net flows in institutional money market funds	(0.2)	—	(0.2)

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Total net flows	(3.9)	(3.1)	(0.8)
Market gains and losses/reinvestment	1.3	1.4	(0.1)
Acquisitions/dispositions, net	(3.2)	—	(3.2)
Foreign currency translation	0.2	—	0.2
June 30, 2016	133.5	117.0	16.5

See accompanying notes immediately following these AUM tables.

Table of ContentsTotal AUM by Asset Class⁽²⁾

As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Equity	Fixed Income ⁽³⁾	Balanced	Money Market ⁽³⁾⁽⁵⁾	Alternatives ⁽⁴⁾
March 31, 2017	834.8	381.8	203.8	48.9	73.1	127.2
Long-term inflows	42.3	19.0	10.9	3.6	1.0	7.8
Long-term outflows	(42.9)	(24.6)	(8.8)	(2.1)	(0.9)	(6.5)
Long-term net flows	(0.6)	(5.6)	2.1	1.5	0.1	1.3
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—	—	—	—
Net flows in institutional money market funds	2.8	—	—	—	2.8	—
Total net flows	2.4	(5.4)	2.1	1.5	2.9	1.3
Market gains and losses/reinvestment	13.0	10.9	2.0	0.2	—	(0.1)
Transfers/reclassifications	—	—	—	—	—	—
Foreign currency translation	8.1	3.9	1.0	1.6	0.1	1.5
June 30, 2017	858.3	391.2	208.9	52.2	76.1	129.9
Average AUM	849.2	388.8	207.2	50.8	73.8	128.6
% of total average AUM	100.0%	45.8 %	24.4 %	6.0 %	8.7 %	15.1 %
March 31, 2016	771.5	359.5	187.1	46.8	68.6	109.5
Long-term inflows	45.8	20.5	12.0	3.2	1.0	9.1
Long-term outflows	(41.3)	(27.0)	(6.4)	(3.0)	(0.8)	(4.1)
Long-term net flows	4.5	(6.5)	5.6	0.2	0.2	5.0
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—	—	—	—
Net flows in institutional money market funds	2.0	—	—	—	2.0	—
Total net flows	2.7	(10.3)	5.6	0.2	2.2	5.0
Market gains and losses/reinvestment	10.7	3.5	3.4	1.6	—	2.2
Acquisitions/dispositions, net	2.4	0.4	1.6	—	0.4	—
Foreign currency translation	(7.7)	(4.3)	(1.4)	(1.2)	(0.1)	(0.7)
June 30, 2016	779.6	348.8	196.3	47.4	71.1	116.0
Average AUM	784.5	357.0	193.7	47.7	72.8	113.3
% of total average AUM	100.0%	45.5 %	24.7 %	6.1 %	9.3 %	14.4 %

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As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Equity	Fixed Income ⁽³⁾	Balanced	Money Market ⁽³⁾⁽⁵⁾	Alternatives ⁽⁴⁾
December 31, 2016	812.9	364.1	201.7	46.8	78.3	122.0
Long-term inflows	91.4	40.5	23.6	6.3	1.8	19.2
Long-term outflows	(90.2)	(51.1)	(19.0)	(4.3)	(1.8)	(14.0)
Long-term net flows	1.2	(10.6)	4.6	2.0	—	5.2
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—	—	—	—
Net flows in institutional money market funds	(5.3)	—	—	—	(5.3)	—
Total net flows	(2.9)	(9.4)	4.6	2.0	(5.3)	5.2
Market gains and losses/reinvestment	36.1	31.1	3.7	1.5	—	(0.2)
Transfers/reclassifications	—	—	(3.0)	—	3.0	—
Foreign currency translation	12.2	5.4	1.9	1.9	0.1	2.9
June 30, 2017	858.3	391.2	208.9	52.2	76.1	129.9
Average AUM	839.5	382.8	204.7	49.5	75.6	126.9
% of total average AUM	100.0%	45.6 %	24.4 %	5.9 %	9.0 %	15.1 %
December 31, 2015	775.6	370.9	187.9	48.1	64.6	104.1
Long-term inflows	88.6	40.9	21.7	5.2	2.0	18.8
Long-term outflows	(85.4)	(51.6)	(16.5)	(6.6)	(1.8)	(8.9)
Long-term net flows	3.2	(10.7)	5.2	(1.4)	0.2	9.9
Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—	—	—	—
Net flows in institutional money market funds	5.8	—	—	—	5.8	—
Total net flows	2.6	(17.1)	5.2	(1.4)	6.0	9.9
Market gains and losses/reinvestment	7.7	(2.0)	5.4	1.0	0.2	3.1
Acquisitions/dispositions, net	(1.2)	0.4	(1.1)	—	0.4	(0.9)
Foreign currency translation	(5.1)	(3.4)	(1.1)	(0.3)	(0.1)	(0.2)
June 30, 2016	779.6	348.8	196.3	47.4	71.1	116.0
Average AUM	766.0	350.7	189.5	46.7	70.0	109.1
% of total average AUM	100.0%	45.8 %	24.7 %	6.1 %	9.1 %	14.2 %

See accompanying notes immediately following these AUM tables.

Table of ContentsPassive AUM by Asset Class⁽²⁾

As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Equity	Fixed Income	Balanced	Money Market	Alternatives ⁽⁴⁾
March 31, 2017	154.3	101.2	45.1	—	—	8.0
Long-term inflows	8.6	5.7	2.5	—	—	0.4
Long-term outflows	(9.0)	(6.4)	(1.1)	—	—	(1.5)
Long-term net flows	(0.4)	(0.7)	1.4	—	—	(1.1)
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—	—	—	—
Net flows in institutional money market funds	—	—	—	—	—	—
Total net flows	(0.2)	(0.5)	1.4	—	—	(1.1)
Market gains and losses/reinvestment	2.5	2.8	—	—	—	(0.3)
Foreign currency translation	—	—	—	—	—	—
June 30, 2017	156.6	103.5	46.5	—	—	6.6
Average AUM	156.8	103.5	46.2	—	—	7.1
% of total average AUM	100.0%	66.0 %	29.5 %	—%	— %	4.5 %
March 31, 2016	131.1	87.1	35.6	—	0.1	8.3
Long-term inflows	12.3	7.7	3.5	—	—	1.1
Long-term outflows	(7.8)	(6.5)	(0.7)	—	—	(0.6)
Long-term net flows	4.5	1.2	2.8	—	—	0.5
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—	—	—	—
Net flows in institutional money market funds	0.1	—	—	—	0.1	—
Total net flows	0.8	(2.6)	2.8	—	0.1	0.5
Market gains and losses/reinvestment	1.5	0.4	0.5	—	—	0.6
Acquisitions/dispositions, net	—	—	—	—	—	—
Foreign currency translation	0.1	—	—	—	—	0.1
June 30, 2016	133.5	84.9	38.9	—	0.2	9.5
Average AUM	131.7	85.4	37.4	—	0.1	8.8
% of total average AUM	100.0%	64.8 %	28.4 %	—%	0.1 %	6.7 %

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As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	Equity	Fixed Income	Balanced	Money Market	Alternatives ⁽⁴⁾
December 31, 2016	144.4	93.5	41.7	—	—	9.2
Long-term inflows	20.4	12.5	6.8	—	—	1.1
Long-term outflows	(18.5)	(13.1)	(2.3)	—	—	(3.1)
Long-term net flows	1.9	(0.6)	4.5	—	—	(2.0)
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—	—	—	—
Net flows in institutional money market funds	—	—	—	—	—	—
Total net flows	3.1	0.6	4.5	—	—	(2.0)
Market gains and losses/reinvestment	9.0	9.4	0.3	—	—	(0.8)
Acquisitions/dispositions, net	—	—	—	—	—	—
Foreign currency translation	0.1	—	—	—	—	0.1
June 30, 2017	156.6	103.5	46.5	—	—	6.6
Average AUM	154.1	100.7	45.3	—	—	8.1
% of total average AUM	100.0%	65.3 %	29.4 %	—	— %	5.3 %
December 31, 2015	139.1	91.0	38.6	—	0.4	9.1
Long-term inflows	22.2	14.8	5.6	—	—	1.8
Long-term outflows	(19.5)	(14.8)	(3.3)	—	—	(1.4)
Long-term net flows	2.7	—	2.3	—	—	0.4
Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—	—	—	—
Net flows in institutional money market funds	(0.2)	—	—	—	(0.2)	—
Total net flows	(3.9)	(6.4)	2.3	—	(0.2)	0.4
Market gains and losses/reinvestment	1.3	0.3	0.7	—	—	0.3
Acquisitions/dispositions, net	(3.2)	—	(2.7)	—	—	(0.5)
Foreign currency translation	0.2	—	—	—	—	0.2
June 30, 2016	133.5	84.9	38.9	—	0.2	9.5
Average AUM	129.3	84.1	36.4	—	0.2	8.6
% of total average AUM	100.0%	65.0 %	28.2 %	—	0.2 %	6.7 %

See accompanying notes immediately following these AUM tables.

Table of ContentsTotal AUM by Client Domicile⁽⁶⁾

As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	U.S.	Canada	U.K.	Continental Europe	Asia
March 31, 2017	834.8	550.0	23.9	101.0	77.6	82.3
Long-term inflows	42.3	22.5	1.1	4.0	9.8	4.9
Long-term outflows	(42.9)	(25.3)	(1.0)	(5.1)	(5.8)	(5.7)
Long-term net flows	(0.6)	(2.8)	0.1	(1.1)	4.0	(0.8)
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—	—	—	—
Net flows in institutional money market funds	2.8	3.6	—	(1.8)	(0.1)	1.1
Total net flows	2.4	1.0	0.1	(2.9)	3.9	0.3
Market gains and losses/reinvestment	13.0	8.1	0.1	2.2	1.5	1.1
Foreign currency translation	8.1	0.1	0.7	3.5	3.6	0.2
June 30, 2017	858.3	559.2	24.8	103.8	86.6	83.9

March 31, 2016	771.5	507.5	22.9	99.2	74.9	67.0
Long-term inflows	45.8	27.7	0.8	3.2	6.1	8.0
Long-term outflows	(41.3)	(25.6)	(1.0)	(3.8)	(7.0)	(3.9)
Long-term net flows	4.5	2.1	(0.2)	(0.6)	(0.9)	4.1
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—	—	—	—
Net flows in institutional money market funds	2.0	(1.1)	0.4	—	—	2.7
Total net flows	2.7	(2.8)	0.2	(0.6)	(0.9)	6.8
Market gains and losses/reinvestment	10.7	7.9	0.1	1.7	0.3	0.7
Acquisitions/dispositions, net	2.4	—	—	—	—	2.4
Foreign currency translation	(7.7)	(0.1)	(0.1)	(6.5)	(1.5)	0.5
June 30, 2016	779.6	512.5	23.1	93.8	72.8	77.4

As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	U.S.	Canada	U.K.	Continental Europe	Asia
December 31, 2016	812.9	539.5	23.1	98.2	72.1	80.0
Long-term inflows	91.4	50.3	2.2	8.1	18.1	12.7
Long-term outflows	(90.2)	(52.2)	(2.3)	(11.0)	(12.4)	(12.3)
Long-term net flows	1.2	(1.9)	(0.1)	(2.9)	5.7	0.4
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—	—	—	—
Net flows in institutional money market funds	(5.3)	(3.6)	—	(1.5)	0.5	(0.7)
Total net flows	(2.9)	(4.3)	(0.1)	(4.4)	6.2	(0.3)
Market gains and losses/reinvestment	36.1	23.9	1.0	5.5	3.8	1.9
Acquisitions/dispositions, net	—	—	—	—	—	—
Foreign currency translation	12.2	0.1	0.8	4.5	4.5	2.3
June 30, 2017	858.3	559.2	24.8	103.8	86.6	83.9

December 31, 2015	775.6	510.7	21.7	104.2	75.4	63.6
Long-term inflows	88.6	52.1	1.8	7.4	12.7	14.6
Long-term outflows	(85.4)	(52.3)	(2.2)	(8.8)	(15.2)	(6.9)
Long-term net flows	3.2	(0.2)	(0.4)	(1.4)	(2.5)	7.7

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Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—	—	—	—
Net flows in institutional money market funds	5.8	3.9	0.4	(0.8)	—	2.3
Total net flows	2.6	(2.7)	—	(2.2)	(2.5)	10.0
Market gains and losses/reinvestment	7.7	8.2	(0.1)	0.7	(1.0)	(0.1)
Acquisitions/dispositions, net	(1.2)	(3.6)	—	—	—	2.4
Foreign currency translation	(5.1)	(0.1)	1.5	(8.9)	0.9	1.5
June 30, 2016	779.6	512.5	23.1	93.8	72.8	77.4

See accompanying notes immediately following these AUM tables.

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As of and for the Three Months Ended June 30, 2017 and 2016:

\$ in billions	Total	U.S.	Canada	U.K.	Continental Europe	Asia
March 31, 2017	154.3	150.2	0.5	—	2.0	1.6
Long-term inflows	8.6	8.2	0.1	—	0.3	—
Long-term outflows	(9.0)	(8.2)	—	—	(0.3)	(0.5)
Long-term net flows	(0.4)	—	0.1	—	—	(0.5)
Net flows in Invesco PowerShares QQQ fund	0.2	0.2	—	—	—	—
Net flows in institutional money market funds	—	—	—	—	—	—
Total net flows	(0.2)	0.2	0.1	—	—	(0.5)
Market gains and losses/reinvestment	2.5	2.4	—	—	0.1	—
Foreign currency translation	—	—	—	—	—	—
June 30, 2017	156.6	152.8	0.6	—	2.1	1.1
March 31, 2016	131.1	126.7	0.4	—	1.8	2.2
Long-term inflows	12.3	12.1	0.1	—	0.1	—
Long-term outflows	(7.8)	(7.6)	—	—	(0.2)	—
Long-term net flows	4.5	4.5	0.1	—	(0.1)	—
Net flows in Invesco PowerShares QQQ fund	(3.8)	(3.8)	—	—	—	—
Net flows in institutional money market funds	0.1	—	—	—	—	0.1
Total net flows	0.8	0.7	0.1	—	(0.1)	0.1
Market gains and losses/reinvestment	1.5	1.5	—	—	—	—
Acquisitions/dispositions, net	—	—	—	—	—	—
Foreign currency translation	0.1	—	—	—	—	0.1
June 30, 2016	133.5	128.9	0.5	—	1.7	2.4

As of and for the Six Months Ended June 30, 2017 and 2016:

\$ in billions	Total	U.S.	Canada	U.K.	Continental Europe	Asia
December 31, 2016	144.4	139.9	0.5	—	1.9	2.1
Long-term inflows	20.4	19.9	0.1	—	0.4	—
Long-term outflows	(18.5)	(16.9)	—	—	(0.4)	(1.2)
Long-term net flows	1.9	3.0	0.1	—	—	(1.2)
Net flows in Invesco PowerShares QQQ fund	1.2	1.2	—	—	—	—
Net flows in institutional money market funds	—	—	—	—	—	—
Total net flows	3.1	4.2	0.1	—	—	(1.2)
Market gains and losses/reinvestment	9.0	8.7	—	—	0.2	0.1
Acquisitions/dispositions, net	—	—	—	—	—	—
Foreign currency translation	0.1	—	—	—	—	0.1
June 30, 2017	156.6	152.8	0.6	—	2.1	1.1
December 31, 2015	139.1	134.4	0.4	—	1.9	2.4
Long-term inflows	22.2	21.8	0.2	—	0.2	—
Long-term outflows	(19.5)	(19.0)	(0.1)	—	(0.4)	—
Long-term net flows	2.7	2.8	0.1	—	(0.2)	—

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Net flows in Invesco PowerShares QQQ fund	(6.4)	(6.4)	—	—	—	—
Net flows in institutional money market funds	(0.2)	—	—	—	—	(0.2)
Total net flows	(3.9)	(3.6)	0.1	—	(0.2)	(0.2)
Market gains and losses/reinvestment	1.3	1.3	—	—	—	—
Acquisitions/dispositions, net	(3.2)	(3.2)	—	—	—	—
Foreign currency translation	0.2	—	—	—	—	0.2
June 30, 2016	133.5	128.9	0.5	—	1.7	2.4

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- Channel refers to the internal distribution channel from which the AUM originated. Retail AUM represents AUM distributed by the company's retail sales team. Institutional AUM represents AUM distributed by our institutional sales team. This aggregation is viewed as a proxy for presenting AUM in the retail and institutional markets in which the company operates.
- (1) Asset classes are descriptive groupings of AUM by common type of underlying investments.
 - (2) During January 2017, the company reclassified certain AUM previously classified in fixed income to money market totaling \$3.0 billion.
 - (3) There have been no significant changes to the managed objectives under the Alternatives asset class, which are disclosed in our most recent Form 10-K for the year ended December 31, 2016.
 - (4) Ending Money Market AUM includes \$71.7 billion in institutional money market AUM.
 - (5) Client domicile disclosure groups AUM by the domicile of the underlying clients.
 - (6)

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Results of Operations for the three and six months ended June 30, 2017 compared to the three and six months ended June 30, 2016

The discussion below includes the use of non-GAAP financial measures. See "Schedule of Non-GAAP Information" for additional details and reconciliations of the most directly comparable U.S. GAAP measures to the non-GAAP measures.

Operating Revenues and Net Revenues

The main categories of revenues, and the dollar and percentage change between the periods, are as follows:

			Variance					Variance		
	Three months ended June 30,		2017 vs 2016			Six months ended June 30,		2017 vs 2016		
\$ in millions	2017	2016	\$	%		2017	2016	\$	%	
			Change	Change				Change	Change	
Investment management fees	1,010.4	946.7	63.7	6.7	%	1,965.6	1,860.3	105.3	5.7	%
Service and distribution fees	211.3	203.4	7.9	3.9	%	417.7	401.1	16.6	4.1	%
Performance fees	16.7	8.9	7.8	87.6	%	28.0	23.4	4.6	19.7	%
Other	16.0	30.4	(14.4)	(47.4)	%	35.7	53.3	(17.6)	(33.0)	%
Total operating revenues	1,254.4	1,189.4	65.0	5.5	%	2,447.0	2,338.1	108.9	4.7	%
Third-party distribution, service and advisory expenses	(365.9)	(348.4)	(17.5)	5.0	%	(715.2)	(695.6)	(19.6)	2.8	%
Proportional share of revenues, net of third-party distribution expenses, from joint venture investments	11.5	10.5	1.0	9.5	%	22.1	21.6	0.5	2.3	%
CIP	6.3	5.1	1.2	23.5	%	19.5	10.6	8.9	84.0	%
Net revenues	906.3	856.6	49.7	5.8	%	1,773.4	1,674.7	98.7	5.9	%

Net revenues are operating revenues less third-party distribution, service and advisory expenses, plus our proportional share of net revenues from joint venture arrangements, plus management and performance fees earned from, less other revenues recorded by, CIP. See "Schedule of Non-GAAP Information" for additional important disclosures regarding the use of net revenues.

The impact of foreign exchange rate movements decreased operating revenues by \$36.4 million, equivalent to 2.9% of total operating revenues, during the three months ended June 30, 2017 when compared to the three months ended June 30, 2016. The impact of foreign exchange rate movements decreased operating revenues by \$72.4 million, equivalent to 3.0% of total operating revenues, during the six months ended June 30, 2017 when compared to the six months ended June 30, 2016.

Additionally, our revenues are directly influenced by the level and composition of our AUM. Therefore, movements in global capital market levels, net new business inflows (or outflows) and changes in the mix of investment products between asset classes and geographies may materially affect our revenues from period to period. As discussed in the Executive Overview, returns from most capital markets were positive in the three and six months ended June 30, 2017.

Investment Management Fees

Investment management fees increased by \$63.7 million (6.7%) in the three months ended June 30, 2017, to \$1,010.4 million (three months ended June 30, 2016: \$946.7 million). This compares to an 8.2% increase in average AUM. The impact of foreign exchange rate movements decreased investment management fees by \$35.2 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange movements, investment management fees increased by \$98.9 million (10.4%).

Investment management fees increased by \$105.3 million (5.7%) in the six months ended June 30, 2017, to \$1,965.6 million (six months ended June 30, 2016: \$1,860.3 million). This compares to a 9.6% increase in average AUM. The impact of foreign exchange rate movements decreased investment management fees by \$70.9 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange movements, investment management fees increased by \$176.2 million (9.5%).

In addition to foreign exchange movements, the change in product mix of AUM results in changes in the average revenue yield derived from AUM due to differing fee rates and structures, which impacts our management fees. See the company's disclosures regarding the changes in AUM and revenue yields during the three and six months ended June 30, 2017 in the

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“Assets Under Management” section above for additional information regarding the impact of changes in AUM on management fee yields.

Service and Distribution Fees

In the three months ended June 30, 2017, service and distribution fees increased by \$7.9 million (3.9%) to \$211.3 million (three months ended June 30, 2016: \$203.4 million). The impact of foreign exchange rate movements decreased service and distribution fees by \$0.3 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. In the six months ended June 30, 2017, service and distribution fees increased by \$16.6 million (4.1%) to \$417.7 million (six months ended June 30, 2016: \$401.1 million). Foreign exchange rate movements decreased service and distribution fees by \$0.1 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. In both periods, the increase results from increases in AUM to which these fees apply.

Performance Fees

Of our \$858.3 billion in AUM at June 30, 2017, approximately \$45.3 billion or 5.3%, could potentially earn performance fees, including carried interests and performance fees related to partnership investments and separate accounts.

In the three months ended June 30, 2017, performance fees increased by \$7.8 million (87.6%) to \$16.7 million when compared to the performance fees in the three months ended June 30, 2016 of \$8.9 million. The impact of foreign exchange rate movements decreased performance fees by \$0.7 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. Performance fees during the second quarter of 2017 primarily included \$7.4 million from U.K. investment teams, \$5.8 million from private equity investment teams, \$2.2 million from Asian-Pacific investment teams.

In the six months ended June 30, 2017, performance fees decreased by \$4.6 million (19.7%) to \$28.0 million when compared to the performance fees in the six months ended June 30, 2016 of \$23.4 million. The impact of foreign exchange rate movements decreased performance fees by \$1.0 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. Performance fees during the six months ended June 30, 2017 primarily included \$6.4 million from private equity investment teams, \$6.4 million from bank loan products, \$8.6 million from U.K. investment teams, \$3.9 million from real estate and \$2.2 million from Asian-Pacific investment teams.

Other Revenues

In the three months ended June 30, 2017, other revenues decreased by \$14.4 million (47.4%) to \$16.0 million (three months ended June 30, 2016: \$30.4 million). The impact of foreign exchange rate movements decreased other revenues by \$0.2 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate changes, the decrease in other revenues was \$14.2 million. The decrease in other revenues during the three months ended June 30, 2017 compared to the three months ended June 30, 2016 relates primarily to decreases in real estate transaction fees of \$6.7 million and UIT front end fees of \$6.3 million.

In the six months ended June 30, 2017, other revenues decreased by \$17.6 million (33.0%) to \$35.7 million (six months ended June 30, 2016: \$53.3 million). The impact of foreign exchange rate movements decreased other revenues by \$0.4 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate changes, the decrease in other revenues was \$17.2 million. The decrease in other revenues during the six months ended June 30, 2017 compared to the six months ended June 30, 2016 relates primarily to decreases in UIT front end fees of \$10.4 million and real estate transaction fees of \$5.2 million.

Third-Party Distribution, Service and Advisory Expenses

Third-party distribution, service and advisory expenses increased by \$17.5 million (5.0%) in the three months ended June 30, 2017 to \$365.9 million (three months ended June 30, 2016: \$348.4 million). The impact of foreign exchange rate movements decreased third-party distribution, service and advisory expenses by \$7.3 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in third-party distribution, service and advisory expenses was \$24.8 million. Increases in third-party distribution, service and advisory expenses in the three months ended June 30, 2017 included renewal commission increases of \$11.6 million, asset and sales based fee increases of \$7.0 million, service fees increases of \$5.4 million, increases in rebates of \$3.4 million offset by a decrease in other transaction fees of \$2.4 million. These increases in third-party distribution, service and advisory expenses are in line with the increases in related AUM.

Third-party distribution, service and advisory expenses increased by \$19.6 million (2.8%) in the six months ended June 30, 2017 to \$715.2 million (six months ended June 30, 2016: \$695.6 million). The impact of foreign exchange rate movements

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decreased third-party distribution, service and advisory expenses by \$13.3 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in third-party distribution, service and advisory expenses was \$32.9 million. Increases in third-party distribution, service and advisory expenses in the six months ended June 30, 2017 as compared to the same periods in 2016 reflects the changes in related AUM. Increases in asset and sales based fees of \$18.5 million, service fees increases of \$15.1 million and renewal commission increases of \$6.7 million were partially offset by decreases in rebates of \$4.5 million and other transaction fees of \$3.4 million.

Proportional share of revenues, net of third-party distribution expenses, from joint venture investments Management believes that the addition of our proportional share of revenues, net of third-party distribution expenses, from joint venture arrangements should be added to operating revenues to arrive at net revenues, as it is important to evaluate the contribution to the business that our joint venture arrangements are making. See “Schedule of Non-GAAP Information” for additional disclosures regarding the use of net revenues. The company's most significant joint venture arrangement is our 49% investment in Invesco Great Wall Fund Management Company Limited (the “Invesco Great Wall” joint venture).

Our proportional share of revenues, net of third-party distribution expenses, from joint venture investments increased by \$1.0 million (9.5%) to \$11.5 million for the three months ended June 30, 2017 (three months ended June 30, 2016: \$10.5 million). The increase relates primarily to increased performance fees in 2017. Our share of the Invesco Great Wall joint venture's average AUM for the three months ended June 30, 2017 was \$8.1 billion compared to \$8.6 billion for the three months ended June 30, 2016.

Our proportional share of revenues, net of third-party distribution expenses, from joint venture investments increased by \$0.5 million (2.3%) to \$22.1 million for the six months ended June 30, 2017 (six months ended June 30, 2016: \$21.6 million). Our share of the Invesco Great Wall joint venture's average AUM for the six months ended June 30, 2017 was \$8.2 billion compared to \$8.1 billion for the six months ended June 30, 2016.

Management, performance and other fees earned from CIP

Management believes that the consolidation of investment products may impact a reader's analysis of our underlying results of operations and could result in investor confusion or the production of information about the company by analysts or external credit rating agencies that is not reflective of the underlying results of operations and financial condition of the company. Accordingly, management believes that it is appropriate to adjust operating revenues for the impact of CIP in calculating net revenues. As management and performance fees earned by Invesco from the consolidated products are eliminated upon consolidation of the investment products, management believes that it is appropriate to add these operating revenues back in the calculation of net revenues. See “Schedule of Non-GAAP Information” for additional disclosures regarding the use of net revenues.

The elimination of management and performance fees earned from CIP was \$6.3 million in the three months ended June 30, 2017 (three months ended June 30, 2016: \$5.1 million). The increase is primarily due to the increase in performance fees earned from CLOs.

The elimination of management and performance fees earned from CIP was \$19.5 million in the six months ended June 30, 2017 (six months ended June 30, 2016: \$10.6 million). The increase is primarily due to the increase in performance fees earned from CLOs.

Operating Expenses

The main categories of operating expenses, and the dollar and percentage changes between periods, are as follows:

	Variance		Variance
Three months ended June 30,	2017 vs 2016	Six months ended June 30, 2016	2017 vs 2016

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\$ in millions	2017	2016	\$	%		2017	2016	\$	%	
			Change	Change				Change	Change	
Third-party distribution, service and advisory	365.9	348.4	17.5	5.0	%	715.2	695.6	19.6	2.8	%
Employee compensation	365.6	350.3	15.3	4.4	%	762.4	694.7	67.7	9.7	%
Marketing	29.1	28.3	0.8	2.8	%	53.5	53.2	0.3	0.6	%
Property, office and technology	89.0	82.3	6.7	8.1	%	174.5	162.2	12.3	7.6	%
General and administrative	85.9	78.6	7.3	9.3	%	163.9	156.5	7.4	4.7	%
Total operating expenses	935.5	887.9	47.6	5.4	%	1,869.5	1,762.2	107.3	6.1	%

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The tables below set forth these expense categories as a percentage of total operating expenses and operating revenues, which we believe provides useful information as to the relative significance of each type of expense.

\$ in millions	Three months ended					Three months ended				
	June 30, 2017	% of Total Operating Expenses	%	% of Operating Revenues	%	June 30, 2016	% of Total Operating Expenses	%	% of Operating Revenues	%
Third-party distribution, service and advisory	365.9	39.1	%	29.2	%	348.4	39.2	%	29.3	%
Employee compensation	365.6	39.1	%	29.1	%	350.3	39.5	%	29.5	%
Marketing	29.1	3.1	%	2.3	%	28.3	3.2	%	2.4	%
Property, office and technology	89.0	9.5	%	7.1	%	82.3	9.3	%	6.9	%
General and administrative	85.9	9.2	%	6.8	%	78.6	8.9	%	6.6	%
Total operating expenses	935.5	100.0	%	74.6	%	887.9	100.0	%	74.7	%

\$ in millions	Six months ended June 30, 2017	% of Total Operating Expenses	% of Operating Revenues	Six months ended June 30, 2016	% of Total Operating Expenses	% of Operating Revenues				
Third-party distribution, service and advisory	715.2	38.3	%	29.2	%	695.6	39.5	%	29.8	%
Employee compensation	762.4	40.8	%	31.2	%	694.7	39.4	%	29.7	%
Marketing	53.5	2.9	%	2.2	%	53.2	3.0	%	2.3	%
Property, office and technology	174.5	9.3	%	7.1	%	162.2	9.2	%	6.9	%
General and administrative	163.9	8.8	%	6.7	%	156.5	8.9	%	6.7	%
Total operating expenses	1,869.5	100.0	%	76.4	%	1,762.2	100.0	%	75.4	%

During the three months ended June 30, 2017, operating expenses increased by \$47.6 million (5.4%) to \$935.5 million (three months ended June 30, 2016: \$887.9 million). The impact of foreign exchange rate movements decreased operating expenses by \$21.7 million, or 2.3% of total operating expenses, during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016.

During the six months ended June 30, 2017, operating expenses increased by \$107.3 million (6.1%) to \$1,869.5 million (six months ended June 30, 2016: \$1,762.2 million). The impact of foreign exchange rate movements decreased operating expenses by \$43.5 million, or 2.3% of total operating expenses, during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016.

Third-Party Distribution, Service and Advisory Expenses

Third-party distribution, service and advisory expenses are discussed above in the operating and net revenues section.

Employee Compensation

Employee compensation increased \$15.3 million (4.4%) to \$365.6 million in the three months ended June 30, 2017 (three months ended June 30, 2016: \$350.3 million). The impact of foreign exchange rate movements decreased employee compensation by \$8.5 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in employee compensation was \$23.8 million.

Increases in compensation expense during the three months ended June 30, 2017 were primarily driven by an increase of \$12.3 million in staff severance costs, of which \$3.9 million was associated with the business optimization initiative. Increases in base salaries of \$5.2 million and variable compensation of \$7.1 million were partially offset by

decreases of \$1.1 million in sales incentives and commissions.

Employee compensation increased \$67.7 million (9.7%) to \$762.4 million in the six months ended June 30, 2017 (six months ended June 30, 2016: \$694.7 million). The impact of foreign exchange rate movements decreased employee compensation by \$18.4 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in employee compensation was \$86.1 million.

Increases in compensation expense during the six months ended June 30, 2017 were primarily driven by an increase of \$28.0 million in staff severance costs, of which \$19.6 million was associated with the business optimization initiative and also an increase of \$18.3 million in deferred compensation costs related to accelerated vesting for multiple senior executive retirements. Increases in compensation expense as compared to the six months ended June 30, 2016 also included increases of

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\$14.6 million in variable compensation, \$11.6 million in base salaries driven by increased headcount and annual raises, \$9.4 million in benefit costs and \$4.2 million in sales incentives and commissions.

Headcount at June 30, 2017 was 6,888 (June 30, 2016: 6,796). The increase in headcount is primarily attributable to growth in our shared service centers.

Marketing

Marketing expenses increased by \$0.8 million (2.8%) in the three months ended June 30, 2017 to \$29.1 million (three months ended June 30, 2016: \$28.3 million). The impact of foreign exchange rate movements decreased marketing expenses by \$1.0 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in marketing expenses was \$1.8 million. Marketing expenses increased by \$0.3 million (0.6%) in the six months ended June 30, 2017 to \$53.5 million (six months ended June 30, 2016: \$53.2 million). The impact of foreign exchange rate movements decreased marketing expenses by \$1.6 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate changes, the increase in marketing expenses was \$1.9 million.

Property, Office and Technology

Property, office and technology costs increased by \$6.7 million (8.1%) to \$89.0 million in the three months ended June 30, 2017 (three months ended June 30, 2016: \$82.3 million). The impact of foreign exchange rate movements decreased property, office and technology expenses by \$2.1 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate movements, the increase was \$8.8 million. This increase was comprised of a \$6.4 million increase in technology and communications expenses primarily due to increases in outsourced administration costs of \$4.7 million and increases in depreciation and maintenance of \$2.0 million. Property and office costs increased \$2.5 million over the comparable 2016 period, primarily due to increases in property taxes and office expenses of \$1.6 million and rent expense of \$0.8 million. Property, office and technology costs increased by \$12.3 million (7.6%) to \$174.5 million in the six months ended June 30, 2017 (six months ended June 30, 2016: \$162.2 million). The impact of foreign exchange rate movements decreased property, office and technology expenses by \$4.4 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate movements, the increase was \$16.7 million. This increase was comprised of a \$11.9 million increase in technology and communications expenses primarily due to increases in outsourced administration costs of \$8.4 million and increases in depreciation and maintenance of \$3.9 million. Property and office costs increased \$4.8 million over the comparable 2016 period, primarily due to increases in property taxes and office expenses of \$2.0 million, depreciation expense of \$1.1 million and rent expenses of \$1.7 million.

General and Administrative

General and administrative expenses increased by \$7.3 million (9.3%) to \$85.9 million in the three months ended June 30, 2017 (three months ended June 30, 2016: \$78.6 million). The impact of foreign exchange rate movements decreased general and administrative expenses by \$2.8 million during the three months ended June 30, 2017 as compared to the three months ended June 30, 2016. After allowing for foreign exchange rate movements, general and administrative costs increased \$10.1 million compared to the same period in 2016.

Increases in general and administrative expenses for the three months ended June 30, 2017 were driven by increases in consulting, audit, legal and professional services costs of \$11.1 million, which were primarily associated with the business optimization initiative and Source acquisition-related costs. Also impacting general and administrative expenses was an increase in legal settlement expenses of \$4.9 million related to a credit on a previous regulatory charge that was recorded during the three months ended June 30, 2016, and a 2017 increase in fund expenses of \$1.2 million. These increases were partially offset by a decrease of \$5.5 million in fund launch costs incurred by CIP and a decrease of \$2.2 million related to foreign currency transaction cost compared to the three months ended June 30, 2016.

General and administrative expenses increased by \$7.4 million (4.7%) to \$163.9 million in the six months ended June 30, 2017 (three months ended June 30, 2016: \$156.5 million). The impact of foreign exchange rate movements decreased general and administrative expenses by \$5.8 million during the six months ended June 30, 2017 as compared to the six months ended June 30, 2016. After allowing for foreign exchange rate movements, general and administrative costs increased \$13.2 million compared to the same period in 2016.

General and administrative expenses for the six months ended June 30, 2017 included an increase of \$18.6 million in consulting, audit, legal and professional services costs, primarily related to the business optimization initiative and acquisition-

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related costs. General and administrative expenses also included an increase of \$3.1 million in irrecoverable taxes and an increase of \$1.3 million in fund expenses compared to the six months ended June 30, 2016. These increases were partially offset by a decrease of \$7.1 million in fund launch costs incurred by CIPs and a decrease of \$1.1 million in legal settlement expense related to regulatory investigations which incurred in the six months ended June 30, 2016 .

Other Income and Expenses

The main categories of other income and expenses, and the dollar and percentage changes between periods are as follows:

	Three months ended June 30,					Variance 2017 vs 2016		Six months ended June 30,					Variance 2017 vs 2016	
\$ in millions	2017	2016	\$	%		2017	2016	\$	%		2017	2016	\$	%
			Change	Change				Change	Change				Change	Change
Equity in earnings of unconsolidated affiliates	10.5	4.6	5.9	128.3	%	28.2	(7.6)	35.8	N/A					
Interest and dividend income	1.6	2.5	(0.9)	(36.0)	%	4.5	6.1	(1.6)	(26.2)	%				
Interest expense	(23.6)	(22.1)	(1.5)	6.8	%	(47.6)	(46.0)	(1.6)	3.5	%				
Other gains and losses, net	2.5	(4.2)	6.7	N/A		8.7	(8.9)	17.6	N/A					
Other income/(expense) of CIP, net	32.3	37.9	(5.6)	(14.8)	%	60.8	30.4	30.4	100.0	%				
Total other income and expenses	23.3	18.7	4.6	24.6	%	54.6	(26.0)	80.6	N/A					

Equity in earnings of unconsolidated affiliates

Equity in earnings of unconsolidated affiliates increased by \$5.9 million to \$10.5 million in the three months ended June 30, 2017 (three months ended June 30, 2016: \$4.6 million). The increase in equity in earnings is driven by increases of \$4.1 million in earnings from our private equity investments and increases of \$1.6 million in earnings from our joint venture investments in China.

Equity in earnings of unconsolidated affiliates increased by \$35.8 million to \$28.2 million in the six months ended June 30, 2017 (six months ended June 30, 2016: \$7.6 million loss). The increase is primarily due to a non-cash impairment charge of \$17.8 million related to the company's former 49% investment in its Indian joint venture taken in the first quarter of 2016. The increase also results from a \$13.2 million increase in earnings from our investments in real estate products and an increase of \$5.9 million from our private equity investments.

Other gains and losses, net

Other gains and losses, net were a gain of \$2.5 million in the three months ended June 30, 2017 as compared to a net loss of \$4.2 million in the three months ended June 30, 2016. The 2017 period included realized investment gains of \$5.8 million (three months ended June 30, 2016: \$0.4 million net loss), net trading gains of \$4.9 million on the appreciation of investments and the total return swap held for our deferred compensation plans (three months ended June 30, 2016: \$3.6 million net gain), \$3.8 million gains related to the mark-to-market on our trading seed money (three months ended June 30, 2016: \$2.3 million net gain) and \$0.2 million related to an acquisition-related change in the fair value of the contingent consideration liability (three months ended June 30, 2016: \$15.1 million net loss). These gains were partially offset by net losses during the period of \$9.2 million related to the mark-to-market of foreign exchange put option contracts intended to provide protection against the impact of a significant decline in the Pound Sterling/U.S. Dollar and Euro/U.S. Dollar foreign exchange rates (three months ended June 30, 2016: \$6.6 million gain) and an investment impairment charge of \$3.2 million.

Other gains and losses, net were a gain of \$8.7 million in the six months ended June 30, 2017 as compared to a net loss of \$8.9 million in the six months ended June 30, 2016. The 2017 period included net trading gains of \$14.9 million on the appreciation of investments and instruments held for our deferred compensation plans (six months ended June 30, 2016: \$1.9 million net gain), \$9.2 million related to the mark-to-market on our trading seed money (six

months ended June 30, 2016: \$0.5 million net gain), realized investment gains of \$5.4 million (six months ended June 30, 2016: \$0.2 million net loss) and \$1.0 million related to an acquisition-related change in the fair value of the contingent consideration liability (six months ended June 30, 2016: \$11.6 million net loss). These gains were partially offset by net losses during the period of \$17.4 million related to the mark-to-market of foreign exchange put option contracts intended to provide protection against the impact of a significant decline in the Pound Sterling/U.S. Dollar and Euro/U.S. Dollar foreign exchange rates and \$0.5 million resulting from the revaluation of intercompany foreign currency denominated loans into the various functional currencies of our subsidiaries (six months ended June 30, 2016: \$9.1 million net gain and \$6.9 million net loss, respectively). Other gains and losses in the six months ended June 30, 2017 also included an investment impairment charge of \$3.2 million.

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Other income/(expense) of CIP

In the three months ended June 30, 2017, interest and dividend income of CIP increased by \$3.7 million (8.0%) to \$49.9 million (three months ended June 30, 2016: \$46.2 million). Interest expense of CIP increased by \$11.5 million (34.5%) to \$44.8 million (three months ended June 30, 2016: \$33.3 million).

In the six months ended June 30, 2017, interest and dividend income of CIP increased by \$13.1 million (14.5%) to \$103.7 million (six months ended June 30, 2016: \$90.6 million). Interest expense of CIP increased by \$20.4 million (33.7%) to \$81.0 million (six months ended June 30, 2016: \$60.6 million).

The increase in interest income and interest expense of CIP in 2017 is primarily due to the impact of newly consolidated CLOs and other funds during 2016 and the six months ended 2017.

Included in other gains/(losses) of CIP, net, are realized and unrealized gains and losses on the underlying investments and debt of CIP. In the three months ended June 30, 2017, other gains and losses of CIP were a net gain of \$27.2 million, as compared to a net gain of \$25.0 million in the three months ended June 30, 2016. The net gain during the three months ended June 30, 2017 was attributable to market-driven gains of investments held by consolidated funds.

Included in other gains/(losses) of CIP, net, are realized and unrealized gains and losses on the underlying investments and debt of CIP. In the six months ended June 30, 2017, other gains and losses of CIP were a net gain of \$38.1 million, as compared to a net gain of \$0.4 million in the six months ended June 30, 2016. The net gain during the six months ended June 30, 2017 was attributable to market-driven gains of investments held by consolidated funds.

Net impact of CIP and related noncontrolling interests in consolidated entities

The net impact to net income attributable to Invesco Ltd. in each period primarily represents the changes in the value of the company's holding in its consolidated CLOs, which is reclassified into other gains/(losses) from accumulated other comprehensive income upon consolidation. The consolidation of investment products during the three months ended June 30, 2017 resulted in a net decrease in net income attributable to Invesco Ltd. of \$2.9 million (three months ended June 30, 2016: \$8.0 million increase). The consolidation of investment products during the six months ended June 30, 2017 resulted in a net increase in net income attributable to Invesco Ltd. of \$2.8 million (six months ended June 30, 2016: \$0.4 million decrease).

Noncontrolling interests in consolidated entities represent the profit or loss amounts attributed to third party investors in CIP. The impact of any gains or losses resulting from valuation changes in the investments of non-CLO CIP attributable to the interests of third parties are offset by resulting changes in gains and losses attributable to noncontrolling interests in consolidated entities and therefore do not have a material effect on the financial condition, operating results (including earnings per share), liquidity or capital resources of the company's common shareholders. Similarly, any gains or losses resulting from valuation changes in the investments of CLOs attributable to the interests of third parties are offset by the calculated value of the notes issued by the CLOs (offsetting in other gains/(losses) of CIP) and therefore also do not have a material effect on the financial condition, operating results (including earnings per share), liquidity or capital resources of the company's common shareholders.

Additionally, CIP represent less than 1% of the company's AUM. Therefore, the net gains or losses of CIP are not indicative of the performance of the company's aggregate AUM.

Income Tax Expense

The company's subsidiaries operate in several taxing jurisdictions around the world, each with its own statutory income tax rate. As a result, the blended average statutory tax rate will vary from year to year depending on the mix of the profits and losses of the company's subsidiaries.

Our effective tax rate increased to 27.1% for the three months ended June 30, 2017 (three months ended June 30, 2016: 26.1%). The inclusion of income from non-controlling interests in consolidated entities decreased our effective tax rate by 0.8% in 2017 and decreased our rate by 1.0% in 2016. 2017 included a 0.3% rate decrease related to excess tax benefits on share based compensation for vestings of our annual share awards. Included in the rate for 2017 were changes in our profit mix and movement from our foreign currency hedge contracts. 2016 included a 0.5% rate

decrease as a result adjustments related to changes in the fair value of contingent consideration discussed above.

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Our effective tax rate decreased to 26.6% for the six months ended June 30, 2017 (six months ended June 30, 2016: 28.3%). The inclusion of income from non-controlling interests in consolidated entities decreased our effective tax rate by 0.5% in 2017 and decreased our rate by 0.4% in 2016. 2017 included a 0.4% rate decrease related to excess tax benefits on share based compensation for vestings of our annual share awards. Included in the rate decrease for 2017 were expenses related to the retirement costs and business optimization costs discussed above, changes in our profit mix and movement from our foreign currency hedge contracts. 2016 included a 0.3% rate decrease as a result of adjustments related to changes in the fair value of contingent consideration discussed above and a 0.9% rate increase as a result of the non-cash impairment charge related to the company's former 49% investment in its Indian joint venture.

Schedule of Non-GAAP Information

We are presenting the following non-GAAP performance measures: net revenues (and by calculation, net revenue yield on AUM), adjusted operating income, adjusted operating margin, adjusted net income attributable to Invesco Ltd., and adjusted diluted EPS. We believe these non-GAAP measures provide greater transparency into our business on an ongoing operations basis and allow more appropriate comparisons with industry peers. Management uses these performance measures to evaluate the business and for internal management reporting. The most directly comparable U.S. GAAP measures are operating revenues (and by calculation, gross revenue yield on AUM), operating income, operating margin, net income attributable to Invesco Ltd., and diluted EPS. Each of these measures is discussed more fully below.

These non-GAAP measures should not be considered as substitutes for any measures derived in accordance with U.S. GAAP and may not be comparable to other similarly titled measures of other companies. Additional reconciling items may be added in the future to these non-GAAP measures if deemed appropriate. The tax effect related to reconciling items have been calculated based on the tax rate attributable to the jurisdiction to which the transaction relates.

The following are reconciliations of operating revenues, operating income (and by calculation, operating margin), and net income attributable to Invesco Ltd. (and by calculation, diluted EPS) on a U.S. GAAP basis to net revenues, adjusted operating income (and by calculation, adjusted operating margin), and adjusted net income attributable to Invesco Ltd. (and by calculation, adjusted diluted EPS). Notes to the reconciliations follow the tables.

Reconciliation of Operating revenues to Net revenues:

\$ in millions	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Operating revenues, U.S. GAAP basis	1,254.4	1,189.4	2,447.0	2,338.1
Proportional share of revenues, net of third-party distribution expenses, from joint venture investments ⁽¹⁾	11.5	10.5	22.1	21.6
Third party distribution, service and advisory expenses ⁽²⁾	(365.9)	(348.4)	(715.2)	(695.6)
CIP ⁽³⁾	6.3	5.1	19.5	10.6
Net revenues	906.3	856.6	1,773.4	1,674.7

Reconciliation of Operating income to Adjusted operating income:

\$ in millions	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Operating income, U.S. GAAP basis	318.9	301.5	577.5	575.9
Proportional share of net operating income from joint venture investments ⁽¹⁾	5.3	4.2	6.6	7.5
CIP ⁽³⁾	8.5	13.0	20.5	20.3
Business combinations ⁽⁴⁾	8.4	4.5	13.5	14.0
	3.4	1.8	9.1	1.6

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Compensation expense related to market valuation changes in deferred
compensation plans ⁽⁵⁾

Other reconciling items ⁽⁶⁾

Adjusted operating income

12.0	5.4	56.4	18.2
356.5	330.4	683.6	637.5

Operating margin*

Adjusted operating margin**

25.4	%	25.3	%	23.6	%	24.6	%
39.3	%	38.6	%	38.5	%	38.1	%

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Reconciliation of Net income attributable to Invesco Ltd. to Adjusted net income attributable to Invesco Ltd.:

	Three months ended June 30,		Six months ended June 30,	
\$ in millions, except per share data	2017	2016	2017	2016
Net income attributable to Invesco Ltd., U.S. GAAP basis	239.6	225.5	451.6	386.5
CIP ⁽³⁾	2.9	(8.0)	(2.8)	0.4
Business combinations, net of tax ⁽⁴⁾	10.9	17.9	19.6	45.2
Deferred compensation plan market valuation changes and dividend income less compensation expense, net of tax ⁽⁵⁾	(1.1)	(1.3)	(4.0)	(0.2)
Other reconciling items, net of tax ⁽⁶⁾	12.2	(1.1)	50.6	5.9
Adjusted net income attributable to Invesco Ltd.	264.5	233.0	515.0	437.8
Average shares outstanding - diluted	410.3	419.1	409.2	419.1
Diluted EPS	\$0.58	\$0.54	\$1.10	\$0.92
Adjusted diluted EPS***	\$0.64	\$0.56	\$1.26	\$1.04

* Operating margin is equal to operating income divided by operating revenues.

** Adjusted operating margin is equal to adjusted operating income divided by net revenues.

Adjusted diluted EPS is equal to adjusted net income attributable to Invesco Ltd. divided by the weighted average

*** number of common and restricted shares outstanding. There is no difference between the calculated earnings per share amounts presented above and the calculated earnings per share amounts under the two class method.

(1) Proportional share of net revenues and operating income from joint venture investments

The company's two joint venture investments in China are proportionately consolidated in the company's non-GAAP measures. Enhancing our operations in China is one effort that we believe could improve our competitive position over time. Accordingly, we believe that it is appropriate to evaluate the contribution of our joint venture investments to the operations of the business.

(2) Third-party distribution, service and advisory expenses

Third-party distribution, service and advisory expenses include renewal commissions, management fee rebates and distribution costs (12b-1 and marketing support) paid to brokers and independent financial advisors, and other service and administrative fees paid to third parties. While the terms used for these types of expenses vary by geography, they are all expense items that are closely linked to the value of AUM and the revenue earned by Invesco from AUM.

Since the company has been deemed to be the principal in the third-party arrangements, the company must reflect these expenses gross of operating revenues under U.S. GAAP.

Management believes that the deduction of third-party distribution, service and advisory expenses from operating revenues in the computation of net revenues (and by calculation, net revenue yield on AUM) and the related computation of adjusted operating income (and by calculation, adjusted operating margin) appropriately reflects the nature of these expenses as revenue-sharing activities, as these costs are passed through to external parties who perform functions on behalf of, and distribute, the company's managed funds. Further, these expenses vary extensively by geography due to the differences in distribution channels. The net presentation assists in identifying the revenue contribution generated by the business, removing distortions caused by the differing distribution channel fees and allowing for a fair comparison with U.S. peer investment managers and within Invesco's own investment units.

Additionally, management evaluates net revenue yield on AUM, which is equal to net revenues divided by average AUM during the reporting period. This financial measure is an indicator of the basis point net revenues we receive for each dollar of AUM we manage and is useful when evaluating the company's performance relative to industry

competitors and within the company for capital allocation purposes.

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(3) CIP

See Part I, Item 1, Financial Statements, Note 12 - “Consolidated Investment Products” for a detailed analysis of the impact to the company’s Condensed Consolidated Financial Statements from the consolidation of CIP. The reconciling items add back the management and performance fees earned by Invesco from the consolidated products and remove the revenues and expenses recorded by the consolidated products that have been included in the U.S. GAAP Condensed Consolidated Statements of Income.

Management believes that the consolidation of investment products may impact a reader's analysis of our underlying results of operations and could result in investor confusion or the production of information about the company by analysts or external credit rating agencies that is not reflective of the underlying results of operations and financial condition of the company. Accordingly, management believes that it is appropriate to adjust operating revenues, operating income and net income for the impact of CIP in calculating the respective net revenues, adjusted operating income and adjusted net income.

CIP Revenue:

	Three months ended June 30, 2017		Six months ended June 30, 2016	
\$ in millions, except per share data				
Management fees earned from CIP, eliminated upon consolidation	5.6	4.7	12.7	9.7
Performance fees earned from CIP, eliminated upon consolidation	0.7	0.4	6.8	0.9
CIP related adjustments in arriving at net revenues	6.3	5.1	19.5	10.6

(4) Business combinations

Adjustments are comprised of amounts incurred by the company in connection with business combinations, including intangible asset amortization, changes in the fair value of the contingent consideration liability payable in future periods, business combination-related transaction costs, impairments, employee compensation expenses associated with business combinations and all related tax effects, as well as the reversal of deferred tax liabilities recorded under U.S. GAAP resulting from tax amortization of goodwill and indefinite-lived intangible assets.

While finite-lived intangible assets are amortized under U.S. GAAP, there is no amortization charge on goodwill and indefinite-lived intangibles. In certain qualifying situations, these can be amortized for tax purposes, generally over a 15-year period, as is the case in the U.S. These deferred tax liabilities represent tax benefits that are not included in the Condensed Consolidated Statements of Income absent an impairment charge or the disposal of the related business.

The company receives these tax benefits but does not anticipate a sale or impairment of these assets in the foreseeable future, and therefore the deferred tax liabilities recognized under U.S. GAAP are not expected to be used either through a credit in the Condensed Consolidated Statements of Income or through settlement of tax obligations.

Management believes it is useful to investors and other users of our Condensed Consolidated Financial Statements to adjust for these business combination-related items in arriving at adjusted operating income, adjusted operating margin and adjusted diluted EPS, as this will aid comparability of our results period to period, and aid comparability with peer companies that may not have similar business combination-related charges.

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See table below for a reconciliation of business combination-related items:

\$ in millions	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Business combinations:				
Intangible amortization expense	3.5	3.4	6.9	6.9
Employee compensation expense	1.6	0.3	2.7	5.7
Other business combination-related items	3.3	0.8	3.9	1.4
Adjustments to operating income	8.4	4.5	13.5	14.0
Changes in the fair value of contingent consideration	(1.2)	15.1	(1.7)	11.6
Other-than-temporary impairment	—	—	—	17.8
Taxation:				
Taxation on amortization	(0.4)	(0.3)	(0.8)	(0.7)
Taxation on employee compensation expense	(0.6)	(0.1)	(1.0)	(2.1)
Deferred taxation	4.9	4.7	9.8	9.6
Taxation on other business combination-related items	(0.7)	(0.3)	(0.9)	(0.6)
Taxation on changes in the fair value of contingent consideration	0.5	(5.7)	0.7	(4.4)
Adjustments to net income attributable to Invesco Ltd.	10.9	17.9	19.6	45.2

(5) Market movement on deferred compensation plan liabilities

Certain deferred compensation plan awards involve a return to the employee linked to the appreciation (depreciation) of specified investments, typically the funds managed by the employee. Invesco hedges economically the exposure to market movements.

Since these plans are hedged economically, management believes it is useful to reflect the offset ultimately achieved from hedging the investment market exposure in the calculation of adjusted operating income (and by calculation, adjusted operating margin) and adjusted net income attributable to Invesco Ltd. (and by calculation, adjusted diluted EPS), to produce results that will be more comparable period to period.

See below for a reconciliation of deferred compensation related items:

\$ in millions	Three months ended June 30,		Six months ended June 30,	
	2017	2016	2017	2016
Market movement on deferred compensation plan liabilities:				
Compensation expense related to market valuation changes in deferred compensation liability	3.4	1.8	9.1	1.6
Adjustments to operating income	3.4	1.8	9.1	1.6
Market valuation changes and dividend income from investments and instruments held related to deferred compensation plans in other income/(expense)	(5.1)	(3.8)	(15.3)	(2.2)
Taxation:				
Taxation on deferred compensation plan market valuation changes and dividend income less compensation expense	0.6	0.7	2.2	0.4
Adjustments to net income attributable to Invesco Ltd.	(1.1)	(1.3)	(4.0)	(0.2)

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(6) Other reconciling items

Each of these other reconciling items has been adjusted from U.S. GAAP to arrive at the company's non-GAAP financial measures for the reasons either outlined in the paragraphs above, due to the unique character and magnitude of the reconciling item, or because the item represents a continuation of a reconciling item adjusted from U.S. GAAP in a prior period.

	Three months ended June 30,		Six months ended June 30,	
\$ in millions	2017	2016	2017	2016
Other non-GAAP adjustments:				
Business optimization charges: ^(a)				
Employee compensation	3.9	4.4	19.6	8.4
Consulting and temporary labor	6.9	5.5	15.1	8.6
Property, office and technology	1.2	0.4	2.0	0.1
Regulatory charge ^(b)	—	(4.9)	—	1.1
Senior executive retirement and related costs ^(c)	—	—	19.7	—
Adjustments to operating income	12.0	5.4	56.4	18.2
Foreign exchange hedge (gain)/loss ^(d)	7.1	(8.4)	21.0	(9.8)
Taxation:				
Taxation on business optimization charges ^(a)	(4.2)	(3.2)	(12.9)	(5.5)
Taxation on regulatory-related charges ^(b)	—	1.9	—	(0.4)
Taxation on foreign exchange hedge amortization ^(d)	(2.7)	3.2	(8.0)	3.4
Taxation on senior executive retirement and related costs ^(c)	—	—	(5.9)	—
Adjustments to net income attributable to Invesco Ltd.	12.2	(1.1)	50.6	5.9

Business optimization: Operating expenses for the three and six months ended June 30, 2017 include costs (a) associated with a business transformation initiative discussed in Part I, Item 1, Financial Statements - Note 14, "Business Optimization."

(b) General and administrative expense for the three and six months ended June 30, 2016 include a net settlement credit of \$4.9 million and a net settlement charge of \$1.1 million pertaining to regulatory actions.

Operating expenses for the six months ended June 30, 2017 reflect the cost of multiple senior executive retirements, including, among others, the former Senior Managing Director of EMEA and the Chairman of our Private Equity business, which resulted in expenses of \$19.7 million related to accelerated vesting of deferred compensation and other separation costs. The number of senior executive retirements and magnitude of their (c) retirement costs incurred in one quarter was unprecedented for Invesco. The company deemed it appropriate to adjust these costs from U.S. GAAP total compensation expenses in an effort to isolate and evaluate our level of ongoing compensation expenses and to allow for more appropriate comparisons to internal metrics and with the level of compensation expenses incurred by industry peers.

Included within other gains and losses, net is the mark-to-market of foreign exchange put option contracts intended to provide protection against the impact of a significant decline in the Pound Sterling/U.S. Dollar and the Euro/U.S. Dollar foreign exchange rates. The Pound Sterling contracts provide coverage through December 31, (d) 2018 and the Euro contracts provide coverage through December 27, 2017. The adjustment from U.S. GAAP to non-GAAP earnings removes the impact of market volatility; therefore, the company's non-GAAP results include only the amortization of the cost of the contracts during the contract period.

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Balance Sheet Discussion

Cash and cash equivalents

Cash and cash equivalents increased by \$318.1 million from \$1,328.0 million at December 31, 2016 to \$1,646.1 million at June 30, 2017. See “Cash Flows Discussion” in the following section within this Management's Discussion and Analysis for additional discussion regarding the movements in cash flows during the period.

Unsettled fund receivables and payables

Unsettled fund receivables increased by \$345.0 million from \$672.9 million at December 31, 2016 to \$1,017.9 million at June 30, 2017, due primarily to higher transaction activity between funds and investors in late June 2017 when compared to late December 2016 in our U.K. and cross-border funds, together with UITs. In our U.K. and cross-border operations, unsettled fund receivables are created by the normal settlement periods on transactions initiated by certain clients. In the company's capacity as sponsor of UITs, the company records receivables from brokers, dealers, and clearing organizations for unsettled sell trades of securities and UITs in addition to receivables from customers for unsettled sell trades of UITs. The presentation of the unsettled fund receivables and substantially offsetting payables (\$1,002.1 million at June 30, 2017 up from \$659.3 million at December 31, 2016) at trade date reflects the legal relationship between the underlying investor and the company.

Investments

As of June 30, 2017 we had \$642.6 million in total investments (December 31, 2016: \$795.3 million). Included in investments are \$209.6 million of seed money investments in affiliated funds used to seed funds as we launch new products, and \$86.3 million of investments related to assets held for deferred compensation plans, which are also held primarily in affiliated funds. Seed investments decreased by a net \$40.2 million during the six months ended June 30, 2017. The decrease in the period reflects redemptions of \$115.2 million of seed investments. The redemptions were offset by a non-cash increase of \$52.2 million due to the deconsolidation of certain CIP in the period (restoring the company's formerly eliminated investment balances) as well as an increase of \$22.8 million driven by market valuation changes, purchases, and foreign exchange movements. Investments related to deferred compensation awards decreased by a net \$84.2 million during the period, primarily related to the disposition of certain investments held to hedge economically one of the company's deferred compensation plans. Such disposition occurred in conjunction with the entrance by the company into a one-year renewable total return swap to more efficiently hedge this deferred compensation plan. This transaction did not have a material impact to the company's operations or financial position. Included in investments are \$277.4 million in equity method investments in our Chinese joint venture and in certain of the company's private equity partnerships, real estate partnerships and other co-investments (December 31, 2016: \$279.0 million). The decrease of \$1.6 million in equity method investments was driven by a decrease in partnership investments resulting from capital returns and the consolidation of certain investments during the current period. These decreases were partially offset by current period earnings of equity method investments, capital calls into certain partnership investments and increases due to the changes in foreign exchange rates.

Assets held for policyholders and policyholder payables

One of our subsidiaries, Invesco Perpetual Life Limited, is an insurance company that was established to facilitate retirement savings plans in the U.K. The entity holds assets that are managed for its clients on its balance sheet with an equal and offsetting liability. The increase in the balance of these accounts from \$8,224.2 million at December 31, 2016 to \$10,716.7 million at June 30, 2017 was the result of new business net inflows and market movement of \$2,014.7 million and exchange rate movements of \$477.8 million.

Goodwill

Goodwill increased from \$6,129.2 million at December 31, 2016, to \$6,269.5 million at June 30, 2017. The increase is due to foreign exchange movements of \$140.3 million. The company's annual goodwill impairment review is performed as of October 1 of each year.

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Liquidity and Capital Resources

Our capital structure, together with available cash balances, cash flows generated from operations, existing capacity under our credit facility and further capital market activities, if necessary, should provide us with sufficient resources to meet present and future cash needs, including operating, debt and other obligations as they come due and anticipated future capital requirements.

Our capital management priorities have evolved with the growth and success of our business and include:

- reinvestment in the business;
- moderate annual growth of dividends (as further discussed in the "Dividends" section below);
- share repurchase; and
- establishment of an approximate \$1 billion cash buffer in excess of European regulatory and liquidity requirements.

These priorities are executed in a manner consistent with our desire to maintain strong, investment grade credit ratings. As of the filing of the Report, Invesco held credit ratings of A/Stable, A2/Stable and A-/Stable from Standard & Poor's Ratings Service ("S&P"), Moody's Investor Services ("Moody's") and Fitch Ratings ("Fitch"), respectively. Our ability to continue to access the capital markets in a timely manner depends on a number of factors, including our credit ratings, the condition of the global economy, investors' willingness to purchase our securities, interest rates, credit spreads and the valuation levels of equity markets. If we are unable to access capital markets in a timely manner, our business could be adversely impacted.

Certain of our subsidiaries are required to maintain minimum levels of capital. Such requirements may change from time-to-time as additional guidance is released based on a variety of factors, including balance sheet composition, assessment of risk exposures and governance, and review from regulators. These and other similar provisions of applicable law may have the effect of limiting withdrawals of capital, repayment of intercompany loans and payment of dividends by such entities. All of our regulated EU subsidiaries are subject to consolidated capital requirements under EU Directives, including those arising from the Capital Requirements Directive and the United Kingdom's Internal Capital Adequacy Assessment Process, and capital is maintained within this sub-group to satisfy these regulations. We meet these requirements in part by holding cash and cash equivalents. This retained cash can be used for general business purposes in the European sub-group in the countries where it is located. Due to the capital restrictions, the ability to transfer cash between certain jurisdictions may be limited. In addition, transfers of cash between international jurisdictions may have adverse tax consequences. We are in compliance with all regulatory minimum net capital requirements. As of June 30, 2017, the company's minimum regulatory capital requirement was \$731.4 million (December 31, 2016: \$590.8 million); the increase was driven primarily by the foreign exchange market risk capital requirement arising from holding foreign currency cash balances for the closure of the pending Source acquisition, increased business activity and strengthening of the Pound Sterling against the U.S. Dollar. The total amount of non-U.S. cash and cash equivalents was \$1,393.4 million at June 30, 2017 (December 31, 2016: \$1,168.4 million).

In addition, the company is required to hold cash deposits with clearing organizations or to otherwise segregate cash to maintain compliance with federal and other regulations in connection with its UIT broker dealer entity. At June 30, 2017, these cash deposits totaled \$11.4 million (December 31, 2016: \$11.4 million).

The consolidation of \$5.3 billion and \$3.9 billion of total assets and long-term debt of CIP as of June 30, 2017, respectively, did not impact the company's liquidity and capital resources. The majority of CIP balances related to consolidated CLOs. The collateral assets of the CLOs are held solely to satisfy the obligations of the CLOs. The company has no right to the benefits from, nor does it bear the risks associated with, the collateral assets held by the CLOs, beyond the company's minimal direct investments in, and management and performance fees generated from, these products, which are eliminated upon consolidation. If the company were to liquidate, the collateral assets would not be available to the general creditors of the company, and as a result, the company does not consider them to be

company assets. Likewise, if the CLOs were to liquidate, their investors would have no recourse to the general credit of the company. The company therefore does not consider this debt to be an obligation of the company. See Part I, Item 1, Financial Statements - Note 12, "Consolidated Investment Products," for additional details.

Cash Flows Discussion

The ability to consistently generate cash flow from operations in excess of dividend payments, share repurchases, capital expenditures, and ongoing operating expenses is one of our company's fundamental financial strengths. Operations continue to be financed from current earnings and borrowings. Our principal uses of cash, other than for operating expenses, include dividend payments, capital expenditures, acquisitions, purchase of our shares in the open market and investments in certain new investment products.

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Cash flows of CIP (discussed in Item 1, Financial Statements - Note 12, “Consolidated Investment Products”) are reflected in Invesco's cash provided by or used in operating activities, investing activities and financing activities. Cash held by CIP is not available for general use by Invesco, nor is Invesco cash available for general use by its CIP. Accordingly, the table below presents the consolidated total cash flows of the company and separately presents the impact to the cash flows from CIP. The impact is illustrated in the tables immediately below by a column which shows the dollar-value change in the consolidated figures, as caused by the consolidation of CIP. For example, the impact of CIP on net cash provided by/(used in) operating activities for the six months ended June 30, 2017 reflects cash provided of \$212.5 million; however, this was not provided as part of the company's corporate cash balances. Excluding the impact of CIP, cash provided by operations was \$569.1 million during the six months ended June 30, 2017.

Also as illustrated in the table below, the sum of the operating, investing and financing cash flows of CIP offsets to a zero impact to the company's change in cash and cash equivalent balances from period to period. The cash flows of CIP do not form part of the company's cash flow management processes, nor do they form part of the company's significant liquidity evaluations and decisions for the reasons noted. The discussion that follows the table focuses on the company's cash flows.

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Summary of Cash Flow Statement Impact of CIP

\$ in millions	Six months ended June 30, 2017		Six months ended June 30, 2016	
	Impact of CIP	Invesco Ltd. Consolidated	Impact of CIP	Invesco Ltd. Consolidated
Operating activities:				
Net income	15.0	463.8	7.4	394.3
Adjustments to reconcile net income to net cash provided by/(used in) operating activities:				
Amortization and depreciation	—	52.5	—	49.9
Share-based compensation expense	—	92.5	—	79.1
Other (gains)/losses, net	22.6	(8.7)	) 0.9	8.9
Other (gains)/losses of CIP, net	(38.1)	) (38.1)	) (0.4)	) (0.4)
Equity in earnings of unconsolidated affiliates	2.7	(28.2)	) 1.6	7.6
Dividends from unconsolidated affiliates	—	1.2	—	0.9
Changes in operating assets and liabilities:				
(Increase)/decrease in cash held by CIP	407.0	407.0	(8.9)	) (8.9)
(Purchase)/sale of investments by CIP, net	(245.8)	) (245.8)	) (118.5)	) (118.5)
(Purchase)/sale of trading investments, net	13.5	174.5	(3.5)	) (14.7)
(Increase)/decrease in receivables	(10.7)	) (2,324.5)	) (7.8)	) (1,823.9)
Increase/(decrease) in payables	46.3	2,235.4	19.4	1,639.3
Net cash provided by/(used in) operating activities	212.5	781.6	(109.8)	) 213.6
Investing activities:				
Purchase of property, equipment and software	—	(59.9)	) —	(65.3)
Purchase of available-for-sale investments	4.9	(7.7)	) 5.0	(4.1)
Sale of available-for-sale investments	(14.1)	) 57.6	(4.6)	) 5.7
Purchase of investments by CIP	(3,080.5)	(3,080.5)	) (1,220.1)	(1,220.1)
Sale of investments by CIP	3,145.8	3,145.8	908.4	908.4
Purchase of other investments	49.2	(87.6)	) 16.8	(61.6)
Sale of other investments	—	63.3	—	53.3
Returns of capital and distributions from unconsolidated partnership investments	(56.8)	) 37.3	(3.4)	) 22.8
Purchase of business	—	—	—	(121.9)
Net cash provided by/(used in) investing activities	48.5	68.3	(297.9)	) (482.8)
Financing activities:				
Purchases of treasury shares	—	(57.3)	) —	(244.0)
Dividends paid	—	(233.7)	) —	(230.6)
Excess tax benefits from share-based compensation	—	—	—	(3.1)
Third-party capital invested into CIP	299.7	299.7	141.1	141.1
Third-party capital distributed by CIP	(62.9)	) (62.9)	) (44.8)	) (44.8)
Borrowings of debt by CIP	1,459.3	1,459.3	387.3	387.3
Repayments of debt by CIP	(1,957.1)	(1,957.1)	) (75.9)	) (75.9)
Net borrowings/(repayments) under credit facility	—	(28.7)	) —	—
Payment of contingent consideration	—	(7.2)	) —	(6.2)
Net cash provided by/(used in) financing activities	(261.0)	) (587.9)	) 407.7	(76.2)

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Increase/(decrease) in cash and cash equivalents	—	262.0	—	(345.4)
Foreign exchange movement on cash and cash equivalents	—	56.1	—	(59.8)
Cash and cash equivalents, beginning of period	—	1,328.0	—	1,851.4
Cash and cash equivalents, end of period	—	1,646.1	—	1,446.2

Operating Activities

Operating cash flows include the receipt of investment management and other fees generated from AUM, offset by operating expenses and changes in operating assets and liabilities. Although some receipts and payments are seasonal, particularly bonus payments, in general, after allowing for the change in cash held by CIP, and trading investment activities, our operating cash flows move in the same direction as our operating income.

During the six months ended June 30, 2017, cash provided by operating activities increased \$568.0 million to \$781.6 million from \$213.6 million used during the six months ended June 30, 2016. As shown in the tables above, the impact of CIP to cash provided by operating activities was \$212.5 million of cash provided during the six months ended June 30, 2017 compared to \$109.8 million of cash used during the six months ended June 30, 2016. Excluding the impact of CIP, cash provided by operations was \$569.1 million during the six months ended June 30, 2017 compared to \$323.4 million of cash provided by operating activities during the six months ended June 30, 2016.

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The changes in operating assets and liabilities also impact the link between cash provided by operations and net income. Excluding the impact of CIP, the changes in operating assets and liabilities generated \$36.3 million of cash in the six months ended June 30, 2017, as compared to utilizing \$207.4 million in the same period in 2016, increasing cash provided by operating activities by a net \$243.7 million. The increase in cash included a \$172.2 million increase in cash related to net purchases and sales of trading investments, and \$50.3 million reduction in payroll payments related to annual staff bonuses, related payroll taxes, payroll taxes on annual share award vestings, and annual retirement plan contributions. The company pays the annual cash bonuses and vests deferred compensation awards in the first quarter of each year. There were no significant non-cash items that impacted the comparison between the periods of operating income to net cash provided by operations.

Investing Activities

Net cash provided by investing activities totaled \$68.3 million for the six months ended June 30, 2017 (six months ended June 30, 2016: net cash used of \$482.8 million). As shown in the tables above, the impact of CIP on investing activities, including investment purchases, sales and returns of capital, was \$48.5 million provided (six months ended June 30, 2016: \$297.9 million used). Excluding the impact of CIP cash flows, net cash provided by investing activities was \$19.8 million (six months ended June 30, 2016: net cash used of \$184.9 million).

For the six months ended June 30, 2017, excluding the impact of CIP, cash outflows include purchases of investments of available-for-sale and other investments of \$149.4 million (six months ended June 30, 2016: \$87.5 million). These outflows were partially offset by collected proceeds of \$229.1 million from sales and returns of capital of available-for-sale and other investments (six months ended June 30, 2016: \$89.8 million). Cash outflows from the six months ended June 30, 2016 also included \$121.9 million related to a business purchase.

During the six months ended June 30, 2017, the company had capital expenditures of \$59.9 million (six months ended June 30, 2016: \$65.3 million). Our capital expenditures related principally in each period to technology initiatives, including enhancements to platforms from which we maintain our portfolio management systems, improvements in computer hardware and software desktop products for employees, new telecommunications products to enhance our internal information flow, and back-up business recovery systems. Also, in each period, a portion of these costs related to improvements made to the various buildings and workspaces used in our offices. These projects have been funded with proceeds from our operating cash flows.

Financing Activities

Net cash used in financing activities totaled \$587.9 million for the six months ended June 30, 2017 (six months ended June 30, 2016: net cash used of \$76.2 million). As shown in the tables above, the impact of CIP on financing activities used cash of \$261.0 million (six months ended June 30, 2016: cash provided of \$407.7 million). Excluding the impact of CIP, financing activities used cash of \$326.9 million in the six months ended June 30, 2017 (six months ended June 30, 2016: cash used of \$483.9 million).

Financing cash outflows during the six months ended June 30, 2017 included \$233.7 million of dividend payments for the dividends declared in January and April (six months ended June 30, 2016: dividends paid of \$230.6 million), the payment of \$57.3 million to meet employees' withholding tax obligations on share vestings (six months ended June 30, 2016: \$39.0 million), a repayment of the credit facility of \$28.7 million and a payment of \$7.2 million of contingent consideration (six months ended June 30, 2016: \$6.2 million). Financing cash outflows during the six months ended June 30, 2016 also included the purchase of shares through market transactions totaling \$205.0 million and excess tax benefits from share-based compensation of \$3.1 million.

There were no non-CIP related financing cash inflows for the six months ended June 30, 2017 and 2016.

Dividends

Invesco declares and pays dividends on a quarterly basis in arrears. On July 27, 2017, the company announced a second quarter 2017 cash dividend of 29.0 cents per share to holders of common shares, which will be paid on September 1, 2017, to shareholders of record as of August 17, 2017 with an ex-dividend date of August 15, 2017.

The declaration, payment and amount of any future dividends will be declared by our board of directors and will depend upon, among other factors, our earnings, financial condition and capital requirements at the time such declaration and payment are considered. The board has a policy of managing dividends in a prudent fashion, with due consideration given to profit levels, overall debt levels, and historical dividend payouts.

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Share Repurchase Plan

The company did not purchase shares in the open market during the three and six months ended June 30, 2017, (three and six months ended June 30, 2016: 7.4 million and 11.7 million shares at a cost of \$200.0 million and \$325.0 million, respectively). The company did withhold an aggregate of 0.1 million and 1.7 million shares on vesting events during the three and six months ended June 30, 2017, respectively to meet employees' withholding tax obligations (three and six months ended June 30, 2016: 0.1 million and 1.4 million shares, respectively). The fair value of these shares withheld at the respective withholding dates was \$3.1 million and \$57.3 million during the three and six months ended June 30, 2017 (three and six months ended June 30, 2016: \$1.3 million and \$39.0 million). At June 30, 2017, approximately \$1,643.0 million remains available under the share repurchase authorizations approved by the Board on October 11, 2013 and July 22, 2016.

Long-term debt

Our long-term debt at June 30, 2017 was \$2,074.8 million (December 31, 2016: \$2,102.4 million) and was comprised of the following:

\$ in millions	June 30, December 31,	
	2017	2016
Floating rate credit facility expiring August 7, 2020	—	28.7
Unsecured Senior Notes:		
\$600 million 3.125% - due November 30, 2022	596.6	596.3
\$600 million 4.000% - due January 30, 2024	593.6	593.2
\$500 million 3.750% - due January 15, 2026	494.8	494.5
\$400 million 5.375% - due November 30, 2043	389.8	389.7
Long-term debt	2,074.8	2,102.4

For the six months ended June 30, 2017, the company's weighted average cost of debt was 3.93% (six months ended June 30, 2016: 3.95%).

The company's \$1.25 billion unsecured credit facility is scheduled to expire on August 7, 2020. Financial covenants under the credit agreement include: (i) the quarterly maintenance of a debt/EBITDA leverage ratio, as defined in the credit agreement, of not greater than 3.25:1.00, (ii) a coverage ratio (EBITDA, as defined in the credit agreement/interest payable for the four consecutive fiscal quarters ended before the date of determination) of not less than 4.00:1.00. As of June 30, 2017, we were in compliance with our financial covenants. At June 30, 2017, our leverage ratio was 1.29:1.00 (December 31, 2016: 1.35:1.00), and our interest coverage ratio was 17.02:1.00 (December 31, 2016: 16.69:1.00).

The June 30, 2017 coverage ratio calculations are as follows:

\$ millions	Total	Q2 2017	Q1 2017	Q4 2016	Q3 2016
Net income attributable to Invesco Ltd.	919.3	239.6	212.0	226.5	241.2
Impact of CIP on net income attributable to Invesco Ltd.	(6.2)	) 2.9	(5.7)	) (0.2)	) (3.2)
Tax expense	351.0	92.6	75.7	92.9	89.8
Amortization/depreciation/impairment	103.8	26.2	26.3	25.7	25.6
Interest expense	95.0	23.6	24.0	23.5	23.9
Share-based compensation expense	173.1	43.3	49.2	41.3	39.3
Unrealized gains and losses from investments, net*	(18.7)	) 1.8	(7.1)	) (1.6)	) (11.8)
EBITDA**	1,617.3	430.0	374.4	408.1	404.8
Adjusted debt**	\$2,085.1				
Leverage ratio (Debt/EBITDA - maximum 3.25:1.00)	1.29				
Interest coverage (EBITDA/Interest Expense - minimum 4.00:1.00)	17.02				

Adjustments for unrealized gains and losses from investments, as defined in our credit facility, may also include
* non-cash gains and losses on investments to the extent that they do not represent anticipated future cash receipts or expenditures.

EBITDA and Adjusted debt are non-GAAP financial measures; however management does not use these measures
** for anything other than these debt covenant calculations. The calculation of EBITDA above (a reconciliation from net income attributable to Invesco Ltd.) is defined by our credit agreement, and therefore net income attributable to Invesco Ltd. is the

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most appropriate GAAP measure from which to reconcile to EBITDA. The calculation of Adjusted debt is defined in our credit facility and equals total debt of \$2,074.8 million plus \$10.3 million in letters of credit.

Credit and Liquidity Risk

Capital management involves the management of the company's liquidity and cash flows. The company manages its capital by reviewing annual and projected cash flow forecasts and by monitoring credit, liquidity and market risks, such as interest rate and foreign currency risks (as discussed in Part I, Item 3, "Quantitative and Qualitative Disclosures About Market Risk"), through measurement and analysis. The company is primarily exposed to credit risk through its cash and cash equivalent deposits, which are held by external firms. The company invests its cash balances in its own institutional money market products, as well as with external high credit-quality financial institutions. These arrangements create exposure to concentrations of credit risk.

Credit Risk

Credit risk is the risk that one party to a financial instrument will cause a financial loss for the other party by failing to discharge an obligation. All cash and cash equivalent balances are subject to credit risk, as they represent deposits made by the company with external banks and other institutions. As of June 30, 2017, our maximum exposure to credit risk related to our cash and cash equivalent balances is \$1,646.1 million. See Item 1, Financial Statements - Note 13, "Related Parties," for information regarding cash and cash equivalents invested in affiliated money market funds.

The company does not utilize credit derivatives or similar instruments to mitigate the maximum exposure to credit risk. The company does not expect any counterparties to its financial instruments to fail to meet their obligations.

Liquidity Risk

Liquidity risk is the risk that the company will encounter difficulty in meeting obligations associated with its financial liabilities. The company is exposed to liquidity risk through its \$2,074.8 million in long-term debt. The company actively manages liquidity risk by preparing cash flow forecasts for future periods, reviewing them regularly with senior management, maintaining a committed credit facility, scheduling significant gaps between major debt maturities and engaging external financing sources in regular dialog.

Effects of Inflation

Inflation can impact our organization primarily in two ways. First, inflationary pressures can result in increases in our cost structure, especially to the extent that large expense components such as compensation are impacted. To the degree that these expense increases are not recoverable or cannot be counterbalanced through pricing increases due to the competitive environment, our profitability could be negatively impacted. Secondly, the value of the assets that we manage may be negatively impacted when inflationary expectations result in a rising interest rate environment. Declines in the values of these AUM could lead to reduced revenues as management fees are generally calculated based upon the size of AUM.

Off Balance Sheet Commitments

See Part I, Item 1, Financial Statements - Note 11, "Commitments and Contingencies - Off Balance Sheet Commitments," for more information regarding undrawn capital commitments.

Contractual Obligations

We have future obligations under various contracts relating to debt and interest payments, financing and operating leases, long-term defined benefit pension and acquisition contracts. During the six months ended June 30, 2017, there were no material changes to the company's contractual obligations.

Critical Accounting Policies and Estimates

There have been no significant changes to the accounting policies that we believe are the most critical to an understanding of our results of operations and financial condition, which are disclosed in our most recent Form 10-K for the year ended December 31, 2016.

Recent Accounting Standards

See Part I, Item 1, Financial Statements - Note 1, “Accounting Policies - Accounting Pronouncements Recently Adopted and Pending Accounting Pronouncements.”

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Item 3. Quantitative and Qualitative Disclosures About Market Risk

In the normal course of its business, the company is primarily exposed to market risk in the form of AUM market price risk, securities market risk, interest rate risk, and foreign exchange rate risk. There have not been any material changes to the company's exposures to market risks during the period ended June 30, 2017 that would require an update to the disclosures provided in the most recent Form 10-K.

AUM Market Price Risk

The company's investment management revenues are comprised of fees based on the value of AUM. Declines in the market prices of equity and fixed income securities, commodities and derivatives, or other similar financial instruments held in client portfolios could cause revenues to decline because of lower investment management fees by:

- Causing the value of AUM to decrease.
- Causing the returns realized on AUM to decrease (impacting performance fees).
- Causing clients to withdraw funds in favor of investments in markets that they perceive to offer greater opportunity and that the company does not serve.
- Causing clients to rebalance assets away from investments that the company manages into investments that the company does not manage.
- Causing clients to reallocate assets away from products that earn higher revenues into products that earn lower revenues.

Underperformance of client accounts relative to competing products could exacerbate these factors.

Securities Market Risk

The company has investments in managed investment products that invest in a variety of asset classes. Investments are generally made to establish a track record for a new fund or investment vehicle or to hedge economically exposure to certain deferred compensation plans. The company's exposure to market risk from financial instruments measured at fair value arises from its investments.

Interest Rate Risk

Interest rate risk relates to the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in market interest rates. The company is exposed to interest rate risk primarily through its external debt and cash and cash equivalent investments. On June 30, 2017, the interest rates on 100.0% of the company's borrowings were fixed for a weighted average period of 10.5 years, and the company had a zero balance on its floating rate credit facility.

Foreign Exchange Rate Risk

The company has certain investments in foreign operations, whose net assets and results of operations are exposed to foreign currency translation risk when translated into U.S. Dollars upon consolidation into Invesco Ltd. During the second quarter the company extended its hedge of approximately 75% of the Pound Sterling-based operating income through December 31, 2018. These new put option contracts are set at a strike level of \$1.250 based on the average daily foreign exchange rates for the applicable time period. See Part I, Item 1, Financial Statements - Note 2, "Fair Value of Assets and Liabilities," for additional details.

The company is exposed to foreign exchange revaluation into the Condensed Consolidated Statements of Income on monetary assets and liabilities that are held by subsidiaries in different functional currencies than the subsidiaries' functional currencies. Net foreign exchange revaluation gains were \$0.3 million in the six months ended June 30, 2017 (six months ended June 30, 2016: \$6.5 million loss), and are included in general and administrative expenses and other gains and losses, net on the Condensed Consolidated Statements of Income. We continue to monitor our exposure to foreign exchange revaluation and have put in place net investment hedge structures discussed in Part I, Item 1, Financial Statements, Note 6 -- "Other Comprehensive Income/(Loss)."

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Item 4. Controls and Procedures

Our management is responsible for establishing and maintaining disclosure controls and procedures that are designed to ensure that information the company is required to disclose in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Securities and Exchange Commission's rules and forms. Disclosure controls and procedures include controls and procedures designed to ensure that information required to be disclosed in the reports that the company files or submits under the Exchange Act is accumulated and communicated to the company's management, including its principal executive and principal financial officers, as appropriate, to allow timely decisions regarding required disclosure.

We have evaluated, with the participation of our chief executive officer and chief financial officer, the effectiveness of our disclosure controls and procedures as of June 30, 2017. There are inherent limitations to the effectiveness of any system of disclosure controls and procedures, including the possibility of human error and the circumvention or overriding of the controls and procedures. Accordingly, even effective disclosure controls and procedures can only provide reasonable assurance of achieving their control objectives. Based upon our evaluation, our chief executive officer and chief financial officer concluded that our disclosure controls and procedures were effective to provide reasonable assurance that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the applicable rules and forms, and that it is accumulated and communicated to our management, including our chief executive officer and chief financial officer, as appropriate to allow timely decisions regarding required disclosure.

We have evaluated any change in our internal control over financial reporting that occurred during the three months ended June 30, 2017 and have concluded that there was no change that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

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PART II. OTHER INFORMATION

Item 1. Legal Proceedings

See Part I, Item I, Note 11, "Commitments and Contingencies - Legal Proceedings," for information regarding legal proceedings.

Item 1A. Risk Factors

The company has had no significant changes in its risk factors from those previously disclosed in its Annual Report on Form 10-K for the year ended December 31, 2016.

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

Repurchases of Equity Securities

The following table sets forth information regarding purchases of our common shares by us and any affiliated purchases during the three months ended June 30, 2017:

Month	Total Number of Shares Purchased ⁽¹⁾	Average Price Paid Per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs ⁽²⁾	Maximum Number at end of period (or Approximate Dollar Value) of Shares that May Yet Be Purchased Under the Plans or Programs ⁽²⁾ (millions)
April 1-30, 2017	34,104	\$ 30.94	—	\$1,643.0
May 1-31, 2017	5,295	\$ 31.90	—	\$1,643.0
June 1-30, 2017	56,222	\$ 32.92	—	\$1,643.0
Total	95,621		—	

(1) An aggregate of 95,621 shares were surrendered to us by Invesco employees to satisfy tax withholding obligations in connection with the vesting of equity awards.

(2) At June 30, 2017, a balance of \$1,643.0 million remains available under the share repurchase authorizations approved by the Board on October 11, 2013 and July 22, 2016.

Item 6. Exhibits

Exhibit Index

- Memorandum of Association of Invesco Ltd., incorporating amendments up to and including December 4, 2007,
- 3.1 incorporated by reference to exhibit 3.1 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on December 12, 2007
- 3.2 Third Amended and Restated Bye-Laws of Invesco Ltd., incorporating amendments up to and including May 11, 2017
- 4.1 Specimen Certificate for Common Shares of Invesco Ltd., incorporated by reference to exhibit 4.1 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on December 12, 2007
- 4.2 Indenture, dated as of November 8, 2012, among Invesco Finance PLC, the Guarantors and The Bank of New York Mellon, as trustee, incorporated by reference to exhibit 4.1 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on November 9, 2012
- 4.3 Supplemental Indenture, dated November 8, 2012, for Invesco Finance PLC's 3.125% Senior Notes due 2022, among Invesco Finance PLC, the Guarantors and The Bank of New York Mellon, as trustee, incorporated by

reference to exhibit 4.2 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on November 9, 2012

4.4 Form of 3.125% Senior Notes due 2022 (included in Exhibit 4.3 hereto)

Second Supplemental Indenture, dated November 12, 2013, for Invesco Finance PLC's 4.000% Senior Notes due 2024, among Invesco Finance PLC, the company and The Bank of New York Mellon, as trustee, incorporated by

4.5 reference to exhibit 4.2 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on November 12, 2013

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- 4.6 Third Supplemental Indenture, dated November 12, 2013, for Invesco Finance PLC's 5.375% Senior Notes due 2043, among Invesco Finance PLC, the company and The Bank of New York Mellon, as trustee, incorporated by reference to exhibit 4.3 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on November 12, 2013
- 4.7 Fourth Supplemental Indenture, dated October 14, 2015, for Invesco Finance PLC's 3.750% Senior Notes due 2026, among Invesco Finance PLC, the company and The Bank of New York Mellon, as trustee, incorporated by reference to exhibit 4.2 to Invesco's Current Report on Form 8-K, filed with the Securities and Exchange Commission on October 14, 2015
- 4.8 Form of 4.000% Senior Notes due 2024 (included in Exhibit 4.5)
- 4.9 Form of 5.375% Senior Notes due 2043 (included in Exhibit 4.6)
- 4.10 Form of 3.750% Senior Notes due 2026 (included in Exhibit 4.7)
- 10.1 Third Amended and Restated Credit Agreement, dated as of August 7, 2015, among Invesco Finance PLC, the company, the banks, financial institutions and other institutional lenders from time to time a party thereto and Bank of America, N.A., as administrative agent, incorporated by reference to exhibit 10.1 to Invesco's Quarterly Report on Form 10-Q for the period ended September 30, 2015, filed with the Securities and Exchange Commission on October 29, 2015
- 10.2 Invesco Ltd. 2011 Global Equity Incentive Plan, as amended and restated effective February 12, 2015, incorporated by reference to exhibit 10.5 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.3 Invesco Ltd. 2016 Global Equity Plan, incorporated by reference to Appendix A to the Proxy Statement on Schedule 14A filed with the Securities and Exchange Commission on March 24, 2016
- 10.4 Form of Restricted Stock Award Agreement - Time Vesting - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.16 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.5 Form of Restricted Stock Unit Award Agreement - Time Vesting - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.17 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.6 Form of Restricted Stock Award Agreement - Performance Vesting - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.18 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.7 Form of Restricted Stock Unit Award Agreement - Performance Vesting - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.19 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.8 Form of Restricted Stock Award Agreement - Time Vesting - with respect to Martin L. Flanagan - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.20 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.9 Form of Restricted Stock Award Agreement - Performance Vesting - with respect to Martin L. Flanagan - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.21 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.10 Form of Restricted Stock Unit Award Agreement - Time Vesting - Canada (Tranches 1-3) - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.22 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015

- 10.11 Form of Restricted Stock Unit Award Agreement - Time Vesting - Canada (Tranche 4) - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.23 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.12 Form of Restricted Stock Unit Award Agreement - Performance Vesting - Canada (Tranches 1-3) - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.24 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015
- 10.13 Form of Restricted Stock Unit Award Agreement - Performance Vesting - Canada (Tranche 4) - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.25 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2014, filed with the Securities and Exchange Commission on February 20, 2015

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10.14	<u>Form of Restricted Stock Unit Award Agreement (Feb 2016) - Performance Vesting - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.24 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2015, filed with the Securities and Exchange Commission on February 19, 2016</u>
10.15	<u>Form of Restricted Stock Unit Award Agreement (Feb 2016) - Performance Vesting - with respect to Martin L. Flanagan - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.15 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.16	<u>Form of Restricted Stock Unit Award Agreement (Feb 2016) - Performance Vesting - Canada - under the Invesco Ltd. 2011 Global Equity Incentive Plan, incorporated by reference to exhibit 10.26 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2015, filed with the Securities and Exchange Commission on February 19, 2016</u>
10.17	<u>Form of Restricted Stock Award Agreement - Time Vesting - under the Invesco Ltd. 2016 Global Equity Incentive Plan, ., incorporated by reference to exhibit 10.17 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.18	<u>Form of Restricted Stock Award Agreement - Time Vesting - with respect to Martin L. Flanagan - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.18 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.19	<u>Form of Restricted Stock Unit Award Agreement - Time Vesting - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.19 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.20	<u>Form of Restricted Stock Unit Award Agreement - Time Vesting - Canada (Tranches 1-3) - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.20 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.21	<u>Form of Restricted Stock Unit Award Agreement - Time Vesting - Canada (Tranche 4) - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.21 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.22	<u>Form of Restricted Stock Unit Award Agreement -Performance Vesting - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.22 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.23	<u>Form of Restricted Stock Unit Award Agreement -Performance Vesting - with respect to Martin L. Flanagan - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.23 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.24	<u>Form of Restricted Stock Unit Award Agreement -Performance Vesting - Canada - under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.24 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.25	

Form of Award Agreement for Non-Executive Directors under the Invesco Ltd. 2016 Global Equity Incentive Plan, incorporated by reference to exhibit 10.25 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017

- 10.26 Form of Aircraft Time Sharing Agreement incorporated by reference to exhibit 10.19 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2013, filed with the Securities and Exchange Commission on February 21, 2014
- 10.27 Invesco Ltd. Executive Incentive Bonus Plan, as amended and restated effective January 1, 2013, incorporated by reference to Appendix A to Proxy Statement on Schedule 14A filed with the Securities and Exchange Commission on April 1, 2013
- 10.28 Invesco Ltd. Amended and Restated 2005 Non-Qualified Deferred Compensation Plan, effective as of January 1, 2009, incorporated by reference to exhibit 10.8 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2008, filed with the Securities and Exchange Commission on February 27, 2009
- 10.29 Deferred Fees Share Plan, as amended and restated effective December 10, 2008, incorporated by reference to exhibit 10.13 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2008, filed with the Securities and Exchange Commission on February 27, 2009
- 10.30 Second Amended and Restated Master Employment Agreement, dated April 1, 2011, between the company and Martin L. Flanagan, incorporated by reference to exhibit 10.1 to Invesco's Quarterly Report on Form 10-Q for the quarter ended March 31, 2011, filed with the Securities and Exchange Commission on April 29, 2011
- 10.31 Global Partner Agreement, dated November 10, 2005, between AMVESCAP PLC and Loren M. Starr, incorporated by reference to exhibit 10.14 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2007, filed with the Securities and Exchange Commission on February 29, 2008

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10.32	<u>Global Partner Agreement, dated January 1, 2001, between AIM Funds Management Inc. and Philip A. Taylor, incorporated by reference to exhibit 10.15 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2007, filed with the Securities and Exchange Commission on February 29, 2008</u>
10.33	<u>Global Partners Employment Contract, dated April 1, 2000, between INVESCO Pacific Holdings Limited and Andrew Lo, incorporated by reference to exhibit 10.17 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2007, filed with the Securities and Exchange Commission on February 29, 2008</u>
10.34	<u>Senior Managing Director Agreement, between Andrew Lo and Invesco Group Services, Inc., effective as of January 1, 2010, incorporated by reference to exhibit 10.32 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2011, filed with the Securities and Exchange Commission on February 24, 2012</u>
10.35	<u>Global Partner Agreement, dated June 7, 2006, between AMVESCAP PLC and Colin D. Meadows, incorporated by reference to exhibit 10.35 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2017, filed with the Securities and Exchange Commission on February 23, 2017</u>
10.36	<u>Employment Agreement, dated October 10, 2011, between G. Mark Armour and Invesco Asset Management Australia (Holdings) Limited, incorporated by reference to exhibit 10.34 to Invesco's Annual Report on Form 10-K for the year ended December 31, 2011, filed with the Securities and Exchange Commission on February 24, 2012</u>
10.37	<u>Letter of Assignment between G. Mark Armour and Invesco Perpetual dated March 12, 2013, incorporated by reference to exhibit 10.1 to Invesco's Quarterly Report on Form 10-Q for the quarter ended March 31, 2013 filed with the Securities and Exchange Commission on April 30, 2013</u>
10.38	<u>Amendment to Letter of Assignment between G. Mark Armour and Invesco Perpetual, dated April 14, 2016, incorporated by reference to exhibit 10.1 to Invesco's Quarterly Report on Form 10-Q for the quarter ended March 31, 2016 filed with the Securities and Exchange Commission on April 28, 2016</u>
10.39	<u>Acceleration of G. Mark Armour Equity Awards, incorporated by reference to description in Invesco's Current Report on Form 8-K filed with the Securities and Exchange Commission on February 15, 2017</u>
31.1	<u>Certification of Martin L. Flanagan pursuant to Rule 13a-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002</u>
31.2	<u>Certification of Loren M. Starr pursuant to Rule 13a-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002</u>
32.1	<u>Certification of Martin L. Flanagan pursuant to Rule 13a-14(b) and 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002</u>
32.2	<u>Certification of Loren M. Starr pursuant to Rule 13a-14(b) and 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002</u>
101.INS	XBRL Instance Document
101.SCH	XBRL Taxonomy Extension Schema Document
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document
101.LAB	XBRL Taxonomy Extension Definition Linkbase Document
101.PRE	XBRL Taxonomy Extension Labels Linkbase Document
101.DEF	XBRL Taxonomy Extension Presentation Linkbase Document

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) 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.

INVESCO LTD.

July 27, 2017 /s/ MARTIN L. FLANAGAN

Martin L. Flanagan

President and Chief Executive Officer

July 27, 2017 /s/ LOREN M. STARR

Loren M. Starr

Senior Managing Director and Chief Financial Officer