GREAT-WEST LIFECO INC.

Consolidated Financial Statements

For the year 2015

GREAT-WEST LIFECO INC.

CONSOLIDATED STATEMENTS OF EARNINGS

(in Canadian $ millions except per share amounts)

	For the years ended December 31	
	2015	2014
Income		
Premium income		
Gross premiums written	**$ 28,129**	$ 24,686
Ceded premiums	**(3,628)**	(3,464)
Total net premiums	**24,501**	21,222
Net investment income (note 5)		
Regular net investment income	**6,271**	6,010
Changes in fair value through profit or loss	**(2,010)**	7,527
Total net investment income	**4,261**	13,537
Fee and other income	**5,058**	4,422
	33,820	39,181
Benefits and expenses		
Policyholder benefits		
Gross	**22,553**	19,363
Ceded	**(2,000)**	(1,928)
Total net policyholder benefits	**20,553**	17,435
Policyholder dividends and experience refunds	**1,477**	1,496
Changes in insurance and investment contract liabilities	**812**	10,229
Total paid or credited to policyholders	**22,842**	29,160
Commissions	**2,218**	2,084
Operating and administrative expenses (note 29)	**4,466**	3,741
Premium taxes	**339**	339
Financing charges (note 16)	**303**	304
Amortization of finite life intangible assets (note 11)	**146**	132
Restructuring and acquisition expenses	**35**	32
Earnings before income taxes	**3,471**	3,389
Income taxes (note 28)	**460**	628
Net earnings before non-controlling interests	**3,011**	2,761
Attributable to non-controlling interests (note 20)	**123**	93
Net earnings	**2,888**	2,668
Preferred share dividends	**126**	122
Net earnings - common shareholders	**$ 2,762**	$ 2,546
Earnings per common share (note 25)		
Basic	**$ 2.774**	$ 2.549
Diluted	**$ 2.768**	$ 2.546

GREAT-WEST LIFECO INC.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(in Canadian $ millions)

	For the years ended December 31	
	2015	2014
Net earnings	**$ 2,888**	$ 2,668
Other comprehensive income		
Items that may be reclassified subsequently to Consolidated Statements of Earnings		
Unrealized foreign exchange gains on translation of foreign operations	**2,058**	539
Unrealized foreign exchange gains (losses) on euro debt designated as hedge of the net investment in foreign operations	**(50)**	35
Income tax benefit	**9**	—
Unrealized gains (losses) on available-for-sale assets	**(20)**	313
Income tax (expense) benefit	**7**	(62)
Realized gains on available-for-sale assets	**(104)**	(52)
Income tax expense	**17**	10
Unrealized losses on cash flow hedges	**(251)**	(107)
Income tax benefit	**95**	41
Realized losses on cash flow hedges	**2**	2
Income tax benefit	**(1)**	(1)
Non-controlling interests	**(57)**	(77)
Income tax benefit	**3**	20
Total items that may be reclassified	**1,708**	661
Items that will not be reclassified to Consolidated Statements of Earnings		
Re-measurements on defined benefit pension and other post-employment benefit plans	**167**	(523)
Income tax (expense) benefit	**(32)**	130
Non-controlling interests	**(5)**	32
Income tax (expense) benefit	**2**	(8)
Total items that will not be reclassified	**132**	(369)
Total other comprehensive income	**1,840**	292
Comprehensive income	**$ 4,728**	$ 2,960

GREAT-WEST LIFECO INC.

CONSOLIDATED BALANCE SHEETS

(in Canadian $ millions)

	December 31	
	2015	2014
Assets		
Cash and cash equivalents (note 4)	**$ 2,813**	$ 2,498
Bonds (note 5)	**114,943**	103,168
Mortgage loans (note 5)	**22,021**	20,546
Stocks (note 5)	**7,873**	7,820
Investment properties (note 5)	**5,237**	4,613
Loans to policyholders	**8,694**	7,711
	161,581	146,356
Funds held by ceding insurers (note 6)	**15,512**	12,154
Goodwill (note 11)	**5,913**	5,855
Intangible assets (note 11)	**4,036**	3,625
Derivative financial instruments (note 30)	**461**	652
Owner occupied properties (note 12)	**653**	619
Fixed assets (note 12)	**298**	228
Other assets (note 13)	**2,643**	2,368
Premiums in course of collection, accounts and interest receivable	**3,553**	3,056
Reinsurance assets (note 15)	**5,131**	5,151
Current income taxes (note 28)	**69**	48
Deferred tax assets (note 28)	**1,891**	1,631
Investments on account of segregated fund policyholders (note 14)	**198,194**	174,966
Total assets	**$ 399,935**	$ 356,709
Liabilities		
Insurance contract liabilities (note 15)	**$ 158,492**	$ 145,198
Investment contract liabilities (note 15)	**2,180**	857
Debentures and other debt instruments (note 17)	**5,395**	5,355
Capital trust securities (note 18)	**161**	162
Funds held under reinsurance contracts	**356**	313
Derivative financial instruments (note 30)	**2,624**	1,195
Accounts payable	**1,755**	1,480
Other liabilities (note 19)	**3,367**	3,099
Current income taxes (note 28)	**492**	737
Deferred tax liabilities (note 28)	**1,659**	1,450
Investment and insurance contracts on account of segregated fund policyholders (note 14)	**198,194**	174,966
Total liabilities	**374,675**	334,812
Equity		
Non-controlling interests (note 20)		
Participating account surplus in subsidiaries	**2,611**	2,480
Non-controlling interests in subsidiaries	**195**	163
Shareholders' equity		
Share capital (note 21)		
Preferred shares	**2,514**	2,514
Common shares	**7,156**	7,102
Accumulated surplus	**10,431**	9,134
Accumulated other comprehensive income (note 26)	**2,218**	378
Contributed surplus	**135**	126
Total equity	**25,260**	21,897
Total liabilities and equity	**$ 399,935**	$ 356,709

Approved by the Board of Directors:

Jeffrey Orr
Director

Paul Mahon
Director

GREAT-WEST LIFECO INC.

CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(in Canadian $ millions)

	December 31, 2015					
	Share capital	**Contributed surplus**	**Accumulated surplus**	**Accumulated other comprehensive income**	**Non-controlling interests**	**Total equity**
Balance, beginning of year	**$ 9,616**	**$ 126**	**$ 9,134**	**$ 378**	**$ 2,643**	**$ 21,897**
Net earnings	**—**	**—**	**2,888**	**—**	**123**	**3,011**
Other comprehensive income	**—**	**—**	**—**	**1,840**	**57**	**1,897**
	9,616	**126**	**12,022**	**2,218**	**2,823**	**26,805**
Dividends to shareholders						
Preferred shareholders (note 21)	**—**	**—**	**(126)**	**—**	**—**	**(126)**
Common shareholders (note 25)	**—**	**—**	**(1,298)**	**—**	**—**	**(1,298)**
Shares exercised and issued under share-based payment plans (note 21)	**99**	**(49)**	**—**	**—**	**39**	**89**
Share-based payment plans expense	**—**	**58**	**—**	**—**	**—**	**58**
Equity settlement of Putnam share-based plans	**—**	**—**	**—**	**—**	**(47)**	**(47)**
Shares purchased and cancelled under Normal Course Issuer Bid (note 21)	**(221)**	**—**	**—**	**—**	**—**	**(221)**
Excess of redemption proceeds over stated capital per Normal Course Issuer Bid (note 21)	**176**	**—**	**(176)**	**—**	**—**	**—**
Dilution gain on non-controlling interests	**—**	**—**	**9**	**—**	**(9)**	**—**
Balance, end of year	**$ 9,670**	**$ 135**	**$ 10,431**	**$ 2,218**	**$ 2,806**	**$ 25,260**

	December 31, 2014					
	Share capital	Contributed surplus	Accumulated surplus	Accumulated other comprehensive income	Non-controlling interests	Total equity
Balance, beginning of year	$ 9,426	$ 57	$ 7,899	$ 86	$ 2,362	$ 19,830
Net earnings	—	—	2,668	—	93	2,761
Other comprehensive income	—	—	—	292	33	325
	9,426	57	10,567	378	2,488	22,916
Dividends to shareholders						
Preferred shareholders (note 21)	—	—	(122)	—	—	(122)
Common shareholders (note 25)	—	—	(1,228)	—	—	(1,228)
Shares exercised and issued under share-based payment plans (note 21)	10	(6)	—	—	—	4
Share-based payment plans expense	—	41	—	—	—	41
Modification to share-based plans (note 23)	—	34	—	—	211	245
Equity settlement of Putnam share-based plans	—	—	—	—	(60)	(60)
Shares purchased and cancelled under Normal Course Issuer Bid (note 21)	(95)	—	—	—	—	(95)
Excess of redemption proceeds over stated capital per Normal Course Issuer Bid (note 21)	75	—	(75)	—	—	—
Issuance of preferred shares (note 21)	200	—	—	—	—	200
Share issue costs (note 21)	—	—	(4)	—	—	(4)
Reallocation from shareholder account to participating account in London Life (note 20)	—	—	(4)	—	4	—
Balance, end of year	$ 9,616	$ 126	$ 9,134	$ 378	$ 2,643	$ 21,897

GREAT-WEST LIFECO INC.

CONSOLIDATED STATEMENTS OF CASH FLOWS

(in Canadian $ millions)

	For the years ended December 31	
	2015	2014
Operations		
Earnings before income taxes	**$ 3,471**	$ 3,389
Income taxes paid, net of refunds received	**(361)**	(490)
Adjustments:		
Change in insurance and investment contract liabilities	**(1,088)**	9,726
Change in funds held by ceding insurers	**821**	428
Change in funds held under reinsurance contracts	**28**	(34)
Change in deferred acquisition costs	**32**	41
Change in reinsurance assets	**367**	(160)
Changes in fair value through profit or loss	**2,010**	(7,527)
Other	**(157)**	70
	5,123	5,443
Financing Activities		
Issue of common shares (note 21)	**99**	10
Issue of preferred shares (note 21)	**—**	200
Share issue costs (note 21)	**—**	(4)
Purchased and cancelled common shares (note 21)	**(221)**	(95)
Decrease in line of credit of subsidiary	**(130)**	(98)
Decrease in debentures and other debt instruments	**(7)**	(348)
Dividends paid on common shares	**(1,298)**	(1,228)
Dividends paid on preferred shares	**(126)**	(122)
	(1,683)	(1,685)
Investment Activities		
Bond sales and maturities	**29,082**	26,962
Mortgage loan repayments	**2,926**	2,525
Stock sales	**2,107**	3,099
Investment property sales	**206**	98
Change in loans to policyholders	**8**	73
Business acquisitions, net of cash and cash equivalents acquired	**(4)**	(43)
Investment in bonds	**(32,015)**	(31,104)
Investment in mortgage loans	**(3,033)**	(3,543)
Investment in stocks	**(2,423)**	(2,069)
Investment in investment properties	**(278)**	(127)
	(3,424)	(4,129)
Effect of changes in exchange rates on cash and cash equivalents	**299**	78
Increase (decrease) in cash and cash equivalents	**315**	(293)
Cash and cash equivalents, beginning of year	**2,498**	2,791
Cash and cash equivalents, end of year	**$ 2,813**	$ 2,498
Supplementary cash flow information		
Interest income received	**$ 5,386**	$ 4,988
Interest paid	**$ 295**	$ 298
Dividend income received	**$ 239**	$ 246

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(in Canadian $ millions except per share amounts)

1. Corporate Information

Great-West Lifeco Inc. (Lifeco or the Company) is a publicly listed company (Toronto Stock Exchange: GWO), incorporated and domiciled in Canada. The registered address of the Company is 100 Osborne Street North, Winnipeg, Manitoba, Canada, R3C 1V3. Lifeco is a member of the Power Financial Corporation (Power Financial) group of companies and its direct parent is Power Financial.

Lifeco is a financial services holding company with interests in the life insurance, health insurance, retirement savings, investment management and reinsurance businesses, primarily in Canada, the United States and Europe through its major operating subsidiaries The Great-West Life Assurance Company (Great-West Life), London Life Insurance Company (London Life), The Canada Life Assurance Company (Canada Life), Great-West Life & Annuity Insurance Company (Great-West Financial) and Putnam Investments, LLC (Putnam).

The consolidated financial statements (financial statements) of the Company as at and for the year ended December 31, 2015 were approved by the Board of Directors on February 11, 2016.

2. Basis of Presentation and Summary of Accounting Policies

The financial statements of the Company have been prepared in compliance with International Financial Reporting Standards (IFRS), as issued by the International Accounting Standards Board (IASB). Uniform accounting policies were applied in the preparation of the Company's consolidated financial statements.

The Company adopted the narrow scope amendments to International Financial Reporting Standards (IFRS) for *Annual Improvements 2010 - 2012 Cycle, Annual Improvements 2011 - 2013 Cycle* and IAS 19 *Employee Benefits* effective January 1, 2015. The adoption of these narrow scope amendments did not have a significant impact on the Company's financial statements.

<u>Basis of Consolidation</u>
The consolidated financial statements comprise the financial statements of the Company as at and for the year ended December 31, 2015 with comparatives for December 31, 2014. Subsidiaries are fully consolidated from the date of acquisition, being the date on which the Company obtains control, and continue to be consolidated until the date that such control ceases. The Company has control when it has the power to direct the relevant activities, has significant exposure to variable returns from these activities and has the ability to use its power to affect the Company's variable returns. All intra-group balances, transactions, income and expenses and profits or losses, including dividends resulting from intra-group transactions, are eliminated on consolidation.

<u>Use of Significant Judgments, Estimates and Assumptions</u>
In preparation of these financial statements, management is required to make significant judgments, estimates and assumptions that affect the reported amounts of assets, liabilities, net earnings and related disclosures. Although some uncertainty is inherent in these judgments and estimates, management believes that the amounts recorded are reasonable. Key sources of estimation uncertainty and areas where significant judgments have been made are listed below and discussed throughout the notes to these financial statements including:

- Management uses independent qualified appraisal services, which utilize judgments and estimates. These appraisals are adjusted by applying management judgments and estimates for material changes in property cash flows, capital expenditures or general market conditions in determining the fair value of investment properties (note 5).
- In the determination of the fair value of financial instruments, the Company's management exercises judgment in the determination of fair value inputs, particularly those items categorized within level 3 of the fair value hierarchy (note 8).

- Management evaluates the synergies and future benefit for initial recognition and measurement of goodwill and intangible assets as well as testing the recoverable amounts. The determination of the carrying value and recoverable amounts of the cash generating unit groupings for goodwill and intangible assets relies upon the determination of fair value using valuation methodologies (note 11).
- Cash generating units for goodwill and indefinite life intangible assets have been determined by management as the lowest level that the goodwill is monitored for internal reporting purposes, which requires management judgment in the determination of the lowest level of monitoring (note 11).
- Judgments are used by management in determining whether deferred acquisition costs and deferred income reserves can be recognized on the Consolidated Balance Sheets. Deferred acquisition costs are recognized if management determines the costs meet the definition of an asset and are incremental and related to the issuance of the investment contract. Deferred income reserves are amortized on a straight-line basis over the term of the policy (notes 13 and 19).
- The actuarial assumptions, such as policyholder behaviour, mortality and morbidity of policyholders, used in the valuation of insurance and certain investment contract liabilities under the Canadian Asset Liability Method require significant judgment and estimation (note 15).
- The actuarial assumptions used in determining the expense and benefit obligations for the Company's defined benefit pension plans and other post-employment benefits requires significant judgment and estimation. Management reviews previous experience of its plan members and market conditions including interest rates and inflation rates in evaluating the assumptions used in determining the expense for the current year (note 24).
- The Company operates within various tax jurisdictions where significant management judgments and estimates are required when interpreting the relevant tax laws, regulations and legislation in the determination of the Company's tax provisions and the carrying amounts of its tax assets and liabilities (note 28).
- Legal and other provisions are recognized resulting from a past event which, in the judgment of management, has resulted in a probable outflow of economic resources which would be passed to a third-party to settle the obligation. Management uses judgment to evaluate the possible outcomes and risks in determining the best estimate of the provision at the balance sheet date (note 31).
- The operating segments of the Company, which are the segments reviewed by the Company's Chief Executive Officer to assess performance and allocate resources within the Company, are aligned with the Company's geographic operations. Management applies judgment in the aggregation of the business units into the Company's operating segments (note 33).
- Management uses judgment to evaluate the classification of insurance and reinsurance contracts to determine whether these arrangements should be accounted for as insurance, investment or service contracts.
- Management consolidates all subsidiaries and entities which it is determined that the Company controls. Control is evaluated on the ability of the Company to direct the activities of the subsidiary or entity to derive variable returns and management uses judgment in determining whether control exists. Judgment is exercised in the evaluation of the variable returns and in determining the extent to which the Company has the ability to exercise its power to generate variable returns.
- Management uses judgments, such as the determination of the risks and benefits associated with the transaction that are used in determining whether the Company retains the primary obligation with a client in sub-advisor arrangements. Where the Company retains the risks and benefits, revenue and expenses are recorded on a gross basis.
- Within the Consolidated Statements of Cash Flows, purchases and sales of portfolio investments are recorded within investment activities due to the long-term nature of these investing activities.

- The results of the Company reflect management's judgments regarding the impact of prevailing global credit, equity and foreign exchange market conditions. The provision for future credit losses within the Company's insurance contract liabilities relies upon investment credit ratings. The Company's practice is to use third-party independent credit ratings where available. Management judgment is required when setting credit ratings for instruments that do not have a third-party rating.

The significant accounting policies are as follows:

(a) Portfolio Investments

Portfolio investments include bonds, mortgage loans, stocks and investment properties. Portfolio investments are classified as fair value through profit or loss, available-for-sale, held-to-maturity, loans and receivables or as non-financial instruments based on management's intention relating to the purpose and nature of the instrument or characteristics of the investment. The Company has not classified any investments as held-to-maturity.

Investments in bonds and stocks normally actively traded on a public market are either designated or classified as fair value through profit or loss or classified as available-for-sale on a trade date basis. A financial asset is designated as fair value through profit or loss on initial recognition if it eliminates or significantly reduces an accounting mismatch. Changes in the fair value of financial assets designated as fair value through profit or loss are generally offset by changes in insurance contract liabilities, since the measurement of insurance contract liabilities is determined with reference to the assets supporting the liabilities. A financial asset is classified as fair value through profit or loss on initial recognition if it is part of a portfolio that is actively traded for the purpose of earning investment income. Fair value through profit or loss investments are recognized at fair value on the Consolidated Balance Sheets with realized and unrealized gains and losses reported in the Consolidated Statements of Earnings. Available-for-sale investments are recognized at fair value on the Consolidated Balance Sheets with unrealized gains and losses recorded in other comprehensive income. Realized gains and losses are reclassified from other comprehensive income and recorded in the Consolidated Statements of Earnings when the available-for-sale investment is sold. Interest income earned on both fair value through profit or loss and available-for-sale bonds is recorded as net investment income in the Consolidated Statements of Earnings.

Investments in equity instruments where a fair value cannot be measured reliably are classified as available-for-sale, carried at cost and fair value disclosure is not applicable. Investments in stocks for which the Company exerts significant influence over but does not control are accounted for using the equity method of accounting. Investments in stocks over which the Company exerts significant influence but does not control include the Company's investment in an affiliated company, IGM Financial Inc. (IGM), a member of the Power Financial group of companies, and Allianz Ireland, an unlisted general insurance company operating in Ireland. The investments are accounted for using the equity method of accounting.

Investments in mortgages and bonds not normally actively traded on a public market are classified as loans and receivables and are carried at amortized cost net of any allowance for credit losses. Interest income earned and realized gains and losses on the sale of investments classified as loans and receivables are recorded in the Consolidated Statements of Earnings and included in net investment income.

Investment properties are real estate held to earn rental income or for capital appreciation. Investment properties are initially measured at cost and subsequently carried at fair value on the Consolidated Balance Sheets. All changes in fair value are recorded as net investment income in the Consolidated Statements of Earnings. Properties held to earn rental income or for capital appreciation that have an insignificant portion that is owner occupied or where there is no intent to occupy on a long-term basis are classified as investment properties. Properties that do not meet these criteria are classified as owner occupied properties. Property that is leased that would otherwise be classified as investment property if owned by the Company is also included within investment properties.

Fair Value Measurement

Financial instrument carrying values necessarily reflect the prevailing market liquidity and the liquidity premiums embedded within the market pricing methods that the Company relies upon.

Fair value movement on the assets supporting insurance contract liabilities is a major factor in the movement of insurance contract liabilities. Changes in the fair value of bonds designated or classified as fair value through profit or loss that support insurance and investment contract liabilities are largely offset by corresponding changes in the fair value of liabilities except when the bond has been deemed impaired.

The following is a description of the methodologies used to value instruments carried at fair value:

Bonds - Fair Value Through Profit or Loss and Available-for-Sale

Fair values for bonds classified as fair value through profit or loss or available-for-sale are determined with reference to quoted market bid prices primarily provided by third-party independent pricing sources. Where prices are not quoted in a normally active market, fair values are determined by valuation models. The Company maximizes the use of observable inputs when measuring fair value. The Company obtains quoted prices in active markets, when available, for identical assets at the balance sheet date to measure bonds at fair value in its fair value through profit or loss and available-for-sale portfolios.

The Company estimates the fair value of bonds not traded in active markets by referring to actively traded securities with similar attributes, dealer quotations, matrix pricing methodology, discounted cash flow analyses and/or internal valuation models. This methodology considers such factors as the issuer's industry, the security's rating, term, coupon rate and position in the capital structure of the issuer, as well as, yield curves, credit curves, prepayment rates and other relevant factors. For bonds that are not traded in active markets, valuations are adjusted to reflect illiquidity, and such adjustments generally are based on available market evidence. In the absence of such evidence, management's best estimate is used.

Bonds and Mortgages - Loans and Receivables

For disclosure purposes only, fair values for bonds and mortgages classified as loans and receivables are determined by discounting expected future cash flows using current market rates. Valuation inputs typically include benchmark yields and risk-adjusted spreads based on current lending activities and market activity.

Stocks - Fair Value Through Profit or Loss and Available-for-Sale

Fair values for public stocks are generally determined by the last bid price for the security from the exchange where it is principally traded. Fair values for stocks for which there is no active market are determined by discounting expected future cash flows. The Company maximizes the use of observable inputs when measuring fair value. The Company obtains quoted prices in active markets, when available, for identical assets at the balance sheet date to measure stocks at fair value in its fair value through profit or loss and available-for-sale portfolios.

Investment Properties

Fair values for investment properties are determined using independent qualified appraisal services and include management adjustments for material changes in property cash flows, capital expenditures or general market conditions in the interim period between appraisals. The determination of the fair value of investment property requires the use of estimates including future cash flows (such as future leasing assumptions, rental rates, capital and operating expenditures) and discount, reversionary and overall capitalization rates applicable to the asset based on current market conditions. Investment property under construction is valued at fair value if such values can be reliably determined; otherwise they are recorded at cost.

Impairment

Investments are reviewed regularly on an individual basis to determine impairment status. The Company considers various factors in the impairment evaluation process, including, but not limited to, the financial condition of the issuer, specific adverse conditions affecting an industry or region, decline in fair value not related to interest rates, bankruptcy or defaults, and delinquency in payments of interest or principal.

Investments are deemed to be impaired when there is objective evidence that timely collection of future cash flows can no longer be reliably estimated. The fair value of an investment is not a definitive indicator of impairment, as it may be significantly influenced by other factors including the remaining term to maturity and liquidity of the asset; however, market price is taken into consideration when evaluating impairment.

For impaired mortgages and bonds classified as loans and receivables, provisions are established or write-offs made to adjust the carrying value to the net realizable amount. Wherever possible the fair value of collateral underlying the loans or observable market price is used to establish net realizable value. For impaired available-for-sale bonds, recorded at fair value, the accumulated loss recorded in accumulated other comprehensive income is reclassified to net investment income. Impairments on available-for-sale debt instruments are reversed if there is objective evidence that a permanent recovery has occurred. All gains and losses on bonds classified or designated as fair value through profit or loss are already recorded in net investment income; therefore a reduction due to impairment of these assets will be recorded in net investment income. As well, when determined to be impaired, interest is no longer accrued and previous interest accruals are reversed.

Securities Lending

The Company engages in securities lending through its securities custodians as lending agents. Loaned securities are not derecognized, and continue to be reported within invested assets, as the Company retains substantial risks and rewards and economic benefits related to the loaned securities.

(b) Transaction Costs

Transaction costs are expensed as incurred for financial instruments classified as fair value through profit or loss. Transaction costs for financial assets classified as available-for-sale or loans and receivables are added to the value of the instrument at acquisition and taken into net earnings using the effective interest rate method. Transaction costs for financial liabilities classified as other than fair value through profit or loss are included in the value of the instrument issued and taken into net earnings using the effective interest rate method.

(c) Cash and Cash Equivalents

Cash and cash equivalents comprise cash, current operating accounts, overnight bank and term deposits with maturities of three months or less held for the purpose of meeting short-term cash requirements. Net payments in transit and overdraft bank balances are included in other liabilities. The carrying value of cash and cash equivalents approximates their fair value.

(d) Trading Account Assets

Trading account assets consist of investments in sponsored funds, open ended investment companies and sponsored unit-trusts in Europe, which are carried at fair value based on the net asset value of these funds. Investments in these assets are included in other assets on the Consolidated Balance Sheets with realized and unrealized gains and losses reported in the Consolidated Statements of Earnings.

(e) Debentures and Other Debt Instruments and Capital Trust Securities

Debentures and other debt instruments and capital trust securities are initially recorded on the Consolidated Balance Sheets at fair value and subsequently carried at amortized cost using the effective interest rate method with amortization expense recorded in financing charges in the Consolidated Statements of Earnings. These liabilities are derecognized when the obligation is cancelled or redeemed.

(f) Other Assets and Other Liabilities

Other assets, which include prepaid expenses, deferred acquisition costs and miscellaneous other assets, are measured at amortized cost. Other liabilities, which include, deferred income reserves and bank overdraft, are measured at amortized cost. Pension and other post-employment benefits also included within other assets and other liabilities are measured in accordance with IAS 19, *Employee Benefits.*

(g) Derivative Financial Instruments

The Company uses derivative products as risk management instruments to hedge or manage asset, liability and capital positions, including revenues. The Company's policy guidelines prohibit the use of derivative instruments for speculative trading purposes.

The Company includes disclosure of the maximum credit risk, future credit exposure, credit risk equivalent and risk weighted equivalent in note 30 as prescribed by the Office of the Superintendent of Financial Institutions Canada.

All derivatives including those that are embedded in financial and non-financial contracts that are not closely related to the host contracts are recorded at fair value on the Consolidated Balance Sheets. The method of recognizing unrealized and realized fair value gains and losses depends on whether the derivatives are designated as hedging instruments. For derivatives that are not designated as hedging instruments, unrealized and realized gains and losses are recorded in net investment income on the Consolidated Statements of Earnings. For derivatives designated as hedging instruments, unrealized and realized gains and losses are recognized according to the nature of the hedged item.

Derivatives are valued using market transactions and other market evidence whenever possible, including market based inputs to models, broker or dealer quotations or alternative pricing sources with reasonable levels of price transparency. When models are used, the selection of a particular model to value a derivative depends on the contractual terms of, and specific risks inherent in, the instrument, as well as the availability of pricing information in the market. The Company generally uses similar models to value similar instruments. Valuation models require a variety of inputs, including contractual terms, market prices and rates, yield curves, credit curves, measures of volatility, prepayment rates and correlations of such inputs.

To qualify for hedge accounting, the relationship between the hedged item and the hedging instrument must meet several strict conditions on documentation, probability of occurrence, hedge effectiveness and reliability of measurement. If these conditions are not met, the relationship does not qualify for hedge accounting treatment and both the hedged item and the hedging instrument are reported independently as if there was no hedging relationship.

Where a hedging relationship exists, the Company documents all relationships between hedging instruments and hedged items, as well as its risk management objectives and strategy for undertaking various hedge transactions. This process includes linking derivatives that are used in hedging transactions to specific assets and liabilities on the Consolidated Balance Sheets or to specific firm commitments or forecasted transactions. The Company also assesses, both at the hedge's inception and on an ongoing basis, whether derivatives that are used in hedging transactions are effective in offsetting changes in fair values or cash flows of hedged items. Hedge effectiveness is reviewed quarterly through correlation testing. Hedge accounting is discontinued when the hedging no longer qualifies for hedge accounting.

<u>Derivatives not designated as hedges for accounting purposes</u>
For derivative investments not designated as accounting hedges, changes in fair value are recorded in net investment income.

Fair value hedges
For fair value hedges, changes in fair value of both the hedging instrument and the hedged risk are recorded in net investment income and consequently any ineffective portion of the hedge is recorded immediately in net investment income.

The Company currently uses interest rate swaps designated as fair value hedges.

Cash flow hedges
For cash flow hedges, the effective portion of the changes in fair value of the hedging instrument is recorded in the same manner as the hedged item in other comprehensive income while the ineffective portion is recognized immediately in net investment income. Gains and losses that accumulate in other comprehensive income are recorded in net investment income in the same period the hedged item affects net earnings. Gains and losses on cash flow hedges are immediately reclassified from other comprehensive income to net investment income if and when it is probable that a forecasted transaction is no longer expected to occur.

The Company currently uses interest rate swaps and cross-currency swaps designated as cash flow hedges.

Net investment hedges
For net investment hedges the effective portion of changes in the fair value of the hedging instrument are recorded in other comprehensive income while the ineffective portion is recognized immediately in net investment income. The unrealized foreign exchange gains (losses) on the instruments are recorded within accumulated other comprehensive income and will be reclassified into net earnings when the instruments are derecognized.

The Company currently has instruments designated as net investment hedges.

(h) Embedded Derivatives

An embedded derivative is a component of a host contract that modifies the cash flows of the host contract in a manner similar to a derivative, according to a specified interest rate, financial instrument price, foreign exchange rate, underlying index or other variable. Embedded derivatives are treated as separate contracts and are recorded at fair value if their economic characteristics and risks are not closely related to those of the host contract and the host contract is not itself recorded at fair value through the Consolidated Statements of Earnings. Embedded derivatives that meet the definition of an insurance contract are accounted for and measured as an insurance contract.

(i) Foreign Currency Translation

The Company operates with multiple functional currencies. The Company's consolidated financial statements are presented in Canadian dollars as this presentation is most meaningful to financial statement users. For those subsidiaries with different functional currencies, exchange rate differences arising from the translation of monetary items that form part of the net investment in the foreign operation are recorded in unrealized foreign exchange gains (losses) on translation of foreign operations in other comprehensive income.

For the purpose of presenting consolidated financial statements, assets and liabilities are translated into Canadian dollars at the rate of exchange prevailing at the balance sheet dates and all income and expense items are translated at an average of daily rates. Unrealized foreign currency translation gains and losses on translation of the Company's net investment in its foreign operations are presented separately as a component of other comprehensive income. Unrealized gains and losses will be recognized proportionately in net investment income on the Consolidated Statements of Earnings when there has been a disposal of the investment in the foreign operations.

Foreign currency translation gains and losses on foreign currency transactions of the Company are included in net investment income.

(j) Loans to Policyholders

Loans to policyholders are classified as loans and receivables and measured at amortized cost. Loans to policyholders are shown at their unpaid principal balance and are fully secured by the cash surrender values of the policies. Carrying value of loans to policyholders approximates their fair value.

(k) Reinsurance Contracts

The Company, in the normal course of business, is a user of reinsurance in order to limit the potential for losses arising from certain exposures and a provider of reinsurance. Assumed reinsurance refers to the acceptance of certain insurance risks by the Company underwritten by another company. Ceded reinsurance refers to the transfer of insurance risk, along with the respective premiums, to one or more reinsurers who will share the risks. To the extent that assuming reinsurers are unable to meet their obligations, the Company remains liable to its policyholders for the portion reinsured. Consequently, allowances are made for reinsurance contracts which are deemed uncollectible.

Reinsurance contracts are insurance contracts and undergo the classification as described within the Insurance and Investment Contract Liabilities section of this note. Assumed reinsurance premiums, commissions and claim settlements, as well as the reinsurance assets associated with insurance and investment contracts, are accounted for in accordance with the terms and conditions of the underlying reinsurance contract. Reinsurance assets are reviewed for impairment on a regular basis for any events that may trigger impairment. The Company considers various factors in the impairment evaluation process, including but not limited to, collectability of amounts due under the terms of the contract. The carrying amount of a reinsurance asset is adjusted through an allowance account with any impairment loss being recorded in the Consolidated Statements of Earnings.

Any gains or losses on buying reinsurance are recognized in the Consolidated Statements of Earnings immediately at the date of purchase in accordance with the Canadian Asset Liability Method.

Assets and liabilities related to reinsurance are reported on a gross basis in the Consolidated Balance Sheets. The amount of liabilities ceded to reinsurers is estimated in a manner consistent with the claim liability associated with reinsured risks.

(l) Funds Held by Ceding Insurers/Funds Held Under Reinsurance Contracts

On the asset side, funds held by ceding insurers are assets that would normally be paid to the Company but are withheld by the cedant to reduce potential credit risk. Under certain forms of reinsurance contracts it is customary for the cedant to retain amounts on a funds withheld basis supporting the insurance or investment contract liabilities ceded. For the funds withheld assets where the underlying asset portfolio is managed by the Company, the credit risk is retained by the Company. The funds withheld balance where the Company assumes the credit risk is measured at the fair value of the underlying asset portfolio with the change in fair value recorded in net investment income. See note 6 for funds held by ceding insurers that are managed by the Company. Other funds held by ceding insurers are general obligations of the cedant and serve as collateral for insurance contract liabilities assumed from cedants. Funds withheld assets on these contacts do not have fixed maturity dates, their release generally being dependent on the run-off of the corresponding insurance contract liabilities.

On the liability side, funds held under reinsurance contracts consist mainly of amounts retained by the Company from ceded business written on a funds withheld basis. The Company withholds assets related to ceded insurance contract liabilities in order to reduce credit risk.

(m) Business Combinations, Goodwill and Intangible Assets

Business combinations are accounted for using the acquisition method. The Company identifies and classifies, in accordance with the Company's accounting policies, all assets acquired and liabilities assumed as at the acquisition date. Goodwill represents the excess of purchase consideration over the fair value of net assets of the acquired subsidiaries of the Company. Following initial recognition, goodwill is measured at cost less accumulated impairment losses.

Intangible assets represent finite life and indefinite life intangible assets of acquired subsidiaries of the Company and software acquired or internally developed by the Company. Finite life intangible assets include the value of technology/software, customer contracts and distribution channels. These finite life intangible assets are amortized over their estimated useful lives, typically ranging between 5 and 30 years.

Indefinite life intangible assets include brands and trademarks, customer contracts and the shareholders' portion of acquired future participating account profits. Amounts are classified as indefinite life intangible assets when based on an analysis of all the relevant factors, there is no foreseeable limit to the period over which the asset is expected to generate net cash inflows for the Company. The identification of indefinite life intangible assets is made by reference to relevant factors such as product life cycles, potential obsolescence, industry stability and competitive position. Following initial recognition, indefinite life intangible assets are measured at cost less accumulated impairment losses.

<u>Impairment Testing</u>
Goodwill and indefinite life intangible assets are tested for impairment annually or more frequently if events indicate that impairment may have occurred. Intangible assets that were previously impaired are reviewed at each reporting date for evidence of reversal. In the event that certain conditions have been met, the Company would be required to reverse the impairment charge or a portion thereof.

Goodwill and indefinite life intangible assets have been allocated to cash generating units, representing the lowest level that the assets are monitored for internal reporting purposes. Goodwill and indefinite life intangible assets are tested for impairment by comparing the carrying value of each cash generating unit grouping containing the assets to its recoverable amount. An impairment loss is recognized for the amount by which the asset carrying amount exceeds its recoverable amount.

The recoverable amount is the higher of the asset's fair value less costs of disposal and value-in-use.

Finite life intangible assets are reviewed at least annually to determine if there are indicators of impairment and assess whether the amortization period and method are appropriate.

(n) Revenue Recognition

Premiums for all types of insurance contracts, and contracts with limited mortality or morbidity risk, are generally recognized as revenue when due and collection is reasonably assured.

Interest income on bonds and mortgages is recognized and accrued using the effective yield method.

Dividend income is recognized when the right to receive payment is established. This is the ex-dividend date for listed stocks, and usually the notification date or date when the shareholders have approved the dividend for private equity instruments.

Investment property income includes rents earned from tenants under lease agreements and property tax and operating cost recoveries. Rental income leases with contractual rent increases and rent-free periods are recognized on a straight-line basis over the term of the lease.

Fee and other income primarily includes fees earned from management of segregated fund assets, proprietary mutual funds assets, fees earned on administrative services only Group health contracts, and fees earned from management services. Fee and other income is recognized when services are rendered and the amount can be reasonably estimated.

The Company has sub-advisor arrangements where the Company retains the primary obligation with the client; as a result, fee income earned is reported on a gross basis with the corresponding sub-advisor expense recorded in operating and administrative expenses.

(o) Owner Occupied Properties and Fixed Assets

Property held for own use and fixed assets are carried at cost less accumulated depreciation and impairments. Depreciation is charged to write-off the cost of assets, over their estimated useful lives, using the straight-line method, on the following bases:

Owner occupied properties	15 - 20 years
Furniture and fixtures	5 - 10 years
Other fixed assets	3 - 10 years

Depreciation methods, useful lives and residual values are reviewed at least annually and adjusted if necessary.

(p) Deferred Acquisition Costs

Included in other assets are deferred acquisition costs. These are recognized as assets if the costs are incremental and incurred due to the contract being issued and are primarily amortized on a straight-line basis over the policy term, not to exceed 20 years.

(q) Segregated Funds

Segregated funds assets and liabilities arise from contracts where all financial risks associated with the related assets are borne by policyholders and are presented separately in the Consolidated Balance Sheets. The assets and liabilities are set equal to the fair value of the underlying asset portfolio. Investment income and changes in fair value of the segregated fund assets are offset by a corresponding change in the segregated fund liabilities.

(r) Insurance and Investment Contract Liabilities

Contract Classification

When significant insurance risk exists, the Company's products are classified at contract inception as insurance contracts, in accordance with IFRS 4, *Insurance Contracts* (IFRS 4). Significant insurance risk exists when the Company agrees to compensate policyholders or beneficiaries of the contract for specified uncertain future events that adversely affect the policyholder and whose amount and timing is unknown. Refer to note 15 for discussion of insurance risk.

In the absence of significant insurance risk, the contract is classified as an investment contract or service contract. Investment contracts with discretionary participating features are accounted for in accordance with IFRS 4 and investment contracts without discretionary participating features are accounted for in accordance with IAS 39, *Financial Instruments: Recognition & Measurement*. The Company has not classified any contracts as investment contracts with discretionary participating features.

Investment contracts may be reclassified as insurance contracts after inception if insurance risk becomes significant. A contract that is classified as an insurance contract at contract inception remains as such until all rights and obligations under the contract are extinguished or expire.

Investment contracts are contracts that carry financial risk, which is the risk of a possible future change in one or more of the following: interest rate, commodity price, foreign exchange rate, or credit rating. Refer to note 7 for discussion of Financial Instruments Risk Management.

Measurement

Insurance contract liabilities represent the amounts required, in addition to future premiums and investment income, to provide for future benefit payments, policyholder dividends, commission and policy administrative expenses for all insurance and annuity policies in force with the Company. The Appointed Actuaries of the Company's subsidiary companies are responsible for determining the amount of the liabilities to make appropriate provisions for the Company's obligations to policyholders. The Appointed Actuaries determine the liabilities for insurance contracts using generally accepted actuarial practices, according to the standards established by the Canadian Institute of Actuaries. The valuation uses the Canadian Asset Liability Method. This method involves the projection of future events in order to determine the amount of assets that must be set aside currently to provide for all future obligations and involves a significant amount of judgment.

In the computation of insurance contract liabilities, valuation assumptions have been made regarding rates of mortality/morbidity, investment returns, levels of operating expenses, rates of policy termination and rates of utilization of elective policy options or provisions. The valuation assumptions use best estimates of future experience together with a margin for adverse deviation. These margins are necessary to provide for possibilities of mis-estimation and/for future deterioration in the best estimate assumptions and provide reasonable assurance that insurance contract liabilities cover a range of possible outcomes. Margins are reviewed periodically for continued appropriateness.

Investment contract liabilities are measured at fair value determined using discounted cash flows utilizing the yield curves of financial instruments with similar cash flow characteristics.

(s) Deferred Income Reserves

Included in other liabilities are deferred income reserves relating to investment contracts. These are amortized on a straight-line basis to recognize the initial policy fees over the policy term, not to exceed 20 years.

(t) Income Taxes

The income tax expense for the period represents the sum of current income tax and deferred income tax. Income tax is recognized as an expense or income in profit or loss except to the extent that it relates to items that are recognized outside profit or loss (whether in other comprehensive income or directly in equity), in which case the income tax is also recognized outside profit or loss.

Current Income Tax

Current income tax is based on taxable income for the year. Current income tax liabilities (assets) for the current and prior periods are measured at the amount expected to be paid to (recovered from) the taxation authorities using the tax rates that have been enacted or substantively enacted at the balance sheet date. Current income tax assets and current income tax liabilities are offset if a legally enforceable right exists to offset the recognized amounts and the entity intends either to settle on a net basis, or to realize the assets and settle the liabilities simultaneously.

A provision for tax uncertainties which meet the probable threshold for recognition is measured based on the probability weighted average approach.

Deferred Income Tax

Deferred income tax is the tax expected to be payable or recoverable on differences arising between the carrying amounts of assets and liabilities in the financial statements and the corresponding tax bases used in the computation of taxable income and is accounted for using the balance sheet liability method. Deferred income tax liabilities are generally recognized for all taxable temporary differences and deferred income tax assets are recognized to the extent that it is probable that taxable profits will be available against which deductible temporary differences, unused tax losses and carryforwards can be utilized.

Deferred income tax assets and liabilities are measured at the tax rates expected to apply in the year when the asset is realized or the liability is settled, based on tax rates (and tax laws) that have been enacted or substantively enacted at the balance sheet date. Deferred income tax assets and deferred income tax liabilities are offset if a legally enforceable right exists to net current income tax assets against current income tax liabilities and the deferred income taxes relate to the same taxable entity and the same taxation authority.

The carrying amount of deferred income tax assets is reviewed at each balance sheet date and reduced to the extent that it is no longer probable that sufficient taxable profit will be available to allow all or part of the deferred income tax asset to be utilized. Unrecognized deferred income tax assets are reassessed at each balance sheet date and are recognized to the extent that it has become probable that future taxable profit will allow the deferred income tax asset to be recovered.

Deferred income tax liabilities are recognized for taxable temporary differences arising on investments in subsidiaries and associates, except where the group controls the timing of the reversal of the temporary difference and it is probable that the temporary differences will not reverse in the foreseeable future.

(u) Policyholder Benefits

Policyholder benefits include benefits and claims on life insurance contracts, maturity payments, annuity payments and surrenders. Gross benefits and claims for life insurance contracts include the cost of all claims arising during the year and settlement of claims. Death claims and surrenders are recorded on the basis of notifications received. Maturities and annuity payments are recorded when due.

(v) Repurchase Agreements

The Company accounts for certain forward settling to be announced "TBA" security transactions as derivatives as the Company does not regularly accept delivery of such securities when issued.

(w) Pension Plans and Other Post-Employment Benefits

The Company’s subsidiaries maintain contributory and non-contributory defined benefit pension plans for certain employees and advisors. The Company’s subsidiaries also provide post-employment health, dental and life insurance benefits to eligible employees, advisors and their dependents.

The present value of the defined benefit obligations and the related current service cost is determined using the projected unit credit method (note 24). Pension plan assets are recorded at fair value.

For the defined benefit plans of the Company’s subsidiaries, service costs and net interest costs are recognized in the Consolidated Statements of Earnings. Service costs include current service cost, administration expenses, past service costs and the impact of curtailments and settlements. To determine the net interest costs (income) recognized in the Consolidated Statements of Earnings, the Company's subsidiaries apply a discount rate to the net benefit liability (asset), where the discount rate is determined by reference to market yields at the beginning of the year on high quality corporate bonds.

For the defined benefit plans of the Company’s subsidiaries, re-measurements of the net defined benefit liability (asset) due to asset returns less (greater) than interest income, actuarial losses (gains) and changes in the asset ceiling are recognized immediately in the Consolidated Statements of Comprehensive Income.

The Company’s subsidiaries also maintain defined contribution pension plans for certain employees and advisors. For the defined contribution plans of the Company’s subsidiaries, the current service costs are recognized in the Consolidated Statements of Earnings.

(x) Share Capital and Surplus

Financial instruments issued by the Company are classified as share capital if they represent a residual interest in the assets of the Company. Preferred share capital is classified as equity if it is non-redeemable, or retractable only at the Company’s option and any dividends are discretionary. Incremental costs that are directly attributable to the issue of share capital are recognized as a deduction from equity, net of income tax.

Contributed surplus represents the vesting expense on unexercised equity instruments under share-based payment plans.

Accumulated other comprehensive income (loss) represents the total of the unrealized foreign exchange gains (losses) on translation of foreign operations, the unrealized foreign exchange gains (losses) on euro debt designated as a hedge of the net investment of foreign operations, the unrealized gains (losses) on available-for-sale assets, the unrealized gains (losses) on cash flow hedges, and the remeasurements on defined benefit pension and other post-employment benefit plans.

Non-controlling interests in subsidiaries represents the proportion of equity that is attributable to minority shareholders.

Participating account surplus in subsidiaries represents the proportion of equity attributable to the participating account of the Company's subsidiaries.

(y) Share-Based Payments

The Company provides share-based compensation to certain employees and Directors of the Company and its subsidiaries.

The Company follows the fair value based method of accounting for the valuation of compensation expense for shares and share options granted to employees under its stock option plans (note 23). This share-based payment expense is recognized in operating and administrative expenses in the Consolidated Statements of Earnings and as an increase to contributed surplus over the vesting period of the granted options. When options are exercised, the proceeds received, along with the amount in contributed surplus, are transferred to share capital.

The Company and certain of its affiliates have established Deferred Share Unit Plans (DSU Plans) in which Directors of the Company participate. Units issued under the DSU Plans vest when granted. The Company recognizes an increase in operating and administrative expenses for the units granted under the DSU Plans. The Company recognizes a liability for units granted under the DSU Plans which is re-measured at each reporting period based on the market value of the Company's common shares.

Certain employees of the Company are entitled to participate in the Performance Share Unit Plan (PSU Plan). Units issued under the Performance Share Unit Plan vest over a three year period. The Company uses the fair value method to recognize compensation expense for the units granted under the plan with a corresponding increase in the liability based on the market value of the Company's common shares.

The Company has an Employee Share Ownership Program (ESOP) where, subject to certain conditions being met, the Company will match contributions up to a maximum amount. The Company's contributions are expensed within operating and administrative expenses as incurred.

From January 1, 2014 to March 31, 2014, share-based payment awards for restricted Class B shares and options on Class B shares granted to employees under the Putnam Investments, LLC Equity Incentive Plan and for awards issued under PanAgora's Management Equity Plan were accounted for as liabilities. As of March 31, 2014 (the "Modification date"), the Company modified these plans. As a result, these plans are now classified as equity-settled share-based payment transactions wherein compensation expense is measured by reference to the fair value of the equity instruments at grant date (or Modification date for those grants existing at such date) with a corresponding increase to equity. On the Modification date, the Company reclassified the share-based liability into equity.

(z) Earnings Per Common Share

Earnings per common share is calculated using net earnings after preferred share dividends and the weighted average number of common shares outstanding. Diluted earnings per share is calculated by adjusting common shareholders' net earnings and the weighted average number of common shares outstanding for the effects of all potential dilutive common shares assuming that all convertible instruments are converted and outstanding options are exercised.

(aa) Leases

Leases that do not transfer substantially all the risks and rewards of ownership are classified as operating leases. Payments made under operating leases, where the Company is the lessee, are charged to net earnings over the period of use.

Where the Company is the lessor under an operating lease for its investment property, the assets subject to the lease arrangement are presented within the Consolidated Balance Sheets. Income from these leases is recognized in the Consolidated Statements of Earnings on a straight-line basis over the lease term.

Investments in a lease that transfers substantially all the risks and rewards of ownership to the lessee are classified as a finance lease. The Company is the lessor under a finance lease and the investment is recognized as a receivable at an amount equal to the net investment in the lease, which is represented as the present value of the minimum lease payments due from the lessee and is presented within the Consolidated Balance Sheets. Payments received from the lessee are apportioned between the recognition of finance lease income and the reduction of the finance lease receivable. Income from the finance leases is recognized in the Consolidated Statements of Earnings at a constant periodic rate of return on the Company's net investment in the finance lease.

(ab) Operating Segments

Operating segments have been identified based on internal reports that are regularly reviewed by the Company's Chief Executive Officer to allocate resources and assess performance of segments. The Company's reportable operating segments are categorized by geographic region and include Canada, the United States and Europe. Great-West Financial and Putnam are reported in the United States segment. The Europe segment comprises Insurance & Annuities and Reinsurance. The Lifeco Corporate segment represents activities and transactions that are not directly attributable to the measurement of the operating segments of the Company.

(ac) Future Accounting Policies

IFRS that have been issued by the IASB and could impact the Company are as follows:

New Standard	Summary of Future Changes
IFRS 9 - *Financial Instruments*	In July 2014, the IASB issued a final version of IFRS 9, *Financial Instruments* to replace IAS 39, *Financial Instruments: Recognition and Measurement*. The standard provides changes to financial instruments accounting for the following: • classification and measurement of financial instruments based on a business model approach for managing financial assets and the contractual cash flow characteristics of the financial asset; • impairment based on an expected loss model; and • hedge accounting that incorporates the risk management practices of an entity. The standard is effective January 1, 2018. The Company is evaluating the impact of the adoption of this standard.
IFRS 15 - *Revenue from Contracts with Customers*	In May 2014, the IASB issued IFRS 15, *Revenue from Contracts with Customers*, which provides a single revenue recognition standard to align the financial reporting of revenue from contracts with customers and related costs. The revenue arising from insurance contracts, leases and financial instruments are not required to apply the revenue recognition requirements in IFRS 15. A company would recognize revenue when it transfers goods or services to a customer in the amount of consideration the company expects to receive from the customer. In September 2015, the IASB issued an amendment to IFRS 15 providing a deferral of one year of the effective date of the standard, from January 1, 2017 to January 1, 2018. The Company is evaluating the impact of the adoption of this standard.
IFRS 16 - *Leases*	In January 2016, The IASB issued IFRS 16, *Leases,* which introduces new guidance for identifying leases as well as a new right-of-use accounting model for lessees, replacing the operating and finance lease accounting models that currently exist. The new accounting model will generally require all lessees to recognize lease assets and liabilities on the balance sheet, initially measured at the present value of unavoidable lease payments for all leases with a maximum possible term of more than 12 months. In contrast to the significant changes for lessees, the new standard will retain many key aspects of the current lessor accounting model. The standard is effective January 1, 2019. The Company is evaluating the impact of the adoption of this standard.

New Standard	Summary of Future Changes
Annual Improvements 2012 - 2014 Cycle	In September 2014, the IASB issued *Annual Improvements 2012 - 2014 Cycle* as part of its ongoing process to efficiently deal with non-urgent narrow scope amendments to IFRS. Five amendments were included in this issue relating to IFRS 5, *Non-current Assets Held for Sale and Discontinued Operations*, IFRS 7, *Financial Instruments: Disclosures*, IFRS 1, *First-time Adoption of International Financial Reporting Standards,* IAS 19, *Employee Benefits* and IAS 34 *Interim Financial Reporting.* The amendments are effective January 1, 2016. Adoption of these amendments is not expected to have a significant impact on the Company's consolidated financial statements.
IAS 16 - *Property, Plant and Equipment and* IAS 38 - *Intangible Assets*	In May 2014, the IASB issued amendments to IAS 16, *Property, Plant and Equipment* and IAS 38, *Intangible Assets* that the use of revenue-based methods to calculate the depreciation of property, plant and equipment and intangible assets is not appropriate. The amendments are effective January 1, 2016. Adoption of these amendments is not expected to have a significant impact on the Company's consolidated financial statements.
IFRS 10 - *Consolidated Financial Statements and* IAS 28 - *Investments in Associates and Joint Ventures*	In September 2014, the IASB issued amendments to IFRS 10, *Consolidated Financial Statements* and IAS 28, *Investments in Associates and Joint Ventures* to clarify that any gain or loss recognized in a transaction involving an associate or joint venture depends on whether the assets sold or contributed constitute a business as defined under IFRS 3, *Business Combinations.* In December 2014, the IASB issued additional amendments to IFRS 10 and IAS 28 clarifying the accounting requirements for investment entities. The amendments are effective January 1, 2016. Adoption of these amendments is not expected to have a significant impact on the Company's consolidated financial statements.
IFRS 11 - *Joint Arrangements*	In May 2014, the IASB issued amendments to IFRS 11, *Joint Arrangements* on the accounting for acquisitions of an interest in a joint operation when the operations constitute a business as defined under IFRS 3, *Business Combinations.* The amendments are effective January 1, 2016. Adoption of these amendments is not expected to have a significant impact on the Company's consolidated financial statements.
IAS 1 - *Presentation of Financial Statements*	In December 2014, the IASB issued amendments to IAS 1, *Presentation of Financial Statements* to add clarity and flexibility to financial statement presentation, ensuring entities use judgment in applying materiality, and presentation of financial statements and structure of the notes. The amendments are effective January 1, 2016. Adoption of these amendments is not expected to have a significant impact on the Company’s consolidated financial statements.

3. Business Acquisitions

(a) J.P. Morgan Retirement Plan Services

On August 29, 2014, the Company, through its wholly owned subsidiary Great-West Financial, completed the acquisition of all of the voting equity interests in the J.P. Morgan Retirement Plan Services (RPS) large-market recordkeeping business. The Company disclosed the allocation of the purchase price to the amounts of assets acquired, goodwill and liabilities assumed in note 3 to the December 31, 2014 consolidated annual audited financial statements. During the first quarter of 2015 the Company finalized the purchase price allocation with no adjustments from those balances reported as at December 31, 2014.

(b) Legal & General International (Ireland) Limited

On July 1, 2015, the Company, through its indirect wholly owned subsidiary The Canada Life Group (UK) Ltd., acquired Legal & General International (Ireland) Limited (LGII), a provider of investment and wealth management solutions for high net worth individuals primarily in the United Kingdom.

At the date of acquisition, the Company recognized $5,465 of unit-linked funds within investments on account of segregated fund policyholders and investment and insurance contracts on account of segregated fund policyholder liabilities (note 14) on the Company's balance sheet.

The revenue and net earnings from LGII, along with the goodwill from the acquisition, was not significant.

4. Cash and Cash Equivalents

Cash and cash equivalents include amounts held at the Lifeco holding company level and amounts held in Lifeco's consolidated subsidiary companies.

	2015	2014
Cash	**$ 1,792**	$ 1,588
Short-term deposits	**1,021**	910
Total	**$ 2,813**	$ 2,498

At December 31, 2015 cash of $159 was restricted for use by the Company ($142 at December 31, 2014) in respect of cash held in trust for reinsurance agreements or with regulatory authorities, client monies held by brokers and cash held in escrow.

5. Portfolio Investments

(a) Carrying values and estimated fair values of portfolio investments are as follows:

	2015		2014	
	Carrying value	**Fair value**	Carrying value	Fair value
Bonds				
Designated fair value through profit or loss [1][3]	**$ 83,688**	**$ 83,688**	$ 77,714	$ 77,714
Classified fair value through profit or loss [1][3]	**2,815**	**2,815**	2,286	2,286
Available-for-sale	**11,535**	**11,535**	9,990	9,990
Loans and receivables	**16,905**	**18,253**	13,178	14,659
	114,943	**116,291**	103,168	104,649
Mortgage loans				
Residential	**7,783**	**8,148**	7,238	7,653
Commercial	**14,238**	**15,298**	13,308	14,514
	22,021	**23,446**	20,546	22,167
Stocks				
Designated fair value through profit or loss [1]	**6,647**	**6,647**	6,617	6,617
Available-for-sale	**57**	**57**	50	50
Available-for-sale, at cost [2]	**534**	**N/A**	560	N/A
Equity method	**635**	**601**	593	664
	7,873	**7,305**	7,820	7,331
Investment properties	**5,237**	**5,237**	4,613	4,613
Total	**$ 150,074**	**$ 152,279**	$ 136,147	$ 138,760

(1) A financial asset is designated as fair value through profit or loss on initial recognition if it eliminates or significantly reduces an accounting mismatch. Changes in the fair value of financial assets designated as fair value through profit or loss are generally offset by changes in insurance contract liabilities, since the measurement of insurance contract liabilities is determined with reference to the assets supporting the liabilities.

A financial asset is classified as fair value through profit or loss on initial recognition if it is part of a portfolio that is actively traded for the purpose of earning investment income.

(2) Fair value cannot be reliably measured, therefore the investments are held at cost and excluded from the total fair value amount presented.

(3) During the year, the Company reclassified $119 of bonds from designated fair value through profit or loss to classified fair value through profit or loss at December 31, 2014 to conform to the current year's presentation.

(b) Carrying value of bonds and mortgages by term to maturity are as follows:

	2015							
	Term to maturity							
		1 year or less		**Over 1-5 years**		**Over 5 years**		**Total**
Bonds	**$**	**11,679**	**$**	**25,784**	**$**	**77,113**	**$**	**114,576**
Mortgage loans		**1,358**		**6,037**		**14,598**		**21,993**
Total	**$**	**13,037**	**$**	**31,821**	**$**	**91,711**	**$**	**136,569**

	2014							
	Term to maturity							
		1 year or less		Over 1-5 years		Over 5 years		Total
Bonds	$	10,817	$	19,299	$	72,687	$	102,803
Mortgage loans		1,373		6,532		12,628		20,533
Total	$	12,190	$	25,831	$	85,315	$	123,336

The above excludes the carrying value of impaired bonds and mortgage loans, as the ultimate timing of collectability is uncertain.

(c) Certain stocks where equity method earnings are computed are discussed below:

(i) Stocks include the Company's investment, held through Great-West Life, in an affiliated company, IGM, a member of the Power Financial group of companies, over which it exerts significant influence but does not control. The Company's proportionate share of IGM's earnings is recorded in net investment income in the Consolidated Statements of Earnings. The Company owns 9,203,174 shares of IGM at December 31, 2015 (9,202,886 at December 31, 2014) representing a 3.73% ownership interest (3.65% at December 31, 2014). The Company uses the equity method to account for its investment in IGM as it exercises significant influence. Significant influence arises from several factors, including, but not limited to the following: common control of the Company and IGM by Power Financial, shared representation on the Boards of Directors of the Company and IGM, interchange of managerial personnel, and certain shared strategic alliances, significant intercompany transactions and services agreements that influence the financial and operating policies of both companies.

		2015		2014
Carrying value, beginning of year	**$**	**356**	$	350
Equity method share of IGM earnings		**23**		26
Dividends received		**(21)**		(20)
Carrying value, end of year	**$**	**358**	$	356
Share of equity, end of year	**$**	**180**	$	178
Fair value, end of year	**$**	**325**	$	426

The Company and IGM both have a year-end date of December 31. The Company's year-end results are approved and reported before IGM publicly reports its financial result; therefore, the Company reports IGM's financial information by estimating the amount of earnings attributable to the Company, based on prior quarter information as well as consensus expectations, to complete equity method accounting. The difference between actual and estimated results is reflected in the subsequent quarter and is not material to the Company's financial statements.

IGM's financial information as at December 31, 2015 can be obtained in its publicly available information.

At December 31, 2015 and 2014 IGM owned 39,737,388 common shares of the Company.

(ii) Stocks include the Company's 30.43% investment (30.43% at December 31, 2014), held through Irish Life Group Limited (Irish Life), in Allianz Ireland, an unlisted general insurance company operating in Ireland.

	2015	2014
Carrying value, beginning of year	**$ 191**	$ 217
Equity method share of Allianz comprehensive income	**18**	7
Dividends received	**(4)**	(24)
Changes in foreign exchange rate	**13**	(9)
Carrying value, end of year	**$ 218**	$ 191
Share of equity, end of year	**$ 161**	$ 140

The fair value of Allianz Ireland as at December 31, 2015 and December 31, 2014 is not readily available as it is not publicly traded.

The Company and Allianz Ireland both have a year-end date of December 31. The Company's year-end financial results are approved and reported before Allianz Ireland reports its financial results; therefore, the Company reports Allianz Ireland's financial information by estimating the amount of income attributable to the Company, based on prior quarter information, to complete equity method accounting. The difference between actual and estimated results is reflected in the subsequent quarter and is not material to the Company's financial statements.

(d) Included in portfolio investments are the following:

(i) Carrying amount of impaired investments

	2015	2014
Impaired amounts by classification		
Fair value through profit or loss	**$ 355**	$ 355
Available-for-sale	**11**	14
Loans and receivables	**30**	15
Total	**$ 396**	$ 384

The carrying amount of impaired investments includes bonds, stocks and mortgage loans. The above carrying values for loans and receivables are net of allowances of $20 at December 31, 2015 and $18 at December 31, 2014.

(ii) The allowance for credit losses and changes in the allowance for credit losses related to investments classified as loans and receivables are as follows:

	2015			2014		
	Bonds	**Mortgage loans**	**Total**	Bonds	Mortgage loans	Total
Balance, beginning of year	**$ —**	**$ 18**	**$ 18**	$ —	$ 25	$ 25
Net provision for credit losses - in year	—	—	—	—	8	8
Write-offs, net of recoveries	—	—	—	—	(15)	(15)
Other (including foreign exchange rate changes)	—	2	2	—	—	—
Balance, end of year	**$ —**	**$ 20**	**$ 20**	$ —	$ 18	$ 18

The allowance for credit losses is supplemented by the provision for future credit losses included in insurance contract liabilities.

(e) Net investment income comprises the following:

	2015					
	Bonds	**Mortgage loans**	**Stocks**	**Investment properties**	**Other**	**Total**
Regular net investment income:						
Investment income earned	**$ 4,252**	**$ 965**	**$ 279**	**$ 356**	**$ 416**	**$ 6,268**
Net realized gains						
Available-for-sale	**104**	**—**	**2**	**—**	**—**	**106**
Other classifications	**10**	**97**	**—**	**—**	**—**	**107**
Other income and expenses	**—**	**—**	**—**	**(100)**	**(110)**	**(210)**
	4,366	**1,062**	**281**	**256**	**306**	**6,271**
Changes in fair value on fair value through profit or loss assets:						
Classified fair value through profit or loss	**13**	**—**	**—**	**—**	**—**	**13**
Designated fair value through profit or loss	**(2,000)**	**—**	**(409)**	**—**	**137**	**(2,272)**
Recorded at fair value through profit or loss	**—**	**—**	**—**	**249**	**—**	**249**
	(1,987)	**—**	**(409)**	**249**	**137**	**(2,010)**
Total	**$ 2,379**	**$ 1,062**	**$ (128)**	**$ 505**	**$ 443**	**$ 4,261**

	2014					
	Bonds	Mortgage loans	Stocks	Investment properties	Other	Total
Regular net investment income:						
Investment income earned	$ 4,108	$ 948	$ 238	$ 319	$ 487	$ 6,100
Net realized gains						
Available-for-sale	47	—	11	—	—	58
Other classifications	18	25	—	—	—	43
Net allowances for credit losses on loans and receivables	(9)	(8)	—	—	—	(17)
Other income and expenses	—	—	—	(75)	(99)	(174)
	4,164	965	249	244	388	6,010
Changes in fair value on fair value through profit or loss assets:						
Classified fair value through profit or loss	72	—	—	—	—	72
Designated fair value through profit or loss	6,533	—	480	—	180	7,193
Recorded at fair value through profit or loss	—	—	—	262	—	262
	6,605	—	480	262	180	7,527
Total	$ 10,769	$ 965	$ 729	$ 506	$ 568	$ 13,537

Investment income earned comprises income from investments that are classified as available-for-sale, loans and receivables and investments classified or designated as fair value through profit or loss. Investment income from bonds and mortgages includes interest income and premium and discount amortization. Income from stocks includes dividends and equity income from the investment in IGM and Allianz Ireland. Investment properties income includes rental income earned on investment properties, ground rent income earned on leased and sub-leased land, fee recoveries, lease cancellation income, and interest and other investment income earned on investment properties. Other income includes policyholder loan income, foreign exchange gains and losses, income earned from derivative financial instruments and other miscellaneous income.

(f) The carrying value of investment properties and changes in the carrying value of investment properties are as follows:

	2015	2014
Balance, beginning of year	**$ 4,613**	$ 4,288
Additions	**278**	127
Change in fair value through profit or loss	**249**	262
Disposals	**(282)**	(98)
Transferred to owner occupied properties	**—**	(13)
Foreign exchange rate changes	**379**	56
Other	**—**	(9)
Balance, end of year	**$ 5,237**	$ 4,613

(g) Transferred Financial Assets

The Company engages in securities lending to generate additional income. The Company’s securities custodians are used as lending agents. Collateral, which exceeds the fair value of the loaned securities, is deposited by the borrower with the Company's lending agent and maintained by the lending agent until the underlying security has been returned. The fair value of the loaned securities is monitored on a daily basis by the lending agent who obtains or refunds additional collateral as the fair value of the loaned securities fluctuates. There was no cash collateral included in the collateral deposited with the Company's lending agent as of December 31, 2015 ($16 at December 31, 2014). In addition, the securities lending agent indemnifies the Company against borrower risk, meaning that the lending agent agrees contractually to replace securities not returned due to a borrower default. As at December 31, 2015, the Company had loaned securities (which are included in invested assets) with a fair value of $6,833 ($5,890 at December 31, 2014).

6. Funds Held by Ceding Insurers

Included in funds held by ceding insurers of $15,512 at December 31, 2015 ($12,154 at December 31, 2014) are the following agreements.

During 2015, Canada Life Limited, an indirect wholly owned subsidiary of the Company, entered into an agreement with The Equitable Life Assurance Society (Equitable Life) to assume, by way of indemnity reinsurance, the assets and liabilities of the annuity business of Equitable Life totaling $1,620.

During December 2015, an indirect wholly-owned subsidiary of the Company entered into a retrocession agreement to assume a block of investment contract liabilities totaling $1,323 in the form of structured settlements with fixed terms and amounts. The subsidiary has assumed the credit risk on the portfolio of assets, included in funds held by the ceding reinsurer, that back the related investment contract liabilities. The ceding reinsurer has the right to recapture the retrocession transaction if certain conditions are not met.

During 2014, an indirect wholly owned reinsurance subsidiary of the Company entered into an agreement to assume by way of indemnity reinsurance, a block of payout annuities. Under the agreement, the subsidiary is required to put amounts on deposit with the counterparty and the subsidiary has assumed the credit risk on the portfolio of assets included in the amounts on deposit.

During 2008, Canada Life International Re Limited (CLIRE), the Company’s indirect wholly owned Irish reinsurance subsidiary, signed an agreement with Standard Life, a U.K.-based provider of life, pension and investment products, to assume by way of indemnity reinsurance, a large block of payout annuities. Under the agreement, CLIRE is required to put amounts on deposit with Standard Life and CLIRE has assumed the credit risk on the portfolio of assets included in the amounts on deposit.

The assets for these agreements are included in funds held by ceding insurers on the Consolidated Balance Sheets. Income and expenses arising from the agreements are included in net investment income on the Consolidated Statements of Earnings.

At December 31, 2015 the Company had amounts on deposit of $13,830 ($10,758 at December 31, 2014) for these four agreements.

The details of the funds on deposit and related credit risk on the funds related to these agreements are as follows:

(a) Carrying values and estimated fair values:

	2015		2014	
	Carrying value	**Fair value**	Carrying value	Fair value
Cash and cash equivalents	**$ 180**	**$ 180**	$ 200	$ 200
Bonds	**13,472**	**13,472**	10,397	10,397
Other assets	**178**	**178**	161	161
Total	**$ 13,830**	**$ 13,830**	$ 10,758	$ 10,758
Supporting:				
Reinsurance liabilities	**13,222**	**13,222**	10,386	10,386
Surplus	**608**	**608**	372	372
Total	**$ 13,830**	**$ 13,830**	$ 10,758	$ 10,758

(b) The following presents the amounts on deposit for funds held by ceding insurers measured at fair value on recurring basis by hierarchy level (note 8):

	2015			
	Level 1	**Level 2**	**Level 3**	**Total**
Cash and cash equivalents	**$ 180**	**$ —**	**$ —**	**$ 180**
Bonds	**—**	**13,472**	**—**	**13,472**
Total	**$ 180**	**$ 13,472**	**$ —**	**$ 13,652**

	2014			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	$ 200	$ —	$ —	$ 200
Bonds	—	10,397	—	10,397
Total	$ 200	$ 10,397	$ —	$ 10,597

(c) The following provides details of the carrying value of bonds included in the funds on deposit by issuer and industry sector:

	2015	2014
Bonds issued or guaranteed by:		
Canadian federal government	$ —	$ 49
Provincial, state, and municipal governments	5	16
U.S. Treasury and other U.S. agencies	72	25
Other foreign governments	3,224	1,923
Government related	561	548
Supranationals	195	167
Asset-backed securities	319	260
Residential mortgage-backed securities	117	107
Banks	1,967	1,944
Other financial institutions	1,098	1,087
Basic materials	134	110
Communications	176	168
Consumer products	1,117	862
Industrial products/services	398	174
Natural resources	531	389
Real estate	932	778
Transportation	328	231
Utilities	1,762	1,411
Miscellaneous	512	130
Total long-term bonds	$ 13,448	$ 10,379
Short-term bonds	24	18
Total	$ 13,472	$ 10,397

(d) Asset quality

Bond Portfolio By Credit Rating

	2015	2014
AAA	$ 3,697	$ 2,312
AA	3,405	2,944
A	5,186	4,194
BBB	798	596
BB and lower	386	351
Total	$ 13,472	$ 10,397

7. Financial Instruments Risk Management

The Company has policies relating to the identification, measurement, monitoring, mitigating and controlling of risks associated with financial instruments. The key risks related to financial instruments are credit risk, liquidity risk and market risk (currency, interest rate and equity). The Risk Committee of the Board of Directors is responsible for the oversight of the Company's key risks.

The following sections describe how the Company manages each of these risks.

(a) Credit Risk

Credit risk is the risk of financial loss resulting from the failure of debtors to make payments when due.

The following policies and procedures are in place to manage this risk:

- Investment guidelines are in place that require only the purchase of investment-grade assets and minimize undue concentration of assets in any single geographic area, industry and company.
- Investment guidelines specify minimum and maximum limits for each asset class. Credit ratings are determined by recognized external credit rating agencies and/or internal credit review.
- Investment guidelines also specify collateral requirements.
- Portfolios are monitored continuously, and reviewed regularly with the Risk Committee and the Investment Committee of the Board of Directors.
- Credit risk associated with derivative instruments is evaluated quarterly based on conditions that existed at the balance sheet date, using practices that are at least as conservative as those recommended by regulators.
- The Company is exposed to credit risk relating to premiums due from policyholders during the grace period specified by the insurance policy or until the policy is paid up or terminated. Commissions paid to agents and brokers are netted against amounts receivable, if any.
- Reinsurance is placed with counterparties that have a good credit rating, and concentration of credit risk is managed by following policy guidelines set each year by the Board of Directors. Management continuously monitors and performs an assessment of creditworthiness of reinsurers.

(i) Maximum Exposure to Credit Risk

The following summarizes the Company's maximum exposure to credit risk related to financial instruments. The maximum credit exposure is the carrying value of the asset net of any allowances for losses.

	2015	2014
Cash and cash equivalents	**$ 2,813**	$ 2,498
Bonds		
Fair value through profit or loss	**86,503**	80,000
Available-for-sale	**11,535**	9,990
Loans and receivables	**16,905**	13,178
Mortgage loans	**22,021**	20,546
Loans to policyholders	**8,694**	7,711
Funds held by ceding insurers [(1)]	**15,512**	12,154
Reinsurance assets	**5,131**	5,151
Interest due and accrued	**1,430**	1,286
Accounts receivable	**1,420**	1,172
Premiums in course of collection	**703**	598
Trading account assets	**590**	405
Finance leases receivable	**293**	285
Other assets [(2)]	**772**	715
Derivative assets	**461**	652
Total	**$ 174,783**	$ 156,341

(1) Includes $13,830 ($10,758 at December 31, 2014) of funds held by ceding insurers where the Company retains the credit risk of the assets supporting the liabilities ceded (note 6).

(2) Includes items such as current income taxes receivable and miscellaneous other assets of the Company (note 13).

Credit risk is also mitigated by entering into collateral agreements. The amount and type of collateral required depends on an assessment of the credit risk of the counterparty. Guidelines are implemented regarding the acceptability of types of collateral and the valuation parameters. Management monitors the value of the collateral, requests additional collateral when needed and performs an impairment valuation when applicable. The Company has $107 of collateral received as at December 31, 2015 ($52 of collateral received as at December 31, 2014) relating to derivative assets.

(ii) Concentration of Credit Risk

Concentrations of credit risk arise from exposures to a single debtor, a group of related debtors or groups of debtors that have similar credit risk characteristics in that they operate in the same geographic region or in similar industries. The characteristics are similar in that changes in economic or political environments may impact their ability to meet obligations as they come due.

The following provides details of the carrying value of bonds by issuer, industry sector and geographic distribution:

	2015			
	Canada	**United States**	**Europe**	**Total**
Bonds issued or guaranteed by:				
Canadian federal government	$ **5,745**	$ **4**	$ **31**	$ **5,780**
Provincial, state, and municipal governments	**7,075**	**3,186**	**46**	**10,307**
U.S. Treasury and other U.S. agencies	**429**	**5,835**	**1,306**	**7,570**
Other foreign governments	**206**	**7**	**12,470**	**12,683**
Government related	**3,242**	**—**	**2,112**	**5,354**
Supranationals	**415**	**5**	**680**	**1,100**
Asset-backed securities	**2,607**	**3,581**	**595**	**6,783**
Residential mortgage-backed securities	**64**	**204**	**230**	**498**
Banks	**1,852**	**382**	**2,854**	**5,088**
Other financial institutions	**834**	**2,061**	**2,644**	**5,539**
Basic materials	**416**	**1,228**	**542**	**2,186**
Communications	**596**	**373**	**771**	**1,740**
Consumer products	**2,217**	**2,947**	**2,958**	**8,122**
Industrial products/services	**1,210**	**1,708**	**1,170**	**4,088**
Natural resources	**1,453**	**1,444**	**820**	**3,717**
Real estate	**1,502**	**786**	**3,228**	**5,516**
Transportation	**2,406**	**1,298**	**1,100**	**4,804**
Utilities	**6,200**	**4,910**	**4,341**	**15,451**
Miscellaneous	**1,410**	**1,876**	**538**	**3,824**
Total long-term bonds	**39,879**	**31,835**	**38,436**	**110,150**
Short-term bonds	**3,241**	**216**	**1,336**	**4,793**
Total	$ **43,120**	$ **32,051**	$ **39,772**	$ **114,943**

	2014			
	Canada	United States	Europe	Total
Bonds issued or guaranteed by:				
Canadian federal government	$ 5,356	$ 3	$ 46	$ 5,405
Provincial, state, and municipal governments	6,926	2,567	51	9,544
U.S. Treasury and other U.S. agencies	352	4,786	937	6,075
Other foreign governments	198	24	11,865	12,087
Government related	2,895	—	2,021	4,916
Supranationals	433	8	643	1,084
Asset-backed securities	2,648	3,161	789	6,598
Residential mortgage-backed securities	52	236	206	494
Banks	2,025	346	2,747	5,118
Other financial institutions	647	1,705	2,461	4,813
Basic materials	316	1,087	349	1,752
Communications	571	265	693	1,529
Consumer products	2,030	2,558	2,305	6,893
Industrial products/services	1,078	1,292	718	3,088
Natural resources	1,250	984	710	2,944
Real estate	1,407	452	2,849	4,708
Transportation	1,967	985	898	3,850
Utilities	5,460	4,206	3,912	13,578
Miscellaneous	1,416	1,281	456	3,153
Total long-term bonds	37,027	25,946	34,656	97,629
Short-term bonds	3,616	236	1,687	5,539
Total	$ 40,643	$ 26,182	$ 36,343	$ 103,168

The following provides details of the carrying value of mortgage loans by geographic location:

	2015			
	Single family residential	**Multi-family residential**	**Commercial**	**Total**
Canada	**$ 1,962**	**$ 3,674**	**$ 7,055**	**$ 12,691**
United States	**—**	**1,770**	**3,162**	**4,932**
Europe	**—**	**377**	**4,021**	**4,398**
Total	**$ 1,962**	**$ 5,821**	**$ 14,238**	**$ 22,021**

	2014			
	Single family residential	Multi-family residential	Commercial	Total
Canada	$ 1,916	$ 3,660	$ 7,017	$ 12,593
United States	—	1,324	2,888	4,212
Europe	—	338	3,403	3,741
Total	$ 1,916	$ 5,322	$ 13,308	$ 20,546

(iii) Asset Quality

Bond Portfolio By Credit Rating

	2015	2014
AAA	**$ 36,434**	$ 34,332
AA	**20,364**	18,954
A	**35,623**	31,133
BBB	**20,984**	17,370
BB and lower	**1,538**	1,379
Total	**$ 114,943**	$ 103,168

Derivative Portfolio By Credit Rating

	2015	2014
Over-the-counter contracts (counterparty ratings):		
AAA	**$ —**	$ 10
AA	**209**	66
A	**248**	576
Exchange-traded	**4**	—
Total	**$ 461**	$ 652

(iv) Loans Past Due, But Not Impaired

Loans that are past due but not considered impaired are loans for which scheduled payments have not been received, but management has reasonable assurance of collection of the full amount of principal and interest due. The following provides carrying values of the loans past due, but not impaired:

	2015	2014
Less than 30 days	**$ 33**	$ 7
30 - 90 days	**2**	5
Greater than 90 days	**3**	3
Total	**$ 38**	$ 15

(v) The following outlines the future asset credit losses provided for in insurance contract liabilities. These amounts are in addition to the allowance for asset losses included with assets:

	2015	2014
Participating	**$ 1,395**	$ 1,186
Non-participating	**2,163**	1,947
Total	**$ 3,558**	$ 3,133

(b) Liquidity Risk

Liquidity risk is the risk that the Company will not be able to meet all cash outflow obligations as they come due. The following policies and procedures are in place to manage this risk:

- The Company closely manages operating liquidity through cash flow matching of assets and liabilities and forecasting earned and required yields, to ensure consistency between policyholder requirements and the yield of assets. Approximately 69% (approximately 70% in 2014) of insurance and investment contract liabilities are non-cashable prior to maturity or subject to fair value adjustments.

- Management closely monitors the solvency and capital positions of its principal subsidiaries opposite liquidity requirements at the holding company. Additional liquidity is available through established lines of credit or via capital market transactions. The Company maintains $350 of liquidity at the Lifeco level through committed lines of credit with Canadian chartered banks. As well, the Company maintains a $150 liquidity facility at Great-West Life, a U.S. $500 revolving credit agreement with a syndicate of banks for use by Putnam, and a U.S. $50 line of credit at Great-West Financial.

In the normal course of business the Company enters into contracts that give rise to commitments of future minimum payments that impact short-term and long-term liquidity. The following summarizes the principal repayment schedule of certain of the Company's financial liabilities.

	Payments due by period						
	Total	1 year	2 years	3 years	4 years	5 years	over 5 years
Debentures and other debt instruments	$ 5,417	$ 467	$ 300	$ 200	$ —	$ 500	$ 3,950
Capital trust securities [1]	150	—	—	—	—	—	150
Purchase obligations	227	85	45	33	30	27	7
Pension contributions	198	198	—	—	—	—	—
Total	$ 5,992	$ 750	$ 345	$ 233	$ 30	$ 527	$ 4,107

[1] Payments due have not been reduced to reflect that the Company held capital trust securities of $37 principal amount ($50 carrying value).

(c) Market Risk

Market risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate as a result of changes in market factors which include three types: currency risk, interest rate (including related inflation) risk and equity risk.

<u>Caution Related to Risk Sensitivities</u>
These financial statements include estimates of sensitivities and risk exposure measures for certain risks, such as the sensitivity due to specific changes in interest rate levels projected and market prices as at the valuation date. Actual results can differ significantly from these estimates for a variety of reasons including:

- Assessment of the circumstances that led to the scenario may lead to changes in (re)investment approaches and interest rate scenarios considered,
- Changes in actuarial, investment return and future investment activity assumptions,
- Actual experience differing from the assumptions,
- Changes in business mix, effective income tax rates and other market factors,
- Interactions among these factors and assumptions when more than one changes, and
- The general limitations of the Company's internal models.

For these reasons, the sensitivities should only be viewed as directional estimates of the underlying sensitivities for the respective factors based on the assumptions outlined above. Given the nature of these calculations, the Company cannot provide assurance that the actual impact on net earnings attributed to shareholders will be as indicated.

(i) Currency Risk

Currency risk relates to the Company operating and holding financial instruments in different currencies. For the assets backing insurance and investment contract liabilities that are not matched by currency, changes in foreign exchange rates can expose the Company to the risk of foreign exchange losses not offset by liability decreases. The Company has net investments in foreign operations. In addition, the Company's debt obligations are mainly denominated in Canadian dollars. In accordance with IFRS, foreign currency translation gains and losses from net investments in foreign operations, net of related hedging activities and tax effects, are recorded in accumulated other comprehensive income. Strengthening or weakening of the Canadian dollar spot rate compared to the U.S. dollar, British pound and euro spot rates impacts the Company's total equity. Correspondingly, the Company's book value per share and capital ratios monitored by rating agencies are also impacted. The following policies and procedures are in place to mitigate the Company's exposure to currency risk:

- The Company uses financial measures such as constant currency calculations to monitor the effect of currency translation fluctuations.
- Investments are normally made in the same currency as the liabilities supported by those investments. Segmented Investment Guidelines include maximum tolerances for unhedged currency mismatch exposures.
- Foreign currency assets acquired to back liabilities are normally converted back to the currency of the liability using foreign exchange contracts.
- A 10% weakening of the Canadian dollar against foreign currencies would be expected to increase non-participating insurance and investment contract liabilities and their supporting assets by approximately the same amount resulting in an immaterial change to net earnings. A 10% strengthening of the Canadian dollar against foreign currencies would be expected to decrease non-participating insurance and investment contract liabilities and their supporting assets by approximately the same amount resulting in an immaterial change in net earnings.

(ii) Interest Rate Risk

Interest rate risk exists if asset and liability cash flows are not closely matched and interest rates change causing a difference in value between the asset and liability. The following policies and procedures are in place to mitigate the Company's exposure to interest rate risk:

- The Company utilizes a formal process for managing the matching of assets and liabilities. This involves grouping general fund assets and liabilities into segments. Assets in each segment are managed in relation to the liabilities in the segment.
- Interest rate risk is managed by investing in assets that are suitable for the products sold.
- Where these products have benefit or expense payments that are dependent on inflation (inflation-indexed annuities, pensions and disability claims) the Company generally invests in real return instruments to hedge its real dollar liability cash flows. Some protection against changes in the inflation index is achieved as any related change in the fair value of the assets will be largely offset by a similar change in the fair value of the liabilities.
- For products with fixed and highly predictable benefit payments, investments are made in fixed income assets or real estate whose cash flows closely match the liability product cash flows. Where assets are not available to match certain period cash flows, such as long-tail cash flows, a portion of these are invested in equities and the rest are duration matched. Hedging instruments are employed where necessary when there is a lack of suitable permanent investments to minimize loss exposure to interest rate changes. To the extent these cash flows are matched, protection against interest rate change is achieved and any change in the fair value of the assets will be offset by a similar change in the fair value of the liabilities.

- For products with less predictable timing of benefit payments, investments are made in fixed income assets with cash flows of a shorter duration than the anticipated timing of benefit payments, or equities as described below.
- The risk associated with the mismatch in portfolio duration and cash flow, asset prepayment exposure and the pace of asset acquisition are quantified and reviewed regularly.

Projected cash flows from the current assets and liabilities are used in the Canadian Asset Liability Method to determine insurance contract liabilities. Valuation assumptions have been made regarding rates of returns on supporting assets, fixed income, equity and inflation. The valuation assumptions use best estimates of future reinvestment rates and inflation assumptions with an assumed correlation together with margins for adverse deviation set in accordance with professional standards. These margins are necessary to provide for possibilities of misestimation and/or future deterioration in the best estimate assumptions and provide reasonable assurance that insurance contract liabilities cover a range of possible outcomes. Margins are reviewed periodically for continued appropriateness.

Projected cash flows from fixed income assets used in actuarial calculations are reduced to provide for potential asset default losses. The net effective yield rate reduction averaged 0.18% (0.18% in 2014). The calculation for future credit losses on assets is based on the credit quality of the underlying asset portfolio.

Testing under a number of interest rate scenarios (including increasing, decreasing and fluctuating rates) is done to assess reinvestment risk. The total provision for interest rates is sufficient to cover a broader or more severe set of risks than the minimum arising from the current Canadian Institute of Actuaries prescribed scenarios.

The range of interest rates covered by these provisions is set in consideration of long-term historical results and is monitored quarterly with a full review annually. An immediate 1% parallel shift in the yield curve would not have a material impact on the Company's view of the range of interest rates to be covered by the provisions. If sustained however, the parallel shift could impact the Company's range of scenarios covered.

The total provision for interest rates also considers the impact of the Canadian Institute of Actuaries prescribed scenarios:

- The effect of an immediate 1% parallel increase in the yield curve on the prescribed scenarios would not change the total provision for interest rates.
- The effect of an immediate 1% parallel decrease in the yield curve on the prescribed scenarios would not change the total provision for interest rates.

Another way of measuring the interest rate risk associated with this assumption is to determine the effect on the insurance and investment contract liabilities impacting the shareholders earnings of the Company of a 1% change in the Company's view of the range of interest rates to be covered by these provisions:

- The effect of an immediate 1% increase in the low and high end of the range of interest rates recognized in the provisions would be to decrease these insurance and investment contract liabilities by approximately $163 causing an increase in net earnings of approximately $109.
- The effect of an immediate 1% decrease in the low and high end of the range of interest rates recognized in the provisions would be to increase these insurance and investment contract liabilities by approximately $614 causing a decrease in net earnings of approximately $430.

(iii) Equity Risk

Equity risk is the uncertainty associated with the valuation of assets and liabilities arising from changes in equity markets and other pricing risk. To mitigate pricing risk, the Company has investment policy guidelines in place that provide for prudent investment in equity markets within clearly defined limits. The risks associated with segregated fund guarantees have been mitigated through a hedging program for lifetime Guaranteed Minimum Withdrawal Benefit guarantees using equity futures, currency forwards, and interest rate derivatives. For policies with segregated fund guarantees, the Company generally determines insurance contract liabilities at a conditional tail expectation of 75 (CTE75) level.

Some insurance and investment contract liabilities are supported by investment properties, common stocks and private equities, for example segregated fund products and products with long-tail cash flows. Generally these liabilities will fluctuate in line with equity values. There will be additional impacts on these liabilities as equity values fluctuate. A 10% increase in equity values would be expected to additionally decrease non-participating insurance and investment contract liabilities by approximately $53 causing an increase in net earnings of approximately $45. A 10% decrease in equity values would be expected to additionally increase non-participating insurance and investment contract liabilities by approximately $139 causing a decrease in net earnings of approximately $108.

The best estimate return assumptions for equities are primarily based on long-term historical averages. Changes in the current market could result in changes to these assumptions and will impact both asset and liability cash flows. A 1% increase in the best estimate assumption would be expected to decrease non-participating insurance contract liabilities by approximately $534 causing an increase in net earnings of approximately $433. A 1% decrease in the best estimate assumption would be expected to increase non-participating insurance contract liabilities by approximately $573 causing a decrease in net earnings of approximately $457.

8. Fair Value Measurement

The Company's assets and liabilities recorded at fair value have been categorized based upon the following fair value hierarchy:

Level 1: Fair value measurements utilize observable, quoted prices (unadjusted) in active markets for identical assets or liabilities that the Company has the ability to access. Assets and liabilities utilizing Level 1 inputs include actively exchange-traded equity securities, exchange-traded futures, and mutual and segregated funds which have available prices in an active market with no redemption restrictions.

Level 2: Fair value measurements utilize inputs other than quoted prices included in Level 1 that are observable for the asset or liability, either directly or indirectly. Level 2 inputs include quoted prices for similar assets and liabilities in active markets, and inputs other than quoted prices that are observable for the asset or liability, such as interest rates and yield curves that are observable at commonly quoted intervals. The fair values for some Level 2 securities were obtained from a pricing service. The pricing service inputs include, but are not limited to, benchmark yields, reported trades, broker/dealer quotes, issuer spreads, two-sided markets, benchmark securities, offers and reference data. Level 2 assets and liabilities include those priced using a matrix which is based on credit quality and average life, government and agency securities, restricted stock, some private bonds and equities, most investment-grade and high-yield corporate bonds, most asset-backed securities, most over-the-counter derivatives, and mortgage loans. Investment contracts that are measured at fair value are included in the Level 2 category.

Level 3: Fair value measurements utilize one or more significant inputs that are not based on observable market inputs and include situations where there is little, if any, market activity for the asset or liability. The values of the majority of Level 3 securities were obtained from single broker quotes, internal pricing models, or external appraisers. Assets and liabilities utilizing Level 3 inputs generally include certain bonds, certain asset-backed securities, some private equities, investments in mutual and segregated funds where there are redemption restrictions, certain over-the-counter derivatives, and investment properties.

The following presents the Company's assets and liabilities measured at fair value on a recurring basis by hierarchy level:

	2015			
Assets measured at fair value	**Level 1**	**Level 2**	**Level 3**	**Total**
Cash and cash equivalents	**$ 2,813**	**$ —**	**$ —**	**$ 2,813**
Financial assets at fair value through profit or loss				
Bonds	**—**	**86,493**	**10**	**86,503**
Stocks	**6,573**	**8**	**66**	**6,647**
Total financial assets at fair value through profit or loss	**6,573**	**86,501**	**76**	**93,150**
Available-for-sale financial assets				
Bonds	**—**	**11,534**	**1**	**11,535**
Stocks	**56**	**—**	**1**	**57**
Total available-for-sale financial assets	**56**	**11,534**	**2**	**11,592**
Investment properties	**—**	**—**	**5,237**	**5,237**
Derivatives [1]	**4**	**457**	**—**	**461**
Other assets:				
Trading account assets	**381**	**204**	**5**	**590**
Total assets measured at fair value	**$ 9,827**	**$ 98,696**	**$ 5,320**	**$ 113,843**
Liabilities measured at fair value				
Derivatives [2]	**$ 3**	**$ 2,621**	**$ —**	**$ 2,624**
Investment contract liabilities	**—**	**2,153**	**27**	**2,180**
Total liabilities measured at fair value	**$ 3**	**$ 4,774**	**$ 27**	**$ 4,804**

(1) Excludes collateral received of $107.
(2) Excludes collateral pledged of $608.

There were no transfers of the Company's assets and liabilities between Level 1 and Level 2 in the period.

	2014			
Assets measured at fair value	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	$ 2,498	$ —	$ —	$ 2,498
Financial assets at fair value through profit or loss				
Bonds	—	79,914	86	80,000
Stocks	6,594	6	17	6,617
Total financial assets at fair value through profit or loss	6,594	79,920	103	86,617
Available-for-sale financial assets				
Bonds	—	9,989	1	9,990
Stocks	49	—	1	50
Total available-for-sale financial assets	49	9,989	2	10,040
Investment properties	—	—	4,613	4,613
Derivatives (1)	1	651	—	652
Other assets:				
Trading account assets	262	143	—	405
Other (2)	16	—	—	16
Total assets measured at fair value	$ 9,420	$ 90,703	$ 4,718	$ 104,841
Liabilities measured at fair value				
Derivatives (3)	$ 4	$ 1,191	$ —	$ 1,195
Investment contract liabilities	—	829	28	857
Other liabilities	16	—	—	16
Total liabilities measured at fair value	$ 20	$ 2,020	$ 28	$ 2,068

(1) Excludes collateral received of $52.
(2) Includes cash collateral under securities lending agreements.
(3) Excludes collateral pledged of $273.

There were no transfers of the Company's assets and liabilities between Level 1 and Level 2 in the period.

8. Fair Value Measurement (cont'd)

The following presents additional information about assets and liabilities measured at fair value on a recurring basis and for which the Company has utilized Level 3 inputs to determine fair value:

	2015							
	Fair value through profit or loss bonds	**Available-for-sale bonds**	**Fair value through profit or loss stocks** (3)	**Available-for-sale stocks**	**Investment properties**	**Other assets - trading account** (4)	**Total Level 3 assets**	**Investment contract liabilities**
Balance, beginning of year	$ 86	$ 1	$ 17	$ 1	$ 4,613	$ —	$ 4,718	$ 28
Total gains								
Included in net earnings	5	—	7	—	249	—	261	—
Included in other comprehensive income (1)	—	—	—	—	379	—	379	—
Purchases	—	—	50	—	278	5	333	—
Sales	—	—	(4)	—	(282)	—	(286)	—
Repayments	(47)	—	—	—	—	—	(47)	—
Other	—	—	—	—	—	—	—	(1)
Transfers into Level 3 (2)	—	—	—	—	—	—	—	—
Transfers out of Level 3 (2)	(34)	—	(4)	—	—	—	(38)	—
Balance, end of year	$ 10	$ 1	$ 66	$ 1	$ 5,237	$ 5	$ 5,320	$ 27
Total gains for the year included in net investment income	$ 5	$ —	$ 7	$ —	$ 249	$ —	$ 261	$ —
Change in unrealized gains for the year included in earnings for assets held at December 31, 2015	$ 5	$ —	$ 7	$ —	$ 243	$ —	$ 255	$ —

(1) Amount of other comprehensive income for investment properties represents the unrealized gains on foreign exchange.

(2) Transfers into Level 3 are due primarily to decreased observability of inputs in valuation methodologies. Transfers out of Level 3 are due primarily to increased observability of inputs in valuation methodologies as evidenced by corroboration of market prices with multiple pricing vendors or the lifting of redemption restrictions on investments in mutual and segregated funds.

(3) Includes investments in mutual and segregated funds where there are redemption restrictions. The fair value is based on observable, quoted prices.

(4) Includes illiquid equities where prices are not quoted; however, the Company does not believe changing the inputs to reasonably alternate assumptions would change the values significantly.

8. Fair Value Measurement (cont'd)

	2014							
	Fair value through profit or loss bonds	Available-for-sale bonds	Fair value through profit or loss stocks [3]	Available-for-sale stocks	Investment properties	Other assets - trading account [4]	Total Level 3 assets	Investment contract liabilities
Balance, beginning of year	$ 333	$ 24	$ 24	$ 1	$ 4,288	$ 21	$ 4,691	$ 30
Total gains (losses)								
Included in net earnings	6	—	(1)	—	262	1	268	—
Included in other comprehensive income [1]	—	1	—	—	56	—	57	—
Purchases	33	—	8	—	127	—	168	—
Sales	—	—	(13)	—	(98)	(22)	(133)	—
Repayments	(1)	—	—	—	—	—	(1)	—
Transferred to owner occupied properties	—	—	—	—	(13)	—	(13)	—
Other	—	—	—	—	(9)	—	(9)	(2)
Transfers into Level 3 [2]	—	—	—	—	—	—	—	—
Transfers out of Level 3 [2]	(285)	(24)	(1)	—	—	—	(310)	—
Balance, end of year	$ 86	$ 1	$ 17	$ 1	$ 4,613	$ —	$ 4,718	$ 28
Total gains (losses) for the year included in net investment income	$ 6	$ —	$ (1)	$ —	$ 262	$ 1	$ 268	$ —
Change in unrealized gains (losses) for the year included in earnings for assets held at December 31, 2014	$ 6	$ —	$ (3)	$ —	$ 229	$ 1	$ 233	$ —

(1) Amount of other comprehensive income for investment properties represents the unrealized gains on foreign exchange.

(2) Transfers into Level 3 are due primarily to decreased observability of inputs in valuation methodologies. Transfers out of Level 3 are due primarily to increased observability of inputs in valuation methodologies as evidenced by corroboration of market prices with multiple pricing vendors or the lifting of redemption restrictions on investments in mutual and segregated funds.

(3) Includes investments in mutual and segregated funds where there are redemption restrictions. The fair value is based on observable, quoted prices.

(4) Includes illiquid equities where prices are not quoted; however, the Company does not believe changing the inputs to reasonably alternate assumptions would change the values significantly.

The following sets out information about significant unobservable inputs used at year-end in measuring assets and liabilities categorized as Level 3 in the fair value hierarchy.

Type of asset	Valuation approach	Significant unobservable input	Input value	Inter-relationship between key unobservable inputs and fair value measurement
Investment properties	Investment property valuations are generally determined using property valuation models based on expected capitalization rates and models that discount expected future net cash flows. The determination of the fair value of investment property requires the use of estimates such as future cash flows (such as future leasing assumptions, rental rates, capital and operating expenditures) and discount, reversionary and overall capitalization rates applicable to the asset based on current market rates.	Discount rate	Range of 3.2% - 10.0%	A decrease in the discount rate would result in an increase in fair value. An increase in the discount rate would result in a decrease in fair value.
		Reversionary rate	Range of 4.8% - 8.3%	A decrease in the reversionary rate would result in an increase in fair value. An increase in the reversionary rate would result in a decrease in fair value.
		Vacancy rate	Weighted average of 3.9%	A decrease in the expected vacancy rate would generally result in an increase in fair value. An increase in the expected vacancy rate would generally result in a decrease in fair value.

The following presents the Company's assets and liabilities disclosed at fair value on a recurring basis by hierarchy level:

	2015				
	Level 1	Level 2	Level 3	Other assets/ liabilities not held at fair value	Total
Assets disclosed at fair value					
Loans and receivables financial assets					
Bonds	$ —	$ 18,145	$ 108	$ —	$ 18,253
Mortgage loans	—	23,446	—	—	23,446
Total loans and receivables financial assets	—	41,591	108	—	41,699
Other stocks [1]	325	—	—	276	601
Total assets disclosed at fair value	$ 325	$ 41,591	$ 108	$ 276	$ 42,300
Liabilities disclosed at fair value					
Debentures and other debt instruments	$ 467	$ 5,565	$ —	$ —	$ 6,032
Capital trust securities	—	215	—	—	215
Total liabilities disclosed at fair value	$ 467	$ 5,780	$ —	$ —	$ 6,247

[1] Other stocks include the Company's investments in an affiliated company, IGM, a member of the Power Financial group of companies and Allianz Ireland, an unlisted general insurance company operating in Ireland over which the Company exerts significant influence but does not control.

	2014				
	Level 1	Level 2	Level 3	Other assets/ liabilities not held at fair value	Total
Assets disclosed at fair value					
Loans and receivables financial assets					
Bonds	$ —	$ 14,533	$ 126	$ —	$ 14,659
Mortgage loans	—	22,167	—	—	22,167
Total loans and receivables financial assets	—	36,700	126	—	36,826
Other stocks (1)	426	—	—	238	664
Total assets disclosed at fair value	$ 426	$ 36,700	$ 126	$ 238	$ 37,490
Liabilities disclosed at fair value					
Debentures and other debt instruments	$ 526	$ 5,506	$ 70	$ —	$ 6,102
Capital trust securities	—	220	—	—	220
Total liabilities disclosed at fair value	$ 526	$ 5,726	$ 70	$ —	$ 6,322

(1) Other stocks include the Company's investments in an affiliated company, IGM, a member of the Power Financial group of companies; Allianz Ireland, an unlisted general insurance company operating in Ireland; and a joint venture in GloHealth, a health insurance company operating in Ireland, over which the Company exerts significant influence but does not control.

9. Enforceable Master Netting Arrangements or Similar Agreements

The Company enters into International Swaps and Derivative Association's master agreements for transacting over-the-counter derivatives. The Company receives and pledges collateral according to the related International Swaps and Derivative Association's Credit Support Annexes. The International Swaps and Derivative Association's master agreements do not meet the criteria for offsetting on the Consolidated Balance Sheets because they create a right of set-off that is enforceable only in the event of default, insolvency, or bankruptcy.

For exchange-traded derivatives subject to derivative clearing agreements with the exchanges and clearinghouses, there is no provision for set-off at default. Initial margin is excluded from the table within this disclosure as it would become part of a pooled settlement process.

The Company's reverse repurchase agreements are also subject to right of set-off in the event of default. These transactions and agreements include master netting arrangements which provide for the netting of payment obligations between the Company and its counterparties in the event of default.

The table sets out the potential effect on the Company’s Consolidated Balance Sheets on financial instruments that have been shown in a gross position where right of set-off exists under certain circumstances that do not qualify for netting on the Consolidated Balance Sheets.

	2015			
		Related amounts not set-off in the Balance Sheet		
	Gross amount of financial instruments presented in the Balance Sheet	**Offsetting counterparty position** (1)	**Financial collateral received/ pledged** (2)	**Net exposure**
Financial instruments (assets)				
Derivative financial instruments	**$ 461**	**$ (302)**	**$ (104)**	**$ 55**
Reverse repurchase agreements (3)	**43**	**—**	**(43)**	**—**
Total financial instruments (assets)	**$ 504**	**$ (302)**	**$ (147)**	**$ 55**
Financial instruments (liabilities)				
Derivative instruments	**$ 2,624**	**$ (302)**	**$ (586)**	**$ 1,736**
Total financial instruments (liabilities)	**$ 2,624**	**$ (302)**	**$ (586)**	**$ 1,736**

	2014			
		Related amounts not set-off in the Balance Sheet		
	Gross amount of financial instruments presented in the Balance Sheet	Offsetting counterparty position (1)	Financial collateral received/ pledged (2)	Net exposure
Financial instruments (assets)				
Derivative financial instruments	$ 652	$ (302)	$ (51)	$ 299
Reverse repurchase agreements (3)	44	—	(44)	—
Total financial instruments (assets)	$ 696	$ (302)	$ (95)	$ 299
Financial instruments (liabilities)				
Derivative instruments	$ 1,195	$ (302)	$ (260)	$ 633
Total financial instruments (liabilities)	$ 1,195	$ (302)	$ (260)	$ 633

(1) Includes counterparty amounts recognized on the Consolidated Balance Sheets where the Company has a potential offsetting position (as described above) but does not meet the criteria for offsetting on the balance sheet, excluding collateral.

(2) Financial collateral presented above excludes overcollateralization and, for exchange-traded derivatives, initial margin. Financial collateral received on reverse repurchase agreements is held by a third party. Total financial collateral, including initial margin and overcollateralization, received on derivative assets was $107 ($52 at December 31, 2014), received on reverse repurchase agreements was $44 ($45 at December 31, 2014), and pledged on derivative liabilities was $671 ($299 at December 31, 2014).

(3) Assets related to reverse repurchase agreements are included in bonds, in the Consolidated Balance Sheets.

10. Pledging of Assets for Reinsurance Agreements

The amount of assets included in the Company's balance sheet which have a security interest by way of pledging is $645 ($598 at December 31, 2014) in respect of reinsurance agreements.

11. Goodwill and Intangible Assets

(a) Goodwill

(i) The carrying value of goodwill and changes in the carrying value of goodwill are as follows:

	2015	2014
Balance, beginning of year	**$ 5,855**	$ 5,812
Business acquisitions	**—**	50
Changes in foreign exchange rates	**58**	(7)
Balance, end of year	**$ 5,913**	$ 5,855

Accumulated goodwill impairment losses and changes in accumulated goodwill impairment losses are as follows:

	2015	2014
Balance, beginning of year	**$ 1,043**	$ 953
Changes in foreign exchange rates	**198**	90
Balance, end of year	**$ 1,241**	$ 1,043

(ii) Within each of the three operating segments, goodwill has been assigned to cash generating unit groupings, representing the lowest level in which goodwill is monitored for internal reporting purposes. Lifeco does not allocate insignificant amounts of goodwill and indefinite life intangible assets across multiple cash generating unit groupings. Goodwill is tested for impairment by comparing the carrying value of each cash generating unit grouping to which goodwill has been assigned to its recoverable amount as follows:

	2015	2014
Canada		
Group	**$ 1,047**	$ 1,047
Individual Insurance/Wealth Management	**2,740**	2,740
Europe		
Insurance and Annuities	**1,915**	1,887
Reinsurance	**1**	1
United States		
Financial Services	**210**	180
Total	**$ 5,913**	$ 5,855

(b) Intangible Assets

Intangible assets of $4,036 ($3,625 in 2014) include indefinite life and finite life intangible assets. The carrying value and changes in the carrying value of these intangible assets are as follows:

(i) Indefinite life intangible assets:

	2015			
	Brands and trademarks	**Customer contract related**	**Shareholders' portion of acquired future participating account profit**	**Total**
Cost				
Balance, beginning of year	**$ 921**	**$ 2,592**	**$ 354**	**$ 3,867**
Business acquisitions	**—**	**3**	**—**	**3**
Changes in foreign exchange rates	**99**	**424**	**—**	**523**
Balance, end of year	**$ 1,020**	**$ 3,019**	**$ 354**	**$ 4,393**
Accumulated impairment				
Balance, beginning of year	**$ (140)**	**$ (939)**	**$ —**	**$ (1,079)**
Changes in foreign exchange rates	**(22)**	**(177)**	**—**	**(199)**
Balance, end of year	**$ (162)**	**$ (1,116)**	**$ —**	**$ (1,278)**
Net carrying amount	**$ 858**	**$ 1,903**	**$ 354**	**$ 3,115**

	2014			
	Brands and trademarks	Customer contract related	Shareholders' portion of acquired future participating account profit	Total
Cost				
Balance, beginning of year	$ 893	$ 2,398	$ 354	$ 3,645
Changes in foreign exchange rates	28	194	—	222
Balance, end of year	$ 921	$ 2,592	$ 354	$ 3,867
Accumulated impairment				
Balance, beginning of year	$ (132)	$ (858)	$ —	$ (990)
Changes in foreign exchange rates	(8)	(81)	—	(89)
Balance, end of year	$ (140)	$ (939)	$ —	$ (1,079)
Net carrying amount	$ 781	$ 1,653	$ 354	$ 2,788

(ii) Indefinite life intangible assets have been assigned to the cash generating unit groupings as follows:

	2015	2014
Canada		
Individual Insurance/Wealth Management	**$ 973**	$ 973
Europe		
Insurance and Annuities	**246**	221
United States		
Asset Management	**1,896**	1,594
Total	**$ 3,115**	$ 2,788

(iii) Finite life intangible assets:

	2015			
	Customer contract related	**Distribution channels**	**Technology/ Software**	**Total**
Amortization period range	**9 - 20 years**	**30 years**	**3 - 10 years**	
Weighted average remaining amortization period	**9 years**	**18 years**	**—**	
Amortization method	**Straight-line**	**Straight-line**	**Straight-line**	
Cost				
Balance, beginning of year	**$ 745**	**$ 109**	**$ 864**	**$ 1,718**
Additions	**—**	**—**	**161**	**161**
Changes in foreign exchange rates	**65**	**9**	**81**	**155**
Balance, end of year	**$ 810**	**$ 118**	**$ 1,106**	**$ 2,034**
Accumulated amortization and impairment				
Balance, beginning of year	**$ (338)**	**$ (42)**	**$ (501)**	**$ (881)**
Impairment	**—**	**—**	**(2)**	**(2)**
Changes in foreign exchange rates	**(31)**	**(3)**	**(50)**	**(84)**
Amortization	**(49)**	**(4)**	**(93)**	**(146)**
Balance, end of year	**$ (418)**	**$ (49)**	**$ (646)**	**$ (1,113)**
Net carrying amount	**$ 392**	**$ 69**	**$ 460**	**$ 921**

	2014			
	Customer contract related	Distribution channels	Technology/ Software	Total
Amortization period range	9 - 20 years	30 years	3 - 10 years	
Weighted average remaining amortization period	10 years	19 years	—	
Amortization method	Straight-line	Straight-line	Straight-line	
Cost				
Balance, beginning of year	$ 707	$ 110	$ 709	$ 1,526
Business acquisitions	18	—	—	18
Additions	—	—	120	120
Disposals	—	—	(16)	(16)
Changes in foreign exchange rates	20	(1)	32	51
Other	—	—	19	19
Balance, end of year	$ 745	$ 109	$ 864	$ 1,718
Accumulated amortization and impairment				
Balance, beginning of year	$ (280)	$ (38)	$ (407)	$ (725)
Impairment	—	—	(7)	(7)
Changes in foreign exchange rates	(11)	—	(20)	(31)
Disposals	—	—	14	14
Amortization	(47)	(4)	(81)	(132)
Balance, end of year	$ (338)	$ (42)	$ (501)	$ (881)
Net carrying amount	$ 407	$ 67	$ 363	$ 837

(c) Recoverable Amount

For the purposes of annual impairment testing, the Company allocates goodwill and indefinite life intangible assets to cash generating unit groupings. Any potential impairment of goodwill or indefinite life intangible assets is identified by comparing the recoverable amount of a cash generating unit grouping to its carrying value. Recoverable amount is based on fair value less cost of disposal.

Fair value is initially assessed with reference to valuation multiples of comparable publicly-traded financial institutions and precedent business acquisitions transactions. These valuation multiples may include price-to-earnings or price-to-book measures for life insurers and asset managers. This assessment may give regard to a variety of relevant considerations, including expected growth, risk and capital market conditions, among other factors. The valuation multiples used in assessing fair value represent Level 2 inputs.

In the fourth quarter of 2015, the Company conducted its annual impairment testing of goodwill and indefinite life intangible assets based on September 30, 2015 asset balances. It was determined that the recoverable amounts of cash generating unit groupings were in excess of their carrying values and there was no evidence of impairment.

Any reasonable changes in assumptions and estimates used in determining recoverable amounts of cash generating unit groupings is unlikely to cause carrying values to exceed recoverable amounts.

12. Owner Occupied Properties and Fixed Assets

The carrying value of owner occupied properties and the changes in the carrying value of owner occupied properties is as follows:

	2015	2014
Carrying value, beginning of year	**$ 671**	$ 634
Less: accumulated depreciation/impairments	**(52)**	(44)
Net carrying value, beginning of year	**619**	590
Additions	**10**	13
Impairments	**(1)**	—
Disposals	**(1)**	—
Transferred from investment properties	**—**	13
Depreciation	**(9)**	(8)
Foreign exchange	**35**	11
Net carrying value, end of year	**$ 653**	$ 619

The net carrying value of fixed assets is $298 at December 31, 2015 ($228 at December 31, 2014).

The following provides details of the net carrying value of owner occupied properties and fixed assets by geographic location:

	2015	2014
Canada	**$ 531**	$ 507
United States	**277**	212
Europe	**143**	128
Total	**$ 951**	$ 847

There are no restrictions on the title of the owner occupied properties and fixed assets, nor are they pledged as security for debt.

13. Other Assets

	2015	2014
Deferred acquisition costs [1]	$ 704	$ 685
Trading account assets [2]	590	405
Finance leases receivable	293	285
Defined benefit pension plan assets (note 24)	250	275
Prepaid expenses	103	92
Miscellaneous other assets [1]	703	626
Total	**$ 2,643**	$ 2,368

[1] During the year, the Company reclassified $41 of other assets from miscellaneous other assets to deferred acquisitions costs at December 31, 2014 ($37 at January 1, 2014) to conform to the current year's presentation.

[2] Includes bonds of $124 and stocks of $466 at December 31, 2015 (bonds of $78 and stocks of $327 at December 31, 2014).

Total other assets of $1,421 ($1,151 at December 31, 2014) are expected to be realized within 12 months from the reporting date. This amount excludes deferred acquisition costs, the changes in which are noted below.

Deferred acquisition costs

	2015	2014
Balance, beginning of year	$ 685	$ 724
Additions	120	119
Amortization	(111)	(102)
Changes in foreign exchange	66	3
Disposals	(56)	(59)
Balance, end of year	**$ 704**	$ 685

Finance leases receivable

The Company has a finance lease on one property in Canada which has been leased for a 25-year term. The Company has two finance leases on properties in Europe. These properties have been leased for a 35-year term.

The finance lease receivable for the three properties, in aggregate, is as follows:

	2015	
	Minimum lease payments	**Present value of minimum lease payments**
One year	$ 25	$ 23
Over one to five years	95	77
Over five years	590	193
	710	293
Less: unearned finance lease income	417	—
Total finance leases receivable	**$ 293**	**$ 293**

The internal rate of return for the leases is fixed at the contract date and will remain fixed for the duration of the contract, ranging between 5.4% and 7.5%.

14. Segregated Funds and Other Structured Entities

The Company offers segregated fund products in Canada, the U.S. and Europe that are referred to as segregated funds, separate accounts and unit-linked funds in the respective region. These funds are contracts issued by insurers to segregated fund policyholders where the benefit is directly linked to the performance of the investments, the risks or rewards of the fair value movements and net investment income is realized by the segregated fund policyholders. The segregated fund policyholders are required to select the segregated funds that hold a range of underlying investments. While the Company has legal title to the investments, there is a contractual obligation to pass along the investment results to the segregated fund policyholder and the Company segregates these investments from those of the Company.

In Canada and the U.S., the segregated fund and separate account assets are legally separated from the general assets of the Company under the terms of the policyholder agreement and cannot be used to settle obligations of the Company. In Europe, the assets of the funds are functionally and constructively segregated from those of the Company. As a result of the legal and constructive arrangements of these funds, the assets and liabilities of these funds are presented as line items within the Consolidated Balance Sheets titled investments on account of segregated fund policyholders and with an equal liability titled investment and insurance contracts on account of segregated fund policyholders.

In circumstances where the segregated funds are invested in structured entities and are deemed to control the entity, the Company has presented the non-controlling ownership interest within the segregated funds for the risk of policyholders as equal and offsetting amounts in the assets and liabilities. The amounts presented within are $1,390 at December 31, 2015 ($1,012 at December 31, 2014).

Within the Consolidated Statements of Earnings, all segregated fund policyholders' income, including fair value changes and net investment income, is credited to the segregated fund policyholders and reflected in the assets and liabilities on account of segregated fund policyholders within the Consolidated Balance Sheets. As these amounts do not directly impact the revenues and expenses of the Company, these amounts are not included separately in the Consolidated Statements of Earnings.

<u>Segregated Funds Guarantee Exposure</u>

The Company offers retail segregated fund products, unitized with profits (UWP) products and variable annuity products that provide for certain guarantees that are tied to the market values of the investment funds. While these products are similar to mutual funds, there is a key difference from mutual funds as the segregated funds have certain guarantee features that protect the segregated fund policyholder from market declines in the underlying investments. These guarantees are the Company's primary exposure on these funds. The Company accounts for these guarantees within insurance and investment contract liabilities within the financial statements. In addition to the Company's exposure on the guarantees, the fees earned by the Company on these products are impacted by the market value of these funds.

In Canada, the Company offers retail segregated fund products through Great-West Life, London Life and Canada Life. These products provide guaranteed minimum death benefits (GMDB) and guaranteed minimum accumulation on maturity benefits.

In the U.S., the Company offers variable annuities with GMDB through Great-West Financial. Most are a return of premium on death with the guarantee expiring at age 70.

In Europe, the Company offers UWP products through Canada Life and unit-linked products with investment guarantees through Irish Life. These products are similar to segregated fund products, but include pooling of policyholders' funds and minimum credited interest rates.

The Company also offers a guaranteed minimum withdrawal benefits (GMWB) product in Canada, the U.S. and Germany. The GMWB products offered by the Company offer levels of death and maturity guarantees. At December 31, 2015, the amount of GMWB product in-force in Canada, the U.S., Ireland and Germany was $3,488 ($3,016 at December 31, 2014).

The Company's exposure to these guarantees is set out as follows:

	2015			
	Investment deficiency by benefit type			
	Income	**Maturity**	**Death**	**Total [1]**
Canada	**$ —**	**$ 48**	**$ 213**	**$ 213**
United States	**28**	**—**	**55**	**83**
Europe	**444**	**—**	**473**	**914**
Total	**$ 472**	**$ 48**	**$ 741**	**$ 1,210**

	2014			
	Investment deficiency by benefit type			
	Income	Maturity	Death	Total [1]
Canada	$ —	$ 30	$ 97	$ 97
United States	1	—	43	44
Europe	351	36	72	422
Total	$ 352	$ 66	$ 212	$ 563

[1] A policy can only receive a payout from one of the three trigger events (income election, maturity or death). Total deficiency measures the point-in-time exposure assuming the most costly trigger event for each policy occurred on December 31, 2015 and December 31, 2014.

The investment deficiency measures the point-in-time exposure to a trigger event (i.e. income election, maturity, or death) assuming it occurred on December 31, 2015. The actual cost to the Company will depend on the trigger event having occurred and the market values at that time. The actual claims before tax associated with these guarantees was approximately $15 for the year ended December 31, 2015 ($10 for the year ended December 31, 2014), with the majority arising in the Europe segment.

For further details on the Company's risk and guarantee exposure and the management of these risks, refer to the Risk Management and Control Practice section of the Company's December 31, 2015 Management's Discussion and Analysis.

The following presents further details of the investments, determined in accordance with the relevant statutory reporting requirements of each region of the Company's operations, on account of segregated fund policyholders:

(a) Investments on account of segregated fund policyholders

	2015	2014
Cash and cash equivalents	**$ 11,656**	$ 11,052
Bonds	**42,160**	37,912
Mortgage loans	**2,596**	2,508
Stocks and units in unit trusts	**80,829**	68,911
Mutual funds	**50,101**	46,707
Investment properties	**10,839**	9,533
	198,181	176,623
Accrued income	**382**	364
Other liabilities	**(1,759)**	(3,033)
Non-controlling mutual funds interest	**1,390**	1,012
Total	**$ 198,194**	$ 174,966

(b) Investment and insurance contracts on account of segregated fund policyholders

	2015	2014
Balance, beginning of year	**$ 174,966**	$ 160,779
Additions (deductions):		
Policyholder deposits	**21,592**	20,909
Net investment income	**2,855**	2,997
Net realized capital gains on investments	**4,780**	5,683
Net unrealized capital gains (losses) on investments	**(2,938)**	5,301
Unrealized gains due to changes in foreign exchange rates	**12,933**	826
Policyholder withdrawals	**(21,934)**	(21,057)
Business acquisition (note 3)	**5,465**	—
Segregated fund investment in General Fund	**43**	(382)
General Fund investment in Segregated Fund	**(11)**	(401)
Net transfer from General Fund	**65**	71
Non-controlling mutual funds interest	**378**	240
Total	**23,228**	14,187
Balance, end of year	**$ 198,194**	$ 174,966

(c) Investment income on account of segregated fund policyholders

	2015	2014
Net investment income	**$ 2,855**	$ 2,997
Net realized capital gains on investments	**4,780**	5,683
Net unrealized capital gains (losses) on investments	**(2,938)**	5,301
Unrealized gains due to changes in foreign exchange rates	**12,933**	826
Total	**17,630**	14,807
Change in investment and insurance contracts liability on account of segregated fund policyholders	**17,630**	14,807
Net	**$ —**	$ —

(d) Investments on account of segregated fund policyholders by fair value hierarchy level (note 8)

	2015			
	Level 1	**Level 2**	**Level 3**	**Total**
Investments on account of segregated fund policyholders [1]	**$ 120,283**	**$ 67,333**	**$ 11,765**	**$ 199,381**

[1] Excludes other liabilities, net of other assets, of $1,187.

	2014			
	Level 1	Level 2	Level 3	Total
Investments on account of segregated fund policyholders [1]	$ 112,189	$ 54,942	$ 10,390	$ 177,521

[1] Excludes other liabilities, net of other assets, of $2,555.

During 2015, certain foreign stock holdings valued at $412 have been transferred from Level 1 to Level 2 ($2,234 were transferred from Level 1 to Level 2 at December 31, 2014) based on the Company's ability to utilize observable, quoted prices in active markets.

Level 2 assets include those assets where fair value is not available from normal market pricing sources and where the Company does not have visibility through to the underlying assets.

The following presents additional information about the Company's investments on account of segregated fund policyholders for which the Company has utilized Level 3 inputs to determine fair value:

	2015	2014
Balance, beginning of year	**$ 10,390**	$ 9,298
Total gains included in segregated fund investment income	**1,039**	782
Purchases	**944**	919
Sales	**(607)**	(603)
Transfers into Level 3	**—**	4
Transfers out of Level 3	**(1)**	(10)
Balance, end of year	**$ 11,765**	$ 10,390

Transfers into Level 3 are due primarily to decreased observability of inputs in valuation methodologies. Transfers out of Level 3 are due primarily to increased observability of inputs in valuation methodologies as evidenced by corroboration of market prices with multiple pricing vendors.

In addition to the segregated funds, the Company has interests in a number of structured unconsolidated entities including mutual funds, open-ended investment companies, and unit trusts. These entities are created as investment strategies for its unit-holders based on the directive of each individual fund.

Some of these funds are managed by related parties of the Company and the Company receives management fees related to these services. Management fees can be variable due to performance of factors – such as markets or industries – in which the fund invests. Fee income derived in connection with the management of investment funds generally increases or decreases in direct relationship with changes of assets under management which is affected by prevailing market conditions, and the inflow and outflow of client assets.

Factors that could cause assets under management and fees to decrease include declines in equity markets, changes in fixed income markets, changes in interest rates and defaults, redemptions and other withdrawals, political and other economic risks, changing investment trends and relative investment performance. The risk is that fees may vary but expenses and recovery of initial expenses are relatively fixed, and market conditions may cause a shift in asset mix potentially resulting in a change in revenue.

During 2015, fee and other income earned by the Company resulting from the Company’s interests in these structured entities was $4,291 ($3,813 during 2014).

Included within other assets (note 13) at December 31, 2015 is $501 ($327 at December 31, 2014) of investments by the Company in bonds and stocks of Putnam sponsored funds and $89 ($78 at December 31, 2014) of investments in stocks of sponsored unit trusts in Europe.

15. Insurance and Investment Contract Liabilities

(a) Insurance and investment contract liabilities

	2015		
	Gross liability	**Reinsurance assets**	**Net**
Insurance contract liabilities	**$ 158,492**	**$ 5,131**	**$ 153,361**
Investment contract liabilities	**2,180**	**—**	**2,180**
Total	**$ 160,672**	**$ 5,131**	**$ 155,541**

	2014		
	Gross liability	Reinsurance assets	Net
Insurance contract liabilities	$ 145,198	$ 5,151	$ 140,047
Investment contract liabilities	857	—	857
Total	$ 146,055	$ 5,151	$ 140,904

(b) Composition of insurance and investment contract liabilities and related supporting assets

(i) The composition of insurance and investment contract liabilities is as follows:

	2015		
	Gross liability	**Reinsurance assets**	**Net**
Participating			
Canada	**$ 32,072**	**$ (419)**	**$ 32,491**
United States	**12,278**	**16**	**12,262**
Europe	**1,519**	**—**	**1,519**
Non-Participating			
Canada	**28,162**	**794**	**27,368**
United States	**27,625**	**339**	**27,286**
Europe	**59,016**	**4,401**	**54,615**
Total	**$ 160,672**	**$ 5,131**	**$ 155,541**

	2014		
	Gross liability	Reinsurance assets	Net
Participating			
Canada	$ 31,181	$ (156)	$ 31,337
United States	10,362	12	10,350
Europe	1,377	—	1,377
Non-Participating			
Canada	28,094	832	27,262
United States	22,611	233	22,378
Europe	52,430	4,230	48,200
Total	$ 146,055	$ 5,151	$ 140,904

(ii) The composition of the assets supporting liabilities and equity is as follows:

	2015					
	Bonds	**Mortgage loans**	**Stocks [1]**	**Investment properties**	**Other**	**Total**
Carrying value						
Participating liabilities						
Canada	**$ 15,332**	**$ 7,816**	**$ 4,112**	**$ 1,341**	**$ 3,471**	**$ 32,072**
United States	**5,887**	**485**	**—**	**—**	**5,906**	**12,278**
Europe	**1,087**	**40**	**154**	**71**	**167**	**1,519**
Non-participating liabilities						
Canada	**18,848**	**3,839**	**1,732**	**7**	**3,736**	**28,162**
United States	**23,023**	**3,813**	**—**	**—**	**789**	**27,625**
Europe	**32,985**	**4,358**	**226**	**3,342**	**18,105**	**59,016**
Other	**12,045**	**941**	**—**	**65**	**200,952**	**214,003**
Total equity	**5,736**	**729**	**1,649**	**411**	**16,735**	**25,260**
Total carrying value	**$ 114,943**	**$ 22,021**	**$ 7,873**	**$ 5,237**	**$ 249,861**	**$ 399,935**
Fair value	**$ 116,291**	**$ 23,446**	**$ 7,305**	**$ 5,237**	**$ 249,861**	**$ 402,140**

[1] Fair value excludes stocks classified as available-for-sale and carried at cost when a fair value cannot be reliably measured.

	2014					
	Bonds	Mortgage loans	Stocks [1]	Investment properties	Other	Total
Carrying value						
Participating liabilities						
Canada	$ 13,856	$ 7,810	$ 4,270	$ 1,167	$ 4,078	$ 31,181
United States	5,080	278	—	—	5,004	10,362
Europe	968	38	144	63	164	1,377
Non-participating liabilities						
Canada	18,991	3,941	1,740	5	3,417	28,094
United States	18,678	3,330	—	—	603	22,611
Europe	30,723	3,702	191	2,738	15,076	52,430
Other	9,998	690	4	107	177,958	188,757
Total equity	4,874	757	1,471	533	14,262	21,897
Total carrying value	$ 103,168	$ 20,546	$ 7,820	$ 4,613	$ 220,562	$ 356,709
Fair value	$ 104,649	$ 22,167	$ 7,331	$ 4,613	$ 220,562	$ 359,322

[1] Fair value excludes stocks classified as available-for-sale and carried at cost when a fair value cannot be reliably measured.

Cash flows of assets supporting insurance and investment contract liabilities are matched within reasonable limits. Changes in the fair values of these assets are essentially offset by changes in the fair value of insurance and investment contract liabilities.

Changes in the fair values of assets backing capital and surplus, less related income taxes, would result in a corresponding change in surplus over time in accordance with investment accounting policies.

(c) Change in insurance contract liabilities

The change in insurance contract liabilities during the year was the result of the following business activities and changes in actuarial estimates:

	2015		
	Participating		
	Gross liability	Reinsurance assets	Net
Balance, beginning of year	$ 42,893	$ (144)	$ 43,037
Impact of new business	23	—	23
Normal change in force	1,046	(70)	1,116
Management action and changes in assumptions	(276)	(192)	(84)
Impact of foreign exchange rate changes	2,158	3	2,155
Balance, end of year	$ 45,844	$ (403)	$ 46,247

	Non-participating			
	Gross liability	Reinsurance assets	Net	Total Net
Balance, beginning of year	$ 102,305	$ 5,295	$ 97,010	$ 140,047
Impact of new business	4,380	126	4,254	4,277
Normal change in force	(5,711)	(178)	(5,533)	(4,417)
Management action and changes in assumptions	(489)	(78)	(411)	(495)
Business movement from/to external parties	1,588	(2)	1,590	1,590
Impact of foreign exchange rate changes	10,575	371	10,204	12,359
Balance, end of year	$ 112,648	$ 5,534	$ 107,114	$ 153,361

	2014		
	Participating		
	Gross liability	Reinsurance assets	Net
Balance, beginning of year	$ 39,663	$ (121)	$ 39,784
Impact of new business	20	—	20
Normal change in force	2,312	8	2,304
Management action and changes in assumptions	(42)	(32)	(10)
Impact of foreign exchange rate changes	940	1	939
Balance, end of year	$ 42,893	$ (144)	$ 43,037

	Non-participating			
	Gross liability	Reinsurance assets	Net	Total Net
Balance, beginning of year	$ 91,511	$ 5,191	$ 86,320	$ 126,104
Impact of new business	6,062	152	5,910	5,930
Normal change in force	2,588	162	2,426	4,730
Management action and changes in assumptions	(440)	(24)	(416)	(426)
Business movement from/to external parties	(100)	(25)	(75)	(75)
Impact of foreign exchange rate changes	2,684	(161)	2,845	3,784
Balance, end of year	$ 102,305	$ 5,295	$ 97,010	$ 140,047

Under fair value accounting, movement in the fair value of the supporting assets is a major factor in the movement of insurance contract liabilities. Changes in the fair value of assets are largely offset by corresponding changes in the fair value of liabilities. The change in the value of the insurance contract liabilities associated with the change in the value of the supporting assets is included in the normal change in force above.

On May 15, 2014, the Canadian Actuarial Standards Board published the Standards of Practice (Standards) effective October 15, 2014, reflecting revisions to economic reinvestment assumptions used in the valuation of insurance contract liabilities.

In 2015, the major contributors to the increase in net insurance contract liabilities were the impact of foreign exchange rate changes of $12,359, the impact of new business of $4,277, and business movement from/to external parties of $1,590, which was primarily due to the acquisition of Equitable Life's annuity business during the first quarter of 2015, partially offset by decreases due to the normal changes in the in force business of $4,417, which was primarily due to the change in fair value, and management actions and assumption changes of $495.

Net non-participating insurance contract liabilities decreased by $411 in 2015 due to management actions and assumption changes including a $50 decrease in Canada, a $331 decrease in Europe and a $30 decrease in the United States.

The decrease in Canada was primarily due to updated mortality assumptions of $159, updated economic assumptions of $15 and updated expense and tax assumptions of $12, partially offset by increases due to updated policyholder behaviour assumptions of $85, and modeling refinements of $49.

The decrease in Europe was primarily due to updated longevity assumptions of $292, updated economic assumptions of $184, updated morbidity assumptions of $12 and updates to other provisions of $10, partially offset by increases due to updated mortality assumptions of $64, updated expense and tax assumptions of $55, modeling refinements of $37 and updated policyholder behaviour assumptions of $11.

The decrease in the United States was primarily due to updated economic assumptions of $30 and updated mortality assumptions of $8, partially offset by increases due to updated policyholder behaviour assumptions of $6.

Net participating insurance contract liabilities decreased by $84 in 2015 due to management actions and assumption changes. The decrease was primarily due to provisions for future policyholder dividends of $4,991, updated expense and tax assumptions of $545 and updated mortality assumptions of $412, partially offset by increases due to lower investment returns of $5,527, updated policyholder behaviour assumptions of $188, and modeling refinements of $149.

In 2014, the major contributors to the increase in net insurance contract liabilities were the impact of new business of $5,930, the normal change in the in force business of $4,730 which was primarily due to the change in fair value and the impact of foreign exchange rate changes of $3,784. This was partially offset by decreases due to management actions and assumption changes of $426.

Net non-participating insurance contract liabilities decreased by $416 in 2014 due to management actions and assumption changes including a $193 decrease in Canada, a $135 decrease in Europe and an $88 decrease in the United States.

The decrease in Canada was primarily due to modeling refinements of $83, updated economic assumptions including the change in Standards of $77, updated policyholder behaviour assumptions of $60, updated morbidity assumptions of $44, updated expenses and taxes of $10 and updates to other provisions of $6, partially offset by increases due to updated mortality assumptions of $62 and updated longevity assumptions of $25.

The decrease in Europe was primarily due to updated longevity assumptions of $110, updated economic assumptions including the change in Standards of $107, modeling refinements of $63 and updated morbidity assumptions of $22 partially offset by increases due to updated policyholder behaviour assumptions of $142, updated mortality assumptions of $20 and updates to other provisions of $5.

The decrease in the United States was primarily due to updated mortality assumptions of $103, updated policyholder behaviour assumptions of $67 and updated longevity assumptions of $6, partially offset by increases due to modeling refinements of $51 and updated economic assumptions including the change in Standards of $37.

Net participating insurance contract liabilities decreased by $10 in 2014 due to management actions and assumption changes. The decrease was primarily due to higher investment returns of $152, updated expenses and taxes of $144, modeling refinements of $68 and updated mortality assumptions of $20, partially offset by increases due to increased provisions for future policyholder dividends of $360, updated policyholder behaviour assumptions of $13 and updated morbidity assumptions of $1.

(d) Change in investment contract liabilities measured at fair value

	2015	2014
Balance, beginning of year	**$ 857**	$ 889
Normal change in force business	**(89)**	(78)
Investment experience	**18**	43
Management action and changes in assumptions	**7**	(10)
Business movement from/to external parties	**1,330**	—
Impact of foreign exchange rate changes	**57**	13
Balance, end of year	**$ 2,180**	$ 857

The carrying value of investment contract liabilities approximates their fair value. No investment contract liabilities have been reinsured.

In 2015, business movement from/to external parties is primarily due to a retrocession agreement to assume a block of investment contract liabilities in the form of structured settlements with fixed terms and amount. See note 6 for more information.

(e) Gross premiums written and gross policyholder benefits

(i) Premium Income

	2015	2014
Direct premiums	**$ 22,120**	$ 19,926
Assumed reinsurance premiums	**6,009**	4,760
Total	**$ 28,129**	$ 24,686

(ii) Policyholder Benefits

	2015	2014
Direct	**$ 15,880**	$ 14,892
Assumed reinsurance	**6,673**	4,471
Total	**$ 22,553**	$ 19,363

(f) Actuarial Assumptions

In the computation of insurance contract liabilities, valuation assumptions have been made regarding rates of mortality/morbidity, investment returns, levels of operating expenses, rates of policy termination and rates of utilization of elective policy options or provisions. The valuation assumptions use best estimates of future experience together with a margin for adverse deviation. These margins are necessary to provide for possibilities of misestimation and/or future deterioration in the best estimate assumptions and provide reasonable assurance that insurance contract liabilities cover a range of possible outcomes. Margins are reviewed periodically for continued appropriateness.

The methods for arriving at these valuation assumptions are outlined below:

Mortality

A life insurance mortality study is carried out annually for each major block of insurance business. The results of each study are used to update the Company's experience valuation mortality tables for that business. When there is insufficient data, use is made of the latest industry experience to derive an appropriate valuation mortality assumption. The actuarial standards were amended in 2011 to remove the requirement that, for life insurance, any reduction in liabilities due to mortality improvement assumptions be offset by an equal amount of provision for adverse deviation. Appropriate provisions have been made for future mortality deterioration on term insurance.

Annuitant mortality is also studied regularly and the results used to modify established industry experience annuitant mortality tables. Mortality improvement has been projected to occur throughout future years for annuitants.

Morbidity

The Company uses industry developed experience tables modified to reflect emerging Company experience. Both claim incidence and termination are monitored regularly and emerging experience is factored into the current valuation.

Property and casualty reinsurance

Insurance contract liabilities for property and casualty reinsurance written by London Reinsurance Group (LRG), a subsidiary of London Life, are determined using accepted actuarial practices for property and casualty insurers in Canada. The insurance contract liabilities have been established using cash flow valuation techniques including discounting. The insurance contract liabilities are based on cession statements provided by ceding companies. In certain instances, LRG management adjusts cession statement amounts to reflect management's interpretation of the treaty. Differences will be resolved via audits and other loss mitigation activities. In addition, insurance contract liabilities also include an amount for incurred but not reported losses which may differ significantly from the ultimate loss development. The estimates and underlying methodology are continually reviewed and updated, and adjustments to estimates are reflected in earnings. LRG analyzes the emergence of claims experience against expected assumptions for each reinsurance contract separately and at the portfolio level. If necessary, a more in-depth analysis is undertaken of the cedant experience.

Investment returns

The assets which correspond to the different liability categories are segmented. For each segment, projected cash flows from the current assets and liabilities are used in the Canadian Asset Liability Method to determine insurance contract liabilities. Cash flows from assets are reduced to provide for asset default losses. Testing under several interest rate and equity scenarios (including increasing and decreasing rates) is done to provide for reinvestment risk (note 7(c)).

Expenses

Contractual policy expenses (e.g. sales commissions) and tax expenses are reflected on a best estimate basis. Expense studies for indirect operating expenses are updated regularly to determine an appropriate estimate of future operating expenses for the liability type being valued. Improvements in unit operating expenses are not projected. An inflation assumption is incorporated in the estimate of future operating expenses consistent with the interest rate scenarios projected under the Canadian Asset Liability Method as inflation is assumed to be correlated with new money interest rates.

Policy termination

Studies to determine rates of policy termination are updated regularly to form the basis of this estimate. Industry data is also available and is useful where the Company has no experience with specific types of policies or its exposure is limited. The Company has significant exposures in respect of the T-100 and Level Cost of Insurance Universal Life products in Canada and policy renewal rates at the end of term for renewable term policies in Canada and Reinsurance. Industry experience has guided the Company's assumptions for these products as the Company's own experience is very limited.

Utilization of elective policy options

There are a wide range of elective options embedded in the policies issued by the Company. Examples include term renewals, conversion to whole life insurance (term insurance), settlement annuity purchase at guaranteed rates (deposit annuities) and guarantee re-sets (segregated fund maturity guarantees). The assumed rates of utilization are based on Company or industry experience when it exists and when not on judgment considering incentives to utilize the option. Generally, whenever it is clearly in the best interests of an informed policyholder to utilize an option, then it is assumed to be elected.

Policyholder dividends and adjustable policy features

Future policyholder dividends and other adjustable policy features are included in the determination of insurance contract liabilities with the assumption that policyholder dividends or adjustable benefits will change in the future in response to the relevant experience. The dividend and policy adjustments are determined consistent with policyholders' reasonable expectations, such expectations being influenced by the participating policyholder dividend policies and/or policyholder communications, marketing material and past practice. It is the Company's expectation that changes will occur in policyholder dividend scales or adjustable benefits for participating or adjustable business respectively, corresponding to changes in the best estimate assumptions, resulting in an immaterial net change in insurance contract liabilities. Where underlying guarantees may limit the ability to pass all of this experience back to the policyholder, the impact of this non-adjustability impacting shareholders earnings is reflected in the impacts of changes in best estimate assumptions above.

(g) Risk Management

(i) Insurance risk

Insurance risk is the risk that the insured event occurs and that there are large deviations between expected and actual actuarial assumptions including mortality, persistency, longevity, morbidity, expense variations and investment returns.

The Company is in the business of accepting risk associated with insurance contract liabilities. The objective of the Company is to mitigate its exposure to risk arising from these contracts through product design, product and geographical diversification, the implementation of the Company's underwriting strategy guidelines, and through the use of reinsurance arrangements.

The following provides information about the Company's insurance contract liabilities sensitivities to management's best estimate of the approximate impact as a result of changes in assumptions used to determine the Company's liability associated with these contracts.

	Increase (decrease) in net earnings after-tax	
	2015	2014
Mortality - 2% increase	**$ (282)**	$ (238)
Annuitant mortality - 2% decrease	**$ (314)**	$ (272)
Morbidity - 5% adverse change	**$ (225)**	$ (220)
Investment returns		
Parallel shift in yield curve		
1% increase	**$ —**	$ —
1% decrease	**$ —**	$ —
Change in range of interest rates		
1% increase	**$ 109**	$ 41
1% decrease	**$ (430)**	$ (383)
Change in equity markets		
10% increase	**$ 45**	$ 34
10% decrease	**$ (108)**	$ (113)
Change in best estimate returns for equities		
1% increase	**$ 433**	$ 355
1% decrease	**$ (457)**	$ (372)
Expenses - 5% increase	**$ (108)**	$ (99)
Policy termination and renewal - 10% adverse change	**$ (602)**	$ (568)

Concentration risk may arise from geographic regions, accumulation of risks and market risk. The concentration of insurance risk before and after reinsurance by geographic region is described below.

	2015			2014		
	Gross liability	**Reinsurance assets**	**Net**	Gross liability	Reinsurance assets	Net
Canada	**$ 60,234**	**$ 375**	**$ 59,859**	$ 59,275	$ 676	$ 58,599
United States	**39,903**	**355**	**39,548**	32,973	245	32,728
Europe	**60,535**	**4,401**	**56,134**	53,807	4,230	49,577
Total	**$ 160,672**	**$ 5,131**	**$ 155,541**	$ 146,055	$ 5,151	$ 140,904

(ii) Reinsurance risk

Maximum limits per insured life benefit amount (which vary by line of business) are established for life and health insurance, and reinsurance is purchased for amounts in excess of those limits.

Reinsurance costs and recoveries as defined by the reinsurance agreement are reflected in the valuation with these costs and recoveries being appropriately calibrated to the direct assumptions.

Reinsurance contracts do not relieve the Company from its obligations to policyholders. Failure of reinsurers to honour their obligations could result in losses to the Company. The Company evaluates the financial condition of its reinsurers to minimize its exposure to significant losses from reinsurer insolvencies.

Certain of the reinsurance contracts are on a funds withheld basis where the Company retains the assets supporting the reinsured insurance contract liabilities, thus minimizing the exposure to significant losses from reinsurer insolvency on those contracts.

16. Financing Charges

Financing charges consist of the following:

	2015	2014
Operating charges:		
Interest on operating lines and short-term debt instruments	$ 5	$ 3
Financial charges:		
Interest on long-term debentures and other debt instruments	260	265
Interest on capital trust securities	11	11
Other	27	25
	298	301
Total	$ 303	$ 304

GREAT-WEST LIFECO INC.

17. Debentures and Other Debt Instruments

	2015		2014	
	Carrying value	**Fair value**	Carrying value	Fair value
Short-term				
Commercial paper and other short-term debt instruments with interest rates from 0.213% to 0.223% (0.21% to 0.22% at December 31, 2014), unsecured	**$ 129**	**$ 129**	$ 114	$ 114
Revolving credit facility with interest equal to LIBOR plus 0.70% or U.S. Prime Rate Loan (U.S. $245; U.S. $355 at December 31, 2014), unsecured	**338**	**338**	412	412
Total short-term	**467**	**467**	526	526
Long-term				
Capital:				
Lifeco				
6.14% Debentures due March 21, 2018, unsecured	**200**	**220**	200	226
6.74% Debentures due November 24, 2031, unsecured	**192**	**264**	192	268
6.67% Debentures due March 21, 2033, unsecured	**391**	**527**	391	536
5.998% Debentures due November 16, 2039, unsecured	**342**	**438**	342	450
4.65% Debentures due August 13, 2020, unsecured	**499**	**561**	498	557
2.50% Debentures due April 18, 2023, unsecured, (500 euro)	**745**	**798**	695	773
	2,369	**2,808**	2,318	2,810
Canada Life				
6.40% subordinated debentures due December 11, 2028, unsecured	**100**	**127**	100	129
Irish Life				
5.25% 200 euro subordinated debentures due February 8, 2017, includes associated fixed to floating swap, unsecured	**311**	**324**	298	313
2.3% 50 euro mortgage payable, matured during 2015	**—**	**—**	70	70
	311	**324**	368	383
Great-West Life & Annuity Insurance Capital, LP				
6.625% Deferrable debentures due November 15, 2034, unsecured (U.S. $175)	**238**	**282**	200	230
Great-West Life & Annuity Insurance Capital, LP II				
Subordinated debentures due May 16, 2046, bearing an interest rate of 7.153% until May 16, 2016 and thereafter, a rate of 2.538% plus the 3-month LIBOR rate, unsecured (U.S. $300)	**414**	**412**	348	354
Great-West Lifeco Finance (Delaware) LP				
Subordinated debentures due June 21, 2067 bearing an interest rate of 5.691% until June 21, 2017 and, thereafter, at a rate equal to the Canadian 90-day Bankers' Acceptance rate plus 1.49%, unsecured	**998**	**1,052**	997	1,087
Great-West Lifeco Finance (Delaware) LP II				
Subordinated debentures due June 26, 2068 bearing an interest rate of 7.127% until June 26, 2018 and, thereafter, at a rate equal to the Canadian 90-day Bankers' Acceptance rate plus 3.78%, unsecured	**498**	**560**	498	583
Total long-term	**4,928**	**5,565**	4,829	5,576
Total	**$ 5,395**	**$ 6,032**	$ 5,355	$ 6,102

18. Capital Trust Securities

	2015		2014	
	Carrying value	**Fair value**	Carrying value	Fair value
Canada Life Capital Trust (CLCT)				
7.529% due June 30, 2052, unsecured	**$ 150**	**$ 215**	$ 150	$ 220
Acquisition related fair value adjustment	**11**	**—**	12	—
Total	**$ 161**	**$ 215**	$ 162	$ 220

CLCT, a trust established by Canada Life, had issued $150 of Canada Life Capital Securities - Series B (CLiCS - Series B), the proceeds of which were used by CLCT to purchase Canada Life senior debentures in the amount of $150.

Distributions and interest on the capital trust securities are classified as financing charges on the Consolidated Statements of Earnings (note 16). The fair value for capital trust securities is determined by the bid-ask price. Refer to note 7 for financial instrument risk management disclosures.

Subject to regulatory approval, CLCT may redeem the CLiCS - Series B, in whole or in part, at any time.

19. Other Liabilities

	2015	2014
Pension and other post-employment benefits (note 24)	**$ 1,261**	$ 1,313
Bank overdraft	**479**	447
Deferred income reserve	**437**	429
Other	**1,190**	910
Total	**$ 3,367**	$ 3,099

Total other liabilities of $1,669 ($1,357 at December 31, 2014) are expected to be realized within 12 months from the reporting date. This amount excludes deferred income reserve, the changes in which are noted below.

Deferred income reserve

	2015	2014
Balance, beginning of year	**$ 429**	$ 451
Additions	**42**	57
Amortization	**(39)**	(38)
Changes in foreign exchange	**51**	10
Disposals	**(46)**	(51)
Balance, end of year	**$ 437**	$ 429

20. Non-Controlling Interests

The Company had a controlling equity interest in Great-West Life, London Life, Canada Life, Great-West Financial, and Putnam at December 31, 2015 and December 31, 2014.

Non-controlling interests attributable to participating account surplus is the proportion of the equity attributable to the participating account of the Company's subsidiaries.

Non-controlling interests in subsidiaries includes Nippon Life's interest in PanAgora, a subsidiary of Putnam, and non-controlling interests for the issued and outstanding shares of Putnam and PanAgora held by the employees of their respective share-based compensation plans.

(a) The non-controlling interests of Great-West Life, London Life, Canada Life, Great-West Financial and Putnam and their subsidiaries reflected in the Consolidated Statements of Earnings and other comprehensive income are as follows:

	2015	2014
Net earnings attributable to participating account before policyholder dividends		
Great-West Life	**$ 177**	$ 162
London Life	**844**	837
Canada Life	**349**	314
Great-West Financial	**4**	4
	1,374	1,317
Policyholder dividends		
Great-West Life	**(150)**	(142)
London Life	**(805)**	(806)
Canada Life	**(301)**	(277)
Great-West Financial	**(4)**	(3)
	(1,260)	(1,228)
Net earnings - participating account	**114**	89
Non-controlling interests in subsidiaries	**9**	4
Total	**$ 123**	$ 93

The non-controlling interests of Great-West Life, London Life, Canada Life, Great-West Financial and Putnam and their subsidiaries recorded in other comprehensive income for the year ended December 31, 2015 was $57 ($33 for the year ended December 31, 2014).

(b) The carrying value of non-controlling interests consists of the following:

	2015	2014
Participating account surplus in subsidiaries:		
Great-West Life	**$ 607**	$ 579
London Life	**1,765**	1,720
Canada Life	**222**	167
Great-West Financial	**17**	14
Total	**$ 2,611**	$ 2,480
Non-controlling interests in subsidiaries	**$ 195**	$ 163

During 2014, London Life re-allocated $4 from the shareholder account to the London Life participating account. This adjustment was for the commutation of certain reinsurance transactions completed during the year. Under the terms of the 2012 re-allocation of the 11% investment in London Reinsurance Group (LRG) from the participating account to its shareholder account, this adjustment was required upon finalization of these transactions.

21. Share Capital

Authorized

Unlimited First Preferred Shares, Class A Preferred Shares and Second Preferred Shares
Unlimited Common Shares

Issued and outstanding and fully paid

	2015		2014	
	Number	**Carrying value**	Number	Carrying value
First Preferred Shares				
Series F, 5.90% Non-Cumulative	**7,740,032**	**$ 194**	7,740,032	$ 194
Series G, 5.20% Non-Cumulative	**12,000,000**	**300**	12,000,000	300
Series H, 4.85% Non-Cumulative	**12,000,000**	**300**	12,000,000	300
Series I, 4.50% Non-Cumulative	**12,000,000**	**300**	12,000,000	300
Series L, 5.65% Non-Cumulative	**6,800,000**	**170**	6,800,000	170
Series M, 5.80% Non-Cumulative	**6,000,000**	**150**	6,000,000	150
Series N, Non-Cumulative 5-Year Rate Reset	**8,524,422**	**213**	10,000,000	250
Series O, Non-Cumulative Floating Rate	**1,475,578**	**37**	—	—
Series P, 5.40% Non-Cumulative	**10,000,000**	**250**	10,000,000	250
Series Q, 5.15% Non-Cumulative	**8,000,000**	**200**	8,000,000	200
Series R, 4.80% Non-Cumulative	**8,000,000**	**200**	8,000,000	200
Series S, 5.25% Non-Cumulative	**8,000,000**	**200**	8,000,000	200
Total	**100,540,032**	**$ 2,514**	100,540,032	$ 2,514
Common shares				
Balance, beginning of year	**996,699,371**	**$ 7,102**	999,402,079	$ 7,112
Purchased and cancelled under Normal Course Issuer Bid	**(6,279,856)**	**(221)**	(3,024,050)	(95)
Excess of redemption proceeds over stated capital per Normal Course Issuer Bid	**—**	**176**	—	75
Exercised and issued under stock option plan	**2,930,816**	**99**	321,342	10
Balance, end of year	**993,350,331**	**$ 7,156**	996,699,371	$ 7,102

Preferred Shares

On December 31, 2015, at the election of certain holders of Series N, Non-Cumulative 5-Year Rate Reset First Preferred Shares, the Company converted 1,475,578 Series N Shares on a one-for-one basis into Series O, Non-Cumulative Floating Rate First Preferred Shares. The floating dividend rate for the Series O Shares issued on December 31, 2015 will be 1.742% for the period commencing on December 31, 2015 and ending on March 30, 2016. For the remaining Series N Shares, the annual fixed dividend rate for the five-year period commencing on December 31, 2015 and ending on December 30, 2020 will be 2.176% per annum. The remaining Series N Shares are redeemable at the option of the Company on December 31, 2020 and on December 31 every five years thereafter for $25.00 per share plus all declared and unpaid dividends to the date fixed for redemption. Subject to the Company's right of redemption and certain other restrictions on conversion described in the Series N share conditions, each Series N share is convertible into one Series O share at the option of the holders on December 31, 2020 and on December 31 every five years thereafter. The Series O Shares are redeemable at the option of the Company for $25.50 per share, unless the shares are redeemed on December 31, 2020 or on December 31 every five years thereafter in which case the redemption price will be $25.00 per share, together in each case with all declared and unpaid dividends to but excluding the date of redemption. Subject to the Company's right of redemption and certain other restrictions on conversion described in the Series O share conditions, each Series O share is convertible into one Series N share at the option of the holders on December 31, 2020 and on December 31 every five years thereafter.

On May 22, 2014 the Company issued 8,000,000 Series S, 5.25% Non-Cumulative First Preferred Shares at $25.00 per share. The shares are redeemable at the option of the Company on or after June 30, 2019 for $25.00 per share plus a premium if redeemed prior to June 30, 2023, together in each case with all declared and unpaid dividends up to but excluding the date of redemption. Transaction costs incurred in connection with the preferred share issue of $5 ($4 after-tax) were charged to accumulated surplus.

The Series F, 5.90% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share, together with all declared and unpaid dividends to but excluding the date of redemption.

The Series G, 5.20% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share, together with all declared and unpaid dividends to but excluding the date of redemption.

The Series H, 4.85% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share, together with all declared and unpaid dividends to but excluding the date of redemption.

The Series I, 4.50% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share, together in each case with all declared and unpaid dividends to but excluding the date of redemption.

The Series L, 5.65% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share plus a premium if the shares are redeemed before December 31, 2018, together with all declared and unpaid dividends to but excluding the date of redemption.

The Series M, 5.80% Non-Cumulative First Preferred Shares are currently redeemable at the option of the Company for $25.00 per share plus a premium if redeemed prior to March 31, 2019, together in each case with all declared and unpaid dividends to but excluding the date of redemption.

The Series P, 5.40% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after March 31, 2017 for $25.00 per share plus a premium if redeemed prior to March 31, 2021, together in each case with all declared and unpaid dividends up to but excluding the date fixed for redemption.

The Series Q, 5.15% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after September 30, 2017 for $25.00 per share plus a premium if redeemed prior to September 30, 2021, together in each case with all declared and unpaid dividends up to but excluding the date fixed for redemption.

The Series R, 4.80% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after December 31, 2017 for $25.00 per share plus a premium if redeemed prior to December 31, 2021, together in each case with all declared and unpaid dividends up to but excluding the date fixed for redemption.

The Series S, 5.25% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after June 30, 2019 for $25.00 per share plus a premium if redeemed prior to June 30, 2023, together in each case with all declared and unpaid dividends up to but excluding the date of redemption.

Common Shares

Normal Course Issuer Bid

During 2015, the Company repurchased and subsequently cancelled 6,279,856 common shares pursuant to its previous normal course issuer bid at a cost of $221 (3,024,050 during 2014 under the previous normal course issuer bid at a cost of $95). The Company's share capital was reduced by the average carrying value of the shares repurchased for cancellation. The excess paid over the average carrying value of stated capital was $176 and was recognized as a reduction to equity ($75 during 2014 under the previous normal course issuer bid).

Subsequent Event

On January 5, 2016, the Company announced a normal course issuer bid commencing January 8, 2016 and terminating January 7, 2017 to purchase for cancellation up to but not more than 8,000,000 of its common shares at market prices.

22. Capital Management

(a) Policies and Objectives

Managing capital is the continual process of establishing and maintaining the quantity and quality of capital appropriate for the Company and ensuring capital is deployed in a manner consistent with the expectations of the Company's stakeholders. For these purposes, the Board considers the key stakeholders to be the Company's shareholders, policyholders and holders of subordinated liabilities in addition to the relevant regulators in the various jurisdictions where the Company and its subsidiaries operate.

The Company manages its capital on both a consolidated basis as well as at the individual operating subsidiary level. The primary objectives of the Company's capital management strategy are:

- to maintain the capitalization of its regulated operating subsidiaries at a level that will exceed the relevant minimum regulatory capital requirements in the jurisdictions in which they operate;
- to maintain strong credit and financial strength ratings of the Company ensuring stable access to capital markets; and
- to provide an efficient capital structure to maximize shareholders value in the context of the Company's operational risks and strategic plans.

The Company has established policies and procedures designed to identify, measure and report all material risks. Management is responsible for establishing capital management procedures for implementing and monitoring the capital plan.

The capital planning process is the responsibility of the Company's Chief Financial Officer. The capital plan is reviewed by the Executive Committee of the Board of Directors and approved by the Company's Board of Directors on an annual basis. The Board of Directors reviews and approves all capital transactions undertaken by management.

The target level of capitalization for the Company and its subsidiaries is assessed by considering various factors such as the probability of falling below the minimum regulatory capital requirements in the relevant operating jurisdiction, the views expressed by various credit rating agencies that provide financial strength and other ratings to the Company, and the desire to hold sufficient capital to be able to honour all policyholder and other obligations of the Company with a high degree of confidence.

(b) Regulatory Capital

In Canada, the Office of the Superintendent of Financial Institutions Canada has established a capital adequacy measurement for life insurance companies incorporated under the Insurance Companies Act (Canada) and their subsidiaries, known as the Minimum Continuing Capital and Surplus Requirements. For this purpose, various additions or deductions from capital are mandated by the guidelines issued by the Office of the Superintendent of Financial Institutions Canada. The following provides a summary of the Minimum Continuing Capital and Surplus Requirements information and ratios for Great-West Life:

	2015	2014
Adjusted Net Tier 1 Capital	**$ 13,195**	$ 11,132
Net Tier 2 Capital	**2,535**	2,530
Total Capital Available	**$ 15,730**	$ 13,662
Total Capital Required	**$ 6,599**	$ 6,092
Tier 1 Ratio	**200%**	183%
Total Ratio	**238%**	224%

At December 31, 2015, the Risk Based Capital ratio of Great-West Financial, Lifeco's regulated U.S. operating company was estimated to be 441% of the Company Action Level set by the National Association of Insurance Commissioners. Great-West Financial reports its Risk Based Capital ratio annually to U.S. insurance regulators.

In the United Kingdom, Canada Life Limited (CLL) is required to satisfy the capital resources requirements set out in the Integrated Prudential Sourcebook, part of the Prudential Regulatory Authority Handbook. The capital requirements are prescribed by a formulaic capital requirement (Pillar 1) and an individual capital adequacy framework which requires an entity to self-assess an appropriate amount of capital it should hold, based on the risks encountered from its business activities. At the end of 2015, CLL complied with the minimum capital resource requirements in the United Kingdom. During the year, the Company’s European regulated insurance and reinsurance businesses have been preparing for the implementation of the new Solvency II regulations, effective January 1, 2016.

Other foreign operations and foreign subsidiaries of the Company are required to comply with local capital or solvency requirements in their respective jurisdictions. At December 31, 2015 and December 31, 2014 the Company maintained capital levels above the minimum local regulatory requirements in each of its other foreign operations.

23. Share-Based Payments

(a) The Company has a stock option plan (the Plan) pursuant to which options to subscribe for common shares of Lifeco may be granted to certain officers and employees of Lifeco and its affiliates. The Company's Compensation Committee (the Committee) administers the Plan and, subject to the specific provisions of the Plan, fixes the terms and conditions upon which options are granted. The exercise price of each option granted under the Plan is fixed by the Committee, but cannot under any circumstances be less than the weighted average trading price per Lifeco common share on the Toronto Stock Exchange for the five trading days preceding the date of the grant. Options vest over a period of five years, and have a maximum exercise period of ten years. Termination of employment may, in certain circumstances, result in forfeiture of the options, unless otherwise determined by the Committee. The maximum number of Lifeco common shares that may be issued under the Plan is currently 65,000,000.

During 2015, 2,793,820 common share options were granted (1,724,580 common share options were granted during 2014). The weighted average fair value of common share options granted during 2015 was $5.54 per option ($5.76 per option in 2014). The fair value of each common share option was estimated using the Black-Scholes option-pricing model with the following weighted average assumptions used for those options granted in 2015: dividend yield 3.66%, expected volatility 22.79%, risk-free interest rate 1.09%, and expected life of seven years.

The following summarizes the status of, and changes in, options outstanding and the weighted average exercise price:

	2015		2014	
	Options	**Weighted average exercise price**	Options	Weighted average exercise price
Outstanding, beginning of year	**14,995,388**	**$ 29.18**	13,761,930	$ 28.89
Granted	**2,793,820**	**35.66**	1,724,580	31.12
Exercised	**(2,930,816)**	**28.71**	(321,342)	25.54
Forfeited/expired	**(234,560)**	**30.01**	(169,780)	32.11
Outstanding, end of year	**14,623,832**	**$ 30.50**	14,995,388	$ 29.18
Options exercisable at end of year	**9,395,978**	**$ 29.78**	10,557,926	$ 29.75

The weighted average share price at the date of exercise of stock options for the year ended December 31, 2015 was $35.88 ($30.62 in 2014).

Compensation expense due to the Plan transactions accounted for as equity-settled share-based payments of $10 after-tax in 2015 ($9 after-tax in 2014) arising from transactions in which the services received did not qualify for recognition as an asset, has been recognized in the Consolidated Statements of Earnings.

The following summarizes information on the ranges of exercise prices including weighted average remaining contractual life at December 31, 2015:

	Outstanding			Exercisable		
Exercise price ranges	Options	Weighted average remaining contractual life	Weighted average exercise price	Options	Weighted average exercise price	Expiry
$23.16 - $35.62	226,350	0.56	31.09	226,350	31.09	2016
$27.13 - $37.22	1,305,902	1.18	36.97	1,305,902	36.97	2017
$23.16 - $31.27	3,619,655	2.38	30.71	3,619,655	30.71	2018
$23.16 - $31.14	268,700	3.54	28.79	268,700	28.79	2019
$23.16 - $35.62	777,846	4.37	28.13	777,846	28.13	2020
$21.73 - $27.16	1,190,884	5.17	27.10	1,004,804	27.08	2021
$23.16	1,685,554	6.16	23.16	1,111,257	23.16	2022
$27.13 - $28.36	1,491,540	7.17	27.15	746,880	27.14	2023
$30.33 - $33.02	1,432,082	8.19	31.10	317,784	31.11	2024
$35.62 - $36.63	2,625,319	9.17	35.66	16,800	35.62	2025

(b) In order to promote a greater alignment of interests between Directors and the shareholders of the Company, the Company and certain of its affiliates have established voluntary Deferred Share Unit Plans and/or mandatory Deferred Share Unit Plans (the “Voluntary DSU Plans” and the “Mandatory DSU Plans” respectively) in which the Directors of the Company participate. Under the Mandatory DSU Plans, each Director who is a resident of Canada or the United States is required to receive 50% of his or her annual Board retainer in the form of Deferred Share Units (DSUs). Under the Voluntary DSU Plans, each Director may elect to receive the balance of his or her annual Board retainer (including Board Committee fees) and his or her attendance fees entirely in the form of DSUs, entirely in cash, or equally in cash and DSUs. In both cases the number of DSUs granted is determined by dividing the amount of remuneration payable to the Director by the weighted average trading price per Common Share on the Toronto Stock Exchange for the last five trading days of the preceding fiscal quarter (such weighted average trading price being the "value of a Deferred Share Unit"). Directors receive additional DSUs in respect of dividends payable on the Common Shares based on the value of a Deferred Share Unit at that time. DSUs are generally redeemable at the time that an individual ceases to be a Director by a lump sum cash payment, based on the value of the DSUs on the date of redemption. In 2015, $3 in directors fees were used to acquire Deferred Share Units ($2 in 2014).

(c) Certain employees of the Company are entitled to receive Performance Share Units (PSUs). Under these PSU plans, these employees are granted PSUs equivalent to the Company’s common shares vesting over a three-year period. Employees receive additional PSUs in respect of dividends payable on the common shares based on the value of a PSU at that time. At the maturity date, employees receive cash representing the value of the PSU at this date. The Company uses the fair-value based method to account for the Performance Share Units granted to employees under the plan. For the year ended December 31, 2015, the Company recognized compensation expense of $12 ($10 in 2014) for the PSU plans recorded in operating and administrative expenses on the Consolidated Statements of Earnings. At December 31, 2015, the carrying value of the PSU liability is $22 ($19 in 2014) recorded within other liabilities.

(d) The Company's Employee Share Ownership Plan (ESOP) is a voluntary plan where eligible employees can contribute up to 5% of their previous year’s eligible earnings to purchase common shares of Great-West Lifeco Inc. The Company matches 50% of the total employee contributions. The contributions from the Company vest immediately and are expensed. For the year ended December 31, 2015, the Company recognized compensation expense of $10 ($11 in 2014) for the ESOP recorded in operating and administrative expenses on the Consolidated Statements of Earnings.

(e) Putnam sponsors the Putnam Investments, LLC Equity Incentive Plan. Under the terms of the Equity Incentive Plan, Putnam is authorized to grant or sell Class B Shares of Putnam (the Putnam Class B Shares), subject to certain restrictions, and to grant options to purchase Putnam Class B Shares (collectively, the Awards) to certain senior management and key employees of Putnam at fair value at the time of the award. Fair value is determined under the valuation methodology outlined in the Equity Incentive Plan. Awards vest over a period of up to five years and are specified in the individual's award letter. Holders of Putnam Class B Shares are not entitled to vote other than in respect of certain matters in regards to the Equity Incentive Plan and have no rights to convert their shares into any other securities. The number of Putnam Class B Shares that may be subject to Awards under the Equity Incentive Plan is limited to 10,555,555.

Under the requirements of IFRS 2, *Share-based Payment*, prior to the amendment to the share plan, Class B shares were treated as cash-settled liabilities on the Consolidated Balance Sheets. During the period ended March 31, 2014, the Company amended the share plan, which resulted in Class B shares being treated as equity-settled, with compensation expense recorded at grant-date fair value (or modification-date fair value for those grants existing at such date), with a corresponding increase to equity.

During 2015, Putnam granted 1,525,218 (2,009,500 in 2014) restricted Class B common shares and no options in 2015 or 2014 to certain members of senior management and key employees.

Compensation expense recorded for the year ended December 31, 2015 related to restricted Class B common shares and Class B stock options earned was $36 ($46 in 2014) and is recorded in operating expenses on the Consolidated Statements of Earnings.

(f) Certain employees of PanAgora, a subsidiary of Putnam, are eligible to participate in the PanAgora Management Equity Plan under which Class C Shares of PanAgora and options and stock appreciation rights on Class C Shares of PanAgora may be issued. Holders of PanAgora Class C Shares are not entitled to vote and have no rights to convert their shares into any other securities. The number of PanAgora Class C Shares may not exceed 20% of the equity of PanAgora on a fully exercised and converted basis.

Class C shares were also treated as cash-settled liabilities on the Consolidated Balance Sheets prior to the amendment of the share plan. As of March 31, 2014, the Company amended the share plan, resulting in Class C shares to be treated as equity-settled, with compensation expense recorded at grant date fair value (or modification date fair value for those grants existing at such date), with a corresponding increase to equity.

Compensation expense recorded for the year ended December 31, 2015 related to restricted Class C Shares and stock appreciation rights was $11 in 2015 ($16 in 2014) and is included as a component of operating expenses in the Consolidated Statements of Earnings.

24. Pension Plans and Other Post-Employment Benefits

Characteristics, Funding and Risk

The Company’s subsidiaries maintain contributory and non-contributory defined benefit pension plans for certain employees and advisors. The Company’s subsidiaries also maintain defined contribution pension plans for certain employees and advisors.

The defined benefit pension plans provide pensions based on length of service and final average pay. For most plans, active plan participants share in the cost by making contributions in respect of current service. Certain pension payments are indexed either on an ad hoc basis or a guaranteed basis. The determination of the defined benefit obligation reflects pension benefits in accordance with the terms of the plans. The assets supporting the funded pension plans are held in separate trusteed pension funds. The obligations for the wholly unfunded plans are included in other liabilities and are supported by general assets.

The significant defined benefit plans of the Company's subsidiaries are closed to new entrants. All new hires are eligible only for defined contribution benefits. The Company's defined benefit plan exposure will continue to be reduced in future years.

The defined contribution pension plans provide pension benefits based on accumulated employee and subsidiary Company contributions. Subsidiary Company contributions to these plans are a set percentage of employees’ annual income and may be subject to certain vesting requirements.

The Company’s subsidiaries also provide post-employment health, dental and life insurance benefits to eligible employees, advisors and their dependents. Retirees share in the cost of benefits through deductibles, co-insurance and caps on benefits. These plans are closed to new hires and were previously amended to limit which employees could become eligible to receive benefits. The amount of some of the post-employment benefits other than pensions depends on future cost escalation. These post-employment benefits are not pre-funded and the amount of the obligation for these benefits is included in other liabilities and is supported by general assets.

The Company's subsidiaries have pension and benefit committees or a trusteed arrangement that provides oversight for the benefit plans of the Company's subsidiaries. The benefit plans are monitored on an ongoing basis to assess the benefit, funding and investment policies, financial status, and funding requirements of the Company's subsidiares. Significant changes to the subsidiary Company's benefit plans require approval from that Company's Board of Directors.

The Company's subsidiaries' funding policy for the funded pension plans is to make contributions equal to or greater than those required by the applicable regulations and plan provisions that govern the funding of the plans. Where funded plans have a net defined benefit pension plan asset, the Company determines if an economic benefit exists in the form of potential reductions in future contributions by the Company and in the form of surplus refunds, where permitted by applicable regulation and plan provisions.

By their design, the defined benefit plans expose the Company to the typical risks faced by defined benefit plans such as investment performance, changes to the discount rates used to value the obligations, longevity of plan members, and future inflation. Pension and benefit risk is managed by regular monitoring of the plans, applicable regulations and other factors that could impact the expenses and cash flows of the Company.

The following reflects the financial position of the Company's subsidiaries contributory and non-contributory defined benefit plans:

(a) Plan Assets, Benefit Obligation and Funded Status

	Defined benefit pension plans		Other post-employment benefits	
	2015	2014	**2015**	2014
Change in fair value of plan assets				
Fair value of plan assets, beginning of year	**$ 5,628**	$ 5,053	**$ —**	$ —
Interest income	**200**	236	**—**	—
Actual return over interest income	**87**	429	**—**	—
Employer contributions	**104**	138	**19**	18
Employee contributions	**21**	21	**—**	—
Benefits paid	**(213)**	(220)	**(19)**	(18)
Administrative expenses	**(9)**	(6)	**—**	—
Net transfer in	**(2)**	1	**—**	—
Foreign exchange rate changes	**277**	(24)	**—**	—
Fair value of plan assets, end of year	**$ 6,093**	$ 5,628	**$ —**	$ —
Change in defined benefit obligation				
Defined benefit obligation, beginning of year	**$ 6,248**	$ 5,164	**$ 395**	$ 386
Reclassification of liability	**—**	(29)	**—**	—
Current service cost	**138**	112	**2**	2
Interest cost	**221**	237	**15**	18
Employee contributions	**21**	21	**—**	—
Benefits paid	**(213)**	(220)	**(19)**	(18)
Plan amendments	**15**	21	**—**	(1)
Actuarial loss (gain) on financial assumption changes	**(135)**	855	**(3)**	33
Actuarial loss (gain) on demographic assumption changes	**(7)**	97	**(6)**	(16)
Actuarial loss (gain) arising from member experience	**1**	(1)	**6**	(13)
Business acquisitions	**—**	—	**—**	3
Net transfer in	**(2)**	1	**—**	—
Foreign exchange rate changes	**340**	(10)	**4**	1
Defined benefit obligation, end of year	**$ 6,627**	$ 6,248	**$ 394**	$ 395
Asset (liability) recognized in the Consolidated Balance Sheets				
Funded status of plans - surplus (deficit)	**$ (534)**	$ (620)	**$ (394)**	$ (395)
Unrecognized amount due to asset ceiling	**(83)**	(23)	**—**	—
Asset (liability) recognized in the Consolidated Balance Sheets	**$ (617)**	$ (643)	**$ (394)**	$ (395)
Recorded in:				
Other assets (note 13)	**$ 250**	$ 275	**$ —**	$ —
Other liabilities (note 19)	**(867)**	(918)	**(394)**	(395)
Asset (liability) recognized in the Consolidated Balance Sheets	**$ (617)**	$ (643)	**$ (394)**	$ (395)
Analysis of defined benefit obligation				
Wholly or partly funded plans	**$ 6,336**	$ 5,961	**$ —**	$ —
Wholly unfunded plans	**$ 291**	$ 287	**$ 394**	$ 395

Under International Financial Reporting Interpretations Committee (IFRIC) 14, *The Limit on a Defined Benefit Asset, Minimum Funding Requirements and their Interaction*, the Company must assess whether each pension plan's asset has economic benefit to the Company through future contribution reductions or refunds; in the event the Company is not entitled to a benefit, a limit or 'asset ceiling' is required on the balance. The following provides a breakdown of the changes in the asset ceiling:

	Defined benefit pension plans	
	2015	2014
Change in asset ceiling		
Asset ceiling, beginning of year	**$ 23**	$ 44
Interest on beginning of period asset ceiling	**4**	2
Change in asset ceiling	**56**	(23)
Asset ceiling, end of year	**$ 83**	$ 23

(b) Pension and Other Post-Employment Benefits Expense

The total pension and other post-employment benefit expense included in operating expenses and other comprehensive income are as follows:

	All pension plans	
	2015	2014
Defined benefit current service cost	**$ 159**	$ 133
Defined contribution current service cost	**54**	42
Employee contributions	**(21)**	(21)
Employer current service cost	**192**	154
Administrative expense	**7**	6
Plan amendments	**15**	3
Net interest cost	**25**	3
Pension expense - profit or loss	**239**	166
Actuarial (gain) loss recognized	**(141)**	951
Return on assets greater than assumed	**(85)**	(429)
Change in the asset ceiling	**56**	(23)
Actuarial loss - investment in associate (1)	**6**	20
Pension re-measurements - other comprehensive (income) loss	**(164)**	519
Total pension expense including re-measurements	**$ 75**	$ 685

(1) This includes the Company's share of pension plan re-measurements for an investment in an associate accounted for under the equity method.

	Other post-employment benefits 2015	Other post-employment benefits 2014
Employer current service cost	**$ 2**	$ 2
Plan amendments	**—**	(1)
Net interest cost	**15**	18
Other post-employment benefits expense - profit or loss	**17**	19
Actuarial (gain) loss recognized	**(3)**	4
Other post-employment benefits re-measurements - other comprehensive (income) loss	**(3)**	4
Total other post-employment benefits expense including re-measurements	**$ 14**	$ 23

(c) Asset Allocation by Major Category Weighted by Plan Assets

	Defined benefit pension plans 2015	Defined benefit pension plans 2014
Equity securities	**51%**	51%
Debt securities	**36%**	38%
Real estate	**6%**	5%
Cash and cash equivalents	**7%**	6%
Total	**100%**	100%

No plan assets are directly invested in the Company's or related parties' securities. Plan assets include investments in segregated funds and other funds managed by subsidiaries of the Company of $4,764 at December 31, 2015 and $4,478 at December 31, 2014, of which $4,701 ($4,445 at December 31, 2014) are included in the Consolidated Balance Sheets. Plan assets do not include any property occupied or other assets used by the Company.

(d) Details of Defined Benefit Obligation

(i) Portion of Defined Benefit Obligation Subject to Future Salary and Pension Increases

	Defined benefit pension plans		Other post-employment benefits	
	2015	2014	**2015**	2014
Benefit obligation without future salary increases	**$ 5,987**	$ 5,595	**$ 394**	$ 395
Effect of assumed future salary increases	**640**	653	**—**	—
Defined benefit obligation	**$ 6,627**	$ 6,248	**$ 394**	$ 395

The portion of defined benefit obligation without future pension increases is $6,053 with the effect of assumed future pension increases of $574. The other post-employment benefits are not subject to future pension increases.

(ii) Maturity Profile of Plan Membership

	Defined benefit pension plans		Other post-employment benefits	
	2015	2014	**2015**	2014
Actives	**45%**	45%	**22%**	23%
Deferred vesteds	**17%**	17%	**—%**	—%
Retirees	**38%**	38%	**78%**	77%
Total	**100%**	100%	**100%**	100%
Weighted average duration of defined benefit obligation	**18.9 years**	19.3 years	**12.4 years**	12.8 years

(e) Cash Flow Information

	Pension plans	Other post-employment benefits	Total
Expected employer contributions for 2016:			
Funded (wholly or partly) defined benefit plans	$ 105	$ —	$ 105
Unfunded plans	16	19	35
Defined contribution plans	58	—	58
Total	**$ 179**	**$ 19**	**$ 198**

(f) Actuarial Assumptions and Sensitivities

(i) Actuarial Assumptions

	Defined benefit pension plans		Other post-employment benefits	
	2015	2014	**2015**	2014
To determine benefit cost:				
Discount rate - past service liabilities	**3.5%**	4.7%	**3.9%**	4.8%
Discount rate - future service liabilities	**3.6%**	4.7%	**4.0%**	4.8%
Rate of compensation increase	**3.2%**	3.3%	**—**	—
Future pension increases (1)	**1.1%**	1.8%	**—**	—
To determine defined benefit obligation:				
Discount rate - past service liabilities	**3.8%**	3.5%	**4.1%**	3.9%
Rate of compensation increase	**3.2%**	3.2%	**—**	—
Future pension increases (1)	**1.5%**	1.1%	**—**	—
Medical cost trend rates:				
Initial medical cost trend rate			**5.2%**	5.2%
Ultimate medical cost trend rate			**4.5%**	4.5%
Year ultimate trend rate is reached			**2029**	2029

(1) Represents the weighted average of plans subject to future pension increases.

(ii) Sample Life Expectancies Based on Mortality Assumptions

	Defined benefit pension plans		Other post-employment benefits	
	2015	2014	**2015**	2014
Sample life expectancies based on mortality assumption:				
Male				
Age 65 in fiscal year	**22.8**	22.8	**22.2**	22.2
Age 65 in fiscal year + 30 years	**25.2**	25.2	**23.9**	23.8
Female				
Age 65 in fiscal year	**24.7**	24.8	**24.7**	24.7
Age 65 in fiscal year + 30 years	**26.9**	26.9	**26.2**	26.1

The period of time over which benefits are assumed to be paid is based on best estimates of future mortality, including allowances for mortality improvements. This estimate is subject to considerable uncertainty, and judgment is required in establishing this assumption. As mortality assumptions are significant in measuring the defined benefit obligation, the mortality assumptions applied by the Company take into consideration such factors as age, gender and geographic location, in addition to an estimation of future improvements in longevity.

The mortality tables are reviewed at least annually, and assumptions are in accordance with accepted actuarial practice. Emerging plan experience is reviewed and considered in establishing the best estimate for future mortality.

The calculation of the defined benefit obligation is sensitive to the mortality assumptions. The effect of a one-year increase in life expectancy would be an increase in the defined benefit obligation of $182 for the defined benefit pension plans and $15 for other post-employment benefits.

(iii) Impact of Changes to Assumptions on Defined Benefit Obligation

	1% increase		1% decrease	
	2015	2014	**2015**	2014
Defined benefit pension plans:				
Impact of a change to the discount rate	**$ (1,026)**	$ (992)	**$ 1,353**	$ 1,309
Impact of a change to the rate of compensation increase	**314**	334	**(272)**	(276)
Impact of a change to the rate of inflation	**551**	593	**(536)**	(474)
Other post-employment benefits:				
Impact of a change to assumed medical cost trend rates	**34**	34	**(28)**	(29)
Impact of a change to the discount rate	**(44)**	(45)	**54**	55

To measure the impact of a change in an assumption, all other assumptions were held constant. It would be expected that there would be interaction between at least some of the assumptions.

25. Earnings Per Common Share

The following provides the reconciliation between basic and diluted earnings per common share:

	2015	2014
Earnings		
Net earnings	**$ 2,888**	$ 2,668
Preferred share dividends	**(126)**	(122)
Net earnings - common shareholders	**$ 2,762**	$ 2,546
Number of common shares		
Average number of common shares outstanding	**995,609,685**	998,614,069
Add:		
- Potential exercise of outstanding stock options	**2,245,143**	1,272,650
Average number of common shares outstanding - diluted basis	**997,854,828**	999,886,719
Basic earnings per common share	**$ 2.774**	$ 2.549
Diluted earnings per common share	**$ 2.768**	$ 2.546
Dividends per common share	**$ 1.304**	$ 1.230

26. Accumulated Other Comprehensive Income

	2015							
	Unrealized foreign exchange gains on translation of foreign operations	**Unrealized foreign exchange gains (losses) on euro debt designated as hedge of the net investment in foreign operations**	**Unrealized gains (losses) on available-for-sale assets**	**Unrealized gains (losses) on cash flow hedges**	**Re-measurements on defined benefit pension and other post-employment benefit plans**	**Total**	**Non-controlling interest**	**Shareholders**
Balance, beginning of year	**$ 953**	**$ (17)**	**$ 223**	**$ (122)**	**$ (611)**	**$ 426**	**$ (48)**	**$ 378**
Other comprehensive income (loss)	**2,058**	**(50)**	**(124)**	**(249)**	**167**	**1,802**	**(62)**	**1,740**
Income tax	**—**	**9**	**24**	**94**	**(32)**	**95**	**5**	**100**
	2,058	**(41)**	**(100)**	**(155)**	**135**	**1,897**	**(57)**	**1,840**
Balance, end of year	**$ 3,011**	**$ (58)**	**$ 123**	**$ (277)**	**$ (476)**	**$ 2,323**	**$ (105)**	**$ 2,218**

	2014							
	Unrealized foreign exchange gains on translation of foreign operations	Unrealized foreign exchange gains (losses) on euro debt designated as hedge of the net investment in of foreign operations	Unrealized gains (losses) on available-for-sale assets	Unrealized gains (losses) on cash flow hedges	Re-measurements on defined benefit pension and other post-employment benefit plans	Total	Non-controlling interest	Shareholders
Balance, beginning of year	$ 414	$ (52)	$ 14	$ (57)	$ (218)	$ 101	$ (15)	$ 86
Other comprehensive income (loss)	539	35	261	(105)	(523)	207	(45)	162
Income tax	—	—	(52)	40	130	118	12	130
	539	35	209	(65)	(393)	325	(33)	292
Balance, end of year	$ 953	$ (17)	$ 223	$ (122)	$ (611)	$ 426	$ (48)	$ 378

27. Related Party Transactions

Power Financial, which is incorporated and domiciled in Canada, is the Company's parent and has voting control of the Company. The Company is related to other members of the Power Financial group including IGM Financial Inc., a company in the financial services sector along with its subsidiaries Investors Group, Mackenzie Financial and Investment Planning Council and Pargesa, a holding company with substantial holdings in a diversified industrial group based in Europe.

(a) Principal subsidiaries

The financial statements of the Company include the operations of the following subsidiaries:

Company	Incorporated in	Primary business operation	% Held
The Great-West Life Assurance Company	Canada	Insurance and wealth management	100.00%
London Life Insurance Company	Canada	Insurance and wealth management	100.00%
The Canada Life Assurance Company	Canada	Insurance and wealth management	100.00%
Irish Life Group Limited	Ireland	Insurance and wealth management	100.00%
Great-West Life & Annuity Insurance Company	United States	Insurance and wealth management	100.00%
Putnam Investments, LLC	United States	Financial services	100.00% [1]

[1] Lifeco holds 100% of the voting shares and 95.2% of the total outstanding shares.

(b) Transactions with related parties included in the consolidated financial statements

In the normal course of business, Great-West Life and Putnam enter into various transactions with related companies which include providing insurance benefits and sub-advisory services to other companies within the Power Financial group of companies. In all cases, transactions were at market terms and conditions.

During the year, Great-West Life provided to and received from IGM and its subsidiaries, a member of the Power Financial group of companies, certain administrative services. Great-West Life also provided life insurance, annuity and disability insurance products under a distribution agreement with IGM. London Life provided distribution services to IGM. All transactions were provided at market terms and conditions.

The Company held debentures issued by IGM; the interest rates and maturity dates are as follows:

	2015	2014
6.65%, matures December 13, 2027	**$ 16**	$ 16
7.45%, matures May 9, 2031	**14**	14
7.00%, matures December 31, 2032	**13**	13
Total	**$ 43**	$ 43

During 2015, Great-West Life, London Life, and segregated funds maintained by London Life purchased residential mortgages of $206 from IGM ($184 in 2014).

The Company provides asset management, employee benefits and administrative services for employee benefit plans relating to pension and other post-employment benefits for employees of the Company and its subsidiaries.

There were no significant outstanding loans or guarantees at the Balance Sheets date and no loans or guarantees issued during 2015 or 2014. There were no provisions for uncollectible amounts from related parties during 2015 and 2014.

(c) Key management compensation

Key management personnel constitute those individuals that have the authority and responsibility for planning, directing and controlling the activities of Lifeco, directly or indirectly, including any Director. The individuals that comprise the key management personnel are the Board of Directors as well as certain key management and officers.

The following describes all compensation paid to, awarded to, or earned by each of the key management personnel for services rendered in all capacities to the Company and its subsidiaries:

	2015	2014
Salary	**$ 14**	$ 11
Share-based awards	**11**	4
Option-based awards	**5**	2
Annual non-equity incentive plan compensation	**20**	20
Pension value	**8**	9
Total	**$ 58**	$ 46

28. Income Taxes

(a) Current income tax receivable (payable)

	2015	2014
Balance, beginning of year	**$ (689)**	$ (816)
Current income tax expense	**(296)**	(381)
Recorded in other comprehensive income	**2**	(29)
Payments made on account	**361**	490
Other	**199**	47
Balance, end of year	**$ (423)**	$ (689)
Recorded as:		
Current income taxes - asset	**$ 69**	$ 48
Current income taxes - liability	**(492)**	(737)
Total	**$ (423)**	$ (689)

(b) Deferred income taxes consist of the following losses carried forward and deductible (taxable) temporary differences:

	2015	2014
Insurance and investment contract liabilities	**$ (1,126)**	$ (594)
Portfolio assets [1]	**(636)**	(835)
Losses carried forward	**1,784**	1,494
Intangible assets	**(303)**	(153)
Other [1]	**513**	269
Net deferred income tax asset	**$ 232**	$ 181
Balance, beginning of year	**$ 181**	$ 222
Amounts recorded in:		
Statement of net earnings	**(164)**	(247)
Statement of other comprehensive income	**93**	147
Statement of changes in equity	**2**	1
Insurance and investment contract liabilities	**(9)**	(18)
Foreign exchange rate changes	**129**	76
Balance, end of year	**$ 232**	$ 181
Recorded as:		
Deferred tax assets	**$ 1,891**	$ 1,631
Deferred tax liabilities	**(1,659)**	(1,450)
Total	**$ 232**	$ 181

[1] During the year, the Company reclassified $39 of deferred income tax asset from portfolio assets to other at December 31, 2014 to conform to the current year's presentation.

A deferred income tax asset is recognized for deductible temporary differences and unused losses and carryforwards only to the extent that realization of the related income tax benefit through future taxable profits is probable.

Recognition is based on the fact that it is probable that the entity will have taxable profits and/or tax planning opportunities available to allow the deferred income tax asset to be utilized. Changes in circumstances in future periods may adversely impact the assessment of the recoverability. The uncertainty of the recoverability is taken into account in establishing the deferred income tax assets. The Company's annual financial planning process provides a significant basis for the measurement of deferred income tax assets.

Management assesses the recoverability of the deferred income tax asset carrying values based on future years' taxable income projections and believes the carrying values of the deferred income tax assets at December 31, 2015 are recoverable.

At December 31, 2015 the Company had tax loss carryforwards totaling $5,073 ($4,200 in 2014). Of this amount, $4,828 expires between 2016 and 2035, while $245 has no expiry date. The Company will realize this benefit in future years through a reduction in current income taxes payable.

A deferred income tax liability has not been recognized in respect of the temporary differences associated with investments in subsidiaries, branches and associates as the Company is able to control the timing of the reversal of the temporary differences, and it is probable that the temporary differences will not reverse in the foreseeable future.

One of the Company's subsidiaries has had a history of losses. The subsidiary has a net deferred income tax asset (DTA) balance of $1,303 (U.S. $944) as at December 31, 2015 comprised principally of net operating losses and future deductions related to goodwill which has been, in prior years, impaired for book accounting purposes. Management has concluded that it is probable that the subsidiary and other historically profitable subsidiaries with which it files or intends to file a consolidated U.S. income tax return will generate sufficient taxable income against which the unused U.S. losses and deductions will be utilized. The future taxable income is derived principally from tax planning strategies, some of which have already been executed. The DTA excludes the tax effect of certain state net operating losses, in the amount of $90 (U.S. $65); and federal charitable contributions of $14 (U.S. $10).

(c) Income tax expense for the year comprises current and deferred tax:

(i) Current income tax

	2015	2014
Current income tax expense	**$ 307**	$ 387
Previously unrecognized tax loss; tax credit or temporary difference	**—**	27
Other	**(11)**	(33)
Total current income tax	**$ 296**	$ 381

(ii) Deferred income tax

	2015	2014
Origination and reversal of temporary difference [1]	**$ 199**	$ 259
Changes in tax rates or imposition of new taxes	**1**	13
Write-down or reversal of previous write-down of deferred tax assets[1]	**—**	(1)
Previously unrecognized tax loss; tax credit or temporary difference	**(7)**	(29)
Other	**(29)**	5
Total deferred income tax	**$ 164**	$ 247
Total income tax expense	**$ 460**	$ 628

[1] During the year, the Company reclassified $61 of deferred income tax from origination and reversal of temporary difference to write-down or reversal of previous write-down of deferred tax assets for the year ended December 31, 2014 to conform to the current year's presentation.

(iii) Income tax recorded in other comprehensive income (note 26)

	2015	2014
Current income tax	**$ (2)**	$ 29
Deferred income tax	**(93)**	(147)
Total	**$ (95)**	$ (118)

(iv) Income tax recorded in equity

	2015	2014
Current income tax	**$ —**	$ —
Deferred income tax	**(2)**	(1)
Total	**$ (2)**	$ (1)

(d) The effective income tax rate reported in the Consolidated Statements of Earnings varies from the income tax rate of 26.75% for the year ended December 31, 2015 (26.50% for the year ended December 31, 2014) for the following items:

	2015		2014	
Earnings before income taxes	**$ 3,471**		$ 3,389	
Combined basic Canadian federal and provincial tax rate	**929**	**26.75 %**	898	26.50 %
Increase (decrease) in the income tax rate resulting from:				
Non-taxable investment income	**(219)**	**(6.31)%**	(150)	(4.43)%
Lower effective income tax rates on income not subject to tax in Canada	**(228)**	**(6.56)%**	(172)	(5.09)%
Other	**(23)**	**(0.66)%**	52	1.53 %
Impact of rate changes on future income taxes	**1**	**0.04 %**	—	— %
Total income tax expense and effective income tax rate	**$ 460**	**13.26 %**	$ 628	18.51 %

There are no income tax consequences attached to the payment of dividends by the Company to its shareholders.

29. Operating and Administrative Expenses

	2015	2014
Salaries and other employee benefits	**$ 2,923**	$ 2,544
General and administrative	**1,463**	1,129
Amortization of fixed assets	**80**	68
Total	**$ 4,466**	$ 3,741

30. Derivative Financial Instruments

In the normal course of managing exposure to fluctuations in interest and foreign exchange rates, and to market risks, the Company is an end-user of various derivative financial instruments. It is the Company's policy to transact in derivatives only with the most creditworthy financial intermediaries. Note 7 illustrates the credit quality of the Company's exposure to counterparties. As at December 31, 2015, the Company received assets of $107 ($52 in 2014) as collateral for derivative contracts from counterparties and pledged assets of $608 ($273 in 2014) as collateral for derivative contracts to counterparties.

(a) The following summarizes the Company's derivative portfolio and related credit exposure using the following definitions of risk as prescribed by the Office of the Superintendent of Financial Institutions Canada:

Maximum Credit Risk	The total replacement cost of all derivative contracts with positive values.
Future Credit Exposure	The potential future credit exposure is calculated based on a formula prescribed by the Office of the Superintendent of Financial Institutions Canada. The factors prescribed by the Office of the Superintendent of Financial Institutions Canada for this calculation are based on derivative type and duration.
Credit Risk Equivalent	The sum of maximum credit risk and the potential future credit exposure less any collateral held.
Risk Weighted Equivalent	Represents the credit risk equivalent, weighted according to the creditworthiness of the counterparty, as prescribed by the Office of the Superintendent of Financial Institutions Canada.

	2015				
	Notional amount	**Maximum credit risk**	**Future credit exposure**	**Credit risk equivalent (1)**	**Risk weighted equivalent**
Interest rate contracts					
Futures - long	$ 2	$ —	$ —	$ —	$ —
Futures - short	160	—	—	—	—
Swaps	3,085	179	29	208	15
Options purchased	342	49	2	38	5
	3,589	228	31	246	20
Foreign exchange contracts					
Forward contracts	1,501	84	37	59	7
Cross-currency swaps	10,804	143	692	803	61
	12,305	227	729	862	68
Other derivative contracts					
Equity contracts	68	2	4	7	—
Futures - long	13	—	—	—	—
Futures - short	606	4	—	—	—
Other forward contracts	131	—	—	—	—
	818	6	4	7	—
Total	$ 16,712	$ 461	$ 764	$ 1,115	$ 88

(1) Credit risk equivalent amounts are presented net of collateral received ($107).

	2014				
	Notional amount	Maximum credit risk	Future credit exposure	Credit risk equivalent [1]	Risk weighted equivalent
Interest rate contracts					
Futures - long	$ 10	$ —	$ —	$ —	$ —
Futures - short	12	—	—	—	—
Swaps	3,497	389	28	414	42
Options purchased	478	50	2	37	5
	3,997	439	30	451	47
Foreign exchange contracts					
Forward contracts	1,242	41	32	46	5
Cross-currency swaps	9,631	169	605	767	56
	10,873	210	637	813	61
Other derivative contracts					
Equity contracts	156	2	10	13	1
Futures - long	10	—	—	—	—
Futures - short	317	1	—	—	—
Other forward contracts	107	—	—	—	—
	590	3	10	13	1
Total	$ 15,460	$ 652	$ 677	$ 1,277	$ 109

[1] Credit risk equivalent amounts are presented net of collateral received ($52).

(b) The following provides the notional amount, term to maturity and estimated fair value of the Company's derivative portfolio by category:

	2015				
	Notional Amount				Total estimated fair value
	1 year or less	Over 1-5 years	Over 5 years	Total	
Derivatives not designated as accounting hedges					
Interest rate contracts					
Futures - long	$ 2	$ —	$ —	$ 2	$ —
Futures - short	79	80	—	159	—
Swaps	619	847	1,589	3,055	130
Options purchased	49	190	103	342	49
	749	1,117	1,692	3,558	179
Foreign exchange contracts					
Forward contracts	948	—	—	948	(28)
Cross-currency swaps	426	2,138	6,740	9,304	(1,885)
	1,374	2,138	6,740	10,252	(1,913)
Other derivative contracts					
Equity contracts	68	—	—	68	2
Futures - long	13	—	—	13	—
Futures - short	606	—	—	606	1
Other forward contracts	131	—	—	131	—
	818	—	—	818	3
Cash flow hedges					
Interest rate contracts					
Swaps	—	—	31	31	12
Foreign exchange contracts					
Cross-currency swaps	—	1,500	—	1,500	(524)
Net investment hedges					
Foreign exchange forward contracts	—	553	—	553	80
Total	$ 2,941	$ 5,308	$ 8,463	$ 16,712	$ (2,163)

	2014				
	Notional Amount				Total estimated fair value
	1 year or less	Over 1-5 years	Over 5 years	Total	
Derivatives not designated as accounting hedges					
Interest rate contracts					
Futures - long	$ 10	$ —	$ —	$ 10	$ —
Futures - short	12	—	—	12	—
Swaps	939	1,043	1,389	3,371	340
Options purchased	218	182	78	478	50
	1,179	1,225	1,467	3,871	390
Foreign exchange contracts					
Forward contracts	751	—	—	751	(14)
Cross-currency swaps	354	2,285	5,492	8,131	(751)
	1,105	2,285	5,492	8,882	(765)
Other derivative contracts					
Equity contracts	156	—	—	156	(3)
Futures - long	10	—	—	10	—
Futures - short	317	—	—	317	(2)
Other forward contracts	107	—	—	107	—
	590	—	—	590	(5)
Cash flow hedges					
Interest rate contracts					
Swaps	—	—	36	36	14
Foreign exchange contracts					
Cross-currency swaps	—	1,500	—	1,500	(219)
Net investment hedges [(1)]					
Foreign exchange forward	—	491	—	491	41
Fair value hedges					
Interest rate contracts					
Swaps	—	18	72	90	1
Total	$ 2,874	$ 5,519	$ 7,067	$ 15,460	$ (543)

(1) During the year, the Company reclassified the contract now presented in net investment hedges from foreign exchange contracts - forward contracts to conform to the current year's presentation.

Futures contracts included in the above are exchange traded contracts; all other contracts are over-the- counter.

(c) Interest Rate Contracts

Interest rate swaps, futures and options are used as part of a portfolio of assets to manage interest rate risk associated with investment activities and insurance and investment contract liabilities. Interest-rate swap agreements require the periodic exchange of payments without the exchange of the notional principal amount on which payments are based. Call options grant the Company the right to enter into a swap with predetermined fixed-rate payments over a predetermined time period on the exercise date. Call options are used to manage the variability in future interest payments due to a change in credited interest rates and the related potential change in cash flows due to surrenders. Call options are also used to hedge minimum rate guarantees.

Foreign Exchange Contracts

Cross-currency swaps are used in combination with other investments to manage foreign currency risk associated with investment activities, and insurance and investment contract liabilities. Under these swaps principal amounts and fixed or floating interest payments may be exchanged in different currencies. The Company also enters into certain foreign exchange forward contracts to hedge certain product liabilities.

The ineffective portion of the cash flow hedges during 2015, which includes interest rate contracts and foreign exchange contracts, and the anticipated net gains (losses) reclassified out of accumulated other comprehensive income within the next twelve months is $1. The maximum time frame for which variable cash flows are hedged is 30 years.

Other Derivative Contracts

Equity index swaps, futures and options are used to hedge certain product liabilities. Equity index swaps are also used as substitutes for cash instruments and are used to periodically hedge the market risk associated with certain fee income. Equity put options are used to manage potential credit risk impact of significant declines in certain equity markets.

31. Legal Provisions and Contingent Liabilities

The Company and its subsidiaries are from time to time subject to legal actions, including arbitrations and class actions, arising in the normal course of business. It is inherently difficult to predict the outcome of any of these proceedings with certainty, and it is possible that an adverse resolution could have a material adverse effect on the consolidated financial position of the Company. However, based on information presently known, it is not expected that any of the existing legal actions, either individually or in the aggregate, will have a material adverse effect on the consolidated financial position of the Company. Actual results could differ from management's best estimates.

A subsidiary of the Company, Canada Life, has declared four partial wind-ups in respect of an Ontario defined benefit pension plan. The partial wind-ups will involve the distribution of the amount of actuarial surplus attributable to the wind-ups. A settlement of the class action proceeding commenced in Ontario relating to the partial wind-ups received court approval in 2014. The settlement remains subject to regulatory approval. The provision has been adjusted to $21 as at December 31, 2015.

A subsidiary of the Company, Putnam Advisory Company, LLC, is a defendant in an action in relation to its role as collateral manager of a collateralized debt obligation brought by an institution involved in the collateralized debt obligation. On April 28, 2014, the matter was dismissed. On July 2, 2014, the complainant filed an appeal of the dismissal and on April 15, 2015 the United States Court of Appeals for the Second Circuit issued its decision overturning the dismissal of the action and remanding the matter for further proceedings, which are ongoing. The resolution of this matter will not have a material adverse effect on the consolidated financial position of the Company.

Subsidiaries of the Company in the United States are defendants in proposed class actions relating to the administration of their staff retirement plans, or to the costs and features of certain of their retirement or fund products. These actions are at their early stages. Management believes the claims are without merit and will be aggressively defending these actions. Based on the information presently known these actions will not have a material adverse effect on the consolidated financial position of the Company.

32. Commitments

(a) Letters of Credit

Letters of credit are written commitments provided by a bank. The total amount of letter of credit facilities is U.S. $2,891 of which U.S. $2,739 were issued as of December 31, 2015.

The Reinsurance operation periodically uses letters of credit as collateral under certain reinsurance contracts for on balance sheet policy liabilities.

(b) Investment Commitments

Commitments of investment transactions made in the normal course of operations in accordance with policies and guidelines that are to be disbursed upon fulfillment of certain contract conditions were $203 as at December 31, 2015 maturing within 1 year.

(c) Lease Obligations

The Company enters into operating leases for office space and certain equipment used in the normal course of operations. Lease payments are charged to operations over the period of use. The future minimum lease payments in aggregate and by year are as follows:

	2016	2017	2018	2019	2020	2021 and thereafter	Total
Future lease payments	$ 116	101	87	52	39	76	$ 471

Subsequent to year-end, one of the Company's subsidiaries signed an office lease for 15 years commencing in 2018, for an additional commitment of $271 over the period of the lease.

(d) Other Pledged Assets

In addition to the assets pledged by the Company disclosed elsewhere in the financial statements the Company has pledged, in the normal course of business, $70 of assets of the Company for the purpose of providing collateral for the counterparty.

33. Segmented Information

The operating segments of the Company are Canada, United States, Europe and Lifeco Corporate. These segments reflect the Company's management structure and internal financial reporting and are aligned to its geographic operations. Each of these segments operates in the financial services industry and the revenues from these segments are derived principally from life, health and disability insurance, annuity products, investment management services, savings products and life, property and casualty, accident and health reinsurance. Business activities that are not associated with the specific business units are attributed to the Lifeco Corporate segment.

Transactions between operating segments occur at market terms and conditions and have been eliminated upon consolidation.

The Company has established a capital allocation model to better measure the performance of the operating segments. This segmented information is presented below.

(a) Consolidated Net Earnings

	2015				
	Canada	United States	Europe	Lifeco Corporate	Total
Income					
Total net premiums	$ 11,303	$ 3,858	$ 9,340	$ —	$ 24,501
Net investment income					
Regular net investment income	2,512	1,676	2,081	2	6,271
Changes in fair value through profit or loss	(358)	(532)	(1,120)	—	(2,010)
Total net investment income	2,154	1,144	961	2	4,261
Fee and other income	1,459	2,378	1,221	—	5,058
	14,916	7,380	11,522	2	33,820
Benefits and expenses					
Paid or credited to policyholders	9,991	4,138	8,713	—	22,842
Other [1]	3,143	2,515	1,349	16	7,023
Financing charges	116	144	42	1	303
Amortization of finite life intangible assets	59	69	18	—	146
Restructuring and acquisition expenses	—	12	23	—	35
Earnings (loss) before income taxes	1,607	502	1,377	(15)	3,471
Income taxes (recovery)	285	77	105	(7)	460
Net earnings (loss) before non-controlling interests	1,322	425	1,272	(8)	3,011
Non-controlling interests	111	10	2	—	123
Net earnings (loss)	1,211	415	1,270	(8)	2,888
Preferred share dividends	103	—	23	—	126
Net earnings (loss) before capital allocation	1,108	415	1,247	(8)	2,762
Impact of capital allocation	87	(6)	(73)	(8)	—
Net earnings (loss) - common shareholders	$ 1,195	$ 409	$ 1,174	$ (16)	$ 2,762

[1] Includes commissions, operating and administrative expenses and premium taxes.

33. Segmented Information (cont'd)

	2014				
	Canada	United States	Europe	Lifeco Corporate	Total
Income					
Total net premiums	$ 10,883	$ 3,527	$ 6,812	$ —	$ 21,222
Net investment income					
Regular net investment income	2,548	1,420	2,045	(3)	6,010
Changes in fair value through profit or loss	2,588	784	4,155	—	7,527
Total net investment income	5,136	2,204	6,200	(3)	13,537
Fee and other income	1,409	1,820	1,193	—	4,422
	17,428	7,551	14,205	(3)	39,181
Benefits and expenses					
Paid or credited to policyholders	12,676	4,901	11,583	—	29,160
Other [1]	2,916	1,994	1,237	17	6,164
Financing charges	115	140	48	1	304
Amortization of finite life intangible assets	55	57	20	—	132
Restructuring and acquisition expenses	—	3	29	—	32
Earnings (loss) before income taxes	1,666	456	1,288	(21)	3,389
Income taxes (recovery)	355	128	150	(5)	628
Net earnings (loss) before non-controlling interests	1,311	328	1,138	(16)	2,761
Non-controlling interests	88	6	(1)	—	93
Net earnings (loss)	1,223	322	1,139	(16)	2,668
Preferred share dividends	93	—	23	6	122
Net earnings (loss) before capital allocation	1,130	322	1,116	(22)	2,546
Impact of capital allocation	98	(16)	(78)	(4)	—
Net earnings (loss) - common shareholders	$ 1,228	$ 306	$ 1,038	$ (26)	$ 2,546

[1] Includes commissions, operating and administrative expenses and premium taxes.

(b) Consolidated Total Assets and Liabilities

2015	**Canada**	**United States**	**Europe**	**Total**
Assets				
Invested assets	**$ 67,701**	**$ 43,809**	**$ 50,071**	**$ 161,581**
Goodwill and intangible assets	**5,132**	**2,465**	**2,352**	**9,949**
Other assets	**2,793**	**4,535**	**22,883**	**30,211**
Investments on account of segregated fund policyholders	**70,269**	**35,966**	**91,959**	**198,194**
Total	**$ 145,895**	**$ 86,775**	**$ 167,265**	**$ 399,935**

2015	**Canada**	**United States**	**Europe**	**Total**
Liabilities				
Insurance and investment contract liabilities	**$ 60,234**	**$ 39,903**	**$ 60,535**	**$ 160,672**
Other liabilities	**6,703**	**5,189**	**3,917**	**15,809**
Investment and insurance contracts on account of segregated fund policyholders	**70,269**	**35,966**	**91,959**	**198,194**
Total	**$ 137,206**	**$ 81,058**	**$ 156,411**	**$ 374,675**

2014	Canada	United States	Europe	Total
Assets				
Invested assets	$ 64,718	$ 36,198	$ 45,440	$ 146,356
Goodwill and intangible assets	5,123	2,061	2,296	9,480
Other assets	3,277	3,613	19,017	25,907
Investments on account of segregated fund policyholders	68,372	31,030	75,564	174,966
Total	$ 141,490	$ 72,902	$ 142,317	$ 356,709

2014	Canada	United States	Europe	Total
Liabilities				
Insurance and investment contract liabilities	$ 59,274	$ 32,973	$ 53,808	$ 146,055
Other liabilities	5,590	4,517	3,684	13,791
Investment and insurance contracts on account of segregated fund policyholders	68,372	31,030	75,564	174,966
Total	$ 133,236	$ 68,520	$ 133,056	$ 334,812

34. Comparative Figures

The Company reclassified certain comparative figures to conform to the current year's presentation. The reclassifications had no impact on the net earnings of the Company.

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INDEPENDENT AUDITOR'S REPORT

To the Shareholders of Great-West Lifeco Inc.

We have audited the accompanying consolidated financial statements of Great-West Lifeco Inc., which comprise the consolidated balance sheets as at December 31, 2015 and December 31, 2014, and the consolidated statements of earnings, consolidated statements of comprehensive income, consolidated statements of changes in equity and consolidated statements of cash flows for the years then ended, and the notes to the consolidated financial statements.

Management's Responsibility for the Consolidated Financial Statements
Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with International Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility
Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We conducted our audits in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained in our audits is sufficient and appropriate to provide a basis for our audit opinion.

Opinion
In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of Great-West Lifeco Inc. as at December 31, 2015 and December 31, 2014, and its financial performance and its cash flows for the years then ended in accordance with International Financial Reporting Standards.

Deloitte LLP

Chartered Accountants
February 11, 2016
Winnipeg, Manitoba