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ANNUAL REPORT



#### **BUSINESS REVIEW**

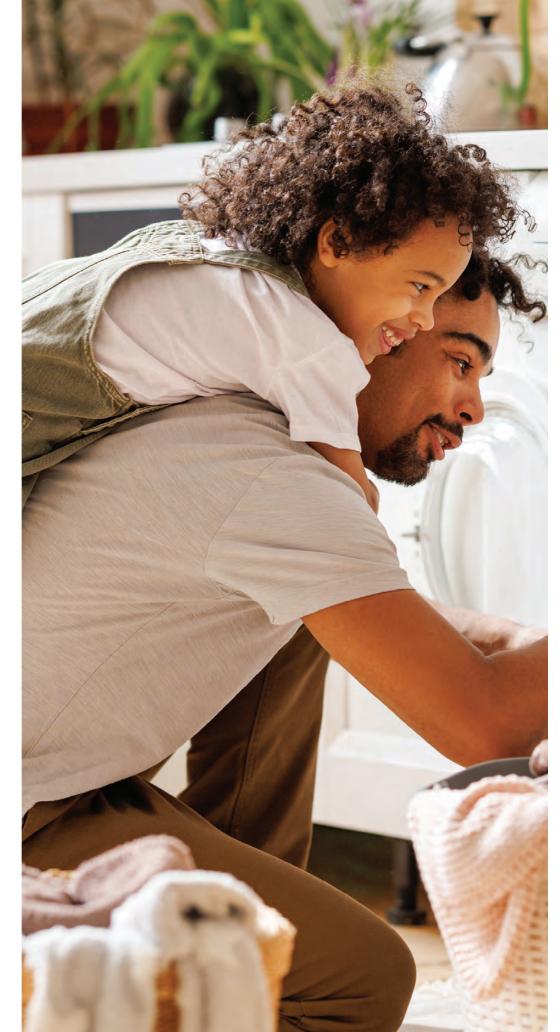
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The financial information in this report is presented in millions of Canadian dollars for the period ended December 31, 2022, unless otherwise indicated.

Refer to the Cautionary Notes regarding forward-looking information and non-GAAP financial measures on page 19.





**GREAT-WEST LIFECO BY THE NUMBERS** 

**38**<sup>+</sup> million

Customer relationships

234,500<sup>+</sup>

Advisor relationships supporting our customers

**31,000**<sup>+</sup>

Employees supporting our customers

**175** years

Of delivering on our promises

**\$58.8** billion

Benefits paid to our customers

\$2.5 trillion

Assets under administration\*

\*This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.



JEFFREY ORR
CHAIR OF THE BOARD

PAUL MAHON
PRESIDENT AND CHIEF EXECUTIVE OFFICER

Great-West Lifeco's performance is guided by a steadfast commitment to our purpose: to build stronger, more inclusive, and financially secure futures.

We are here for life. By responding to the unique needs and challenges of customers, advisors, and communities, we're delivering on our commitments, and earning the trust of our shareholders and other stakeholders. This focus has helped drive continued momentum in 2022 and strong results across our businesses.

2022 was a challenging year for so many. Our colleagues, customers, and communities grappled with rising inflation, higher interest rates, the effects of climate change, and the lingering COVID-19 pandemic. Ongoing war in Ukraine, supply chain disruptions, and global energy market prices have also had a tangible impact on people's everyday lives.

Throughout these challenges, Great-West Lifeco has continued to focus on supporting our stakeholders by living up to our commitments – demonstrating strength, resilience and positive momentum.

Throughout 2022, we remained focused on what matters. We delivered for our customers by improving access to advice, solutions, and

service. We made disciplined choices through our investments to enable our long-term growth and stability and created lasting value for our shareholders and other stakeholders.

Taken together, we're contributing to a better tomorrow and having a positive impact on the world around us.

#### **DELIVERING FOR CUSTOMERS**

We believe in the fundamental value of advice.

We provide guidance and solutions that empower our customers through all of life's moments.

Over our 175-year history, we've earned a trusted reputation by continuously striving to deliver solutions in a responsible way.

Our belief in the value of advice informs how we've made investments across our businesses to generate success over the long term.

Through our leading workplace benefits and retirement solutions, we connect with millions of customers each year. The addition of new digital experiences and capabilities are making advice and solutions available to more people than ever before. In the U.S., Empower has extended the reach of their Personal Capital enabled wealth management services to millions of Americans. In Canada, our Freedom Experience better meets the unique needs of customers, beyond their workplace benefit plans. These platforms are providing the tools and insights customers need to achieve better outcomes over the course of their lifetime.

No matter the challenge, we're here for our customers, anticipating their needs and tailoring our solutions to meet them. As part of our commitment to service excellence, Irish Life partnered with a leading primary care provider in 2022 to offer a blended in-person and digital healthcare offering, and Canada Life expanded its benefits payment back office to process claims faster and continually improve the member experience.

### DISCIPLINED CHOICES THAT ENABLE GROWTH

Our ability to deliver customer centred advice and solutions across multiple channels is grounded in the financial strength of our company and the deep expertise of our people. Across our business segments, we are positioned for continued strong performance, bolstered by the diversification of our portfolio, and supported by a disciplined, deliberate approach to growing stakeholder value.

We continue to deliver strong results that reflect organic growth, the benefits of recent strategic acquisitions, and disciplined capital deployment.

We continue to deploy capital where we see promising opportunities. In 2022, this included:

 The acquisition of Prudential's full-service retirement services business, expanding Empower's reach to more than 17 million Americans

- Canada Life's launch of SecurePak through ClaimSecure, enhancing our ability to provide client-focused workplace benefit solutions to Canadians
- Putnam Investments' creation of new sustainable investment options to meet evolving market demand; and,
- Canada Life Reinsurance' expansion into new markets with innovative solutions.

We are driving responsible growth by expanding access to advice-enabled insurance, wealth, retirement and wellness solutions for our diverse customers – now and into the future.

#### STRIVING FOR A BETTER TOMORROW

Responsible management has long been a core value of Great-West Lifeco; it's essential to our long-term value creation.

Guided by our purpose, we've been focused on what we can do to build a stronger, more inclusive, and diverse company today – with a view to an even better tomorrow.

We have been hard at work thoughtfully developing and implementing strategies in support of sustainability, including equity, diversity, and inclusion, across our organization.

In 2022, we established an Executive Steering group to drive coordination, collaboration and performance around a clear sustainability and impact strategy. We have set goals to achieve carbon neutrality and net zero greenhouse gas emissions, for our operations and investments by 2050, and we are on track to grow representation of women in management roles to 50% across our business segments by 2030. We are also working to increase representation of underrepresented minorities in management roles to 25% by 2030.

The importance of helping more people achieve financial, physical, and mental well-being is clearer than ever before. Community support has long been an integral part of this work and our group of companies play a critical role in our local communities.

Through targeted funding, we've helped create quality career paths for diverse talent in the BIPOC community, including through the James W. Burns Leadership Institute in Manitoba, and a new BIPOC Legacy Award at Western University. We've contributed to greater financial security for underserved populations, made investments in arts and education, and helped ensure the delivery of aid in the wake of global crises, including to Ukrainian refugees.

As a leading financial services company with strong Canadian roots and history, we recognize our responsibility to Canada's First Peoples and our defining role in the commitment to Truth and Reconciliation. We continue to take steps to promote Indigenous ways of knowing and education. This year, we took further steps and responded to Canada's Truth and Reconciliation Commission's Calls to Action #80 and #92, by providing a paid day away from work for all employees to engage meaningfully in truth and reconciliation. We're supporting our employees in their journeys by providing curated learning resources and enabling them to participate in Indigenous-led activities.

#### THE YEAR AHEAD

At Great-West Lifeco, we believe in doing what's right, creating lasting value, and thinking generations ahead.

In an increasingly complex and uncertain world, our people, our customers, and our communities look to us to be a partner during times of challenge and opportunity. Whether it be advice and solutions to support customers' changing needs, career opportunities and growth for our people, or investments that build communities, we will continue to focus our efforts on delivering solutions that last – with impact today, tomorrow and for the generations that follow.

As we enter 2023, our business is well-positioned to deliver on our commitments and create even greater value for shareholders and other stakeholders. We will pursue our growth plans with discipline and purpose, by leveraging our strengths and navigating challenges, as we seize new opportunities.

#### **THANK YOU**

We would like to extend our sincere thanks to our customers, advisors, and shareholders for your confidence in us, and to our employees and associates for your hard work and dedication. We look forward to continuing our work together delivering advice and solutions that individuals, families and businesses can count on, for life.

**JEFFREY ORR** CHAIR OF THE BOARD **PAUL MAHON** PRESIDENT AND CHIEF EXECUTIVE OFFICER

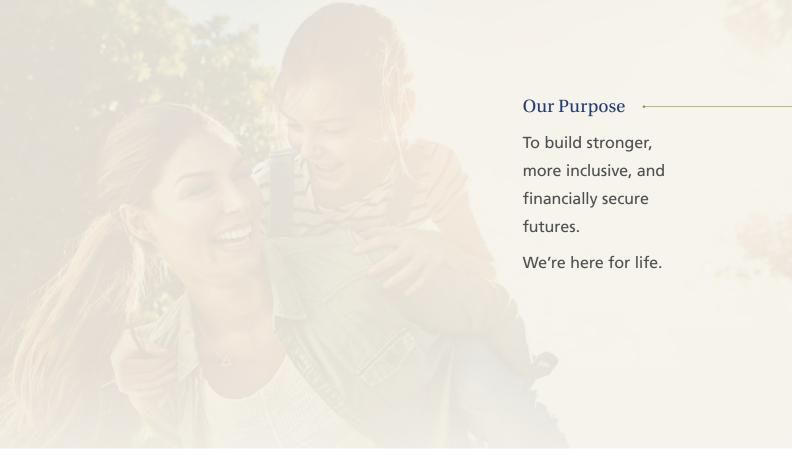
#### Stable and Effective Governance

Effective governance is key to creating consistently strong long-term performance and for developing positive outcomes for all our stakeholders.

We sincerely thank our Board of Directors, who lead our companies with strong governance and management oversight.

At our 2022 Annual Meeting we announced the retirement of one of our directors, Elizabeth C. Lempres. We thank Ms. Lempres for her dedicated service and valuable contributions to Great-West Lifeco.

Learn more about our Board of Directors and Officers on page 206.



#### Our Commitments •

We are invested for the long-term, to achieve growth and create lasting value for our people, our customers, our communities, and our planet.



**Building Better Financial Futures** 



Creating Inclusive Communities



Protecting Our Planet

#### **Our Four Value-Creation Priorities**

Focused on the customer and leveraging our risk and investment expertise, our four value-creation priorities help drive growth across our business' portfolio. These priorities represent areas of strength where we are committed to investing to create shareholder value.



Advice-Centered Value Creation



Digital Capabilities



Workplace Extensions



Risk & Investment Expertise



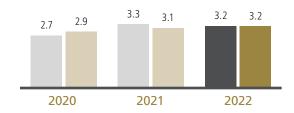
### **Financial Performance**



The strength of our results reflects the resilience and diversification of our businesses, and a disciplined approach to capital deployment.

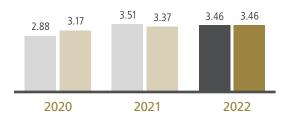
MEDIUM TERM	1-YE/ 2021-2		5-YEAR 2017-2022				
FINANCIAL OBJECTIVES <sup>1</sup>	BASE <sup>2</sup>	NET	BASE <sup>2</sup>	NET			
8-10% base <b>EPS</b> growth	(1.5)%	2.7%	8.8% CAGR	9.7% CAGR			
14-15% base <b>ROE</b>	13.6%	13.6%	13.1%	13.5%			
Target dividend payout ratio 45-55% of base earnings	56.7%	56.7%	58.3% average	56.7% average			

#### **EARNINGS** (\$ billions)



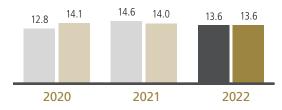
**\$3.22** billion

#### EARNINGS PER SHARE<sup>2</sup> (\$)



**3.46** per share

#### **RETURN ON EQUITY<sup>3</sup> (%)**



**13.6**% ROE

LICAT RATIO<sup>4</sup>

<sup>1 2017</sup> base earnings were calculated by excluding items from net earnings as discussed in the "Non-GAAP Financial Measures and Ratios" section of Lifeco's 2022 Annual MD&A, which is included in this Annual Report. Refer to note 2 on page 22 for additional details regarding the calculation of 2017 base earnings.

<sup>2</sup> Base earnings per common share (EPS), base return on common shareholders' equity (ROE) and target dividend payout ratio (base) are non-GAAP ratios calculated using base earnings, a non-GAAP financial measure. These ratios/measures do not have standardized meanings under GAAP and might not be comparable to similar financial measures disclosed by other issuers. Additional information on these ratios/measures is incorporated by reference and can be found under "Non-GAAP Financial Measures and Ratios" on page 102 of this report.

The description of net ROE is incorporated by reference and can be found under "Glossary" in our 2022 Annual MD&A on page 106 of this report.

LICAT ratio of The Canada Life Assurance Company, calculated in accordance with the OSFI Life Insurance Capital Adequacy Test guideline. For additional information, see "Capital

Management and Adequacy" on page 46 of this report.

### Delivering for Customers

#### "MY CANADA LIFE" GETS EVEN EASIER

In Canada, a newly launched customer site called My Canada Life is providing customers with easy access to insurance and investments information in one spot. More than 80% of our customers are choosing to enroll in e-documents. E-documents offer the convenience of viewing and downloading paperless statements and information.

#### **IRISH LIFE DEBUTS ALL-IN-ONE APP**

MyLife is a personalised health and wellbeing app that rewards people to lead a healthier and more active life. The app helps people better understand their health and supports them to improve it.

#### **FOCUSING ON FINANCIAL SOLUTIONS**

The Canada Life Financial Solutions Centre™ (FSC) team of financial security advisors and investment representatives is providing Canadian clients with advice and services to meet their needs.

The FSC, launched in 2020, now serves more than 75,000 clients – an increase of more than 200% from the prior year.

Through the FSC, we're partnering with advisors to help them streamline their practices. The opportunity to transfer clients to the FSC allows advisors more time to focus on growing their business and deepening relationships with their target client segments.

#### **SUPPORTING ADVISORS & CLIENTS**

In 2022, we enhanced our wealth offering in Canada with the launch of new digital capabilities and processes to support advisors. This included the successful implementation of CapIntel, an industry-leading digital investment sales platform. CapIntel will help Canada Life provide a better experience to both their advisors and clients, which will lead to better advice, stronger relationships and realized financial goals.

### GROUP PLAN MEMBERS ENJOY FLEXIBLE RESP SAVINGS OPTIONS

Canadian group benefits and retirement savings plan members have embraced Canada Life RESPs' new automatic payroll contributions and multi-plan options. Multi-plans help family members come together to invest in their child's future education. A simple online process empowers members to set up auto contributions in a worry-free way that works best for them.



### NEW CARE-CONNECT VENTURE HELPS REDUCE HOSPITAL VISITS

Irish Life and Centric Health's new venture Care-Connect is custom made for the market, aiming to help reduce the expense and stress of unnecessary hospital visits. Care-Connect's first program, Heart Care, helps people recovering from heart failure to manage their condition more effectively from home. By providing community healthcare access via a blend of remote monitoring, in addition to digital and in-person care, it helps members and their families manage chronic conditions, improving both patients' experience and health outcomes.



#### CANADA LIFE U.K.'S WECARE DOUBLES USER REGISTRATIONS

WeCare's digital health and wellbeing services hit a milestone this year in the U.K.: more than 100,000 people have registered to access the diverse range of support services. Services offered include physician and second medical opinion consultants, as well as mental health, smoking cessation counselling, and diet and fitness advice.

#### FEELING THE FREEDOM EXPERIENCE™

Canada Life's Freedom Experience™ is centered around meeting members where they are on their journey. Previously known as Plan Member as Customer, it supports Canadian customers in building health and wealth plans that will help them live their definition of freedom – whatever that means to them.

The company also re-branded its optional group savings and benefits products to offer a simplified, cohesive experience for members. The re-branding builds on the legacy of our Freedom 55 Financial brand which has stood for guidance, planning and choice

### EMPOWER PERSONAL WEALTH READIES FOR LIFT OFF IN 2023

Pairing smart technology with a financial advisor's expertise, the combination of Personal Capital and Empower provides customers with financial wellness like never before. From offering a birds-eye view of a customer's finances and helping them save and spend smarter, to simulating and planning their retirement, the newly combined entity known as Empower Personal Wealth joins both firms' expertise. For Lifeco, this combination is helping harness a significant retail wealth management opportunity, allowing us to serve the broader financial needs of Empower's plan participants as well as new retail customers.

### Disciplined Choices that Enable Growth

## EMPOWER COMPLETES ACQUISITION OF PRUDENTIAL'S FULL-SERVICE RETIREMENT BUSINESS

Empower completed the acquisition of Prudential Financial Inc.'s full-service retirement business including its defined contribution and defined benefit businesses; non-qualified and rollover IRA business; as well as stable value and separate account investment products and platforms. This expanded Empower's reach to more than 17 million retirement plan participants with \$1.3 trillion in assets under administration on behalf of over 81,000 clients.

The company also finished integrating MassMutual's retirement business. Through this transaction, Empower earned the trust of over 20,000 MassMutual clients and 2.3 million participants, achieving a 92% participant retention rate as of Aug. 31, 2022. In addition, Empower retained 87% of all plans, and 91% of client assets at a value of over \$174 billion.

### CAPITAL AND RISK SOLUTIONS EXPANDS TO NEW MARKETS

Through Canada Life Reinsurance, our Capital and Risk Solutions business continues to expand and grow by providing tailored solutions to their customers while providing greater diversification within our portfolio. In 2022, we expanded our reinsurance business in Asia and collaborated with an Israeli company to develop the first mortgage reinsurance product in Israel. We also completed a structured mortality transaction with Allianz in Indonesia – our first transaction in the Indonesian market. Under the agreement, Canada Life Reinsurance provides protection against adverse mortality experience on a portfolio of credit life business.



#### **PUTNAM LAUNCHES NEW EXCHANGE-TRADED FUNDS**

Putnam Investments introduced two new transparent, actively managed equity exchange-traded funds (ETFs). The firm launched Putnam BDC Income ETF, concentrating in business development companies (BDCs). The second fund, Putnam BioRevolution™ ETF, is centered on companies operating at the intersection of technology and biology in the "biology revolution." Importantly, the Putnam BDC Income ETF represented the first actively managed BDC ETF in the marketplace, investing with an eye toward generating income for investors. The new offerings further expanded Putnam's ETF lineup in the marketplace.

### CLAIMSECURE & CANADA LIFE LAUNCH SECUREPAK IN CANADA

Leveraging the strengths of two organizations, Canada Life and ClaimSecure launched SecurePak. The bundled offering combines Canada Life's insurance benefits with ClaimSecure's health and dental claims adjudication services.

SecurePak provides a standout client experience, requiring only one quote and application for a single product at a competitive price. In addition to its simple, efficient sales and on-boarding, group benefits plan sponsors value the use of modernized claims processing through ClaimSecure paired with the security of Canada Life's pooled products.

## CANADA LIFE WELCOMES CANADIAN FEDERAL GOVERNMENT PUBLIC SERVICE HEALTH CARE PLAN

Canada Life is gearing up to support the well-being of approximately 1.5 million more Canadians covered by the Public Service Health Care Plan (PSHCP). With close to 750,000 eligible public servants and their dependants from coast to coast, the plan brings an estimated \$26 billion in annual premium over a 12-year contract that goes live on July 1, 2023. Being the provider of choice for the PSHCP is a major strategic achievement for our business and an endorsement of our capabilities and our brand in the Canadian market.

#### LAUNCH OF NEW FORUM & SAMA FUNDS EXPANDS ADVISERS' OPTIONS

Irish Life Investment Managers (ILIM) FORUM funds offer a range of risk-rated passively managed funds targeting long-term growth. The Multi-Asset (SAMA) funds from Setanta Asset Managers are actively managed portfolios with a combination of equities, bonds, property, cash, and alternatives.

These new funds, available through the company's brokerage platform, expand the range of solutions available to meet diverse customer needs, while also complementing the existing multi-asset portfolio risk managed funds (MAPS) and post retirement funds (REPS) offerings.

### Striving for a Better Tomorrow

### **Building Better Financial Futures**

#### **RESPONSIBLE INVESTING'S INNOVATION, DEMAND GROWS**

The rapidly growing field of responsible investing demands a focus on innovation. Canada Life launched the Canada Life U.S. Carbon Transition Equity Fund and the Canada Life Sustainable Emerging Markets Equity Fund. Both were added to the Canada Life Sustainable Portfolios and Target Date Funds. These were included to optimize the portfolios multi-strategy approach, blending several responsible investing approaches into one portfolio. Notably, the Sustainable Portfolios' assets have grown to over \$275 million.

Additionally, Canada Life launched new Index ETF Portfolios in the third quarter of 2022, providing customers with the convenience of an all-in-one managed solution that offers the protection of a segregated fund policy along with the value of a cost-efficient structure.

#### **Creating Inclusive Communities**

### RECOGNIZING JUNETEENTH & BLACK CULTURE IN AMERICA

The Juneteenth federal holiday marks when the last slaves were freed in Galveston, Texas on June 19, 1865 – 2.5 years after the Emancipation Proclamation was signed. Empower and Putnam Investments recognize Juneteenth as a company holiday and close their U.S. operations. Throughout the year, Empower's BOLD (Black Organization for Leadership & Development) business resource group provides educational resources and inspiring speakers on a variety of topics, including to honor the history, culture, and contributions of Black and African American people. Empower and Putnam Investments believe it is essential to have a workforce as diverse as the clients and participants they serve and strive for diversity in hiring at all levels.

### ATTRACTING DIVERSE FINANCIAL ADVISOR TALENT

Canada Life's advisor practice development and talent business unit is designed to support financial advisors' vision of business growth throughout the evolution of their practice. As the Canadian industry evolves, our training and recruiting reflect those changes, too. The business unit's diversity, equity, inclusion and belonging training has seen very high participation. The training has supported increased diversity in recruiting – specifically helping to attract more women and Mandarinspeaking advisors to



### TAKING STEPS TOWARDS TRUTH AND RECONCILIATION IN CANADA

Canadian employees received a paid day away from work to take part in reconciliation activities on National Day for Truth and Reconciliation on September 30. Curated resources guided employees toward learning and participating in Indigenousled activities that honoured the spirit of truth and reconciliation. The company has also invested more than \$2.5 million to Indigenous-focused initiatives across the country in the last 5 years.

### U.K. WORKPLACE CAMPAIGN SUPPORTS WOMEN MOVING THROUGH MENOPAUSE

Canada Life signed the U.K. workplace menopause pledge to help support gender diversity and raise awareness about menopause in the workplace. The company went further by launching a menopause toolkit and providing employees with access to the Peppy support app. Peppy offers women moving through menopause a broad range of support, including practical advice on how to manage symptoms and provides access to experts who can provide emotional support during this transition in life.

#### IRISH LIFE DUBLIN MARATHON: THE FRIENDLY MARATHON FOR ALL ABILITIES

Under beautiful clear blue skies, almost 15,000 runners, wheelchair participants, walkers, and joggers of all abilities tackled 26.2 miles in the Irish Life Dublin Marathon on October 29.

This year is the first of Irish Life's three-year event title sponsorship, which aligns with the company's goal to help people live healthier lives and build better futures.

World-renowned for its fan support, the event is also known as "the friendly marathon" as more than 330,000 spectators line the route to cheer racers on. The marathon contributes nearly €25 million to the Dublin economy and raises an estimated €9 million for charity.



#### **Protecting Our Planet**

### CARBON CALCULATOR & SOLAR BILLBOARD EDUCATE IRELAND

One of the best ways an individual can make a positive change to the environment is by investing their pension in responsible funds. Yet research told Irish Life that people often meet this fact with disbelief, surprise, and hesitance.

This insight led Irish Life to create a national advertising and communication campaign to show people how they can do right by their money – for their future, their families' future, and the planet.

The first solar powered billboard in Ireland helped bring the campaign message to life. Meanwhile, the launch of an innovative carbon calculator enabled customers' understanding of the positive impact made through their responsibly invested Irish Life pension fund.



Photo credit: MicroHabitat

### GWLRA ROOFTOP GARDENS SUPPLY HEALTHY VEGGIES TO FOODBANKS

Working with Microhabitat, GWL Realty Advisors (GWLRA) continued to host incredible rooftop gardens on 17 managed office properties across Canada. In total, the gardens yielded a harvest of over 6,400 lbs of vegetables, herbs, and edible flowers in the 2022 season. Sharing the harvest with local food banks and community organizations allowed GWLRA to directly help fill a need for accessible and fresh nutritious food at a time when Canadian food bank usage is quickly rising.

#### **CHOOSING SUSTAINABLE TRANSPORTATION**

#### CANADA'S COMMUTER CHALLENGE

During Canadian Environment Week in June, the Commuter Challenge encourages Canadians to choose active, sustainable transportation to get to work. Over 300 Canada Life employees across the country participated in the event in 2022, tracking almost 38,000 kilometers on their sustainable commutes. Their efforts to walk or cycle, take transit or carpool, or telecommute offset nearly 8,000 kilograms of carbon dioxide (CO2) emissions. Thats equivalent to the amount of carbon sequestered by over 130 tree seedlings grown for 10 years, according to the U.S. EPAs Greenhouse Gas Equivalencies greenhouse gas equivalencies calculator.

### E-BIKE LEASING SUPPORTS ECO-COMMUTING IN GERMANY

According to the European Environment Agency, 25% of the EUs greenhouse gas emissions stem from transportation. To help protect the environment, Canada Life Germany's offices encourage employees to be green commuters through their affordable electric bike, or e-bike, leasing program. E-bikes are a more environmentally friendly way to get around and offer excellent health and fitness benefits.

Our commitment to responsible management underpins our approach to ESG. We are building a resilient business to help drive sustainable long-term value for all our stakeholders.





TASK FORCE ON CLIMATE-RELATE FINANCIAL DISCLOSURES

Irish Life Investment Managers, Putnam Investments, PanAgora Asset Management, and Setanta Asset Management are signatories Great-West Lifeco has been a supporter since 2020







GWLRA maintains more than 350 green building certifications under LEED® and/or BOMA BEST®.

GWLRA also pursues health and wellness, accessibility, and inclusive design certifications from FitWel®, WELL®, and the Rick Hansen Foundation, including for Canada Life's head offices.

# CDP\* Score of A-

The top ranked North American life insurance company

### **127** billion

in ESG-related strategies managed by Lifeco asset management affiliates

### \$6.35\* billion\*\*

Invested in wind, solar, hydroelectric renewable energy projects

On track to achieve

**50**%

women in management roles by 2030

Making progress towards achieving

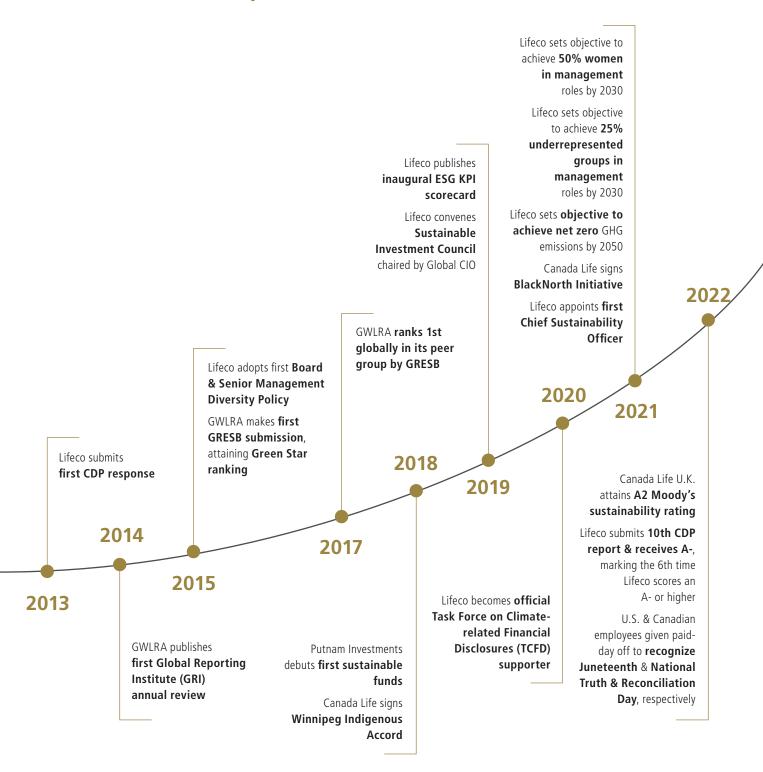
**25**%

underrepresented groups in management roles by 2030

<sup>\*</sup>CDP's (formerly known as Carbon Disclosure Project) annual environmental disclosure and scoring process is a widely recognized standard of corporate environmental transparency and action.

<sup>\*\*</sup>this figure also includes environmentally-minded private equity investments such as a sustainable food and agriculture fund.

### Our ESG Journey



### Investing in Our Communities

### **SUPPORTING UKRAINE & UKRAINIAN REFUGEES**

Since the beginning of the war in Ukraine, Great-West Lifeco's group of companies have stepped up to support humanitarian causes in the country in a variety of ways.

In Europe, Canada Life donated €250,000 supporting UNICEF's humanitarian work on the ground in Ukraine and bordering countries. In Canada, the group of companies provided over \$200,000 to support the Canadian Red Cross Ukraine Humanitarian Crisis Appeal.

But the companies support goes beyond financial donations. For instance, in Europe, war-displaced families in Germany were invited to join Canada Life employees and their families for a relaxing summer picnic day at a local park. And in Canada, a hygiene product drive across five main offices gathered more than 70 boxes filled to the brim with soap, toothpaste, and other necessities, bound for local chapters of the Ukrainian Canadian Congress to provide to newcomers.

Lifeco contributed to the Ukrainian Canadian Congress' 27th Triennial Conference which took place in Winnipeg in October. At the congress, over 400 delegates and guests from Ukrainian Canadian organizations and communities adopted resolutions that will guide the important work of the UCC over the next three years.

Photo credit: Norbert K. Iwan

In the last 10 years, we've contributed over \$150 million to communities across Canada, the U.S., and Europe.

From reforestation by tree planting, to blood donation, to helping secure emergency aid after crisis and natural disasters, we've been there. Together, we're making a positive difference for our people, our customers, our communities, and our world.

#### **2022 GIVING HIGHLIGHTS**

### **\$16.3** million

Invested by Great-West Lifeco companies to build community capacity

# **675** organizations

Supported across Canada, the U.S., and Europe



This Management's Discussion and Analysis (MD&A) presents management's view of the financial condition, financial performance and cash flows of Great-West Lifeco Inc. (Lifeco or the Company) for the three and twelve months ended December 31, 2022 and includes a comparison to the corresponding periods in 2021, to the three months ended September 30, 2022, and to the Company's financial condition as at December 31, 2021, as applicable. This MD&A provides an overall discussion, followed by analysis of the performance of Lifeco's four major reportable segments: Canada, United States (U.S.), Europe and Capital and Risk Solutions.

#### **Businesses of Lifeco**

Lifeco has operations in Canada, the United States and Europe through The Canada Life Assurance Company (Canada Life), Empower Annuity Insurance Company of America (Empower, formerly known as Great-West Life & Annuity Insurance Company), Putnam Investments, LLC (Putnam) and Irish Life Group Limited (Irish Life).

In Canada, Canada Life offers a broad portfolio of financial and benefit plan solutions for individuals, families, businesses and organizations through two primary business units: Individual Customer and Group Customer. Through the Individual Customer business unit, the Company provides life, disability and critical illness insurance products as well as wealth savings and income products to individual customers. These products are distributed through multiple channels: Advisor Solutions, managing general agencies (MGAs), national accounts and Financial Horizons Group. Through the Group Customer business unit, the Company provides life, accidental death and dismemberment, critical illness, disability, health and dental protection, creditor insurance as well as retirement savings and income and annuity products and other specialty products to group clients in Canada. These products are distributed through an extensive network of group sales offices located across the country through brokers, consultants and financial security advisors.

In the U.S., Empower is a leading provider of employer-sponsored retirement savings plans in the public/non-profit and corporate sectors that offers saving, investment and advisory services through employer-sponsored plans and individual product solutions. This includes the full-service retirement services business of Prudential Financial, Inc. (Prudential) acquired on April 1, 2022. Personal Capital Corporation (Personal Capital) is a hybrid wealth manager that combines a leading-edge digital experience with personalized advice. Empower's products and services are marketed nationwide through its sales force, brokers, consultants, advisors, third-party administrators and financial institutions. Putnam provides investment management services and related administrative functions and distribution services, through a broad range of investment products, including the Putnam Funds, its own family of mutual funds, which are offered to individual and institutional investors.

The Europe segment is comprised of three distinct business units serving customers in the United Kingdom (U.K.), Ireland and Germany, offering individual and group protection and wealth management products, including payout annuity products, equity release mortgages, pensions and investments products. The U.K. and Germany business units operate under the Canada Life brand and the Ireland business unit operates under the Irish Life brand.

The Capital and Risk Solutions segment includes the Reinsurance business unit, which operates primarily in the U.S., Barbados, Bermuda and Ireland. Reinsurance products are provided through Canada Life and its subsidiaries and include both reinsurance and retrocession business transacted directly with clients or through reinsurance brokers. As a retrocessionaire, the Company provides reinsurance to other reinsurers to enable those companies to manage their insurance risk.

Lifeco currently has no other material holdings and carries on no business or activities unrelated to its holdings in Canada Life, Empower, Putnam, Irish Life and their subsidiaries. However, Lifeco is not restricted to investing in those companies and may make other investments in the future.

#### **Basis of Presentation and Summary of Accounting Policies**

The consolidated financial statements of Lifeco, which are the basis for data presented in this report, have been prepared in accordance with International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB) unless otherwise noted and are presented in millions of Canadian dollars unless otherwise indicated. This MD&A should be read in conjunction with the Company's annual consolidated financial statements for the period ended December 31, 2022.

#### **Cautionary Note Regarding Forward-Looking Information**

This report contains forward-looking information. Forward-looking information includes statements that are predictive in nature, depend upon or refer to future events or conditions, or include words such as "will", "may", "expects", "anticipates", "intends", "plans", "believes", "estimates", "objective", "target", "potential" and other similar expressions or negative versions thereof. Forward-looking information includes, without limitation, statements about the Company's operations, business (including business mix), financial condition, expected financial performance (including revenues, earnings or growth rates and mediumterm financial objectives), ongoing business strategies or prospects, climate-related and diversity-related measures, objectives and targets, anticipated global economic conditions and possible future actions by the Company, including statements made with respect to the expected cost (including deferred consideration), benefits, timing of integration activities and timing and extent of revenue and expense synergies of acquisitions and divestitures, including but not limited to the acquisitions of the full-service retirement business of Prudential, Personal Capital and the retirement services business of Massachusetts Mutual Life Insurance Company (MassMutual), expected capital management activities and use of capital, estimates of risk sensitivities affecting capital adequacy ratios, expected dividend levels, expected cost reductions and savings, expected expenditures or investments (including but not limited to investment in technology infrastructure and digital capabilities and solutions), the timing and completion of the joint venture between Allied Irish Banks plc (AIB) and Canada Life Irish Holding Company Limited, the impact of regulatory developments on the Company's business strategy and growth objectives, the expected impact of the ongoing pandemic health event resulting from the coronavirus (COVID-19) and related economic and market impacts on the Company's business operations, financial results and financial condition. Forward-looking information also includes, without limitation, statements about the expected impact (or lack of impact) of IFRS 17, Insurance Contracts and IFRS 9, Financial Instruments on the Company's business strategy, financial strength, deployable capital, Life Insurance Capital Adequacy Test (LICAT) ratio, base and net earnings, shareholders' equity, ratings and leverage ratios.

Forward-looking statements are based on expectations, forecasts, estimates, predictions, projections and conclusions about future events that were current at the time of the statements and are inherently subject to, among other things, risks, uncertainties and assumptions about the Company, economic factors and the financial services industry generally, including the insurance, mutual fund and retirement solutions industries. They are not quarantees of future performance, and the reader is cautioned that actual events and results could differ materially from those expressed or implied by forward-looking statements. Many of these assumptions are based on factors and events that are not within the control of the Company and there is no assurance that they will prove to be correct. In particular, statements about the expected impact of IFRS 17 on the Company (including statements about the impact on base and net earnings and the Canada Life Assurance Company LICAT Ratio) are based on the Company's expected 2023 earnings mix and composition as at the start of 2023, including the reflection of insurance contract earnings on an IFRS 17 basis and adjusted to reflect fully synergized earnings from the acquisitions of MassMutual and Prudential's retirement services businesses, and on current market and economic conditions. Further, the LICAT sensitivities presented in this MD&A have been prepared on the basis of IFRS 4, Insurance Contracts and IAS 39, Financial Instruments: Recognition and Measurement (IAS 39) and may change on transition to IFRS 17 and IFRS 9. In all cases, whether or not actual results differ from forward-looking information may depend on numerous factors, developments and assumptions, including, without limitation, the severity, magnitude and impact of the COVID-19 pandemic (including the effects of the COVID-19 pandemic and the effects of governments' and other businesses' responses to the COVID-19 pandemic on the economy and the Company's financial results, financial condition and operations), the duration of COVID-19 impacts and the availability and adoption of vaccines, the effectiveness of vaccines, the emergence of COVID-19 variants, geopolitical tensions and related economic impacts, assumptions around sales, fee rates, asset breakdowns, lapses, plan contributions, redemptions and market returns, the ability to integrate the acquisitions of Personal Capital and the retirement services businesses of MassMutual and Prudential, the ability to leverage Empower's, Personal Capital's, MassMutual's and Prudential's retirement services businesses and achieve anticipated synergies, customer behaviour (including customer response to new products), the Company's reputation, market prices for products provided, sales levels, premium income, fee income, expense levels, mortality experience, morbidity experience, policy and plan lapse rates, participant net contribution, reinsurance arrangements, liquidity requirements, capital requirements, credit ratings, taxes, inflation, interest and foreign exchange rates, investment values, hedging activities, global equity and capital markets (including continued access to equity and debt markets), industry sector and individual debt issuers' financial conditions (including developments and volatility arising from the COVID-19 pandemic, particularly in certain industries that may comprise part of the Company's investment portfolio), business competition, impairments of goodwill and other intangible assets, the Company's ability to execute strategic plans and changes to strategic plans, technological changes, breaches or failure of information systems and security (including cyber attacks), payments required under investment products, changes in local and international laws and regulations, changes in accounting policies and the effect of applying future accounting policy changes, changes in actuarial standards, unexpected judicial or regulatory proceedings, catastrophic events, continuity and availability of personnel and third party service providers, the Company's ability to complete strategic transactions and integrate acquisitions, unplanned material changes to the Company's facilities, customer and employee relations or credit arrangements, levels of administrative and operational efficiencies, changes in trade organizations, and other general economic, political and market factors in North America and internationally.

The reader is cautioned that the foregoing list of assumptions and factors is not exhaustive, and there may be other factors listed in other filings with securities regulators, including factors set out in the Company's 2022 Annual MD&A under "Risk Management and Control Practices" and "Summary of Critical Accounting Estimates" and in the Company's annual information form dated February 8, 2023 under "Risk Factors", which, along with other filings, is available for review at www.sedar.com. The reader is also cautioned to consider these and other factors, uncertainties and potential events carefully and not to place undue reliance on forward-looking information.

Other than as specifically required by applicable law, the Company does not intend to update any forward-looking information whether as a result of new information, future events or otherwise.

#### **Important Note Regarding Sustainability Disclosure**

Certain forward-looking statements in this report relate to the Company's climate-related and diversity-related measures, objectives, priorities, strategies and commitments or actions that will be taken to achieve them. The climate-related statements include statements with respect to reducing the Company's greenhouse gas (GHG) emissions related to its own activities and energy consumption and achieving net-zero GHG emissions for its operating and financing activities by 2050, the causes and potential impacts of climate change globally, and the Company's approach to identifying and managing climate-related risks and opportunities. The diversity-related statements include statements with respect to growing representation of women and underrepresented minorities in management. The forward-looking climate-related and diversity-related information in this report is presented for the purpose of assisting our stakeholders in understanding how we intend to address climate-related governance, strategy, risks, opportunities, and objectives, and may not be appropriate for other purposes.

Any commitments, goals or targets discussed in this report, including but not limited to the Company's net-zero related commitments and diversity-related measures, are aspirational and may need to be changed or recalibrated as data improve and as climate science, regulatory requirements and market practices regarding standards, methodologies, metrics and measurements evolve. Our climate risk analysis and net-zero strategy remain under development, and the data underlying our analysis and strategy remain subject to evolution over time. We are also continuing to develop our diversity-related data. There is a strong possibility that our expectations, forecasts, estimates, predictions and conclusions may not prove to be accurate and our assumptions may prove to be incorrect, and there is a material risk we will not achieve our climate-related and diversity-related objectives, priorities, strategies and commitments. In addition, many of the assumptions, standards, metrics and measurements used in preparing these forward-looking statements are not audited or independently verified, have limited comparability and continue to evolve.

There are limitations and uncertainties inherent in climate science, climate risk analysis and reporting. There are many factors that are the subject of ongoing climate science and that we cannot foresee or accurately predict, which will impact the Company's ability to achieve its climate-related objectives, priorities, strategies and commitments. There are also many factors which will impact the Company's ability to achieve its diversity-related objectives, priorities, strategies and commitments. These factors include, without limitation, the transition to a low-carbon economy, the need for more and better climate data and standardization of climate-related measurement methodologies, our ability to gather and verify data, our ability to develop indicators to effectively monitor our advancements and assess and manage climate-related risks, the need for active and continued action by stakeholders (including governmental and non-governmental organizations, our counterparties and other businesses and individuals), compliance with our policies and procedures, our ability to recruit and retain key personnel in a competitive environment for talent, technological advancements, the evolution of consumer behaviour, varying decarbonization efforts across economies, the challenges of balancing emission reduction objectives with an orderly, just and inclusive transition and geopolitical factors that impact global energy needs, the legal and regulatory environment, and regulatory compliance considerations.

#### **Cautionary Note Regarding Non-GAAP Financial Measures and Ratios**

This report contains some non-Generally Accepted Accounting Principles (GAAP) financial measures and non-GAAP ratios as defined in National Instrument 52-112 "Non-GAAP and Other Financial Measures Disclosure". Terms by which non-GAAP financial measures are identified include, but are not limited to, "base earnings (loss)", "base earnings (loss)", "core net earnings (loss)", "premiums and deposits", "assets under management" and "assets under administration". Terms by which non-GAAP ratios are identified include, but are not limited to, "base earnings per common share (EPS)", "base return on equity (ROE)", "base dividend payout ratio" and "effective income tax rate — base earnings — common shareholders ". Non-GAAP financial measures and ratios are used to provide management and investors with additional measures of performance to help assess results where no comparable GAAP (IFRS) measure exists. However, non-GAAP financial measures and ratios do not have standard meanings prescribed by GAAP (IFRS) and are not directly comparable to similar measures used by other companies. Refer to the "Non-GAAP Financial Measures and Ratios" section in this MD&A for the appropriate reconciliations of these non-GAAP financial measures to measures prescribed by GAAP as well as additional details on each measure and ratio.

#### **Consolidated Operating Results**

#### Selected consolidated financial information

		As at o	r for th	e three mont	For the twelve months ended					
(in Canadian \$ millions, except for per share amounts)	Dec. 31 2022			Sept. 30 2022		Dec. 31 2021	ı	Dec. 31 2022		Dec. 31 2021
		2022		2022		2021	2022			
Earnings		000		500		025		2 24 2		2.260
Base earnings <sup>1</sup>	\$	892	\$	688	\$	825	\$	3,219	\$	3,260
Net earnings – common shareholders		1,026		688		765		3,219		3,128
Per common share										
Basic:										
Base earnings <sup>2</sup>		0.957		0.738		0.887		3.455		3.507
Net earnings		1.101		0.738		0.822		3.455		3.365
Diluted net earnings		1.100		0.738		0.820		3.452		3.360
Dividends paid		0.490		0.490		0.490		1.960		1.804
Book value <sup>3</sup>		26.60		25.61		24.71				
Base return on equity <sup>2</sup>		13.6%		13.5%		14.6%				
Return on equity <sup>3</sup>		13.6%		12.7%		14.0%				
Total net premiums	\$	8,544	\$	13,921	\$	12,989	\$	52,821	\$	52,813
Total premiums and deposits <sup>1</sup>	7	44,165	,	44,265	_	47,654		174,179	-	168,803
Fee and other income		1,979		1,897		1,885		7,598		7,294
Net policyholder benefits, dividends and experience refunds		16,193		14,162		12,241		58,132		47,252
Total assets per financial statements	\$	701,455	¢	672,764	¢	630,488				
Total assets under management 1	-	1,033,189	Ą	991,905		,007,643				
Total assets under administration 1,4		2,497,712	ว	,384,273		,007,043 2,291,592				
Total equity	\$	32,318	\$	31,361	\$	30,483				
iotal equity	Þ	32,310	Þ	31,301	Þ	30,403				
The Canada Life Assurance Company consolidated LICAT Ratio 5		120%		118%		124%				

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>2</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

 $<sup>3\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

<sup>4 2021</sup> comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration in the Canada segment.

<sup>5</sup> The Life Insurance Capital Adequacy Test (LICAT) Ratio is based on the consolidated results of The Canada Life Assurance Company (Canada Life), Lifeco's major Canadian operating subsidiary.

The LICAT Ratio is calculated in accordance with the Office of Superintendent of Financial Institutions' Guideline - Life Insurance Capital Adequacy Test. Refer to the "Capital Management and Adequacy" section of this document for additional details.

#### **Lifeco 2022 Highlights**

#### **Financial Performance**

- For the twelve months ended December 31, 2022, base earnings per common share were \$3.455 compared to \$3.507 a year ago, reflecting the Company's strong performance, against a backdrop of market volatility and elevated inflation, supported by a diversified business portfolio and operational discipline. 2022 base earnings included a net provision for estimated claims resulting from the impact of Hurricane Ian of \$128 million after-tax in the Capital and Risk Solutions segment. The third quarter of 2021 also included a provision for major weather events for \$61 million. For the twelve months ended December 31, 2022, base earnings of \$3,219 million were down \$41 million or 1% compared to 2021 base earnings of \$3,260 million.
- For the twelve months ended December 31, 2022, net earnings per common share were \$3.455, compared to \$3.365 for the previous year, an increase of 3%. In 2022, in addition to base earnings, Lifeco's net earnings included transaction, restructuring and integration costs of \$180 million compared to \$255 million in 2021, primarily related to recent acquisitions in the United States and Europe segments. 2022 net earnings also included a net positive \$84 million impact from tax legislative changes in the Canada segment compared to a net negative impact of \$21 million in the Europe segment in 2021. These items were partially offset by market-related impacts on liabilities of negative \$33 million compared to positive \$24 million in 2021.
- The Company maintained its strong capital position as evidenced by a Life Insurance Capital Adequacy Test (LICAT) Ratio at December 31, 2022 of 120% for Canada Life, Lifeco's major operating subsidiary, which exceeded the OSFI Supervisory Target Total Ratio of 100%, and Supervisory Minimum Total Ratio of 90%.
- For the twelve months ended December 31, 2022, Lifeco's combined quarterly dividends paid to common shareholders increased by 8.6% to \$1.960 per share.
- The Company's financial leverage ratio at December 31, 2022 was 34.4% compared to 33.2% in the previous year. The increase was primarily due to a temporary increase in short-term debt to fund the acquisition of the retirement services business of Prudential and the issuance of a €500 million senior 4.70% euro bond on November 16, 2022. The Company currently expects to redeem the €500 million senior 2.50% euro bond at maturity on April 18, 2023, which would reduce pro forma leverage at December 31, 2022 by 1.1%.

#### **Medium-Term Financial Objectives**

The Company introduced medium-term financial objectives in 2021, with medium-term defined as 3 to 5 years. The Company aims to create value through disciplined capital deployment to achieve, over the medium-term, 8-10% base EPS growth per annum, 14-15% base return on equity (ROE) and to deliver strong cash generation.

	1-Year	5-Year
Medium-Term Financial Objectives	Base 1	Base 1
8-10% base EPS growth per annum <sup>1</sup>	(1.5)%	8.8% CAGR <sup>2</sup>
14-15% base ROE <sup>1</sup>	13.6%	13.1% average
Target dividend payout ratio 45-55% of base earnings <sup>1</sup>	56.7%	58.3% average
Net Financial Highlights	Net	Net
Net EPS growth per annum	2.7%	9.7% CAGR
Net ROE	13.6%	13.5% average
Dividend payout ratio <sup>3</sup>	56.7%	56.7% average

<sup>1</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details. Upon adoption of the IFRS 17, Insurance Contracts accounting standard effective January 1, 2023, the Company will increase the target range for its base ROE objective to 16-17% reflecting changes to shareholders' equity on transition.

3 Refer to the "Glossary" section of this document for additional details on the composition of this measure.

<sup>2 2017</sup> base earnings were calculated by excluding items from net earnings as discussed in the "Non-GAAP Financial Measures and Ratios" section of this document. In addition, the Company excluded earnings related to the business transferred to Protective Life under an indemnity reinsurance agreement in 2019 to provide a more accurate comparison for the 5-year growth rate. 2017 base earnings were \$2,244 million and base earnings per share was \$2.269 compared to net earnings of \$2,149 million and net earnings per share of \$2.173. Items excluded from 2017 base earnings included a positive impact on actuarial assumption changes and management actions of \$243 million, a negative impact on market-related impacts on liabilities of \$3 million, restructuring and integration costs of \$160 million, a net charge on business disposition of \$122 million, a net charge on tax legislative impacts of \$216 million and \$163 million of earnings related to the business transferred to Protective Life in 2019.

#### **2022 Developments**

#### **Strategic Highlights and Transactions**

The Company announced the following strategic business transactions in the U.S., Canada and Ireland to add scale, grow and extend their businesses.

#### **United States**

On April 1, 2022, a Lifeco subsidiary, Empower Annuity Insurance Company of America (formerly Great-West Life & Annuity Insurance Company), which operates primarily as "Empower", completed the acquisition of the full-service retirement services business of Prudential Financial, Inc. (Prudential). With the completion of the acquisition, Empower's reach in the U.S. has expanded to approximately 81,000 workplace savings plans as of December 31, 2022.

The Company funded the total transaction value of US\$3,480 million with US\$1,193 million of limited recourse capital notes and US\$823 million of short-term debt, in addition to existing resources.

Empower anticipates realizing cost synergies through the migration of Prudential's retirement services business onto Empower's recordkeeping platform. Estimated run-rate cost synergies of US\$180 million are expected to be phased in over 24 months primarily when systems migrations are completed. As of December 31, 2022, US\$43 million of pre-tax run rate cost synergies have been achieved. Revenue synergies of US\$20 million are expected on a run-rate basis by the end of 2024 and are expected to grow to US\$50 million by 2026.

The Company completed the integration of Massachusetts Mutual Life Insurance Company's retirement business (MassMutual) as of December 31, 2022, and has achieved US\$160 million of final pre-tax run rate cost synergies in line with original expectations. In the fourth quarter of 2022 pre-tax run rate cost synergies increased US\$59 million pre-tax compared to US\$101 million pre-tax as of September 30, 2022. Empower is on track to achieve run rate revenue synergies of US\$30 million pre-tax in 2024 and revenue synergies are expected to continue to grow beyond 2024.

In July 2022, Empower initiated a new brand identity, with the name "Empower" replacing "Empower Retirement", capturing the essence of the company's mission: to increase people's financial confidence and successfully achieve short and long-term financial wellness goals on their path to retirement. The change also simplifies customer connections and better represents the company's expansion into financial wellness. The Company believes the new public-facing brand name will help to continue to drive business growth as it more accurately reflects its broadening stature and rapid growth.

#### Canada

On April 4, 2022, Canada Life and ClaimSecure Inc. (ClaimSecure) launched SecurePak, a bundled offering of Canada Life's insurance benefits and ClaimSecure's health and dental claims adjudication services. SecurePak offers plan sponsors the advantage of modernized claims processing through ClaimSecure and the security of Canada Life's pooled products for plans in the small-case market with 25 to 200 plan members.

On October 1, 2022, Plan Member as Customers was rebranded as Freedom Experience. The Company is leveraging this brand by renaming several direct-to-consumer products distributed by Group Customer with the Freedom Experience brand. A dedicated team will be focused on distributing these products and bringing the Freedom Experience to Canadians.

#### Europe

In Q4 2022, Irish Life completed the portfolio transfer of Ark Life Assurance Company dac (Ark Life), which was integrated into Irish Life's Retail division effective October 1, 2022. This follows the purchase of Ark Life on November 1, 2021 by Irish Life Group Limited. During the fourth quarter of 2022, Ark Life changed its legal name to Irish Life Ark Dublin dac.

#### **Capital Transactions**

On November 16, 2022, the Company completed the offering of €500 million senior 4.70% euro bonds maturing on November 16, 2029. Net proceeds of the transaction are being used for general corporate purposes.

On March 30, 2022, Great-West Lifeco U.S. LLC, a subsidiary of the Company, established a 2-year US\$500 million non-revolving credit facility with interest on the drawn balance equal to a float rate based on the Adjusted Term Secured Overnight Financing Rate (SOFR). The facility is fully and unconditionally guaranteed by the Company. The \$645 million (US\$500 million) facility was fully drawn, along with \$416 million (US\$323 million) from an existing revolving credit facility to finance a portion of the Prudential retirement service business acquisition on the acquisition date.

On July 1, 2022, Great-West Lifeco U.S. LLC made an initial payment of US\$150 million on its existing revolving credit facility, followed by a final payment of US\$173 million on December 30, 2022. As at December 31, 2022, the \$675 million (US\$500 million) facility remained fully drawn and the existing revolving credit facility balance was nil.

#### Macroenvironmental Risks

While governments in different regions have now moved to ease COVID-19 pandemic restrictions, many factors continue to extend economic uncertainty. Global financial markets continue to be volatile, in part due to Russia's military invasion of Ukraine and the related sanctions. This volatility has contributed to global supply chain disruptions and in turn, elevated levels of inflation, prompting central banks to raise interest rates in response in many of the countries in which the Company operates.

The outlook for financial and real estate markets over the short and medium-term remains highly uncertain and the Company actively monitors events and information globally. To date, net impacts have been modest, reflecting the Company's diversified business and portfolio investments. The Company continues to manage risks of changes to mortality and longevity rates as well as to monitor financial market conditions and heightened cyber and global supply chain risks which could negatively affect the Company's financial outlook, results and operations.

The Company's well-diversified businesses, combined with business strength, resilience and experience managing through market volatility, puts the Company in a strong position in the current environment to leverage opportunities for the future. Lifeco's strategies are resilient and flexible, positioning the Company to navigate current market conditions and continue to identify and pursue opportunities, including organic growth and acquisition activities, while supporting customers and employees in an evolving environment.

#### **Update on Transition to IFRS 17 and IFRS 9**

As noted in the "Accounting Policies" section of this document, IFRS 17, Insurance Contracts (IFRS 17) has replaced IFRS 4, Insurance Contracts (IFRS 4) effective January 1, 2023. While the new standard will change the recognition and measurement of insurance contracts and the corresponding presentation and disclosures in the Company's financial statements, it is not expected to have a material financial impact or to change the Company's underlying business strategy. IFRS 9, Financial Instruments (IFRS 9) has replaced IAS 39, Financial Instruments: Recognition and Measurement effective January 1, 2023, and is not expected to lead to a material change in the level of invested assets. Upon adoption of IFRS 17 and IFRS 9, the Company expects an increase in net earnings volatility.

The Company will report under the new standards for the first time for the quarter ended March 31, 2023. The Company continues to evaluate the impact of the adoption of these standards. Based on analysis to date, the expected impacts of the adoption of IFRS 17 include:

- Businesses now representing approximately 65% of base earnings 1.2 are expected to experience limited or no impact;
- The January 1, 2022 shareholders' equity is expected to decrease by approximately 12% on the adoption of IFRS 17 on January 1, 2023 in line with original expectations, primarily due to the establishment of the contractual service margin (CSM), partially offset by the removal of provisions no longer required under IFRS 17;
- The CSM established for in-force contracts as at January 1, 2022 was \$6.3 billion associated with the shareholders' account and \$2.3 billion associated with the participating account. This does not include the CSM on in-force segregated fund business which does not have a material impact on capital or opening equity;
- Low-single digit percentage decrease in proforma base earnings <sup>1,2</sup> is expected as a result of transition with no material change to base earnings trajectory; however, increased volatility in net earnings is expected driven by the de-linking of asset and liability measurement. Actual differences between IFRS 4 and IFRS 17 results in any given period will vary depending on the composition of earnings drivers;
- Medium-term financial objectives for base EPS³ growth and base dividend payout ratio³ remain unchanged;
- Medium-term financial objective for base ROE3 is increased by 2% to 16-17% reflecting the change in shareholders' equity; and
- Financial strength will be maintained and a positive impact of approximately 10 points to the March 31, 2023 Canada Life consolidated LICAT Ratio is expected 4 based on the 2023 LICAT Guideline and current market and economic conditions.

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>2</sup> Proforma base and net earnings are calculated based on the expected 2023 earnings mix and composition as at the start of 2023, including the reflection of insurance contract earnings on an IFRS 17 basis and adjusted to reflect fully synergized earnings from the acquisitions of MassMuttual's and Prudential's retirement services businesses. Many of these estimates and assumptions are based on factors and events that are not within the control of the Company's management and there is no assurance that they will prove to be correct. Refer to "Cautionary Note regarding Forward-looking Information" and "Cautionary Note regarding Non-GAAP Financial Measures" at the beginning of this document.

<sup>3</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>4</sup> Actual impact will depend on market and economic conditions and the Company's operating results at the time of transition

#### Outlook for 2023

Refer to Cautionary Note regarding Forward-looking Information and Cautionary Note regarding Non-GAAP Financial Measures and Ratios at the beginning of this document.

In 2022, Lifeco's solid results, despite challenging market conditions, reflected the resilience of its diversified business portfolio and focus on operational efficiency. In 2023, Lifeco will continue to center its efforts on managing current challenges and adapting to an uncertain environment. Focused on the customer and leveraging its risk and investment expertise, Lifeco will continue to make disciplined choices consistent with its four value-creation priorities to drive growth across its business portfolio. The priorities represent areas of strength where the Company is committed to investing to create shareholder value:

- Continue to scale and leverage millions of customer relationships to capture value through advice-based wealth and insurance solutions;
- · Deliver efficient and effective advice, solutions and service for customers through multiple digitally-enabled channels;
- · Extend workplace participant relationships into lifetime customer relationships through hybrid advice, solutions and services; and
- · Leverage risk and investment expertise to enable and augment wealth and insurance solutions.

The Company intends to invest strategically, both organically and through acquisitions, to drive growth and productivity, while maintaining strong risk and expense discipline, to deliver sustainable long-term value to its customers and shareholders.

With the acquisitions announced and completed in 2021 and 2022, the Company will continue to focus on completing and integrating acquisitions to enhance the customer experience and realize target synergies to maximize contributions to earnings in 2023.

In 2023, the Company will continue to expand its analytical capabilities following the successful implementation of accounting changes related to IFRS 17 and IFRS 9, which are effective on January 1, 2023.

In Canada, the Company will continue to leverage the strength of the Canada Life brand to develop innovative products and services, broaden and deepen its distribution channels and ultimately, better serve its customers. Specifically, in its Individual Customer business, Canada Life will continue to advance on its strong advisor value proposition across all channels with a comprehensive range of individual insurance and individual wealth management products, ensuring the best tools and strategies are in place to drive long-term financial security for its customers. In its Group Customer business, Canada Life will continue to invest in new digital capabilities and innovative benefits solutions, driving enhanced personalization and insights for its clients and their plan members, while improving efficiency and customer service. Group Customer plans to capitalize on its recent acquisition of ClaimSecure and leverage newly acquired capabilities to offer an enhanced product shelf as well as grow in the third party administrator business segment. Operational resiliency and disciplined expense management across Canada Life's diversified portfolio of products and services will also be key to delivering strong financial results in 2023 in Canada.

In the U.S., Empower expects continued investments in improving customer web experiences, including adding innovative capabilities and ease of service products with the aim of increasing customer retention and ultimately increasing participant retirement savings by helping customers better understand their current financial needs through financial advice and goal setting. Empower also expects continued growth in retail by leveraging the capabilities of Personal Capital to deliver hybrid digital advice and wealth management solutions to drive increased retail penetration. Similar to the recent Personal Capital and MassMutual business acquisitions, additional cost synergies related to Prudential are anticipated to be realized throughout 2023 and the first half of 2024 as the migration of Prudential's retirement services business onto Empower's recordkeeping platform continues. Putnam is focused on innovative product and service offerings to drive strong investment performance and enhanced brand recognition while managing firm-wide expenses, as it seeks to further build a scalable and profitable asset management franchise.

In the United Kingdom (U.K.), the Company is focusing on the growing retirement market by developing solutions for individuals who require additional pension flexibility and further develop its presence in the bulk annuity market. In Ireland, the focus will be on strengthening positions in the wealth and employee benefits consulting markets following recent acquisitions in 2020 and 2021 and leveraging technology to enhance the customer experience. In Germany, the Company plans to grow its assets under management and market share through the continued investment and innovation in product development, service enhancement and distribution.

In Capital and Risk Solutions, the Reinsurance business unit will continue to support its clients in existing markets and explore opportunities in new geographies where the Company's innovative reinsurance solutions can be deployed to support clients' evolving needs.

#### **Base and Net Earnings**

Consolidated base earnings and net earnings of Lifeco include the base earnings and net earnings of Canada Life (and its operating subsidiaries), Empower and Putnam, together with Lifeco's Corporate operating results.

#### Base earnings 1 and net earnings - common shareholders

		For	For the twelve months ended					
	- 1	Dec. 31 2022	ept. 30 2022	ec. 31 2021	Dec. 31 2022		1	Dec. 31 2021
Base earnings (loss) 1								
Canada	\$	295	\$ 283	\$ 317	\$	1,146	\$	1,220
United States		185	204	156		652		671
Europe		239	200	213		892		830
Capital and Risk Solutions		187	1	145		532		547
Lifeco Corporate		(14)	-	(6)		(3)		(8)
Lifeco base earnings <sup>1</sup>	\$	892	\$ 688	\$ 825	\$	3,219	\$	3,260
Items excluded from base earnings								
Actuarial assumption changes and other management actions 2	\$	49	\$ 68	\$ 23	\$	129	\$	134
Market-related impacts on liabilities 2		38	(45)	20		(33)		24
Transaction costs related to acquisitions <sup>3</sup>		(5)	20	(74)		(49)		(189)
Restructuring and integration costs		(32)	(43)	(15)		(131)		(66)
Tax legislative changes impact		84	_	_		84		(21)
Net gain/charge on business dispositions 4		-	-	(14)		_		(14)
Items excluded from Lifeco base earnings	\$	134	\$ _	\$ (60)	\$	-	\$	(132)
Net earnings (loss) – common shareholders								
Canada	\$	380	\$ 160	\$ 307	\$	1,116	\$	1,187
United States		162	164	92		460		499
Europe		287	249	239		984		976
Capital and Risk Solutions		211	115	133		662		532
Lifeco Corporate		(14)	_	(6)		(3)		(66)
Lifeco net earnings – common shareholders	\$	1,026	\$ 688	\$ 765	\$	3,219	\$	3,128

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

The information in the table above is a summary of results for base and net earnings of the Company. Additional commentary regarding base and net earnings is included in the "Segmented Operating Results" section.

#### **Base earnings**

Base earnings for the fourth quarter of 2022 of \$892 million (\$0.957 per common share) increased by \$67 million or 8% from \$825 million (\$0.887 per common share) a year ago. The increase was primarily due to strong new business growth and favourable longevity and improved claims experience on the U.S. life business in the Capital and Risk Solutions segment, Prudential related base earnings of \$64 million (US\$47 million) as well as favourable investment and longevity experience in the Europe segment. The increase was partially offset by lower fee income driven by lower assets as well as less favourable mortality and investment experience in the Canada segment.

For the twelve months ended December 31, 2022, Lifeco's base earnings were \$3,219 million (\$3.455 per common share) compared to \$3,260 million (\$3.507 per common share) a year ago. The decrease was primarily due to lower fee income driven by lower assets, negative currency movement impacts, less favourable mortality, morbidity and investment experience in the Canada segment and the net provision for estimated claims resulting from the impact of Hurricane Ian of \$128 million after-tax in the Capital and Risk Solutions segment. These items were partially offset by changes in certain tax estimates and higher earnings on surplus in the Canada segment, favourable investment and mortality experience in the Europe segment and base earnings related to the Prudential acquisition in the U.S. segment.

<sup>2</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

<sup>3</sup> The transaction costs relate to acquisitions in the U.S. segment (the full-service retirement business of Prudential, Personal Capital and the retirement services business of MassMutual) as well as acquisitions in the Europe segment. In addition, the twelve months ended December 31, 2021 included a provision for payments relating to the Company's acquisition of Canada Life.

<sup>4</sup> For the three and twelve months ended December 31, 2021, net gain/charge on business dispositions includes a \$14 million net charge on business disposition in the Europe Corporate business unit.

#### **Net earnings**

Lifeco's net earnings for the three month period ended December 31, 2022 of \$1,026 million (\$1.101 per common share) increased by \$261 million or 34% compared to \$765 million (\$0.822 per common share) a year ago. The increase was primarily due to an increase in base earnings as well as more favourable market-related impacts on liabilities and actuarial assumption changes. In addition, the Company had a net favourable impact of revaluation of net deferred tax assets and actuarial liabilities resulting from an increase to the Canadian federal corporation tax rate substantively enacted during the fourth quarter of 2022. These items were partially offset by higher restructuring and integration costs in the U.S. segment.

For the twelve months ended December 31, 2022, Lifeco's net earnings were \$3,219 million (\$3.455 per common share) compared to \$3,128 million (\$3.365 per common share) a year ago. The 3% increase was primarily due to lower Personal Capital transaction costs as well as the net favourable impact of revaluation of net deferred tax assets and actuarial liabilities discussed for the in-quarter results. The increase was partially offset by lower base earnings, negative currency movement impacts as well as unfavourable market-related impacts on liabilities driven by property cash flows in the Europe segment as well as market volatility resulting in hedge ineffectiveness.

Lifeco's net earnings for the three month period ended December 31, 2022 of \$1,026 million (\$1.101 per common share) increased by \$338 million or 49% compared to \$688 million (\$0.738 per common share) in the previous quarter. Net earnings for the third quarter of 2022 included a net provision for estimated claims resulting from the impact of Hurricane Ian of \$128 million after-tax in the Capital and Risk Solutions segment. The increase also reflects new business growth in the Capital and Risk Solutions segment, changes in certain tax estimates in the Canada segment as well as favourable market-related impacts on liabilities.

#### **Actuarial Assumption Changes and Other Management Actions**

The impact of actuarial assumption changes resulting from an increase to the Canadian statutory income tax rate is reported under 'Tax legislative changes impact' within items excluded from base earnings.

For the three months ended December 31, 2022, other actuarial assumption changes and other management actions resulted in a positive net earnings impact of \$49 million. This compares to a positive impact of \$23 million for the same quarter last year and a positive impact of \$68 million for the previous quarter.

In the Europe segment, net earnings were positively impacted by \$37 million, primarily due to management actions including the completion of the Ark Life acquisition and integration in Ireland. In the Capital and Risk Solutions segment, net earnings were positively impacted by \$10 million, primarily due to updated annuitant mortality assumptions, partially offset by updated expense assumptions. In the Canada segment, there were no material updates other than the changes related to the Canadian tax rate.

For the twelve months ended December 31, 2022, other actuarial assumption changes and management actions resulted in a positive net earnings impact of \$129 million, compared to positive \$134 million for the same period in 2021.

In the Capital and Risk Solutions segment, net earnings were positively impacted by \$129 million for the twelve months ended December 31, 2022, primarily due to updated annuitant mortality assumptions, partly offset by updated life mortality and expense assumptions. In the Europe segment, net earnings were positively impacted by \$117 million, primarily due to updated annuitant mortality assumptions and management actions including the completion of the Ark Life acquisition and integration in Ireland. In the Canada segment, net earnings were negatively impacted by \$117 million, primarily due to updated policyholder behaviour assumptions, partially offset by updated life mortality assumptions and model refinements.

#### **Market-Related Impacts**

In the regions where the Company operates, average equity market indices for the three months ended December 31, 2022 were down by 16% in the U.S. (as measured by S&P 500), 11% in broader Europe (as measured by EURO STOXX 50), 7% in Canada (as measured by S&P TSX) and consistent in the U.K. (as measured by FTSE 100) compared to the same period in 2021. The major equity indices finished the fourth quarter of 2022 up 14% in broader Europe, 8% in the U.K., 7% in the U.S. and 5% in Canada compared to September 30, 2022. For the twelve months ended December 31, 2022, average equity market levels were lower in the U.S., broader Europe, Canada and remained consistent in the U.K. compared to the same period in 2021.

Market-related impacts on liabilities positively impacted net earnings by \$38 million in the fourth quarter of 2022 (positive impact of \$20 million in the fourth quarter of 2021), primarily reflecting the impact of equity markets and interest rate movements on the value of segregated fund and variable annuity guarantees, including hedge ineffectiveness, partially offset by the impact of updated cash flow projections for real estate which support insurance contract liabilities in the Europe segment.

For the twelve months ended December 31, 2022, market-related impacts on liabilities negatively impacted net earnings by \$33 million (positive impact of \$24 million in 2021). The 2022 year-to-date negative impact was primarily due to the negative impact of equity markets and interest rate movements on the value of segregated fund and variable annuity guarantees, including hedge ineffectiveness.

In countries where the Company operates, interest rates increased during 2022, resulting in a modest positive impact on net earnings reflecting higher income on surplus assets, partially offset by lower fees on fixed income products. In order to mitigate the Company's exposure to interest rate fluctuations, the Company follows disciplined processes for matching asset and liability cash flows. As a result, the impact of changing interest rates is mostly mitigated in the current period, with the impact of changes in fair values of bonds backing insurance contract liabilities mostly offset by a corresponding change in the insurance contract liabilities.

For a further description of the Company's sensitivity to equity market and interest rate fluctuations, including expanded sensitivity disclosure as a result of current market conditions, refer to "Financial Instruments Risk Management", note 8 to the Company's December 31, 2022 annual consolidated financial statements.

#### **Foreign Currency**

The average currency translation rate for the fourth quarter of 2022 increased for the U.S. dollar and decreased for the British pound and the euro compared to the fourth quarter of 2021. The overall impact of currency movement on the Company's net earnings for the three months ended December 31, 2022 was a decrease of \$4 million (decrease of \$95 million year-to-date) compared to translation rates a year ago.

From September 30, 2022 to December 31, 2022, the market rates at the end of the reporting period used to translate the U.S. dollar assets and liabilities to the Canadian dollar decreased, while the euro and British pound increased. The movements in end-of-period exchange rates impact the translation of foreign operations, including related hedge activities, resulting in post-tax unrealized foreign exchange gains of \$183 million in-quarter (\$613 million net unrealized gains year-to-date) recorded in other comprehensive income.

Translation rates for the reporting period and comparative periods are detailed in the "Translation of Foreign Currency" section.

#### **Credit Markets**

#### Credit markets impact on common shareholders' net earnings (after-tax)

	(cha	nirment orges) / overies	prov	ges in sions uture losses <sup>1</sup>	ī	otal	(cha	irment rges) / veries	prov for t	iges in visions future losses 1	To	otal	
	For	the three r	nonths er	ided Dece	mber 31	, 2022	For the twelve months ended December 31, 2022						
Canada	\$	(1)	\$	1	\$	_	\$	(1)	\$	2	\$	1	
United States		(11)		-		(11)		(12)		11		(1)	
Europe		(2)		2		-		(5)		-		(5)	
Capital and Risk Solutions		-		_		-		-		(1)		(1)	
Total	\$	(14)	\$	3	\$	(11)	\$	(18)	\$	12	\$	(6)	
	F	or the three	months er	ided Decen	nber 31, 2	1021	Fo	r the twelve	months e	ended Decer	mber 31, 2	2021	
Total	\$	(2)	\$	3	\$	1	\$	(14)	\$	(6)	\$	(20)	

<sup>1</sup> Impact of changes in credit ratings in the Company's fixed income portfolio on provisions for future credit losses in insurance contract liabilities.

In the fourth quarter of 2022, the Company experienced net charges on impaired investments, including dispositions, which negatively impacted common shareholders' net earnings by \$14 million (\$2 million net negative impact in the fourth quarter of 2021), primarily due to charges on impaired commercial mortgages. Net charges on impaired investments reflect net allowances for credit losses included in net investment income and the associated release of actuarial provisions for future credit losses, as applicable. Separately, related to non-impaired invested assets, changes in credit ratings in the Company's fixed income portfolio resulted in a net decrease in provisions for future credit losses in insurance contract liabilities, which positively impacted common shareholders' net earnings by \$3 million (\$3 million positive impact in the fourth quarter of 2021), primarily due to upgrades of certain corporate bond and commercial mortgage holdings.

For the twelve months ended December 31, 2022, the Company experienced net charges on impaired investments, including dispositions, which negatively impacted common shareholders' net earnings by \$18 million (\$14 million net negative impact in 2021), primarily due to the same reasons discussed for the in-quarter results. Separately, related to non-impaired invested assets, changes in credit ratings in the Company's fixed income portfolio resulted in a net decrease in provisions for future credit losses in insurance contract liabilities, which positively impacted common shareholders' net earnings by \$12 million year-to-date (\$6 million net negative impact in 2021), primarily due to the same reasons discussed for the in-quarter results.

There could be negative impacts from downgrades in future periods resulting from certain economies that are materially affected by inflationary pressures or geopolitical tensions.

#### **Income Taxes**

The Company's effective income tax rate on earnings attributable to common shareholders and total Lifeco earnings are presented below.

#### Effective income tax rate

	For	the three months end	led	For the twelve n	months ended	
	Dec. 31 2022	Sept. 30 2022	Dec. 31 2021	Dec. 31 2022	Dec. 31 2021	
Base earnings – Common shareholders <sup>1</sup>	11.6%	6.4%	9.4%	9.6%	9.5%	
Net earnings – Common shareholders	7.7%	(3.3)%	9.8%	5.9%	9.9%	
Net earnings – Total Lifeco	9.9%	1.5%	3.8%	6.2%	7.9%	

<sup>1</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

The Company's effective income tax rates are generally lower than the statutory income tax rate of 27.5% due to benefits related to non-taxable investment income and lower income tax in certain foreign jurisdictions.

A Canadian federal corporate income tax rate change, enacted in 2022 (effective after April 7, 2022), increased the statutory income tax rate from 26.5% to 28.0% (prorated to 27.5% in 2022).

In the fourth quarter of 2022, the effective income tax rate on base earnings for the common shareholders of 11.6% was up from 9.4% in the fourth quarter of 2021, primarily due to changes in certain tax estimates. In the fourth quarter of 2022, the effective income tax rate on net earnings for the common shareholders of 7.7% was down from 9.8% in the fourth quarter of 2021, primarily due to the revaluation of a net deferred tax asset resulting from the increase to the Canadian statutory income tax rate as well as jurisdictional mix of earnings. These items were partially offset by changes in certain tax estimates.

In the fourth quarter of 2022, the overall effective income tax rate on net earnings of 9.9%, was up from 3.8% in the fourth quarter of 2021, primarily due to changes in certain tax estimates as well as the revaluation of a net deferred tax liability resulting from the increase to the Canadian statutory income tax rate.

The Company had an effective income tax rate on base earnings for the common shareholders of 9.6% for the twelve months ended December 31, 2022, which was comparable to 9.5% for the same period last year. The Company had an effective income tax rate on net earnings for the common shareholders of 5.9%, down from 9.9% for the same period last year, primarily due to the revaluation of a net deferred tax asset resulting from the increase to the Canadian statutory income tax rate, as well as jurisdictional mix of earnings.

The Company had an overall effective income tax rate on net earnings of 6.2% for the twelve months ended December 31, 2022, down from 7.9% for the same period last year, primarily due to jurisdictional mix of earnings and changes in certain tax estimates.

Refer to note 26 to the Company's December 31, 2022 annual consolidated financial statements for further details.

In December 2021, the Organization for Economic Co-operation and Development (OECD) published model rules outlining a structure for a new global minimum tax regime to be implemented by all participating countries at an agreed future date, currently expected to be 2024. Detailed commentary on the rules was released by the OECD during 2022. The Canadian government confirmed its commitment to implement the global minimum tax, with implementation, including timing, to be coordinated with international partners. Canadian legislation is expected in 2023. In December 2022, the European Union adopted a directive that member countries must enact the 15% minimum tax into their national laws by end of 2023. The U.K. plans to implement the minimum tax effective for 2024. At this point, the countries where the Company currently operates have all indicated their participation; however, none have implemented legislation. A number of these countries currently operate at a lower tax rate than the proposed minimum, and when legislation is enacted the Company expects an increase in the effective income tax rate. The Company is awaiting the legislation and detailed guidance to assess the full implications in the jurisdictions in which the Company operates.

The U.S. Inflation Reduction Act of 2022, signed into law in August 2022 and effective January 1, 2023, introduced a 15% corporate alternative minimum tax on financial statement income. While it is expected that this tax will advance cash tax payments, the Company does not expect there will be any impact on its overall effective income tax rate.

#### **Total Net Premiums, Premiums and Deposits and Sales**

		For	the thr	ee months e	nded		For the twelve months ended				
	Dec. 31 2022				Dec. 31 2021		Dec. 31 2022			Dec. 31 2021	
Total net premiums											
Canada	\$	4,582	\$	3,597	\$	4,114	\$	15,103	\$	13,900	
United States <sup>1</sup>		(5,515)		2,327		611		2,025		4,518	
Europe		1,025		786		1,042		3,962		4,862	
Capital and Risk Solutions		8,452		7,211		7,222		31,731		29,533	
Total net premiums	\$	8,544	\$	13,921	\$	12,989	\$	52,821	\$	52,813	
Premiums and deposits <sup>2</sup>											
Canada	\$	8,212	\$	7,136	\$	7,918	\$	30,727	\$	29,357	
United States		20,249		22,957		24,932		82,099		79,896	
Europe		7,252		6,961		7,582		29,622		30,017	
Capital and Risk Solutions		8,452		7,211		7,222		31,731		29,533	
Total premiums and deposits <sup>2</sup>	\$	44,165	\$	44,265	\$	47,654	\$	174,179	\$	168,803	
Sales 3,4											
Canada	\$	4,029	\$	3,087	\$	4,881	\$	14,639	\$	16,425	
United States		40,278		35,854		40,104		165,268		204,584	
Europe		6,438		6,582		6,493		27,280		26,613	
Total sales 3,4	\$	50,745	\$	45,523	\$	51,478	\$	207,187	\$	247,622	

<sup>1</sup> On December 31, 2022, Empower completed two separate agreements to cede, via indemnity reinsurance, insurance contract liabilities to a non-related party. As a result of the transaction, the Company recognized an increase of \$8,005 million to ceded premiums, as well as a decrease of \$8,005 million to total paid or credited to policyholders. Refer to note 3(d) of the Company's December 31, 2022 annual consolidated financial statements for further details.

The information in the table above is a summary of results for the Company's total net premiums, premiums and deposits and sales. Additional commentary regarding total net premiums and sales is included, as applicable, in the "Segmented Operating Results" section.

#### **Net Investment Income**

		For	the thr		For the twelve months ended					
		Dec. 31 2022		Sept. 30 2022	Dec. 31 2021		Dec. 31 2022		Dec. 31 2021	
Investment income earned (net of investment properties expenses)	\$	2,327	\$	2,262	\$	1,647	\$	8,489	\$	6,481
Net Allowances for credit losses on loans and receivables		(20)		(11)		(2)		(42)		(30)
Net realized gains (losses)		(56)		(1)		42		(58)		139
Regular investment income		2,251		2,250		1,687		8,389		6,590
Investment expenses		(75)		(54)		(50)		(243)		(197)
Regular net investment income		2,176		2,196		1,637		8,146		6,393
Changes in fair value through profit or loss		1,373		(5,642)		1,611		(23,903)		(2,083)
Total net investment income	\$	3,549	\$	(3,446)	\$	3,248	\$	(15,757)	\$	4,310

<sup>2</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>3</sup> Sales is not a relevant measure for the Capital and Risk Solutions segment due to the nature of operations.

<sup>4</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

Total net investment income in the fourth quarter of 2022 increased by \$301 million compared to the same quarter last year. The changes in fair value in the fourth quarter of 2022 were an increase of \$1,373 million compared to \$1,611 million for the fourth quarter of 2021. In the fourth quarter of 2022, the net increase to fair values was primarily due to a decline in U.S. and U.K. corporate bond yields. In the fourth quarter of 2021, the net increase to fair values was primarily due to a decline in bond yields across all geographies and an increase in Canadian equity markets.

Regular net investment income in the fourth quarter of 2022 of \$2,176 million increased by \$539 million compared to the same quarter last year. The increase was primarily due to income earned on bonds and mortgages acquired through the Prudential acquisition, partially offset by lower net realized gains. Net realized gains (losses) include losses on available-for-sale securities of \$29 million for the fourth quarter of 2022 compared to gains of \$8 million for the same quarter last year.

For the twelve months ended December 31, 2022, total net investment income decreased by \$20,067 million compared to the same period last year. The changes in fair value for the twelve month period in 2022 were a decrease of \$23,903 million compared to \$2,083 million during the same period in 2021. The changes in fair value were primarily due to a greater increase in bond yields across all geographies driven by higher interest rates resulting from elevated inflation and also due to a decline in the Canadian equity markets over the year, compared to a smaller increase in bond yields across all geographies, partially offset by an increase in Canadian equity markets in 2021.

Regular net investment income for the twelve months ended December 31, 2022 of \$8,146 million increased by \$1,753 million compared to the same period last year. The increase was primarily due to the same reasons discussed for the in-quarter results. Net realized gains (losses) include losses on available-for-sale securities of \$44 million for the twelve months ended December 31, 2022 compared to gains of \$27 million for the same period last year.

#### **Fee and Other Income**

In addition to providing traditional risk-based insurance products, the Company also provides certain products on a fee-for-service basis. The most significant of these products are segregated funds and mutual funds, for which the Company earns investment management fees on assets managed and other fees, as well as administrative services only (ASO) contracts, under which the Company provides group benefit plan administration on a cost-plus basis.

	For the three months ended								For the twelve months ended				
	Dec. 31 2022		Sept. 30 2022			ec. 31 2021	Dec. 31 2022			Dec. 31 2021			
Canada													
Segregated funds, mutual funds and other	\$	425	\$	427	\$	452	\$	1,725	\$	1,765			
Administrative services only (ASO) contracts		67		63		69		263		226			
		492		490		521		1,988		1,991			
United States													
Segregated funds, mutual funds and other		1,156		1,095		998		4,271		3,880			
Europe													
Segregated funds, mutual funds and other		328		312		364		1,334		1,415			
Capital and Risk Solutions													
Reinsurance and other		3		_		2		5		8			
Total fee and other income	\$	1,979	\$	1,897	\$	1,885	\$	7,598	\$	7,294			

The information in the table above is a summary of gross fee and other income for the Company. Additional commentary regarding fee and other income is included, as applicable, in the "Segmented Operating Results" section.

#### **Net Policyholder Benefits, Dividends and Experience Refunds**

	Fo	r the thr	ee months e		For the twelve months ended				
	Dec. 31 2022		Sept. 30 2022		Dec. 31 2021	Dec. 31 2022		Dec. 31 2021	
Canada	\$ 3,190	\$	2,561	\$	2,522	\$	10,608	\$	10,171
United States	4,140		3,687		1,654		13,472		7,310
Europe	1,022		765		1,000		3,518		3,909
Capital and Risk Solutions	7,841		7,149		7,065		30,534		25,862
Total	\$ 16,193	\$	14,162	\$	12,241	\$	58,132	\$	47,252

Net policyholder benefits, dividends and experience refunds include life and health claims, policy surrenders, maturities, annuity payments, segregated fund guarantee payments, policyholder dividends and experience refund payments. The amounts do not include payments for ASO contracts, segregated funds or mutual funds.

For the three months ended December 31, 2022, net policyholder benefits, dividends and experience refunds were \$16.2 billion, an increase of \$4.0 billion from the same quarter last year, driven by higher net policyholder benefits. The increase in net policyholder benefits was primarily due to the addition of the Prudential business in the U.S. segment as well as new reinsurance agreements and volume changes relating to existing business in the Capital and Risk Solutions segment. The increase was partially offset by lower surrenders in the U.S. segment.

For the twelve months ended December 31, 2022, net policyholder benefits, dividends and experience refunds were \$58.1 billion, an increase of \$10.9 billion from the same period last year, driven by higher net policyholder benefits. The increase in net policyholder benefits was primarily due to the same reasons discussed for the in-quarter results.

#### **Other Benefits and Expenses**

	For the three months ended							For the twelve months ended			
		Dec. 31 2022		Sept. 30 2022		Dec. 31 2021		Dec. 31 2022		Dec. 31 2021	
Operating and administrative expenses	\$	1,943	\$	1,711	\$	1,688	\$	7,109	\$	6,337	
Commissions		715		628		717		2,675		2,664	
Premium taxes		139		123		134		497		500	
Amortization of finite life intangible assets and impairment reversal		93		101		89		373		336	
Financing charges		114		98		89		398		328	
Restructuring and integration expenses		43		58		21		178		90	
Total	\$	3,047	\$	2,719	\$	2,738	\$	11,230	\$	10,255	

Other benefits and expenses for the fourth quarter of 2022 of \$3,047 million increased by \$309 million compared to the fourth quarter of 2021, primarily due to higher operating and administrative expenses. The fourth quarter of 2022 included Prudential operating and administrative expenses of \$211 million. In addition, higher operating and administrative expenses were due to business growth at Empower.

For the twelve months ended December 31, 2022, other benefits and expenses increased by \$975 million to \$11,230 million compared to the same period last year, primarily due to higher operating and administrative expenses as discussed for the in-quarter results. The twelve months ended December 31, 2022 included Prudential operating and administrative expenses of \$604 million. In addition, restructuring and integration expenses increased compared to the same period last year, primarily due to the acquisition of Prudential. The Company completed the integrations of Personal Capital and MassMutual during the fourth quarter of 2022.

#### **Consolidated Financial Position**

#### **Assets**

#### Assets under administration 1

December 31, 2022		Canada		United States		Europe		Capital and Risk Solutions		Total	
Assets											
Invested assets	\$	90,751	\$	98,929	\$	39,420	\$	8,738	\$	237,838	
Goodwill and intangible assets		5,794		7,966		3,053		-		16,813	
Other assets		4,721		37,584		8,994		7,608		58,907	
Investments on account of segregated fund policyholders		93,816		166,274		127,807		-		387,897	
Total assets	1	95,082		310,753		179,274		16,346		701,455	
Other assets under management <sup>2</sup>		4,057		277,138		50,539		-		331,734	
Total assets under management 1	1	99,139		587,891		229,813		16,346	1	,033,189	
Other assets under administration <sup>2</sup>		26,344	1	,426,834		11,345		-	1	,464,523	
Total assets under administration 1	\$ 2	25,483	\$ 2	,014,725	\$	241,158	\$	16,346	\$ 2	,497,712	
December 31, 2021											
Assets											
Invested assets	\$	92,400	\$	55,376	\$	48,669	\$	9,359	\$	205,804	
Goodwill and intangible assets		5,722		5,826		3,047		-		14,595	
Other assets		4,323		30,090		10,220		8,037		52,670	
Investments on account of segregated fund policyholders	1	01,537		116,919		138,963		_		357,419	
Total assets	2	03,982		208,211		200,899		17,396		630,488	
Other assets under management <sup>2</sup>		5,742		310,933		60,480		-		377,155	
Total assets under management <sup>1</sup>	2	09,724		519,144		261,379		17,396	1	,007,643	
Other assets under administration 2,3		29,615	1	,241,974		12,360		-	1	,283,949	
Total assets under administration 1,3	\$ 2	39,339	\$ 1	,761,118	\$	273,739	\$	17,396	\$ 2	,291,592	

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

Total assets under administration (AUA) at December 31, 2022 increased by \$206.1 billion to \$2.5 trillion compared to December 31, 2021, due to the Prudential acquisition during the second quarter of 2022 as well as the impact of currency movement in the U.S. segment. These items were partially offset by the impacts of lower equity market levels, higher interest rates and the impact of currency movement in the Europe segment. The Prudential acquisition added \$119 billion in total assets, \$1 billion in other assets under management and \$267 billion in other assets under administration to the U.S. segment as at December 31, 2022.

For additional details on assets acquired through business acquisitions, refer to "Business Acquisitions and Other Transactions", note 3 in the Company's December 31, 2022 annual consolidated financial statements.

#### **Invested Assets**

The Company manages its general fund assets to support the cash flow, liquidity and profitability requirements of the Company's insurance and investment products. The Company's investment policies are designed to be prudent and conservative, so that assets are not unduly exposed to concentration, credit or market risks. Within the framework of the Company's policies, the Company implements strategies and reviews and adjusts them on an ongoing basis considering liability cash flows and capital market conditions. The majority of investments of the general fund are in medium-term and long-term fixed-income investments, primarily bonds and mortgages, reflecting the characteristics of the Company's liabilities.

<sup>2</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

<sup>3 2021</sup> comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration in the Canada segment.

#### Invested asset distribution

		Canada		United States		Europe		Capital and Risk Solutions		Total	
December 31, 2022											
Bonds											
Government & related	\$	19,936	\$	4,901	\$	14,621	\$	4,011	\$	43,469	18%
Corporate & other		30,848		67,668		13,852		3,750		116,118	49
Sub-total bonds		50,784		72,569		28,473		7,761		159,587	67
Mortgages		17,106		15,955		6,105		363		39,529	17
Stocks		12,400		1,378		490		_		14,268	6
Investment properties		5,759		33		2,552		-		8,344	3
Sub-total portfolio investments		86,049		89,935		37,620		8,124		221,728	93
Cash and cash equivalents		1,444		3,561		1,798		487		7,290	3
Loans to policyholders		3,258		5,433		2		127		8,820	4
Total invested assets	\$	90,751	\$	98,929	\$	39,420	\$	8,738	\$	237,838	100%
December 31, 2021											
Bonds											
Government & related	\$	21,863	\$	4,313	\$	19,411	\$	5,289	\$	50,876	25%
Corporate & other		31,409		36,515		18,265		3,547		89,736	43
Sub-total bonds		53,272		40,828		37,676		8,836		140,612	68
Mortgages		16,703		6,170		5,891		88		28,852	14
Stocks		13,036		673		474		_		14,183	7
Investment properties		4,913		8		2,842		-		7,763	4
Sub-total portfolio investments		87,924		47,679		46,883		8,924		191,410	93
Cash and cash equivalents		1,392		2,581		1,784		318		6,075	3
Loans to policyholders		3,084		5,116		2		117		8,319	4
Total invested assets	\$	92,400	\$	55,376	\$	48,669	\$	9,359	\$	205,804	100%

At December 31, 2022, total invested assets were \$237.8 billion, an increase of \$32.0 billion from December 31, 2021. The increase in invested assets was primarily due to bonds and mortgages acquired through the Prudential acquisition, partially offset by a decline in the fair value of bonds resulting from an increase in bond yields across all geographies. The distribution of assets has not changed significantly and remains heavily weighted to bonds and mortgages.

**Bond portfolio** – It is the Company's policy to acquire primarily investment grade bonds subject to prudent and well-defined investment policies. Modest investments in below investment grade rated securities may occur while not changing the overall discipline and conservative approach to the investment strategy. The total bond portfolio, including short-term investments, was \$159.6 billion or 67% of invested assets at December 31, 2022 compared to \$140.6 billion or 68% at December 31, 2021. The increase in the bond portfolio was primarily due to bonds acquired through the Prudential acquisition, partially offset by a decline in fair values resulting from an increase in bond yields across all geographies. The overall quality of the bond portfolio remained high, with 99% of the portfolio rated investment grade and 71% rated A or higher.

Bond credit ratings reflect bond rating agency activity up to December 31, 2022. Management continues to closely monitor bond rating agency activity and general market conditions as economies emerge from the pandemic and are now being impacted by geopolitical tensions.

#### Bond portfolio quality

		December 31, 2021				
AAA	\$	25,399	16%	\$	20,254	14%
AA		32,244	20		35,460	25
A		55,063	35		48,764	35
BBB		45,080	28		35,098	25
BB or lower		1,801	1		1,036	1
Total	\$	159,587	100%	\$	140,612	100%

At December 31, 2022, non-investment grade bonds were \$1.8 billion or 1.1% of the bond portfolio compared to \$1.0 billion or 0.7% of the bond portfolio at December 31, 2021. The increase in non-investment grade bonds was primarily due to bonds acquired through the Prudential acquisition.

Mortgage portfolio – It is the Company's practice to acquire high-quality commercial mortgages meeting strict underwriting standards and diversification criteria. The Company has a well-defined risk-rating system, which it uses in its underwriting and credit monitoring processes for commercial loans. Residential loans are originated by the Company's mortgage specialists in accordance with well-established underwriting standards and are well diversified across each geographic region, including specific diversification requirements for non-insured mortgages. Equity release mortgages are originated in the Europe segment following well-defined lending criteria and held in the Canada, Europe and Capital and Risk Solutions segments. Equity release mortgages are loans provided to people who want to continue living in their homes while accessing some of the underlying equity value in their homes. Loans are typically repaid when the borrower dies or moves into long-term care.

### Mortgage portfolio

					December 31, 2021					
	- II	nsured <sup>1</sup>	No	n-insured	Total		Total			
Mortgage loans by type										
Single family residential	\$	418	\$	1,438	\$ 1,856	5%	\$	1,979	7%	
Multi-family residential		2,718		7,628	10,346	26		7,601	26	
Equity release		-		3,365	3,365	9		2,609	9	
Commercial		-		23,962	23,962	60		16,663	58	
Total	\$	3,136	\$	36,393	\$ 39,529	100%	\$	28,852	100%	

<sup>1</sup> Insured mortgages include mortgages where insurance is provided by a third party and protects the Company in the event that the borrower is unable to fulfill their mortgage obligations.

The total mortgage portfolio was \$39.5 billion or 17% of invested assets at December 31, 2022, compared to \$28.9 billion or 14% of invested assets at December 31, 2021. The increase in the mortgage portfolio was primarily related to mortgages acquired through the Prudential acquisition. The Canada segment ceased residential mortgage origination in November 2022. Total insured loans were \$3.1 billion or 8% of the mortgage portfolio. The equity release mortgages had a weighted average loan-to-value, calculated as the weighted average of the total outstanding loan balance divided by the appraised value of the properties, of 36% (31% at December 31, 2021).

### **Commercial mortgages**

						Capi	tal and	
	Canada		U.S.		Europe		olutions	Total
December 31, 2022								
Retail & shopping centres	\$	3,712	\$ 1,167	\$	951	\$	2	\$ 5,832
Industrial		3,654	5,845		704		34	10,237
Office buildings		1,695	2,846		1,150		19	5,710
Other		65	1,420		698		_	2,183
Total	\$	9,126	\$ 11,278	\$	3,503	\$	55	\$ 23,962
December 31, 2021								
Retail & shopping centres	\$	3,770	\$ 521	\$	991	\$	2	\$ 5,284
Industrial		3,126	1,430		617		30	5,203
Office buildings		2,088	1,282		1,209		18	4,597
Other		380	463		736		_	1,579
Total	\$	9,364	\$ 3,696	\$	3,553	\$	50	\$ 16,663

Throughout 2022, commercial real estate office markets in Europe and North America showed signs of slowdown due to dampened demand from a continued lag faced by employers on return-to-office plans, leading to higher vacancy rates and deteriorating operating performance, driven as well by challenging economic and capital market conditions. This has resulted in certain valuation reductions for the underlying office properties in 2022 reflecting the current outlook. The Company is monitoring and will work proactively with borrowers to manage exposures. It is the Company's practice to acquire high-quality commercial mortgages meeting strict underwriting standards and diversification criteria. The Company has a well-defined risk-rating system, which it uses in its underwriting and credit monitoring processes for commercial loans.

**Equity portfolio** – The total equity portfolio was \$22.6 billion or 9% of invested assets at December 31, 2022 compared to \$21.9 billion or 11% of invested assets at December 31, 2021. The equity portfolio consists of publicly traded stocks, privately held stocks and investment properties. The decrease in publicly traded stocks of \$1.0 billion was primarily due to market value declines and the increase in privately held stocks of \$1.1 billion was primarily due to purchases. The increase in investment properties of \$0.6 billion was mainly the result of property acquisitions.

## **Equity portfolio**

	Decembe	er 31, 2022	December 31, 2021			
Equity portfolio by type						
Publicly traded stocks	\$ 11,380	50%	\$ 12,424	57%		
Privately held stocks	2,888	13	1,759	8		
Sub-total Sub-total	14,268	63	14,183	65		
Investment properties	8,344	37	7,763	35		
Total	\$ 22,612	100%	\$ 21,946	100%		

#### Investment properties 1

		December 31, 2022							December 31, 2021							
	(	anada		U.S.	Е	urope		Total	Canada	l	J.S.	E	Europe		Total	
Industrial	\$	2,304	\$	_	\$	900	\$	3,204	\$ 1,740	\$	_	\$	1,009	\$	2,749	
Office buildings		1,260		25		564		1,849	1,384		-		626		2,010	
Retail		218		-		765		983	227		-		848		1,075	
Other		1,977		8		323		2,308	1,562		8		359		1,929	
Total	\$	5,759	\$	33	\$	2,552	\$	8,344	\$ 4,913	\$	8	\$	2,842	\$	7,763	

<sup>1</sup> The Capital and Risk Solutions segment does not hold any investment properties.

Throughout 2022, commercial real estate office markets in Europe and North America showed signs of slowdown due to dampened demand from a continued lag faced by employers on return-to-office plans, leading to higher vacancy rates and deteriorating operating performance, driven as well by challenging economic and capital market conditions. This has resulted in certain valuation reductions in 2022 reflecting the current outlook for office properties. As market conditions evolve, the Company may be required to apply further valuation reductions.

**Impaired investments** – Impaired investments include bonds in default, mortgages in default or in the process of foreclosure and other assets where management no longer has reasonable assurance that all contractual cash flows will be received.

### Impaired investments

	December 31, 2022								December 31, 2021							
	ross nount		irment overy		irment vision		rrying nount		iross nount		rment overy		irment vision		rrying nount	
Fair value through profit or loss	\$ 16	\$	_	\$	(5)	\$	11	\$	18	\$	1	\$	(5)	\$	14	
Available-for-sale	-		-		-		-		6		1		_		7	
Loans and receivables	56		-		(16)		40		99		-		(28)		71	
Total	\$ 72	\$	-	\$	(21)	\$	51	\$	123	\$	2	\$	(33)	\$	92	

The gross amount of impaired investments totaled \$72 million or 0.1% of invested assets at December 31, 2022 compared to \$123 million or 0.1% at December 31, 2021, a net decrease of \$51 million. The decrease in impaired investments was primarily due to the disposal of an impaired commercial mortgage in the Canada segment.

The impairment provision at December 31, 2022 was \$21 million compared to \$33 million at December 31, 2021. The decrease was primarily due to the disposal of an impaired commercial mortgage in the Canada segment. These assets remain impaired based on impairment factors as described in the "Summary of Critical Accounting Estimates" section of this document and in note 2 of the Company's December 31, 2022 annual consolidated financial statements.

#### Provision for future credit losses

As a component of insurance contract liabilities, the total actuarial provision for future credit losses is determined consistent with the Canadian Institute of Actuaries' Standards of Practice and includes provisions for adverse deviation. The provisions reflect the current credit ratings and potential future rating migration. No provision is held for government or government related debt rated A+ or higher where the issuer is monetarily sovereign.

At December 31, 2022, the total actuarial provision for future credit losses in insurance contract liabilities was \$3,223 million compared to \$3,271 million at December 31, 2021, a decrease of \$48 million, primarily due to interest rate movements and the impact of currency movements, partially offset by the acquisition of Prudential.

The aggregate of impairment provisions of \$21 million (\$33 million at December 31, 2021) and actuarial provisions for future credit losses in insurance contract liabilities of \$3,223 million (\$3,271 million at December 31, 2021) represents 1.5% of bond and mortgage assets, including funds held by ceding insurers, at December 31, 2022 (1.8% at December 31, 2021).

#### **Derivative Financial Instruments**

There were no major changes to the Company's policies and procedures with respect to the use of derivative financial instruments in 2022. The Company's derivative transactions are generally governed by International Swaps and Derivatives Association, Inc. (ISDA) Master Agreements, which provide for legally enforceable set-off and close-out netting of exposure to specific counterparties in the event of an early termination of a transaction, which includes, but is not limited to, events of default and bankruptcy. In the event of an early termination, the Company is permitted to set off receivables from a counterparty against payables to the same counterparty, in the same legal entity, arising out of all included transactions. The Company's ISDA Master Agreements may include Credit Support Annex provisions, which require both the pledging and accepting of collateral in connection with its derivative transactions.

At December 31, 2022, total financial collateral, including initial margin and overcollateralization, received on derivative assets was \$1,348 million (\$318 million at December 31, 2021) and pledged on derivative liabilities was \$754 million (\$480 million at December 31, 2021). The increase in collateral received on derivatives assets was primarily driven by the impact of the U.S. dollar strengthening against the British pound and euro on cross-currency swaps that pay British pounds and euros and receive U.S. dollars. The increase in collateral pledged on derivative liabilities was primarily driven by the impact of increases to market interest rates on interest rate swaps that receive fixed and pay floating rates.

During the twelve month period ended December 31, 2022, the outstanding notional amount of derivative contracts increased by \$10.0 billion to \$46.6 billion, primarily due to increases to cross-currency swaps related to the Prudential acquisition and regular hedging activities.

The Company's exposure to derivative counterparty credit risk, which reflects the current fair value of those instruments in a gain position, increased to \$2,314 million at December 31, 2022 from \$967 million at December 31, 2021. The increase was primarily driven by the impact of the U.S. dollar strengthening against the British pound and euro on cross-currency swaps that pay British pounds and euros and receive U.S. dollars. There were no changes to derivative counterparty ratings during the fourth quarter of 2022 and all had investment grade ratings as of December 31, 2022. Refer to "Financial Instruments Risk Management", note 8 in the Company's December 31, 2022 annual consolidated financial statements for details of the Company's derivative counterparties' ratings.

## Goodwill and intangible assets

	Dece	mber 3	1
	2022		2021
Goodwill	\$ 10,604	\$	9,081
Indefinite life intangible assets	2,882		2,786
Finite life intangible assets	3,327		2,728
Total	\$ 16,813	\$	14,595

The Company's goodwill and intangible assets relate primarily to business acquisitions made by the Company, including the recent acquisitions of Personal Capital, MassMutual and Prudential. Goodwill and intangible assets of \$16.8 billion at December 31, 2022 increased by \$2.2 billion from December 31, 2021. Goodwill increased by \$1.5 billion, finite life intangible assets increased by \$0.6 billion and indefinite life intangible assets increased by \$0.1 billion, primarily due to the acquisition of Prudential and the impact of currency movement.

In the fourth quarter of 2022, the Company conducted its annual impairment testing of goodwill and intangible assets based on September 30, 2022 asset balances. It was determined that the recoverable amounts of cash generating unit (CGU) groupings for goodwill and CGUs for intangible assets were in excess of their carrying values and there was no evidence of impairment. Recoverable amount is based on fair value less cost of disposal.

Refer to note 10 in the Company's December 31, 2022 annual consolidated financial statements for further details of the Company's goodwill and intangible assets. Also, refer to the "Summary of Critical Accounting Estimates" section of this document for details on impairment testing of these assets.

## Other general fund assets

	Dec	ember	31
	2022		2021
Reinsurance assets	\$ 25,018	\$	21,138
Funds held by ceding insurers	15,186		17,194
Premiums in course of collection, accounts and interest receivable	6,980		6,366
Other assets	6,798		4,522
Derivative financial instruments	2,314		967
Deferred tax assets	1,152		1,057
Owner occupied properties	724		736
Fixed assets	399		422
Current income taxes	336		268
Total	\$ 58,907	\$	52,670

Total other general fund assets at December 31, 2022 were \$58.9 billion, an increase of \$6.2 billion from December 31, 2021. The increase was primarily due to an increase of \$3.9 billion in reinsurance assets, an increase of \$2.3 billion in other assets as well as an increase of \$1.3 billion in derivative financial instruments, partially offset by a decrease of \$2.0 billion in funds held by ceding insurers. The increase in reinsurance assets was driven by two separate agreements completed by Empower to cede, via indemnity reinsurance, insurance contract liabilities to a non-related party, partially offset by fair value adjustments driven by an increase in bond yields.

Other assets comprise several items including prepaid expenses and accounts receivable. Refer to note 12 in the Company's December 31, 2022 annual consolidated financial statements for a breakdown of other assets.

## Investments on account of segregated fund policyholders

	Dec	ember 31
	2022	2021
Mutual funds	\$ 168,459	\$ 133,916
Stocks and units in unit trusts	117,878	134,568
Bonds	69,371	60,647
Investment properties	13,035	12,776
Cash and other	10,607	10,010
Mortgage loans	2,159	2,377
Sub-total	\$ 381,509	\$ 354,294
Non-controlling mutual funds interest	6,388	3,125
Total	\$ 387,897	\$ 357,419

Investments on account of segregated fund policyholders, which are measured at fair value, increased by \$30.5 billion to \$387.9 billion at December 31, 2022 compared to December 31, 2021. The increase was primarily due to an increase of \$77.7 billion related to business acquisitions, driven by the acquisition of Prudential and the impact of currency movement of \$9.5 billion. The increase was partially offset by the combined impact of net investment income and market value losses of \$53.7 billion, net withdrawals of \$6.2 billion as well as non-controlling mutual funds interest of \$3.3 billion.

## Other assets under management 1

	Dece	ember 31
	2022	2021
Mutual funds		
Blend equity	\$ 18,864	\$ 22,334
Growth equity	18,744	26,605
Equity value	31,686	30,479
Fixed-income	36,444	46,246
Exchange Traded Funds	230	58
Money market	232	199
Empower Funds <sup>2</sup>	58,247	57,749
Sub-total	\$ 164,447	\$ 183,670
Institutional assets		
Equity	\$ 104,602	\$ 126,064
Fixed-income	59,843	60,681
Other	2,842	6,740
Sub-total	\$ 167,287	\$ 193,485
Total other assets under management	\$ 331,734	\$ 377,155

<sup>1</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

Total other assets under management decreased by \$45.4 billion, primarily due to market movement and net cash outflows, partially offset by the impact of currency movement. Empower includes proprietary mutual funds of \$1 billion acquired in the Prudential acquisition as at December 31, 2022.

### Liabilities

	Dece	mber 31
	2022	2021
Insurance and investment contract liabilities	\$ 247,698	\$ 220,833
Other general fund liabilities	33,542	21,753
Investment and insurance contracts on account of segregated fund policyholders	387,897	357,419
Total	\$ 669,137	\$ 600,005

Total liabilities increased by \$69.1 billion to \$669.1 billion at December 31, 2022 from December 31, 2021.

Insurance and investment contract liabilities increased by \$26.9 billion. The increase was primarily due to \$44.2 billion acquired through the Prudential acquisition, the impacts of new business, and the strengthening of the U.S. dollar, partially offset by fair value adjustments.

Investment and insurance contracts on account of segregated fund policyholders increased by \$30.5 billion, primarily due to an increase of \$77.7 billion related to the acquisition of Prudential, the impact of currency movement of \$9.5 billion and non-controlling mutual funds interest of \$3.3 billion. The increase was partially offset by the combined impact of net investment income and market value losses of \$53.7 billion and net withdrawals of \$6.2 billion.

Other general fund liabilities increased by \$11.8 billion, primarily due to an increase of \$6.7 billion in funds held under reinsurance contracts driven by two separate agreements completed by Empower to cede, via indemnity reinsurance, insurance contract liabilities to a non-related party. In addition, other liabilities increased by \$2.7 billion and debentures and other debt instruments increased \$1.7 billion.

Insurance and investment contract liabilities represent the amounts that, together with estimated future premiums and investment income, will be sufficient to pay estimated future benefits, dividends and expenses on policies in-force. Insurance and investment contract liabilities are determined using generally accepted actuarial practices, according to standards established by the Canadian Institute of Actuaries. Also, refer to the "Summary of Critical Accounting Estimates" section of this document for further details.

<sup>2</sup> At December 31, 2022, Empower funds exclude \$26.4 billion of Putnam managed funds (\$24.9 billion at December 31, 2021), which are included in the categories above.

### Assets supporting insurance and investment contract liabilities

			Non-Participating									
	Participating Account			Canada	United States		Europe		Capital and Risk Solutions			Total
December 31, 2022												
Bonds	\$	25,462	\$	21,731	\$	58,238	\$	24,270	\$	5,374	\$	135,075
Mortgage loans		12,313		4,287		12,616		6,105		224		35,545
Stocks		8,226		2,764		817		388		-		12,195
Investment properties		4,527		715		-		2,345		-		7,587
Other assets <sup>1</sup>		10,881		2,559		33,329		4,307		6,220		57,296
Total	\$	61,409	\$	32,056	\$	105,000	\$	37,415	\$	11,818	\$	247,698
Total insurance and investment contract liabilities	\$	61,409	\$	32,056	\$	105,000	\$	37,415	\$	11,818	\$	247,698
December 31, 2021												
Bonds	\$	26,978	\$	23,620	\$	32,302	\$	33,208	\$	6,394	\$	122,502
Mortgage loans		11,781		4,661		4,641		5,891		80		27,054
Stocks		8,665		3,116		211		391		_		12,383
Investment properties		4,021		579		_		2,743		_		7,343
Other assets <sup>1</sup>		10,325		2,804		26,784		4,982		6,656		51,551
Total	\$	61,770	\$	34,780	\$	63,938	\$	47,215	\$	13,130	\$	220,833
Total insurance and investment contract liabilities	\$	61,770	\$	34,780	\$	63,938	\$	47,215	\$	13,130	\$	220,833

<sup>1</sup> Other assets include reinsurance assets, premiums in the course of collection, interest due and accrued, other investment receivables, deferred acquisition costs, accounts receivable, current income taxes and prepaid expenses.

Asset and liability cash flows are matched within established limits to minimize the financial effects of a shift in interest rates and mitigate the changes in the Company's financial position due to interest rate volatility.

### **Other General Fund Liabilities**

	De	cember 31
	2022	2021
Debentures and other debt instruments	\$ 10,509	\$ 8,804
Other liabilities	8,794	6,063
Funds held under reinsurance contracts	8,247	1,542
Accounts payable	3,194	3,032
Deferred tax liabilities	1,009	1,089
Derivative financial instruments	1,639	1,030
Current income taxes	150	193
Total	\$ 33,542	\$ 21,753

Total other general fund liabilities at December 31, 2022 were \$33.5 billion, an increase of \$11.8 billion from December 31, 2021. The increase was primarily due to an increase of \$6.7 billion in funds held under reinsurance contracts driven by two separate agreements completed by Empower to cede, via indemnity reinsurance, insurance contract liabilities to a non-related party. In addition, other liabilities increased by \$2.7 billion and debentures and other debt instruments increased by \$1.7 billion. The increase was partially offset by a decrease of \$0.1 billion in deferred tax liabilities.

Other liabilities of \$8.8 billion include pension and other post-employment benefits, lease liabilities, deferred income reserve, bank overdraft and other liability balances. Refer to note 17 in the Company's December 31, 2022 annual consolidated financial statements for a breakdown of the other liabilities balance and note 15 in the Company's December 31, 2022 annual consolidated financial statements for details of the debentures and other debt instruments.

### **Segregated Fund and Variable Annuity Guarantees**

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.

In Canada, the Company offers individual segregated fund products through Canada Life. These products provide guaranteed minimum death benefits (GMDB) and guaranteed minimum accumulation on maturity benefits (GMAB).

In the U.S., the Company has a mix of open and closed blocks of group variable annuities with guaranteed minimum withdrawal benefits (GMWB) and a closed block of group standalone GMDB products which mainly provide return of premium on death. A block of GMWB policies was acquired from Prudential on April 1, 2022.

In Europe, the Company offers UWP products, which are similar to segregated fund products but include minimum credited interest rates and pooling of policyholders' funds, as well as a GMWB product in Germany.

The GMWB products offered by the Company in the U.S. and Germany, and previously offered in Canada and Ireland, provide the policyholder with a guaranteed minimum level of annual income for life. The minimum level of income may increase depending upon the level of growth in the market value of the policyholder's funds. Where the market value of the policyholder's funds is ultimately insufficient to meet the level of guarantee purchased by the policyholder, the Company is obligated to make up the shortfall.

Capital and Risk Solutions has a closed portfolio of GMAB and guaranteed minimum income benefits (GMIB) that it has reinsured from other U.S. and Canadian life insurance and reinsurance companies.

These products involve cash flows of which the magnitude and timing are uncertain and are dependent on the level of equity and fixed-income market returns, interest rates, currency markets, market volatility, policyholder behaviour and policyholder longevity.

The Company has a hedging program in place to manage a portion of the market and interest rate risk associated with options embedded in its GMWB products. The program methodology quantifies both the embedded option value and its sensitivity to movements in equity markets, currency markets and interest rates. Equity derivative instruments, currency derivative instruments and interest rate derivative instruments are used to mitigate changes in the embedded option value attributable to movements in equity markets, currency markets and interest rates respectively. The hedging program, by its nature, requires continuous monitoring and rebalancing to avoid over or under hedged positions. Periods of heightened market volatility will increase the frequency of hedge rebalancing.

By their nature, certain risks associated with the GMWB product either cannot be hedged or cannot be hedged on a cost-effective basis. These risks include policyholder behaviour, policyholder longevity, basis risk and market volatility. Consequently, the hedging program will not mitigate all risks to the Company associated with the GMWB products and may expose the Company to additional risks including the operational risk associated with the reliance upon sophisticated models, and counterparty credit risk associated with the use of derivative instruments.

Other risk management processes are in place aimed at appropriately limiting the Company's exposure to the risks it is not hedging or are otherwise inherent in its GMWB hedging program. In particular, the GMWB product has been designed with specific regard to limiting policyholder antiselection, and the array of investment funds available to policyholders has been determined with a view to minimizing underlying basis risk.

Certain GMWB products offered by the Company offer levels of death and maturity guarantees. At December 31, 2022, the amount of GMWB product in-force in Canada, the U.S., Ireland and Germany was \$7,033 million (\$3,316 million at December 31, 2021). The increase in in-force amount was primarily a result of the Prudential acquisition in the U.S. segment.

### Segregated fund and variable annuity guarantee exposure

	Investment deficiency by benefit type								
December 31, 2022	Ma	rket Value	In	come	Mat	turity	I	Death	Total 1
Canada	\$	32,799	\$	_	\$	27	\$	402	\$ 402
United States		23,465		758		-		12	770
Europe		10,609		32		-		1,352	1,352
Capital and Risk Solutions <sup>2</sup>		656		169		-		-	169
Total	\$	67,529	\$	959	\$	27	\$	1,766	\$ 2,693

<sup>1</sup> 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, 2022.

Investment deficiency at December 31, 2022 increased by \$1,731 million to \$2,693 million compared to December 31, 2021, primarily due to a decrease in market values and the Prudential acquisition in the U.S. segment. 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, 2022 and does not include the impact of the Company's hedging program for GMWB products. 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 were \$4 million in-quarter (\$3 million for the fourth quarter of 2021) and \$13 million year-to-date (\$10 million year-to-date for 2021), with the majority arising in the Capital and Risk Solutions segment related to a legacy block of business. The market value decreased by \$3,353 million to \$67,529 million compared to December 31, 2021, primarily due to the year-to-date decrease in equity markets.

<sup>2</sup> Capital and Risk Solutions exposure is to markets in Canada and the U.S.

# **Lifeco Capital Structure**

In establishing the appropriate mix of capital required to support the operations of the Company and its subsidiaries, management utilizes a variety of debt, equity and other hybrid instruments considering both the short and long-term capital needs of the Company.

#### **Debentures and Other Debt Instruments**

At December 31, 2022, debentures and other debt instruments increased by \$1,705 million to \$10,509 million compared to December 31, 2021.

On March 30, 2022, Great-West Lifeco U.S. LLC, a subsidiary of the Company, established a 2-year US\$500 million non-revolving credit facility with interest on the drawn balance equal to a float rate based on the Adjusted Term Secured Overnight Financing Rate (SOFR). The facility is fully and unconditionally guaranteed by the Company. The \$645 million (US\$500 million) facility was fully drawn, along with \$416 million (US\$323 million) from an existing revolving credit facility to finance a portion of the Prudential retirement service business acquisition on the acquisition date.

On July 1, 2022, Great-West Lifeco U.S. LLC made an initial payment of US\$150 million on its existing revolving credit facility, followed by a final payment of US\$173 million on December 30, 2022. As at December 31, 2022, the \$675 million (US\$500 million) facility remained fully drawn and the existing revolving credit facility balance was nil.

On November 16, 2022, the Company issued €500 million aggregate principal amount 4.70% senior bonds at par, maturing on November 16, 2029. The bonds are admitted to the Official List of Euronext Dublin and are listed for trading on the Global Exchange Market of Euronext Dublin.

Refer to note 15 in the Company's December 31, 2022 annual consolidated financial statements for further details of the Company's debentures and other debt instruments.

## **Capital Trust Securities**

At December 31, 2022, the Company had \$150 million principal outstanding of Canada Life Capital Trust Securities – Series B (CLiCS – Series B). Included in the Company's invested assets at December 31, 2022 were CLiCS – Series B with a fair value of \$44 million and principal value of \$37 million (fair value of \$53 million at December 31, 2021).

Each holder of the CLiCS – Series B is entitled to receive a semi-annual non-cumulative fixed cash distribution of \$37.645 per CLiCS – Series B, representing an annual yield of 7.529% payable out of Canada Life Capital Trust's (CLCT) distributable funds. Subject to regulatory approval, CLCT may redeem the CLiCS – Series B, in whole or in part, at any time and the CLiCS – Series B are callable at par on June 30, 2032.

## **Equity**

Share capital outstanding at December 31, 2022 was \$10,011 million, which comprises \$5,791 million of common shares and \$2,720 million of preferred shares and \$1,500 million LRCN Series 1 discussed below. Preferred shares included \$2,470 million of non-cumulative First Preferred Shares and \$250 million of 5-year rate reset First Preferred Shares.

### Common shares

At December 31, 2022, the Company had 931,853,110 common shares outstanding with a stated value of \$5,791 million compared to 930,620,338 common shares with a stated value of \$5,748 million at December 31, 2021.

The Company renewed its normal course issuer bid (NCIB) effective January 27, 2022 for one year to purchase and cancel up to 20,000,000 of its common shares at market prices in order to mitigate the dilutive effect of stock options granted under the Company's Stock Option Plan and for other capital management purposes. During the twelve months ended December 31, 2022, the Company did not purchase any common shares under the current NCIB (nil for the twelve months ended December 31, 2021, under the previous NCIB).

Subsequent to December 31, 2022, in order to mitigate the dilutive effect of stock options granted under the Company's Stock Option Plan and for other capital management purposes, the Company announced a new NCIB commencing January 27, 2023 and terminating January 26, 2024 to purchase for cancellation up to but not more than 20,000,000 of its common shares at market prices.

## **Preferred shares**

At December 31, 2022, the Company had 11 series of fixed rate First Preferred Shares and one series of 5-year rate reset First Preferred Shares outstanding with aggregate stated values of \$2,470 million and \$250 million, respectively.

The terms and conditions of the outstanding First Preferred Shares are set out in the table below:

			Great-West	Lifeco Inc.		
	Series G	Series H	Series I	Series L	Series M	Series N
General Type	Fixed Rate	5-Year Rate Reset				
Cumulative/Non-Cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Date Issued	Sep 14, 2004	Aug 12, 2005	Apr 12, 2006	Oct 2, 2009	Mar 4, 2010	Nov 23, 2010
Shares Outstanding	12,000,000	12,000,000	12,000,000	6,800,000	6,000,000	10,000,000
Amount Outstanding (Par)	\$300,000,000	\$300,000,000	\$300,000,000	\$170,000,000	\$150,000,000	\$250,000,000
Yield	5.20%	4.85%	4.50%	5.65%	5.80%	1.749%
Earliest Issuer Redemption Date	Dec 31, 2009	Sep 30, 2010	Jun 30, 2011	Dec 31, 2014	Mar 31, 2015	Dec 31, 2020
	Series P	Series Q	Series R	Series S	Series T	Series Y
General Type	Fixed Rate					
Cumulative/Non-Cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative	Non-cumulative
Date Issued	Feb 22, 2012	Jul 6, 2012	Oct 11, 2012	May 22, 2014	May 18, 2017	Oct 8, 2021
Shares Outstanding	10,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
Amount Outstanding (Par)	\$250,000,000	\$200,000,000	\$200,000,000	\$200,000,000	\$200,000,000	\$200,000,000
Yield	5.40%	5.15%	4.80%	5.25%	5.15%	4.50%
Earliest Issuer Redemption Date	March 31, 2017	Sep 30, 2017	Dec 31, 2017	Jun 30, 2019	Jun 30, 2022	Dec 31, 2026

The terms and conditions of the First Preferred Shares do not allow the holder to convert to common shares of the Company or to otherwise cause the Company to redeem the shares. Preferred shares issued by the Company are commonly referred to as perpetual and represent a form of financing that does not have a fixed term.

## **Non-controlling Interests**

The Company's non-controlling interests include participating account surplus in subsidiaries and non-controlling interests in subsidiaries. Refer to note 18 in the Company's December 31, 2022 annual consolidated financial statements for further details of the Company's non-controlling interests.

	Deci	ember 3	
	 2022		2021
Participating account surplus in subsidiaries:			
Canada Life	\$ 3,147	\$	3,126
Empower	9		12
	\$ 3,156	\$	3,138
Non-controlling interests in subsidiaries	\$ 152	\$	129

At December 31, 2022, the carrying value of non-controlling interests increased by \$41 million to \$3,308 million compared to December 31, 2021. For the twelve months ended December 31, 2022, net earnings attributable to the participating account before policyholder dividends were \$1,809 million and policyholder dividends were \$1,627 million.

# **Liquidity and Capital Management and Adequacy**

## Liquidity

### **Total Liquid Assets**

			Dece	mber 31, 2022	2		
	On-balar sheet ass		Non-liquid/ Pledged		lic	Net uid assets	
Cash, cash equivalents and short-term bonds							
Cash and cash equivalents <sup>1</sup>	\$	7,290	\$	83	\$	7,207	
Short-term bonds <sup>2</sup>		4,241		30		4,211	
Sub-total Sub-total	\$	11,531	\$	113	\$	11,418	
Other assets and marketable securities							
Government bonds <sup>2</sup>	\$	40,784	\$	11,239	\$	29,545	
Corporate bonds <sup>2</sup>		114,562		55,833		58,729	
Stocks <sup>1</sup>		14,268		2,888		11,380	
Mortgage loans <sup>1</sup>		39,529		36,393		3,136	
Sub-total Sub-total	\$	209,143	\$	106,353	\$	102,790	
Total	\$	220,674	\$	106,466	\$	114,208	

	December 31, 2021				
	n-balance neet assets	Non-liquid/ Pledged		lio	Net quid assets
Cash, cash equivalents and short-term bonds					
Cash and cash equivalents 1	\$ 6,075	\$	32	\$	6,043
Short-term bonds <sup>2</sup>	5,671		1,923		3,748
Sub-total	\$ 11,746	\$	1,955	\$	9,791
Other assets and marketable securities					
Government bonds <sup>2</sup>	\$ 47,126	\$	11,795	\$	35,331
Corporate bonds <sup>2</sup>	87,815		37,324		50,491
Stocks <sup>1</sup>	14,183		1,759		12,424
Mortgage loans <sup>1</sup>	28,852		25,446		3,406
Sub-total	\$ 177,976	\$	76,324	\$	101,652
Total	\$ 189,722	\$	78,279	\$	111,443

<sup>1</sup> Refer to the consolidated balance sheet in the Company's December 31, 2022 annual consolidated financial statements for on-balance sheet amounts.

The Company's liquidity requirements are largely self-funded, with short-term obligations being met by internal funds and maintaining levels of liquid investments adequate to meet anticipated liquidity needs. The Company holds cash, cash equivalents and short-term bonds at the Lifeco holding company level and with the Lifeco consolidated subsidiary companies. At December 31, 2022, the Company and its operating subsidiaries held liquid cash, cash equivalents and short-term bonds of \$11.4 billion (\$9.8 billion at December 31, 2021) and other liquid assets and marketable securities of \$102.8 billion (\$101.7 billion at December 31, 2021). Included in the cash, cash equivalents and short-term bonds at December 31, 2022 was \$1.0 billion (\$0.6 billion at December 31, 2021) held at the Lifeco holding company level which includes cash at Great-West Lifeco U.S. LLC, the Company's U.S. holding company. In addition, the Company maintains committed lines of credit with Canadian chartered banks for potential unanticipated liquidity needs, if required.

The Company does not have a formal common shareholder dividend policy. The Company maintains a target dividend payout ratio range of 45% to 55% of base earnings that is considered in dividend decisions. Dividends on outstanding common shares of the Company are declared and paid at the sole discretion of the Board of Directors of the Company. The decision to declare a dividend on the common shares of the Company takes into account a variety of factors including the level of earnings, adequacy of capital and availability of cash resources.

As a holding company, the Company's ability to pay dividends and, in part, its ability to deploy capital is dependent upon the Company receiving dividends from its operating subsidiaries. The Company's operating subsidiaries are subject to regulation in a number of jurisdictions, each of which maintains its own regime for determining the amount of capital that must be held in connection with the different businesses carried on by the operating subsidiaries. The requirements imposed by the regulators in any jurisdiction may change from time to time, and thereby impact the ability of the operating subsidiaries to pay dividends to the Company.

<sup>2</sup> Refer to note 8(ii) in the Company's December 31, 2022 annual consolidated financial statements for on-balance sheet amounts.

## **Cash Flows**

	For the three months ended December 31			Fo	For the twelve months en December 31			
		2022		2021		2022		2021
Cash flows relating to the following activities:								
Operations	\$	1,495	\$	1,829	\$	7,047	\$	10,373
Financing		35		(425)		(620)		(992)
Investment		(2,889)		(2,201)		(5,493)		(11,212)
		(1,359)		(797)		934		(1,831)
Effects of changes in exchange rates on cash and cash equivalents		13		(18)		281		(40)
Increase (decrease) in cash and cash equivalents in the period		(1,346)		(815)		1,215		(1,871)
Cash and cash equivalents, beginning of period		8,636		6,890		6,075		7,946
Cash and cash equivalents, end of period	\$	7,290	\$	6,075	\$	7,290	\$	6,075

The principal source of funds for the Company on a consolidated basis is cash provided by operating activities, including premium income, net investment income and fee income. These funds are used primarily to pay policy benefits, policyholder dividends and claims, as well as operating expenses and commissions. Cash flows generated by operations are mainly invested to support future liability cash requirements. Cash flows related to financing activities include the issuance and repayment of capital instruments and associated dividends and interest payments.

In the fourth quarter of 2022, cash and cash equivalents decreased by \$1.3 billion from September 30, 2022. Cash flows provided by operations during the fourth quarter of 2022 were \$1.5 billion, a decrease of \$0.3 billion compared to the fourth quarter of 2021. Cash flows provided by financing were nil as the issuance of the euro-denominated debt of \$0.7 billion was offset by the payment of dividends to common and preferred shareholders of \$0.5 billion as well as a net decrease in the line of credit of a subsidiary of \$0.2 billion. For the three months ended December 31, 2022, cash flows were used by the Company to acquire an additional \$2.9 billion of investment assets.

For the twelve months ended December 31, 2022, cash and cash equivalents increased by \$1.2 billion from December 31, 2021. Cash flows provided by operations were \$7.0 billion, a decrease of \$3.3 billion compared to the same period in 2021. Cash flows used in financing of \$0.6 billion were primarily used for the payment of dividends to common and preferred shareholders of \$2.0 billion, partially offset by the issue of euro-denominated debt discussed for the in-quarter period and a net increase in the line of credit of a subsidiary of \$0.6 billion. For the twelve months ended December 31, 2022, cash flows were used by the Company to acquire an additional \$5.5 billion of investment assets.

## **Commitments/Contractual Obligations**

						Pa	yments	due by peri	od											
At December 31, 2022		Total		1 year	2	years	3	years	4	years	5	years		Over years						
1) Debentures and other debt instruments	\$	9,544	\$	725	\$	-	\$	675	\$	725	\$	540	\$	6,879						
2) Lease obligations		634		79		72		62		56		55		310						
3) Purchase obligations		537		184		108		79		55		47		64						
4) Credit-related arrangements																				
(a) Contractual commitments		5,336		5,245		84		-		-		-		7						
(b) Letters of credit	see	note 4(b)	below																	
5) Pension contributions		315		315		-		-		_		_		-						
Total contractual obligations	\$	16,366	\$	6,548	\$	264	\$	816	\$	836	\$	642	\$	7,260						

- 1) Refer to note 15 in the Company's December 31, 2022 annual consolidated financial statements. Excluded from debentures and other debt instruments are unamortized transaction costs.
- 2) For a further description of the Company's lease obligations, refer to note 17 in the Company's December 31, 2022 annual consolidated financial statements.
- 3) Purchase obligations are commitments to acquire goods and services, essentially related to information services.
- 4) (a) Contractual commitments are essentially 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.
  - (b) Letters of credit (LC) are written commitments provided by a bank. The total amount of LC facilities is US\$1,913 million of which US\$1,497 million were issued as of December 31, 2022.
  - The Reinsurance business unit periodically uses LC as collateral under certain reinsurance contracts for on-balance sheet policy liabilities. The Company may be required to seek collateral alternatives if it is unable to renew existing LCs on maturity.
  - A total of US\$1,116 million has been issued to subsidiaries or branches of Canada Life and the additional US\$70 million has been issued to Great-West Life & Annuity Insurance Company of South Carolina.
  - The remaining US\$311 million has been issued to external parties. Clients residing in the United States are required pursuant to their insurance laws to obtain LCs issued on the Company's behalf from approved banks in order to further secure the Company's obligations under certain reinsurance contracts.
- 5) Pension contributions include funding estimates for defined benefit pension plans, defined contribution pension plans and other post-employment plans. These contributions are subject to change, as contribution decisions are affected by many factors including market performance, regulatory requirements and management's ability to change funding policy. Funding estimates beyond 2023 are excluded due to the significant variability in the assumptions required to project the timing of future contributions.

## **Capital Management and Adequacy**

The Board of Directors reviews and approves an annual capital plan as well as capital transactions undertaken by management pursuant to the plan. The capital plan is designed to ensure that the Company maintains adequate capital, taking into account the Company's strategy, risk profile and business 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. In addition to undertaking capital transactions, the Company uses and provides traditional and structured reinsurance to support capital and risk management.

At the holding company level, the Company monitors the amount of consolidated capital available and the amounts deployed in its various operating subsidiaries. The amount of capital deployed in any particular company or country is dependent upon local regulatory requirements as well as the Company's internal assessment of capital requirements in the context of its operational risks and requirements and strategic plans. The Company's practice is 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. The capitalization decisions of the Company and its operating subsidiaries also give consideration to the impact such actions may have on the opinions expressed by various credit rating agencies that provide financial strength and other ratings to the Company.

In Canada, OSFI has established a regulatory capital adequacy measurement for life insurance companies incorporated under the Insurance Companies Act (Canada) and their subsidiaries, known as the Life Insurance Capital Adequacy Test (LICAT). The LICAT Ratio is calculated in accordance with the OSFI Guideline - Life Insurance Capital Adequacy Test.

The LICAT Ratio compares the regulatory capital resources of a company to its required capital. The required capital is calibrated so that a life insurer can both withstand severe stress events and support the continuity of existing business. The LICAT guideline uses a risk-based approach for measuring specific life insurer risks and for aggregating the results to calculate the amount of a life insurer's capital requirements.

OSFI has established a Supervisory Target Total Ratio of 100% and a Supervisory Minimum Total Ratio of 90%. The Internal Target LICAT Ratio for Canada Life is now being expressed as a specific percentage rather than a range. The updated Internal Target is 115% which is the midpoint of the prior target range (110-120%).

Canada Life's consolidated LICAT Ratio at December 31, 2022 was 120% (124% at December 31, 2021). The LICAT Ratio does not take into account any impact from \$1.0 billion of liquidity at the Lifeco holding company level at December 31, 2022 (\$0.6 billion at December 31, 2021). The following provides a summary of the LICAT information and ratios for Canada Life:

#### **LICAT Ratio**

	Dec	ember	nber 31	
	2022		2021	
Tier 1 Capital	\$ 13,201	\$	12,584	
Tier 2 Capital	4,644		4,417	
Total Available Capital	17,845	_	17,001	
Surplus Allowance & Eligible Deposits	10,531		13,225	
Total Capital Resources	\$ 28,376	\$	30,226	
Required Capital	\$ 23,582	\$	24,323	
Total Ratio (OSFI Supervisory Target = 100%) <sup>1</sup>	120%		124%	

<sup>1</sup> Total Ratio (%) = (Total Capital Resources / Required Capital)

The LICAT Ratio decreased four points in the year. This was caused by materially increased interest rates during the year which caused the Surplus Allowance element of LICAT Total Capital Resources to decrease. The contribution of earnings less dividends and decreased capital requirements from the ongoing phasing in of the LICAT interest rate scenario shift in North America offset part of the ratio decrease.

The LICAT Ratio increased by two points in the quarter from 118% at September 30, 2022 to 120% at December 31, 2022. The main drivers of the increase were the impact of earnings less dividends and decreased capital requirements from the ongoing phasing in of the LICAT interest rate scenario shift in North America. Currency movements in quarter also had a positive impact on the ratio. The increase was partially offset by both capital requirement increases from business activity and the impact of interest rate movements on capital requirements and capital resources.

Empower, Lifeco's regulated U.S. operating company, has established an internal target Risk-Based Capital (RBC) ratio of 400-425% of the Company Action Level set by the National Association of Insurance Commissioners, based upon an assessment of the risks within its businesses as well as business needs to support future growth. Accordingly, Empower's target RBC ratio may change as future risks and business needs change. Empower reports its RBC ratio annually to U.S. Insurance Regulators. The RBC ratio is included for information only and is not intended as a means to rank insurers generally or for any other purposes. At December 31, 2022, Empower's RBC ratio is estimated to be in excess of 400%.

### LICAT Interest Rate Scenario Shift

The LICAT interest rate risk capital requirements are based on the results of the most adverse of four scenarios. The determination of the most adverse scenario is dependent on government treasury rates and credit spreads, as well as the position of the Company's assets and liabilities. A shift in the interest rate scenario applied in the LICAT calculation can result in a discontinuity where capital requirements can change materially. OSFI prescribes a calculation to smooth potential volatility in the interest rate risk capital requirement for participating insurance products. The smoothing calculation averages the participating interest rate risk capital requirements over the trailing six quarters, thereby reducing unwarranted volatility.

The Company last experienced a shift in the interest rate scenario in North America during the fourth quarter of 2021. As a result of the scenario change, a smoothing of the impact of reduced requirements for participating interest rate risk will conclude next quarter. Assuming the Company remains on the current scenario, the smoothing calculation is expected to increase the Canada Life LICAT Ratio by approximately one point next quarter, when the scenario shift is fully incorporated into results.

### **LICAT Sensitivities**

#### **Caution Related to Sensitivities**

This section includes estimates of Canada Life consolidated LICAT Ratio sensitivities for certain risks. Actual results can differ significantly from these estimates for a variety of reasons including:

- $\bullet \ \ Assessment of the circumstances that led to the scenario may lead to changes in (re) investment approaches and interest rate scenarios considered;$
- 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. Given the nature of these calculations, the Company cannot provide assurance that the actual impact on the Canada Life consolidated LICAT Ratio will be as indicated.

LICAT sensitivities are rounded to the nearest full point, are prepared on an IFRS 4 basis and may change under IFRS 17 and the LICAT 2023 OSFI Guideline which comes into effect during the first quarter of 2023.

## **Publicly Traded Common Stocks**

The following table sets out the estimated immediate impact to Canada Life's consolidated LICAT Ratio of certain instantaneous changes in publicly traded common stock values as at December 31, 2022. These sensitivity estimates assume instantaneous shocks, followed by a return to historical average growth levels for broader equity markets. The sensitivity estimates relate to publicly traded common stocks and do not cover other non-fixed income assets. These estimates are illustrative as actual equity exposures may vary due to active management of the public stock portfolios.

## Immediate change in publicly traded common stock values

		December 31, 2022				
	20% increase	10% increase	10% decrease	20% decrease		
Potential increase (decrease) on LICAT Ratio	0 point	0 point	(1 point)	(3 points)		

### **Interest Rates**

Canada Life's consolidated LICAT Ratio will generally reduce in an environment of rising interest rates and benefit from declining rates. Higher interest rates will decrease the fair value of the Company's surplus assets and other regulatory capital resources including actuarial margins within the Surplus Allowance. However, LICAT uses static interest rates for the calculation of insurance risk capital requirements, and hence these capital requirements do not change with interest rate movements. This means that while rising interest rates are generally favourable for the Company, they will lead to a decrease in the calculated LICAT ratio.

The sensitivity estimates shown here are illustrative. The impacts shown are based on a parallel shift in the interest rate yield curve. Actual movement in credit spreads or government treasury rates may produce different movements in Canada Life's consolidated LICAT Ratio. Sensitivity to interest rates is dependent on many factors and may result in non-linear impacts to the LICAT Ratio. These sensitivities do not include a change in the ultimate interest rates outlined in Actuarial Standards or the impact of a LICAT interest rate risk scenario shift.

## Immediate parallel shift in yield curve

	50 bps increase	r 31, 2022	
		50 bps decrease	
Potential increase (decrease) on LICAT Ratio	(2 points)	2 points	

## **OSFI Regulatory Capital Initiatives**

The International Accounting Standards Board (IASB) has issued IFRS 17, which replaced IFRS 4 effective January 1, 2023. Refer to the "Developments - Update on Transition to IFRS 17 and IFRS 9" and "Accounting Policies - International Financial Reporting Standards" sections of this document for further details.

OSFI has released the 2023 LICAT Guideline, as amended for reporting under IFRS 17. The Company will first report under this guideline for the March 31, 2023 reporting period. Under current market and economic conditions, the Company expects a positive impact of approximately 10 points to the ratio.

OSFI is developing a new approach, to be implemented in 2025, to determine capital requirements for Segregated Fund Guarantee Risk. The Company will continue to participate in future public consultations relating to these developments.

# Return On Equity (ROE) <sup>1</sup>

	Dec. 31	Sept. 30	Dec. 31
Base Return on Equity <sup>2</sup>	2022	2022	2021
Canada	15.0%	15.4%	17.2%
U.S. Financial Services	10.9%	10.3%	12.2%
U.S. Asset Management (Putnam)	(2.9)%	0.8%	5.3%
Europe	16.7%	16.0%	14.6%
Capital and Risk Solutions	25.0%	25.3%	33.7%
Total Lifeco Base Earnings Basis <sup>2</sup>	13.6%	13.5%	14.6%
	Dec. 31	Sept. 30	Dec. 31
Return on Equity <sup>1</sup>	2022	2022	2021
Canada	14.6%	13.7%	16.7%
U.S. Financial Services	7.9%	6.4%	8.7%
U.S. Asset Management (Putnam)	(2.9)%	0.8%	5.0%
Europe	18.5%	17.3%	17.2%
Capital and Risk Solutions	31.2%	30.1%	32.8%
Total Lifeco Net Earnings Basis <sup>1</sup>	13.6%	12.7%	14.0%

 $<sup>1\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

<sup>2</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details

The Company reported base return on equity of 13.6% at December 31, 2022, compared to 13.5% at September 30, 2022 and 14.6% at December 31, 2021. The Company reported return on equity of 13.6% at December 31, 2022, compared to 12.7% at September 30, 2022 and 14.0% at December 31, 2021.

The Company has a capital allocation methodology, which allocates financing costs in proportion to allocated capital. For the Canada, Europe and Capital and Risk Solutions segments (essentially Canada Life), this allocation method generally tracks the regulatory capital requirements, while for U.S. Financial Services and U.S. Asset Management (Putnam), it tracks the financial statement carrying value of the business units. Total leverage capital is consistently allocated across all business units in proportion to total capital resulting in a debt-to-equity ratio in each business unit consistent with the consolidated Company.

## **Ratings**

Lifeco maintains ratings from five independent ratings companies. Credit ratings <sup>1</sup> are intended to provide investors with an independent measure of the credit quality of a corporation and securities of a corporation and are indicators of the likelihood of payment and the capacity of a corporation to meet its obligations in accordance with the terms of each obligation.

In 2022, the existing credit ratings for Lifeco and its major operating subsidiaries were unchanged <sup>1</sup>. The Company continued to receive strong ratings relative to its North American peer group resulting from its conservative risk profile, stable net earnings and strong capitalization.

Lifeco's operating companies are assigned a group rating from each rating agency. This group rating is predominantly supported by the Company's leading position in the Canadian insurance market and competitive positions in the U.S. and European markets. Each of Lifeco's operating companies benefit from the strong implicit financial support and collective ownership by Lifeco. There were no changes to the Company's group credit ratings in 2022.

Rating agency	Measurement	Lifeco	Canada Life	Irish Life	Empower
A.M. Best Company	Financial Strength		A+		A+
DBRS Morningstar	Issuer Rating	A (high)	AA		
	Financial Strength		AA		NR
	Senior Debt	A (high)			
	Subordinated Debt	A (low)	AA (low)		
Fitch Ratings	Insurer Financial Strength		AA	AA	AA
	Senior Debt	Α			
	Subordinated Debt	BBB+	A+		
Moody's Investors Service	Insurance Financial Strength		Aa3		Aa3
S&P Global Ratings	Insurer Financial Strength		AA		AA
-	Senior Debt	A+			
	Subordinated Debt	A-	AA-		

# **Segmented Operating Results**

The consolidated operating results of Lifeco, including the comparative figures, are presented on an IFRS basis after capital allocation. Consolidated operating results for Lifeco comprise the net earnings of Canada Life (and its operating subsidiaries), Empower (Financial Services) and Putnam (Asset Management), together with Lifeco's corporate results. The following sections analyze the performance of Lifeco's four major reportable segments: Canada, United States (U.S.), Europe and Capital and Risk Solutions.

## **Translation of Foreign Currency**

For the United States, Europe and Capital and Risk Solutions segments, foreign currency assets and liabilities are translated into Canadian dollars at the market rate at the end of the financial period. All income and expense items are translated at an average rate for the period.

<sup>1</sup> These ratings are not a recommendation to buy, sell or hold the securities of the Company or its subsidiaries and do not address market price or other factors that might determine suitability of a specific security for a particular investor. The ratings also may not reflect the potential impact of all risks on the value of securities and are subject to revision or withdrawal at any time by the rating agency.

## Canada

The Canada segment of Lifeco includes the operating results of the Canadian businesses operated by Canada Life, together with an allocation of a portion of Lifeco's corporate results. There are two primary business units included in this segment. Through the Individual Customer business unit, the Company provides life, disability and critical illness insurance products as well as wealth savings and income products to individual clients. Through the Group Customer business unit, the Company provides life, accidental death and dismemberment, disability, critical illness, health and dental protection, creditor insurance as well as retirement savings and income and annuity products and other specialty products to group clients in Canada.

## **Business Profile**

#### **Individual Customer**

Individual Customer comprises both insurance and wealth management product lines sold to individual customers.

Individual insurance includes individual life, disability and critical illness insurance products and services. Individual wealth management includes individual wealth savings and income products and services. The Company is a leader in Canada for all insurance and wealth management products and services and utilizes diverse, complementary distribution channels: Advisor Solutions, managing general agencies (MGAs) and national accounts, including IG Wealth Management, a member of the Power Corporation of Canada group of companies. Through Financial Horizons Group, the Company participates in the MGA channel, distributing products from across the insurance industry.

By offering this broad suite of products and services through multiple distribution channels, the Company is able to provide advice and product solutions to meet the needs of Canadians at all phases of their lives.

### **Group Customer**

Group Customer includes group life and health benefits, group creditor, and group retirement and investment product lines.

Through its group life and health benefits product lines, the Company offers effective benefit solutions for small, medium and large plan sponsors. The Company offers a wide range of traditional group products and services including life, accidental death and dismemberment, critical illness, disability, health and dental as well as specialty products. In addition, specialty product development, in particular growing the Freedom Experience has been a focus recently as the Company seeks to provide customized solutions to increasingly unique customer needs. The Freedom Experience suite of products allows members to apply for life, health, and critical illness products and maintain this coverage even when leaving their employers. These products also serve to close any group health and wealth gaps that members might experience with their current coverage. Products and programs have also been developed to address the needs of mental health in the workplace, high-cost medications and employee wellness. Traditional group products are generally offered on an insured or an ASO basis, where clients self-insure the products and Group Customer administers on their behalf. With the acquisition of ClaimSecure, Group Customer's ASO capabilities have been significantly enhanced.

The Company's creditor business offers creditor insurance products through large financial institutions and credit card companies. Canada Life is a leader in the creditor insurance business in Canada.

Group retirement and investment product lines include group Registered Retirement Savings Plans (RRSP), Tax-Free Savings Accounts (TFSA), Registered Education Savings Plans (RESP), group retirement income products and institutional investment services. The Company is focused on innovation within its savings and investment product lines.

Through the Company's extensive network of group sales offices located across the country, it distributes its products through brokers, consultants and financial security advisors.

## **Market Overview**

### **Products and Services**

#### **Individual Customer**

The Company provides an array of individual insurance and individual wealth management products that are distributed through multiple sales channels.

#### **Market Position**

- A leader in individual life insurance sales measured by new annualized premium with 15.8% market share<sup>1</sup>
- A significant provider of individual disability and critical illness insurance with 12.7% market share of new sales<sup>1</sup>
- An industry leader with 26.1% market share of individual segregated fund assets<sup>2</sup>

#### **Products and Services**

# Individual Life Insurance

- Term life
- Universal life
- · Participating life

## Living Benefits

- Disability
- Critical illness

## Individual Wealth Management

- · Savings plans
  - RRSPs
  - · Non-registered savings programs
  - TFSAs
  - RESPs
  - Invested in:
  - · Segregated funds
  - · Mutual funds
  - · Guaranteed investment options
- · Retirement Income Plans
  - · Retirement income funds
  - · Life income funds
  - · Payout annuities
  - · Deferred annuities
- Residential mortgages 6
- · Banking products

## Distribution 3,4

#### **Advisor Solutions**

· 4,329 financial security advisors

## Affiliated Partnerships

- 7,102 independent brokers associated with 31 MGAs  $^{5}$
- 1,240 advisors associated with 12 national accounts
- 1,530 IG Wealth Management consultants who actively sell Canada Life products
- 84 direct brokers and producer groups

### Financial Horizons Group 5

 5,330 independent brokers selling products from across the insurance industry, including Canada Life

### Quadrus Investment Services Ltd.

(also included in Advisor Solutions advisor counts):

• 2,860 investment representatives

- 1 For the nine months ended September 30, 2022.
- 2 As at October 31, 2022.
- 3 As at November 30, 2022.
- 4 Advisor Solutions includes all contracted advisors. Affiliated Partnerships and Financial Horizons Group include advisors who placed new business in 2022.
- 5 Financial Horizons Group advisors that placed Canada Life business in 2022 are also included in the MGA independent broker count.

### **Group Customer**

The Company provides an array of life, health and creditor insurance as well as retirement and investment products that are distributed primarily through Group sales offices across the country.

#### **Market Position**

- Employee benefits to over 28,100 plan sponsors <sup>1</sup>
- · 20% market share for employee benefit plans 2
- Leading market share for creditor products with coverage provided to 6.8 million plan members <sup>1</sup>
- 19% market share of group capital accumulation plans <sup>2</sup>

### **Products and Services**

## **Group Life & Health Benefits**

- Life
- Disability
- · Critical illness
- · Accidental death & dismemberment
- Dental
- · Expatriate coverage
- · Extended health care

#### **Group Creditor**

- Life
- · Disability
- · Job loss
- · Critical illness

## **Group Retirement & Investment Services**

- · Group capital accumulation plans including:
  - Defined contribution pension plans
  - Group RRSPs, RESPs & TFSAs
  - · Deferred profit sharing plans
  - Non-registered savings programs

## Invested in:

- · Segregated funds
- · Guaranteed investment options
- Single company stock
- Retirement income plans
  - Payout annuities
  - · Deferred annuities
  - Retirement income funds
  - Life income funds
- Investment management services only plans; invested in:
  - Segregated funds
  - Guaranteed investment options
  - Securities

### Specialty Products and Services

- Individual health, life and critical illness offered through the Freedom Experience
- Consult+TM
- Teledoc Medical Experts<sup>TM</sup>
- Contact<sup>TM</sup>

#### Distribution

- Group Life and Health Benefits and Group Retirement and Investment Services are distributed through brokers, consultants, third party administrators/payers and financial security advisors. Sales and service support are provided by an integrated team of over 610 employees, located in 22 offices across the country, including 116 account executives.<sup>1</sup>
- Group Creditor products and services are distributed primarily though large financial institutions and serviced through a dedicated sales and service organization.

<sup>1</sup> As at December 31, 2022.

<sup>2</sup> As at December 31, 2021.

## **Competitive Conditions**

### **Individual Customer**

Competition in the Canadian individual insurance market focuses on service, technology, product features, price and financial strength, as indicated by ratings issued by nationally recognized agencies. The Company's broad spectrum of distribution associates, including affiliated and independent channels, provide important strategic advantages within the Canadian market.

The individual wealth management marketplace is also very competitive. The Company's main competitors include mutual fund companies, insurance companies, banks and investment advisors as well as other service and professional organizations. New financial technology (Fintech) competitors have entered the marketplace leading to increased competition. Competition focuses on ease of doing business through technology, service, variety of investment options, investment performance, product features, price (fees) and financial strength. Individual wealth management's broad spectrum of distribution associates, including affiliated and independent channels, provide important strategic advantages within the Canadian market.

### **Group Customer**

The group life and health benefits market in Canada mainly comprises three large group insurance carriers with significant market positions, a number of smaller companies operating nationally and several regional and niche competitors. The Company has a significant market share of 20%, which is supported by an extensive distribution network that has access to a wide range of products and services. This strong market share position is a distinct advantage for competing successfully in the Canadian group insurance market.

The group capital accumulation plan market is also very competitive. Three major insurance companies hold a significant market share while several smaller insurance companies have an important market presence.

The pension risk transfer business continues to grow in the Canadian marketplace as more companies with defined benefit pension plans (open or closed) look to transfer the investment and longevity risk to insurance companies. Providing the market with the capacity to meet this demand, existing companies have increased their presence in the marketplace, including major independent and bank-owned insurance companies with strong balance sheets and new entrants.

## **2022 Developments**

- · The Company's commitment to improved product offering and service experience for clients:
  - On April 4, 2022, Canada Life and ClaimSecure Inc. (ClaimSecure) launched SecurePak, a bundled offering of Canada Life's insurance benefits and ClaimSecure's health and dental claims adjudication services. SecurePak offers plan sponsors the advantage of modernized claims processing through ClaimSecure and the security of Canada Life's pooled products for plans in the small-case market with 25 to 200 plan members.
  - In September 2022, Canada Life launched the option to make Consult+ a "one-stop-shop" virtual care solution with Employee Assistance Program (EAP) and Mental Health Services (MHS) bundled into the base Consult+ offering. Adding EAP and MHS enables a robust combination of physical and mental health services available through one application at a competitive rate.
  - During the fourth quarter of 2022, Canada Life accessed capabilities in Bangalore, India, for the processing of client claims. The expansion leverages existing Empower operations to drive efficiency and adds to our existing Canadian benefits payment back office and resource complement, allowing the Company to process claims for Canadians nearly 24 hours a day, five days a week, to keep pace with customer expectations and deliver an improved experience.
- The Company continued to advance its digital capabilities to serve advisors and clients:
  - Canada Life continues to modernize legacy technology platforms and expand its SimpleProtect digital app features and coverage to improve the advisor and customer experience.
  - The Company has enriched its member sites to allow even earlier access to Canadians. Now, members can register for the MyCanadaLife
    at Work website, and get access to their plan and see information about coverages, even before they are fully eligible for their
    employment benefits.
- On October 1, 2022, Plan Member as Customers was rebranded as Freedom Experience. The Company is leveraging this brand by renaming several direct-to-consumer products distributed by Group Customer with the Freedom Experience brand. A dedicated team will be focused on distributing these products and bringing the Freedom Experience to Canadians.

## **Selected Financial Information - Canada**

		For	the th	ree months er	nded		For the twelve months ended				
		Dec. 31 2022		Sept. 30 2022	Dec. 31 2021		_	Dec. 31 2022		Dec. 31 2021	
Base earnings (loss) 1											
Individual Customer	\$	126	\$	91	\$	140	\$	437	\$	580	
Group Customer		213		178		194		736		705	
Canada Corporate		(44)		14		(17)		(27)		(65)	
Base earnings (loss) 1	\$	295	\$	283	\$	317	\$	1,146	\$	1,220	
Items excluded from base earnings											
Actuarial assumption changes and other management actions 2	\$	2	\$	(120)	\$	(13)	\$	(117)	\$	(43)	
Market-related impacts on liabilities <sup>2</sup>		(1)		(3)		3		3		10	
Tax legislative changes impact		84		-		_		84		_	
Net earnings	\$	380	\$	160	\$	307	\$	1,116	\$	1,187	
Sales <sup>2</sup>											
Individual Insurance	\$	130	\$	93	\$	120	\$	413	\$	421	
Individual Wealth		2,630		1,988		3,274		9,929		11,468	
Group Insurance		138		116		189		610		667	
Group Wealth		1,131		890		1,298		3,687		3,869	
Sales <sup>2</sup>	\$	4,029	\$	3,087	\$	4,881	\$	14,639	\$	16,425	
Wealth Management net cash flows <sup>2</sup>											
Individual Customer	\$	(329)	\$	(756)	\$	332	\$	(1,324)	\$	1,324	
Group Customer		186		203		(509)		1,016		(1,252)	
Wealth Management net cash flows <sup>2</sup>	\$	(143)	\$	(553)	\$	(177)	\$	(308)	\$	72	
Fee and other income											
Individual Customer	\$	278	\$	281	\$	292	\$	1,135	\$	1,138	
Group Customer		207		201		217		822		794	
Canada Corporate		7		8		12		31		59	
Fee and other income	\$	492	\$	490	\$	521	\$	1,988	\$	1,991	
Total assets	\$	195,082	\$	189,196	\$	203,982					
Other assets under management <sup>2,3</sup>	7	4,057	7	3,964	7	5,742					
Total assets under management 1		199,139		193,160		209,724					
Other assets under administration <sup>2,4</sup>		26,344		25,505		29,615					
Total assets under administration 1,4	•	· · · · · · · · · · · · · · · · · · ·	•	218,665	· ·						
ioral assers minet aniministration	3	225,483	Þ	218,000	)	239,339					

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

 $<sup>2\</sup>quad Refer to the "Glossary" section of this document for additional details on the composition of this measure.$ 

 $<sup>3 \</sup>quad \text{At December 31, 2022, proprietary mutual funds excluded $2.9 \ billion in funds accounted for as investments on account of segregated fund policyholders ($2.4 \ billion at December 31, 2021).}$ 

<sup>4 2021</sup> comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration in the Canada segment.

### Base and net earnings

In the fourth quarter of 2022, the Canada segment's net earnings of \$380 million increased by \$73 million compared to the same quarter last year. Base earnings of \$295 million decreased by \$22 million compared to the same quarter last year, primarily due to lower fee income driven by lower assets, less favourable mortality experience as well as lower policyholder behaviour experience in Individual Customer and less favourable investment experience on equity release mortgages. These items were partially offset by changes in certain tax estimates and strong Group long-term disability results driven by effective claims management and disciplined pricing actions.

Items excluded from base earnings were positive \$85 million compared to negative \$10 million for the same quarter last year. The fourth quarter of 2022 included the favourable impact of the revaluation of net deferred tax assets and actuarial liabilities of \$84 million resulting from an increase to the Canadian statutory income tax rate. Actuarial assumption changes and management actions were positive \$2 million compared to negative \$13 million for the same quarter last year. Market-related impacts were negative \$1 million in the fourth quarter of 2022 compared to positive \$3 million in the same quarter last year.

For the twelve months ended December 31, 2022, net earnings decreased by \$71 million to \$1,116 million compared to the same period last year. Base earnings of \$1,146 million decreased by \$74 million compared to the same period last year, primarily due to the same reasons discussed for the in-quarter results.

For the twelve months ended December 31, 2022, items excluded from base earnings were negative \$30 million compared to negative \$33 million for the same period last year. Actuarial assumption changes and management actions were negative \$117 million compared to negative \$43 million for the same period last year, primarily due to updated policyholder behaviour assumptions, partially offset by mortality updates and model refinements in the third quarter of 2022. The twelve months ended December 31, 2022 also included the favourable impact of the revaluation of net deferred tax assets and actuarial liabilities as discussed for the in-quarter results. Market-related impacts were positive \$3 million compared to positive \$10 million for the same period last year.

For the fourth quarter of 2022, net earnings attributable to the participating account were \$9 million compared to a net loss of \$25 million for the same quarter last year, primarily due to more favourable impacts of actuarial assumption changes, partially offset by lower earnings on surplus. For the twelve months ended December 31, 2022, net earnings attributable to the participating account were \$188 million compared to \$304 million for the same period last year, primarily due to lower earnings on surplus and lower impacts of new business.

#### Sales

Sales for the fourth quarter of 2022 of \$4.0 billion decreased by \$0.9 billion compared to the same quarter last year, primarily due to lower individual mutual fund and segregated fund sales. The Company saw fewer opportunities in the group insurance medium and large case markets. For the twelve months ended December 31, 2022, sales decreased by \$1.8 billion to \$14.6 billion compared to the same period last year, primarily due to the same reasons discussed for the in-quarter results.

In the fourth quarter of 2022, wealth management net cash outflows were \$143 million compared to net cash outflows of \$177 million for the same quarter last year. The improvement in net cash outflows was primarily due to strong Group retirement wealth product sales and lower terminations and withdrawals in Group Customer, partially offset by lower segregated fund deposits in Individual Customer.

Net cash outflows for the twelve months ended December 31, 2022 were \$308 million compared to net cash inflows of \$72 million for the same period last year, primarily due to the same reasons discussed for the in-quarter results as well as higher mutual fund withdrawals in Individual Customer, partially offset by the non-recurrence of a large group termination in the third quarter last year.

### Fee and other income

Fee and other income for the fourth quarter of 2022 of \$492 million decreased by \$29 million compared to the same quarter last year. The decrease was primarily due to lower fee income from wealth management businesses as a result of lower asset levels.

For the twelve months ended December 31, 2022, fee and other income decreased by \$3 million to \$1,988 million compared to the same period last year, primarily due to the same reasons discussed for the in-quarter results as well as lower fee income in Canada Corporate as a result of the sale of EverWest Real Estate Investors, LLC and EverWest Advisors, LLC (EverWest) in the fourth quarter of 2021.

## **Outlook**

Refer to Cautionary Note regarding Forward-looking Information and Cautionary Note regarding Non-GAAP Financial Measures and Ratios at the beginning of this document.

### **Individual Customer**

The strong Canada Life brand, prudent business practices, the depth and breadth of its distribution channels and the Company's reputation for strength and stability, positions the Company well for 2023 and beyond.

In 2023, Individual Customer will continue to advance on strategies to position for growth. The Company will further establish the value propositions for advisors in all channels, providing them with strategies and tools for helping customers focus on achieving long-term financial security regardless of life stage and market fluctuations. This commitment to advice is beneficial to strong customer retention as well as helping advisors attract new customers to the Company. In 2022, the Company acquired a majority interest in two distribution firms to continue strengthening its distribution network. Distribution channels will maximize the use of common tools, processes and support, while tailoring support to specific segments of advisors, where appropriate.

The Company will continue to competitively develop, price and market a comprehensive range of individual insurance and individual wealth management products while maintaining its focus on sales and service support to customers and advisors in all channels. The Company will also continue to monitor and respond to the impacts of long-term interest rates and fee income compression.

Operational expense management continues to be critically important to delivering strong financial results. The Company will seek to achieve this through disciplined expense controls and effective development and implementation of strategic initiatives. Management has identified key areas of focus for these initiatives to facilitate the objective of organic growth, including continuing to invest in digital solutions to support advisors and customers and addressing its legacy of administration systems and processes to unlock the potential for future growth.

## **Group Customer**

During 2022, Group Customer delivered strong business results and enhanced its competitive position in the Canadian group market with its acquisition of ClaimSecure and being awarded the Public Service Health Care Plan. Group Customer has leading or strong market share in all case size, regional and benefit market segments. The Company believes that this market share position, together with its distribution capacity, will facilitate continued growth in net premium income.

In 2023, Group Customer will continue to advance its core strategies to drive growth in the business. Group Customer plans to enhance its competitive position in the marketplace by focusing on improving its operational resilience. Group Customer will enhance its productivity as well as customer and employee experience by making further investments in workflow, automation, digital innovation and artificial intelligence. Group Customer also plans to take advantage of being awarded the Public Service Health Care Plan by building additional digital capabilities that will be leveraged by the rest of the business improving efficiency and customer service.

The focus on operational resilience, combined with a strong expense management culture, will be key to delivering strong financial results in 2023 and beyond. While maintaining focus on all areas of the business, Group Customer plans to put increased focus and investment in its disability offering, improving the efficiency and effectiveness of disability operations to support growth and profitability in this business.

Group Customer will also focus on expanding its distribution footprint and offering its member base enhanced products that will be more readily available through the Freedom Experience suite of products. Group Customer plans to capitalize on its recent acquisition of ClaimSecure and leverage newly acquired capabilities to offer an enhanced product shelf as well as to grow in the third party administrator business segment.

## **United States**

The United States segment operating results for Lifeco include the results of Empower Annuity Insurance Company of America (Empower), Putnam Investments (Putnam) and the results of the insurance businesses in the U.S. branch of Canada Life, together with an allocation of a portion of Lifeco's corporate results.

Through its Financial Services business unit, and specifically Empower, the Company helps people with saving, investing and advice through employer sponsored plans and individual product solutions. The Financial Services business unit also includes a retained block of life insurance, predominantly participating policies, which are now administered by Protective Life, as well as a closed retrocession block of life insurance.

Through its Asset Management business unit, and specifically the Putnam brand, the Company provides investment management services and related administrative functions and distribution services, through a broad range of investment products.

## **Business Profile**

### **Financial Services**

Empower offers employer-sponsored defined contribution, defined benefit and non-qualified plans including enrollment services, communication materials, investment options and education services. In addition to employer sponsored products, it offers individual retirement accounts and taxable brokerage accounts to individuals. The Empower Investments brand offers fund management, investment and advisory services. The Empower Institutional brand offers private label recordkeeping and administrative services for other providers of employer-sponsored defined contribution plans. Personal Capital is a hybrid wealth manager that combines a leading-edge digital experience with personalized advice delivered by dedicated advisors.

## **Asset Management**

Putnam provides investment management services and related administrative functions and distribution services. Putnam offers a broad range of investment products, including equity, fixed-income, absolute return and alternative strategies, through Putnam Funds, Putnam Exchange Traded Funds (ETF), Putnam World Trust Funds, institutional portfolios (including hedge fund and other alternative strategies), model-based separately managed accounts (SMAs) and model portfolios. Revenue is derived from the value and composition of assets under management and performance fees as well as service and distribution fees. Accordingly, fluctuations in the financial markets and changes in the composition of assets or accounts affect revenues and results of operations.

### **Market Overview**

### **Products and Services**

The Company provides a focused product offering that is distributed through a variety of channels.

#### **Financial Services**

#### **Market Position**

- Second largest defined contribution service provider in the country<sup>1</sup> by participants providing services for 17.8 million participant accounts and approximately 81,000 plans,<sup>2</sup> with clients in all 50 states, Puerto Rico and Guam
- 25.8% market share in state and local government deferred compensation plans, based on number of participant accounts<sup>3</sup>
- Empower Lifetime Funds are the 16<sup>th</sup> largest target date fund offering in the U.S.<sup>2</sup>

### **Products and Services**

- Employer-sponsored defined contribution, defined benefit and non-qualified plans including enrollment services, communication materials, investment options and education services
- Administrative and recordkeeping services for financial institutions and employer-sponsored defined contribution, defined benefit and non-qualified plans
- Fund management, investment and advisory services
- Individual retirement accounts (IRAs) and taxable brokerage accounts

## Distribution

- Retirement services products distributed to plan sponsors through brokers, consultants, advisors, third-party administrators and banks
- Empower Institutional recordkeeping and administrative services distributed through institutional clients
- IRAs and taxable brokerage accounts available to individuals through the Retirement Solutions Group as well as distributed directly to consumers through Personal Capital

- 1 As at July 21, 2022.
- 2 As at December 31, 2022.
- 3 As at September 30, 2021.

### **Asset Management**

#### **Market Position**

- A global investment manager with assets under management of US\$164.7 billion<sup>1</sup>
- Global distribution includes sales teams that are focused on major institutional markets in the U.S., Europe, the Middle East, Asia and Australia and through a long-standing strategic distribution relationship in Japan

#### **Products and Services**

## **Investment Management Products & Services**

- Individual retail investors a family of openend mutual funds and closed-end funds, a line of actively-managed ETFs, college savings plans, mutual funds underlying variable annuity products, and model-only separately managed accounts and model portfolios for clients of third party financial firms
- Institutional investors defined benefit plans sponsored by corporations, state, municipal and other governmental authorities, university endowment funds, charitable foundations, sovereign wealth funds and collective investment vehicles (both U.S. and non-U.S.)
- Investment offerings for defined contribution plans
- Alternative investment products across the fixed-income and equity groups as well as PanAgora Asset Management Inc., a Putnam subsidiary offering quantitative strategies
- Seven equity model-based separately managed accounts (SMAs) and six multi-asset model portfolios

#### **Administrative Services**

 Transfer agency, underwriting, distribution, shareholder services, and trustee and other fiduciary services

### Distribution

### **Individual Retail Investors**

- A broad network of distribution relationships with unaffiliated broker dealers, financial planners, registered investment advisors and other financial institutions that distribute the Putnam Funds and defined contribution investment only offerings to their customers, which, in total, includes approximately 130,000 advisors<sup>1</sup>
- Sub-advisory relationships and Putnamlabeled funds as investment options for insurance companies and non-U.S. residents
- Retail distribution channels are supported by Putnam's sales and relationship management team
- Retirement plan sponsors and participants are supported by Putnam's dedicated defined contribution investment only professionals and through a relationship with Empower and other recordkeeping firms

#### **Institutional Investors**

 Supported by Putnam's dedicated account management, product management and client service professionals

1 As at December 31, 2022.

## **Competitive Conditions**

### **Financial Services**

The retirement and investment marketplaces are competitive. The Company's competitors include mutual fund companies, insurance companies, banks, investment advisors and certain service and professional organizations. No one competitor or small number of competitors is dominant. Competition focuses on name recognition, service, technology, cost, variety of investment options, investment performance, product features, price and financial strength as indicated by ratings issued by nationally recognized agencies.

#### **Asset Management**

The investment management business is competitive. Putnam competes with other providers of investment products and services, primarily based on the range of investment products offered, investment performance, distribution, scope and quality of shareholder and other services, as well as general reputation in the marketplace. Putnam's investment management business is also influenced by general securities market conditions, government regulations, global economic conditions, as well as advertising and sales promotional efforts. Putnam competes with other mutual fund firms and institutional asset managers that offer investment products similar to Putnam, as well as products that Putnam does not offer. Putnam also competes with a number of mutual fund sponsors that offer their funds directly to the public. Conversely, Putnam generally offers its funds only through intermediaries.

## **2022 Developments**

## **Financial Services Developments**

- · Strategic Transaction Updates
  - In July 2022, Empower initiated a new brand identity, with the name "Empower" replacing "Empower Retirement." The Company believes
    the new public-facing brand name will help to continue to drive business growth as it more accurately reflects its broadening stature and
    rapid growth.
  - On April 1, 2022, Empower completed the acquisition of the full-service retirement services business of Prudential Financial, Inc. (Prudential). With the completion of the acquisition, Empower's reach in the U.S. has expanded to approximately 81,000 workplace savings plans as of December 31, 2022.

The Company funded the total transaction value of US\$3,480 million with US\$1,193 million of limited recourse capital notes and US\$823 million of short-term debt, in addition to existing resources.

Empower anticipates realizing cost synergies through the migration of Prudential's retirement services business onto Empower's recordkeeping platform. Estimated run-rate cost synergies of US\$180 million are expected to be phased in over 24 months primarily when systems migrations are completed. As of December 31, 2022, US\$43 million of pre-tax run rate cost synergies have been achieved. Revenue synergies of US\$20 million are expected on a run-rate basis by the end of 2024 and are expected to grow to US\$50 million by 2026.

Empower expects to incur one-time integration and restructuring expenses of US\$170 million pre-tax related to the Prudential acquisition, US\$18 million pre-tax of which were incurred in the fourth quarter of 2022. The integration is expected to be completed in the first half of 2024.

		For th	tw	r the velve onths nded	exp	otal ensed date		
(in US\$ millions)	Dec. 31 2022		Sept. 30 2022		Dec. 31 2022		Dec. 31 2022	
Restructuring and integration (pre-tax)	\$	18	\$	15	\$	68	\$	68
Restructuring and integration (post-tax)		14		11		51		51
Transaction costs (pre-tax)		_		25		79		86
Transaction costs (post-tax)		-		20		63		69

• The Company completed the integration of MassMutual as of December 31, 2022, and has achieved US\$160 million of final pre-tax run rate cost synergies in line with original expectations. In the fourth quarter of 2022 pre-tax run rate cost synergies increased US\$59 million pre-tax compared to US\$101 million pre-tax as of September 30, 2022. Empower is on track to achieve run rate revenue synergies of US\$30 million pre-tax in 2024 and revenue synergies are expected to continue to grow beyond 2024. To date, the Company has incurred US\$125 million pre-tax of restructuring and integration costs, US\$116 million of which has been expensed, in line with original expectations.

(in US\$ millions)		For th month		tw	r tne velve onths oded	Total expensed to date		
		Dec. 31 2022		pt. 30 2022	Dec. 31 2022		Dec. 31 2022	
Restructuring and integration (pre-tax)	\$	_	\$	25	\$	42	\$	116
Restructuring and integration (post-tax)		-		18		31		87

o The integration of Personal Capital was completed as of December 31, 2022. To date, the Company has incurred US\$57 million pre-tax of restructuring and integration costs, US\$43 million of which has been expensed, in line with original expectations. During the third quarter of 2022, a contingent consideration provision of US\$41 million pre-tax was released, as the growth in assets under management is below the level where further contingent consideration is payable.

(in US\$ millions) Restructuring and integration (pre-tax)	For th		tw	r the relve onths oded	Total expensed to date		
	ec. 31 2022	Sept. 30 2022		Dec. 31 2022		Dec. 31 2022	
	\$ 4	\$	4	\$	17	\$	43
Restructuring and integration (post-tax)	3		3		12		31
Transaction costs (pre-tax)	_		(41)		(41)		61
Transaction costs (post-tax)	-		(39)		(39)		57

- Empower assets under administration (AUA) were US\$1.3 trillion at December 31, 2022, an increase of US\$0.1 trillion compared to December 31, 2021 and an increase of US\$0.1 trillion compared to September 30, 2022. Empower participant accounts have grown to 17.8 million at December 31, 2022, up from 13.0 million at December 31, 2021 and 17.5 million at September 30, 2022. The increases in AUA and participants compared to December 31, 2021 were primarily the result of the Prudential acquisition. The increase in AUA compared to September 30, 2022 was primarily due to an increase in equity markets.
- During 2022, the Company received the following awards and rankings:
  - In January 2022, Empower earned 28 "Best in Class" ratings from its customers in an annual survey from PLANSPONSOR Magazine that gauges employers' satisfaction with their retirement plan providers.
  - Empower was named by the Human Rights Campaign Foundation as "Best Place to Work for LGBTQ+ Equality" for its policies, practices and benefits pertinent to lesbian, gay, bisexual, transgender and queer employees.
  - In October 2022, Empower received the 2022 Service Awards Gold Medal for best participant tools and best reporting from Financial Advisor IQ.

## **Asset Management Developments**

- Putnam's ending assets under management (AUM) at December 31, 2022 of US\$164.7 billion decreased by US\$37.8 billion compared to the same period last year, while average AUM for the twelve months ended December 31, 2022 of US\$176.6 billion decreased by US\$21.6 billion compared to the same period last year.
- Putnam continues to sustain strong investment performance relative to its peers.
  - Putnam ranked 13<sup>th</sup> (out of 49) and sixth (out of 45) for the five-year and ten-year performance, respectively, in the 2021 Barron's Annual Best Fund Families rankings, which were released in the first quarter of 2022.
  - As of December 31, 2022, approximately 73% and 78% of Putnam's fund assets performed at levels above the Lipper median on a three-year and five-year basis, respectively. In addition, 43% and 66% of Putnam's fund assets were in the Lipper top quartile on a three-year and five-year basis, respectively. Putnam has 40 funds currently rated 4 or 5 stars by Morningstar Ratings.
  - In March 2022, Putnam Convertible Securities Fund received a 2022 Refinitiv Lipper Fund Award for its top performance over a five-year period, recognizing the fund's consistently strong risk-adjusted performance relative to its peers in the convertible securities category.
- Putnam expanded its offering of innovative products:
  - During 2022, Putnam made a series of product-related announcements to meet evolving market demand for sustainable investment options including three actively managed, transparent exchange traded funds (ETFs) which were launched in January 2023, the repositioning of Putnam's RetirementReady Funds target-date series as the Putnam Sustainable Retirement Funds, the launching of three active fixed income and two active quantitative equity ETFs with an ESG focus.
  - During the third quarter of 2022, Putnam launched two new transparent and actively managed equity ETFs. The Putnam BDC Income
    ETF is concentrated on business development companies (BDCs) and Putnam BioRevolution ETF is centered on companies operating
    at the intersection of technology and biology. Putnam BDC Income ETF is the first actively managed BDC ETF in the marketplace.

## **Selected Financial Information – United States**

		For	the th	ree months er	nded		For the twelve months ended				
		Dec. 31 2022	Sept. 30 2022		Dec. 31 2021		Dec. 31 2022			Dec. 31 2021	
Base earnings 1	\$	185	\$	204	\$	156	\$	652	\$	671	
Items excluded from base earnings											
Actuarial assumption changes and other management actions 2	\$	_	\$	_	\$	2	\$	_	\$	6	
Market-related impacts on liabilities <sup>2</sup>		9		(22)		(1)		(32)		(5)	
Restructuring and integration costs		(32)		(43)		(15)		(131)		(66)	
Transaction costs related to acquisitions		-		25		(50)		(29)		(107)	
Net earnings – common shareholders	\$	162	\$	164	\$	92	\$	460	\$	499	
Sales <sup>2</sup>	\$	40,278	\$	35,854	\$	40,104	\$	165,268	\$	204,584	
Fee and other income		1,156		1,095		998		4,271		3,880	
Base earnings (US\$) <sup>1</sup>	\$	135	\$	156	\$	125	\$	499	\$	535	
Items excluded from base earnings (US\$)											
Actuarial assumption changes and other management actions <sup>2</sup>	\$	-	\$	-	\$	1	\$	-	\$	5	
Market-related impacts on liabilities 2		7		(18)		(1)		(26)		(3)	
Restructuring and integration costs		(23)		(32)		(12)		(100)		(54)	
Transaction costs related to acquisitions		-		19		(40)		(24)		(86)	
Net earnings – common shareholders (US\$)	\$	119	\$	125	\$	73	\$	349	\$	397	
Sales (US\$) <sup>2</sup>	\$	29,616	\$	27,370	\$	31,829	\$	127,010	\$	162,455	
Fee and other income (US\$)		850		836		792		3,270		3,092	
Total assets (US\$) <sup>3</sup>	\$	230,187	\$	219,580	\$	163,946					
Other assets under management <sup>2,3</sup>	,	205,287		194,513	ŕ	244,829					
Total assets under management 1,3		435,474		414,093		408,775					
Other assets under administration <sup>2,3</sup>		1,056,914		982,770		977,932					
Total assets under administration (US\$) 1,3	\$	1,492,388	\$1	,396,863	\$1	1,386,707					
Total assets under administration (C\$) 1,3	\$	2,014,725	\$1	,927,671	\$1	1,761,118					
	_										

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

 $<sup>2\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

<sup>3</sup> The Prudential acquisition during the second quarter of 2022 added US\$88 billion (C\$119 billion) in total assets, US\$1 billion (C\$1 billion) in other assets under management and US\$197 billion (C\$267 billion) in other assets under administration as at December 31, 2022.

## **Financial Services Operating Results**

	For the three months ended							For the twelve months ended				
		Dec. 31 2022		Sept. 30 2022		Dec. 31 2021	Dec. 31 2022		Dec. 31 2021			
Base earnings 1	\$	206	\$	214	\$	137	\$	710	\$	604		
Items excluded from base earnings												
Actuarial assumption changes and other management actions <sup>2</sup>	\$	-	\$	-	\$	2	\$	-	\$	6		
Market-related impact on liabilities 2		9		(22)		(1)		(32)		(5)		
Restructuring and integration costs		(28)		(22)		(15)		(94)		(55)		
Net earnings – common shareholders	\$	187	\$	170	\$	123	\$	584	\$	550		
Sales <sup>2</sup>	\$	25,923	\$	24,720	\$	22,672	\$	115,112	\$	147,534		
Fee and other income		862		824		673		3,136		2,640		
Base earnings (US\$) 1	\$	151	\$	164	\$	110	\$	544	\$	482		
Items excluded from base earnings (US\$)												
Actuarial assumption changes and other management actions <sup>2</sup>	\$	-	\$	-	\$	1	\$	-	\$	5		
Market-related impact on liabilities 2		7		(18)		(1)		(26)		(3)		
Restructuring and integration costs		(20)		(16)		(12)		(72)		(44)		
Net earnings – common shareholders (US\$)	\$	138	\$	130	\$	98	\$	446	\$	440		
Sales (US\$) <sup>2</sup>	\$	19,061	\$	18,870	\$	17,994	\$	88,603	\$	117,036		
Fee and other income (US\$)		634		629		534		2,400		2,103		

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

### Base and net earnings

In the fourth quarter of 2022, net earnings of US\$138 million increased by US\$40 million compared to the same quarter last year. Base earnings of US\$151 million increased by US\$41 million compared to the same quarter last year, primarily due to base earnings of US\$47 million related to the Prudential acquisition as well as higher contributions from investment experience. These items were partially offset by lower fee income driven by lower average equity markets and transaction volumes as well as higher expenses driven by business growth.

Items excluded from base earnings of negative US\$13 million were comparable to the same quarter last year as higher restructuring and integration costs related to the Prudential acquisition were offset by positive contributions from hedge ineffectiveness related to Prudential guaranteed lifetime withdrawal benefit products resulting from higher in-quarter equity market levels.

For the twelve months ended December 31, 2022, net earnings increased by US\$6 million to US\$446 million compared to the same period last year. Base earnings of US\$544 million increased by US\$62 million compared to the same period last year, primarily due to base earnings of US\$129 million related to the Prudential acquisition as well as the same reason discussed for the in-quarter results.

Items excluded from base earnings were negative US\$98 million compared to negative US\$42 million in the same period last year. The increase was primarily due to higher restructuring and integration costs related to the Prudential acquisition as well as market volatility resulting in hedge ineffectiveness related to Prudential guaranteed lifetime withdrawal benefit products.

### Sales

Sales in the fourth quarter of 2022 of US\$19.1 billion increased by US\$1.1 billion compared to the same quarter last year. The increase was primarily due to an increase in large plan sales. Large plan sales can be highly variable from period to period and tend to be lower margin; however, contribute to covering fixed overhead costs.

For the twelve months ended December 31, 2022, sales decreased by US\$28.4 billion to US\$88.6 billion compared to the same period last year, primarily due to lower large plan sales. Included in sales for the first quarter of 2021 was one Empower large plan sale relating to a new client with approximately 316,000 participants.

<sup>2</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

## Management's Discussion and Analysis

### Fee and other income

Fee income is derived primarily from assets under management, assets under administration, shareholder servicing fees, administration and recordkeeping services, investment advisory services, investment management fees, performance fees, transfer agency and other service fees, as well as underwriting and distribution fees.

Fee and other income for the fourth quarter of 2022 of US\$634 million increased by US\$100 million compared to the same quarter last year. The increase was primarily due to Prudential related fee income of US\$157 million, partially offset by lower Empower fee income driven by lower average equity markets and lower transaction volumes.

For the twelve months ended December 31, 2022, fee and other income increased by US\$297 million to US\$2,400 million compared to the same period last year, primarily due to Prudential related fee income of US\$463 million, partially offset by the same reasons discussed for the inquarter results.

## Empower - assets under administration (US\$)

	Dece	mber 31
	2022	2021
General account	\$ 73,955	\$ 37,329
Segregated funds	118,445	86,181
Other assets under management 1,2	62,706	65,075
Other assets under administration <sup>3</sup>	1,056,914	977,932
	\$1,312,020	\$1,166,517

<sup>1</sup> At December 31, 2022, other assets under management included US\$19.6 billion in Putnam managed funds (US\$19.6 billion at December 31, 2021) and US\$89 billion in Prudential managed funds (nil at December 31, 2021).

Empower customer account values at December 31, 2022 of US\$1.3 trillion increased by US\$145.5 billion compared with December 31, 2021, primarily due to the Prudential acquisition.

<sup>2 2021</sup> comparative figure has been restated to include Personal Capital assets under management.

<sup>3</sup> At December 31, 2022 other assets under administration included US\$197 billion in Prudential managed funds (nil at December 31, 2021).

## **Asset Management Operating Results**

	For	the thr	ee months en	ded		For the twelve months ended				
	Dec. 31 2022		Sept. 30 2022		Dec. 31 2021	Dec. 31 2022			Dec. 31 2021	
Core net earnings (loss) 1	\$ 2	\$	(17)	\$	25	\$	(23)	\$	92	
Non-core net earnings (loss) 1	(29)		(5)		18		(43)		3	
Net earnings (loss) <sup>2</sup>	\$ (27)	\$	(22)	\$	43	\$	(66)	\$	95	
Sales <sup>3</sup>	\$ 14,355	\$	11,134	\$	17,432	\$	50,156	\$	57,050	
Fee income										
Investment management fees	\$ 196	\$	193	\$	220	\$	792	\$	855	
Performance fees	17		(3)		12		11		15	
Service fees	36		35		37		142		146	
Underwriting & distribution fees	45		46		56		190		224	
Fee income	\$ 294	\$	271	\$	325	\$	1,135	\$	1,240	
Core net earnings (loss) (US\$)¹	\$ 1	\$	(13)	\$	20	\$	(18)	\$	74	
Non-core net earnings (loss) (US\$) <sup>1</sup>	(21)		(4)		15		(32)		2	
Net earnings (loss) (US\$) <sup>2</sup>	\$ (20)	\$	(17)	\$	35	\$	(50)	\$	76	
Sales (US\$) <sup>3</sup>	\$ 10,555	\$	8,500	\$	13,835	\$	38,407	\$	45,419	
Fee income (US\$)										
Investment management fees	\$ 144	\$	147	\$	175	\$	607	\$	682	
Performance fees	13		(2)		9		9		12	
Service fees	26		27		29		108		116	
Underwriting & distribution fees	33		35		45		146		179	
Fee income (US\$)	\$ 216	\$	207	\$	258	\$	870	\$	989	
Core margin (pre-tax) <sup>4</sup>	1.2%		(7.2)%		11.4%		(2.4)%		10.1%	

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

## **Net earnings**

For the Asset Management business unit, there were no differences between net earnings (loss) and base earnings (loss) in the periods presented. The net loss for the fourth quarter of 2022 was US\$20 million compared to net earnings of US\$35 million for the same period last year, primarily due to lower other AUM-based fee income and the unfavourable impact of certain tax items.

The net loss for the twelve months ended December 31, 2022 was US\$50 million compared to net earnings of US\$76 million for the same period last year, primarily due to the same reasons discussed for the in-quarter results.

### Sales

Sales in the fourth quarter of 2022 decreased by US\$3.3 billion to US\$10.6 billion compared to the same quarter last year, primarily due to a decrease in institutional sales of US\$3.7 billion.

For the twelve months ended December 31, 2022, sales decreased by US\$7.0 billion to US\$38.4 billion compared to the same period last year, primarily due to the same reason discussed for the in-quarter results.

<sup>2</sup> For the Asset Management business unit, there were no differences between net earnings (loss) and base earnings (loss) in the periods presented.

<sup>3</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

<sup>4</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details

#### Fee income

Fee income is derived primarily from investment management fees, performance fees, transfer agency and other service fees, as well as underwriting and distribution fees. Generally, fees are earned based on AUM and may depend on financial markets, the relative performance of Putnam's investment products to benchmarks, the number of retail accounts and sales. Performance fees are generated on certain mutual funds and institutional portfolios and are generally based on a rolling 36-month performance period for mutual funds and a 12-month performance period for institutional portfolios. Performance fees on mutual funds are symmetric, and as a result, can be positive or negative.

Fee income for the fourth quarter of 2022 decreased by US\$42 million to US\$216 million compared to the same quarter last year. The decrease was primarily due to lower investment management fees and underwriting and distribution fees driven by lower other AUM as a result of lower equity and fixed income markets. The decrease in underwriting and distribution fees was mostly offset by lower distribution expenses.

For the twelve months ended December 31, 2022, fee income decreased by US\$119 million to US\$870 million compared to the same period last year, primarily for the same reasons as the in-quarter results.

## Other Assets Under Management (AUM) - Putnam (US\$) 1,2

	For	the three months en	ded	For the twelve months ende				
	Dec. 31 2022	Sept. 30 2022	Dec. 31 2021	Dec. 31 2022	Dec. 31 2021			
Beginning other AUM	\$ 157,738	\$ 166,965	\$ 196,887	\$ 202,532	\$ 191,554			
Sales – Mutual funds and ETFs <sup>1</sup>	5,577	4,697	5,206	21,254	22,343			
Redemptions – Mutual funds and ETFs	(7,203)	(5,845)	(6,812)	(27,545)	(26,605)			
Net asset flows – Mutual funds and ETFs <sup>1</sup>	(1,626)	(1,148)	(1,606)	(6,291)	(4,262)			
Sales – Institutional <sup>1</sup>	4,978	3,803	8,629	17,153	23,076			
Redemptions – Institutional	(4,836)	(4,695)	(7,063)	(21,195)	(26,109)			
Net asset flows – Institutional <sup>1</sup>	142	(892)	1,566	(4,042)	(3,033)			
Net asset flows – Total <sup>1</sup>	(1,484)	(2,040)	(40)	(10,333)	(7,295)			
Impact of market/performance	8,458	(7,187)	5,685	(27,487)	18,273			
Ending other AUM <sup>3</sup>	\$ 164,712	\$ 157,738	\$ 202,532	\$ 164,712	\$ 202,532			
Average AUM <sup>1</sup>								
Mutual funds and ETFs	79,219	82,029	98,425	84,741	97,155			
Institutional assets	85,771	87,854	102,090	91,813	100,968			
Total average other AUM <sup>1</sup>	\$ 164,990	\$ 169,883	\$ 200,515	\$ 176,554	\$ 198,123			

 $<sup>1\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

Putnam's average other AUM for the three months ended December 31, 2022 were US\$165.0 billion, a decrease of US\$35.5 billion or 18% compared to the same quarter last year, primarily due to the cumulative impact of lower equity and fixed income markets as well as net outflows. In-quarter mutual fund net asset outflows of US\$1.6 billion were comparable with the same quarter last year while institutional net asset inflows were US\$1.4 billion lower.

Average other AUM for the twelve months ended December 31, 2022 decreased by US\$21.6 billion to US\$176.6 billion compared to the same period last year, for the same reason as the in-quarter results. Net asset outflows for the twelve months ended December 31, 2022 were US\$10.3 billion compared to US\$7.3 billion for the same period last year.

<sup>2</sup> Other assets under management excluded U\$\$1,061 million at December 31, 2022 in assets for which Putnam provides investment recommendations, but has no control over implementation of investment decisions and no trading authority, including model portfolios and model-only separately managed accounts, and Putnam-designed custom indices that serve as the reference benchmark for third-party insurance investment products (U\$\$836 million at September 30, 2022 and U\$\$412 million at December 31, 2021).

<sup>3</sup> At December 31, 2022, ending other AUM included US\$22.1 billion of assets managed for other business units within the Lifeco group of companies (US\$20.4 billion at September 30, 2022 and US\$22.8 billion at December 31, 2021).

## **United States Corporate Operating Results**

U.S. Corporate consists of items not associated directly with or allocated to the United States business units, including the impact of certain non-continuing items related to the U.S. segment.

	For the three months ended						For the twelve months ended				
		Dec. 31 2022		Sept. 30 2022		ec. 31 2021	Dec. 31 2022		Dec. 31 2021		
Base earnings (loss) <sup>1</sup>	\$	6	\$	12	\$	(24)	\$	8	\$	(28)	
Items excluded from base earnings (loss)											
Transaction costs related to acquisitions	\$	-	\$	25	\$	(50)	\$	(29)	\$	(107)	
Restructuring and integration costs		(4)		(21)		_		(37)		(11)	
Net earnings (loss) – common shareholders	\$	2	\$	16	\$	(74)	\$	(58)	\$	(146)	
Base earnings (loss) (US\$)¹	\$	4	\$	9	\$	(20)	\$	5	\$	(23)	
Items excluded from base earnings (loss) (US\$)											
Transaction costs related to acquisitions	\$	_	\$	19	\$	(40)	\$	(24)	\$	(86)	
Restructuring and integration costs		(3)		(16)		_		(28)		(10)	
Net earnings (loss) – common shareholders (US\$)	\$	1	\$	12	\$	(60)	\$	(47)	\$	(119)	

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

### **Net earnings**

In the fourth quarter of 2022, net earnings were US\$1 million compared to a net loss of US\$60 million for the same period in the same quarter last year, primarily due to lower transaction costs and the impact of changes in certain tax estimates. The fourth quarter of 2021 included US\$39 million of additional contingent consideration expense related to the acquisition of Personal Capital.

For the twelve months ended December 31, 2022, the net loss decreased by US\$72 million to US\$47 million compared to the same period last year. The decrease was primarily due to the impact of certain tax items as well as lower transaction costs, which were driven by a contingent consideration provision release of US\$39 million related to Personal Capital in the third quarter of 2022. The twelve months ended December 31, 2021 included US\$76 million of additional contingent consideration expense related to the acquisition of Personal Capital. These items were partially offset by higher restructuring and integration costs related to the Prudential and MassMutual acquisitions.

## **Outlook**

Refer to Cautionary Note regarding Forward-looking Information and Cautionary Note regarding Non-GAAP Financial Measures and Ratios at the beginning of this document.

### **Financial Services**

Empower is positioned for significant growth opportunities with expertise and diversification across all plan types, company sizes and market segments. The acquisition of the full-service retirement business of Prudential in the first half of 2022 added significant expertise, a broader set of capabilities and an expanded product portfolio to Empower. Additionally, the acquisition further solidifies Empower's position as the second largest player in the U.S. retirement market. The Financial Services business unit continues to examine opportunities to structure products and develop strategies to stimulate growth in AUM.

In 2023, Empower's strategies to drive sales growth will continue to include active marketing of the brand, investing in product differentiation and offering a best-in-class service model. In 2022, the integrations of Personal Capital and MassMutual were completed in the second half of the year. The Company realized further cost synergies related to the migration of MassMutual's retirement services business onto Empower's recordkeeping platform throughout 2022, while also beginning to realize cost synergies related to the migration of Prudential's retirement services business in the second half of 2022. Additional cost synergies related to Prudential are anticipated to be realized throughout 2023 and the first half of 2024.

In addition to those business integrations, it is expected that continued investments in improving customer web experience, including adding innovative capabilities and ease of service products, will be made in 2023. These efforts are expected to increase customer retention and ultimately increase participant retirement savings. Leveraging new capabilities from the acquisition of Personal Capital will allow Empower to continue to better integrate Prudential's existing business of helping customers better understand their current financial needs through financial advice and goal setting.

## **Asset Management**

Putnam remains committed to providing strong, long-term risk-adjusted investment performance across asset classes for its clients and investors in the mutual fund, institutional and retirement marketplaces.

Putnam continues to focus efforts on driving growth and market share through new sales and asset retention in all of its businesses, including Global Institutional, PanAgora (Putnam's quantitative institutional manager), U.S. Retail and Defined Contribution Investment Only, while maintaining its industry recognized reputation for service excellence.

Innovation will remain a key differentiator in 2023 as Putnam further develops and refines its product offerings, service features and operational functions, while seeking to bolster its corporate and brand image in the marketplace. As a cloud-first company, Putnam continues to increasingly utilize digital technology across its business to drive greater efficiencies and create opportunities.

Putnam is also focused on managing firm-wide expenses as it seeks to further build a scalable and profitable asset management franchise.

## **Europe**

The Europe segment is comprised of three distinct business units serving customers in the U.K., Ireland and Germany and offers protection and wealth management products, including payout annuity products. The U.K. and Germany business units operate under the Canada Life brand and the Ireland business unit operates under the Irish Life brand.

## **Business Profile**

## **United Kingdom**

The core products offered by the U.K. business unit are bulk and individual payout annuities, equity release mortgages, investments (including life bonds, retirement drawdown and pension), and group insurance. These products are distributed through independent financial advisors and employee benefit consultants in the U.K. and by companies in the Isle of Man selling into the U.K. Canada Life Management (CLAM) is the U.K.'s fund management company managing a broad range of assets on behalf of the U.K. businesses and companies in the Lifeco group.

### **Ireland**

The core products offered by Irish Life in Ireland are savings and investments, individual and group life insurance, health insurance and pension products. These products are distributed through independent brokers, a direct sales force and tied agent bank branches. Irish Life Health offers individual and corporate health plans, distributed through independent brokers and direct channels. Irish Life Investment Managers (ILIM) is one of the Company's fund management operations in Ireland. In addition to managing assets on behalf of companies in the Lifeco group, ILIM also manages assets for a wide range of institutional clients including pension schemes, insurance companies, wealth managers, fiduciary managers and sovereign wealth funds across Europe and North America. Setanta Asset Management, a subsidiary of the Company, manages assets for third-party institutional clients and a number of companies in the Lifeco group. The Company also owns a number of leading employee benefits and wealth consultancy businesses in Ireland, serving over 300,000 customers.

## Germany

The core products offered by the Germany business unit are individual and group pensions and life insurance products. These products are distributed through independent brokers and multi-tied agents.

## **Market Overview**

## **Products and Services**

## Europe

### **Market Position**

### U.K.

- · Group life market share 23%1
- Group income protection market share 14% <sup>1</sup>
- Payout annuities market share 20% (Advisor only)<sup>2</sup>
- A market leading international life company selling into the U.K. market with over 23% market share<sup>3</sup>
- Among the top three in the onshore unitlinked single premium bond market, with 9% market share (Advisor only)<sup>3</sup>
- A leading company in the equity release market with 18% market share<sup>4</sup>

#### Ireland

- Life assurance market share 38% 5
- ILIM is one of the largest institutional fund managers in Ireland with €93 billion assets under management<sup>6</sup>
- • Third largest health insurance business through Irish Life Health with a market share of  $21\%^5$

### Germany

4% share of the broker market<sup>6</sup>

### **Products and Services**

#### U.K.

- · Individual and bulk payout annuities
- · Fixed term annuities
- Individual savings and investments (retirement drawdown & pension, onshore & international bonds and collective investment funds)
- · Group and individual life insurance
- Group income protection (disability)
- · Group and individual critical illness
- · Equity release mortgages

#### Ireland

- · Individual and group risk & pensions
- Individual and bulk payout annuities
- · Health insurance
- · Wealth management services
- · Individual savings and investment
- · Institutional investment management

#### Germany

- Pensions
- Income protection (disability)
- Critical illness
- Variable annuities (GMWB)
- Individual life insurance

#### Distribution

### U.K.

- · Financial advisors
- · Private banks
- Employee benefit consultants

#### Iroland

- · Independent brokers
- · Pensions and investment consultants
- Direct sales force made up of primarily self employed tied agents and a smaller employed sales team
- · Tied bank branch distribution
- · Direct digital and contact centre

#### Germany

- · Independent brokers
- Multi-tied agents

- 5 As at September 30, 2022.
- 6 As at December 31, 2022.

<sup>1</sup> As at December 31, 2021.

<sup>2</sup> Market share based on third quarter 2022 data through financial advisors, restricted whole market advisors and non-advised distributor.

<sup>3</sup> Market share position is based on sales for the twelve month period ended September 30, 2022.

<sup>4</sup> Equity Release Council market statistics for the fourth quarter of 2021 to the third quarter of 2022.

## **Competitive Conditions**

### **United Kingdom**

In the U.K., the Company has strong market positions for payout annuities, wealth management and group risk, where it is a market leader. Combined sales from the onshore and international wealth management businesses puts Canada Life as one of the top investment bond providers in the U.K.

For individual annuities, the Company has benefited in recent years from an increase in the proportion of customers seeking the best price in the open market, increasing the proportion of customers buying annuities through financial advisors, which are the Company's primary distribution channel. The Company continues to offer both standard and enhanced annuities as well as investment based pension and drawdown products for customers wanting to take advantage of pension flexibility. The Company is well positioned for further growth in the retirement retail market, supported by its equity release mortgage expertise, which is an important part of the retirement market. Adverse financial market conditions in the U.K. led to a temporary suspension of equity release mortgage applications in late September of 2022. These applications recommenced in November of 2022. The Company also offers bulk annuities aimed at trustees of defined benefits plans who want to insure pension annuities in payment. This is a large and growing market and demand from trustees remains strong as they consider ways to reduce risk. With considerable expertise and experience in longevity and investment products, the Company is well placed in the bulk annuity market.

In November of 2022, the Company announced its exit from the U.K.'s individual protection market to refocus on the group protection and international protection markets. Future estate planning continues to be an area of focus for U.K. advisors and Canada Life International remains one of the leading companies in this sector of the market.

Canada Life Asset Management (CLAM) is based in the U.K. with approximately £37 billion of assets under management, as at December 31, 2022. CLAM's core fund management solutions include a broad asset sourcing capability that supports its institutional client mandates, bulk annuity and reinsurance customers and retail collective funds. CLAM distributes its products through a network of platforms, discretionary fund managers and financial advisors.

#### Ireland

The Company is the largest life assurance company in Ireland with a market share of 38% as at September 30, 2022. Irish Life follows a multichannel distribution strategy with a large broker distribution network, the largest direct sales force and the largest Bancassurance distribution network where it has tied relationships with five banks. Two of the smaller banks are currently in the process of winding down their Irish operations and will formally exit from the Irish market in 2023.

ILIM is one of Ireland's largest institutional fund managers with approximately €93 billion of assets under management, as at December 31, 2022. ILIM continues to expand its real estate offerings, broaden its ESG capabilities, evolve its asset and liability management and focus on bulk annuity services to large defined benefit pension schemes.

Setanta Asset Management had approximately €13 billion of assets under management as at December 31, 2022.

Irish Life Health has a top three position in the Irish market and provides access to healthcare through its health insurance plans, offering preventative health benefits through a combination of innovative digital and in-person services.

The intermediary division of Irish Life provides employee benefits and wealth consultancy to individuals and companies in Ireland through a number of specialist intermediary firms.

### Germany

The Company has a leading position among providers of low guarantee unitized products to the German independent intermediary market. The move of insurance companies from traditional German insurance products with guarantees to the unitized lighter guarantee product categories that Canada Life offers continues, increasing the level of competition. The Company has enhanced its ongoing product, technology and service improvements to help strengthen its position in the competitive German market.

## **2022 Developments**

- The Company continued to advance its digital capabilities to serve advisors and clients:
  - During the first quarter of 2022, Canada Life U.K. announced the launch of its redesigned Home Finance Adviser Portal which allows
    advisers streamlined access to obtain quotes, submit applications and track case progress conveniently using the custom-built portal.
     Additionally, the Simplified Platform Programme launched Customer Online Access which marks the successful completion of a major
    commitment the wealth business had made toward key adviser relationships.
  - In the second quarter of 2022, Irish Life invested in a minority shareholding in U.K. based financial technology company Multiply.AI
    (Multiply), enabling Irish Life to design and build compliant digital customer journeys specific to the Irish market.
- The Company's commitment to sustainability were further evidenced:
  - From April 2022, Canada Life U.K.'s Potters Bar and London offices have been supplied with 100% renewable REGO-certified electricity (Renewable Energy Guarantees of Origin), making the carbon emissions from electricity in these offices effectively zero.
  - Canada Life Asset Management supported a regeneration plan in the North of England and agreed to fund the development of two Grade-A office buildings for £75 million.
- The Company expanded its product and service capabilities:
  - In the third quarter of 2022, Irish Life entered into a new partnership with Centric Health Primary Care Limited, a leading Irish primary care provider. The partnership agreement received regulatory approval during the fourth quarter of 2022 with the newly established joint venture named Care Connect.
  - In the third quarter of 2022, Canada Life Asset Management launched the LF Canlife Sterling Short Term Bond Fund which broadens options for investors with short and medium-term cash requirements. The fund aims to provide a stable income by investing in sterling-denominated short-term fixed income and variable rate bonds, including money market instruments.
- Adverse financial market conditions in the U.K. led to a temporary suspension of equity release mortgage applications in late September. Applications recommenced in November with interest rate increases reducing both the total market size and the average case size.
- During the year, the Company received the following rankings:
  - The recent group protection industry survey 'Group Watch 2022' from Swiss Re confirmed Canada Life U.K. as the leading provider by inforce premium, policies and lives insured.
  - Assekurata Assekuranz Rating-Agentur GmbH, a German financial strength rating agency, raised the credit rating of Canada Life Assurance Europe plc, a subsidiary of Canada Life, from AA- to AA, making Canada Life one of the highest rated life insurance companies in Germany.
- Strategic Transactions Update:
  - o In the second quarter of 2021, a 50:50 joint venture agreement was reached by Allied Irish Banks plc (AIB) and Canada Life Irish Holding Company Limited to form a new life assurance company. In the fourth quarter of 2022, the Company incurred transaction costs of \$3 million (\$18 million incurred to date) related to this agreement. In December 2022, the joint venture agreement received authorization in principle from the Central Bank of Ireland.
  - o In Q4 2022, Irish Life completed the portfolio transfer of Ark Life, which was integrated into ILA's Retail division effective October 1, 2022. This follows the purchase of Ark Life on November 1, 2021 by Irish Life Group Limited. During the fourth quarter of 2022, Ark Life Assurance Company dac changed its legal name to Irish Life Ark Dublin dac.

## **Selected Financial Information – Europe**

		For the three months ended						For the twelve months ended					
		Dec. 31 2022	9	Sept. 30 2022	Dec. 31 2021		Dec. 31 2022			Dec. 31 2021			
Base earnings (loss) 1													
United Kingdom	\$	153	\$	105	\$	110	\$	497	\$	366			
Ireland		59		65		67		267		288			
Germany		37		37		41		156		196			
Europe Corporate		(10)		(7)		(5)		(28)		(20)			
Base earnings (loss) 1	\$	239	\$	200	\$	213	\$	892	\$	830			
Items excluded from base earnings													
Actuarial assumption changes and other management actions 2	\$	37	\$	69	\$	46	\$	117	\$	186			
Market-related impacts on liabilities <sup>2</sup>		16		(15)		18		(5)		19			
Transaction costs related to acquisitions		(5)		(5)		(24)		(20)		(24)			
Tax legislative changes impact		_		_		(1.4)		-		(21)			
Net gain/charge on business dispositions						(14)		_		(14)			
Net earnings – common shareholders	\$	287	\$	249	\$	239	\$	984	\$	976			
Sales <sup>2</sup>													
Insurance	\$	887	\$	966	\$	909	\$	3,975	\$	4,202			
Wealth Management		5,551		5,616		5,584		23,305		22,411			
Sales <sup>2</sup>	\$	6,438	\$	6,582	\$	6,493	\$	27,280	\$	26,613			
Wealth and investment only net cash flows <sup>2</sup>													
United Kingdom	\$	190	\$	198	\$	42	\$	827	\$	348			
Ireland		856		309		1,354		3,207		3,085			
Germany		174		170		266		820		925			
Wealth and investment only net cash flows <sup>2</sup>	\$	1,220	\$	677	\$	1,662	\$	4,854	\$	4,358			
Fee and other income													
United Kingdom	\$	40	\$	37	\$	42	\$	166	\$	175			
Ireland		180		174		200		733		772			
Germany		108		101		122		435		468			
Fee and other income	\$	328	\$	312	\$	364	\$	1,334	\$	1,415			
Total assets	\$	179,274	\$	165,283	\$	200,899							
Other assets under management <sup>2</sup>	•	50,539	7	46,749	7	60,480							
Total assets under management <sup>1</sup>		229,813		212,032		261,379							
Other assets under administration <sup>2,3</sup>		11,345		10,640		12,360							
Total assets under administration <sup>2</sup>	\$	241,158	\$	222,672	\$	273,739							
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<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

 $<sup>2\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

<sup>3</sup> At December 31, 2022, other assets under administration excludes \$10.8 billion of assets managed for other business units within the Lifeco group of companies (\$10.0 billion at September 30, 2022 and \$10.8 billion at December 31, 2021).

#### Base and net earnings

In the fourth quarter of 2022, the Europe segment's net earnings of \$287 million increased by \$48 million compared to the same quarter last year. Base earnings of \$239 million increased by \$26 million compared to the same quarter last year, primarily due to favourable investment experience in the U.K. and Ireland as well as favourable longevity experience in the U.K. These items were partially offset by less favourable morbidity experience in Ireland, the unfavourable impact of currency movement, and the non-recurrence of changes to certain tax estimates in the U.K. in the prior year.

Items excluded from base earnings for the fourth quarter of 2022 were positive \$48 million compared to positive \$26 million for the same quarter last year. The increase was primarily due to lower transaction costs, including contingent consideration provisions, related to acquisitions in Ireland and a net charge on business disposition in the prior year. These items were partially offset by lower contributions from actuarial assumption changes and other management actions. Market-related impacts on liabilities were comparable to the same quarter last year as reductions in property market values in the U.K. were mostly offset by favourable impacts on investment guarantee business and positive interest rate impacts in Ireland.

For the twelve months ended December 31, 2022, net earnings increased by \$8 million to \$984 million compared to the same period last year. Base earnings of \$892 million increased by \$62 million compared to the same period last year. The increase was primarily due to favourable investment experience in the U.K. and Ireland, higher fee income and favourable mortality experience in Ireland. The increase was partially offset by unfavourable longevity experience in the U.K., the unfavourable impact of currency movement, and the non-recurrence of a 2021 pension settlement gain in Ireland.

For the twelve months ended December 31, 2022, items excluded from base earnings decreased by \$54 million to \$92 million, primarily due to lower contributions from actuarial assumption changes and other management actions as well as unfavourable market-related impacts driven by the same reasons discussed for the in-quarter results. The twelve months ended December 31, 2021 included unfavourable impacts of tax legislative changes on deferred tax liabilities as well as lower transaction costs, including contingent consideration provisions, related to acquisitions in Ireland, and a net charge on business disposition in Corporate.

#### Sales

Sales for the fourth quarter of 2022 decreased by \$0.1 billion to \$6.4 billion compared to the same quarter last year. Higher fund management and bulk annuity sales in Ireland were more than offset by lower bulk annuity sales in the U.K., lower wealth management sales in Ireland and Germany as well as the impact of currency movement.

For the twelve months ended December 31, 2022, sales increased by \$0.7 billion to \$27.3 billion compared to last year, primarily due to higher fund management sales in Ireland, higher wealth management sales in Ireland and the U.K., growth in equity release mortgage sales in the U.K. as well as bulk annuity sales in Ireland. These items were partially offset by lower bulk annuity sales in the U.K. and lower wealth management sales in Germany and the impact of currency movement.

In the fourth quarter of 2022, wealth and investment only net cash inflows were \$1,220 million compared to net inflows of \$1,662 million for the same quarter last year. The decrease was primarily due to higher fund management outflows in Ireland. For the twelve months ended December 31, 2022, net cash inflows were \$4,854 million compared to \$4,358 million for the same period last year, primarily due to higher wealth management sales in Ireland and the U.K.

#### Fee and other income

Fee and other income for the fourth quarter of 2022 decreased by \$36 million to \$328 million compared to the same quarter last year. The decrease was primarily due to lower management fees on segregated fund assets and other management fees in Ireland and Germany as well as the impact of currency movement.

For the twelve months ended December 31, 2022, fee and other income decreased by \$81 million to \$1,334 million compared to the same period last year. Higher management fees on segregated fund assets and other management fees across all business units were more than offset by the impact of currency movement.

### **Outlook**

Refer to Cautionary Note regarding Forward-looking Information and Cautionary Note regarding Non-GAAP Financial Measures and Ratios at the beginning of this document.

## **United Kingdom**

The retail payout annuities market is expected to show modest growth in the medium to long-term. Some individuals have chosen to remain invested in the market while drawing pension income rather than buying a payout annuity; however, the Company expects that the attractiveness of guaranteed income from annuities will remain a key part of customers' retirement planning in the future. The Company expects the opportunity to grow its payout annuity business in line with the expected growth in the overall retirement market given the higher interest rate environment.

The overall size of the retirement market continues to grow as more employers transition from defined benefit to defined contribution pension plans, with significant growth expected in equity release mortgages, pension consolidation and income drawdown. The Company plans to continue to develop products for individuals who require additional pension flexibility and to further develop its presence in the bulk annuity market where trustees of defined benefit schemes want to remove risk by insuring pension liabilities near to or already in payment.

Canada Life continues to be a key player in the single premium investment bond marketplace. Canada Life plans to continue to develop its presence in both the international and onshore market segments. The Company's distribution strategy for onshore will remain focused on financial advisors. In the international wealth management segment, the outlook is cautiously optimistic, with the majority of the Company's business growth expected to be through discretionary fund management wealth advisors, the retail market and through tax and estate planning products.

The Group protection business remains the market leader and the Company believes that this market share position will facilitate continued growth in premium income. The Company anticipates employment contraction arising from the U.K. economy entering recession, although it does not expect material impacts on earnings due to the offsetting impact of wage inflation.

#### Ireland

Irish Life's vision to be "Ireland's home of Health and Wealth" continues to progress strongly driven by a number of innovation and transformation initiatives across the Irish business unit. The Company also continues to expand its Wealth & Intermediary Division.

The Irish business is accruing benefits from being a collaborative, centrally connected, inquisitive and digitally enabled organization that embraces technology for the benefit of all its stakeholders. In 2022 it has again actively reviewed and amended its strategy to accelerate developments that help its customers and advisers face the challenges presented by the current economic climate. The launch of the MyIrishLife digital portal presents existing and new Irish Life customers a best-in-market view of our services and products.

Irish Life continues to expand its well-being offering in line with the Company's commitment to support its customers, employees and wider community in managing their mental, physical and financial well-being. In 2022, Irish Life Health exceeded 500,000 customers and as a group, its insurance companies now serve more than 1.5 million adult customers.

The Company's broadly diversified product portfolio, distribution channels and target market segments have helped it adapt successfully to the economic challenges presented in the post-pandemic world, and position it well in relation to opportunities expected to be present in the Irish economy in 2023. Further evidence of Irish Life's strong positioning can be seen from its high customer satisfaction scores and the current market-leading position it holds with ILA now having a 38% market share.

## Germany

The outlook for the German business continues to be positive and the Company expects growth in its share of the market and assets under management as the German economy improves during 2023. The Company has positioned itself to further strengthen its presence in the unit-linked market through increased investments in product development, distribution technology and service improvements.

The Company will focus on the independent intermediary distribution channel and has a strong distribution technology platform in Germany, which offers considerable service flexibility.

## **Capital and Risk Solutions**

The Capital and Risk Solutions segment of Lifeco includes the operating results of the Reinsurance business unit which operates primarily in the U.S., Barbados, Bermuda and Ireland, together with an allocation of a portion of Lifeco's corporate results. Capital and Risk Solutions Corporate includes the results for the segment's legacy international businesses.

#### **Business Profile**

### Reinsurance

Reinsurance provides capital and risk solutions and operates primarily in the U.S., Barbados, Bermuda and Ireland. In the U.S., the reinsurance business operates through a branch of Canada Life, subsidiaries of Canada Life and a subsidiary of Empower. In Barbados, the reinsurance business operates primarily through a branch of Canada Life and subsidiaries of Canada Life. In Bermuda and Ireland, the reinsurance business operates through a subsidiary of Canada Life.

The Company's business includes both reinsurance and retrocession business transacted directly with clients or through reinsurance brokers. As a retrocessionaire, the Company provides reinsurance to other reinsurers to enable those companies to manage their insurance risk.

The product portfolio offered by the Company includes life, health, annuity/longevity, mortgage surety and property catastrophe reinsurance, provided on both a proportional and non-proportional basis.

In addition to providing reinsurance products to third parties, the Company also utilizes internal reinsurance transactions between companies in the Lifeco group. These transactions are undertaken to better manage insurance risks relating to retention, volatility and concentration; and to facilitate capital management for the Company, its subsidiaries and branch operations. These internal reinsurance transactions produce benefits that are reflected in one or more of the Company's other business units.

### **Market Overview**

## **Products and Services**

#### Reinsurance

#### **Market Position**

- $4^{th}$  largest reinsurer worldwide by premium volume  $^1$
- Largest life reinsurer worldwide by premium volume<sup>1</sup>
- Leading provider of structured reinsurance solutions in the U.S. and Europe markets
- Leading provider of U.K. and European longevity reinsurance
- Ranked 8<sup>th</sup> for traditional mortality reinsurance in the U.S in terms of market share <sup>1</sup>
- Long-standing provider of a range of property and casualty catastrophe retrocession coverages

#### **Products and Services**

### Life, Health and Annuity

- Yearly renewable term
- Co-insurance
- · Modified co-insurance
- Risk & capital management solutions

## Longevity

- · Longevity swaps
- · Capital management solutions

## Mortgage and Surety Reinsurance

· Stop loss and quota share

### **Property and Casualty**

- Catastrophe retrocession
- Capital management solutions

### Funded reinsurance

Coinsurance of life and annuity blocks with
assets

#### Distribution

- · Independent reinsurance brokers
- · Direct placements

<sup>1</sup> As at December 31, 2021.

### **Competitive Conditions**

In the U.S. life reinsurance market, insurers continue to view reinsurance as an important tool for risk and capital management. Several competitors are now focusing on growing their market share, which resulted in increased competition. Nevertheless, a biennial independent industry survey released in October 2021 confirmed that the Company remains one of the top two providers of risk and capital management solutions in the U.S. market. The Company's financial strength and ability to offer risk and capital solutions and traditional mortality reinsurance continues to be a competitive advantage.

In Europe, Solvency II dominates the regulatory landscape and interest in reinsurance solutions that produce capital benefits continues to grow. Demand for longevity reinsurance remains strong in the U.K., the Netherlands and other continental European countries. As a result, there are now more reinsurers participating in the European market.

## **2022 Developments**

- The Capital and Risk Solutions segment continued to grow by providing tailored solutions to customers while increasing diversification within the portfolio. During 2022, the Capital and Risk Solutions segment expanded its international presence in targeted new markets, including Asia, while continuing to focus on core markets and product expansion in Europe and the U.S.
- The Company offers property catastrophe coverage to reinsurance companies and as a result, the Company is exposed to potential claims arising from major weather events and other catastrophic events. The Company has been closely following the impacts of Hurricane Ian, which caused a high level of insured losses. The Company's net earnings for the third quarter of 2022 included a \$128 million after-tax provision primarily relating to estimated claims net of reinstatement premiums on these coverages. The Company's loss estimate is based on currently available information and the exercise of judgment and may change as additional information becomes available.

### Selected Financial Information - Capital and Risk Solutions

		For	the thr	ee months er	nded		F	s ended		
	Dec. 31 2022		Sept. 30 2022			Dec. 31 2021		Dec. 31 2022		Dec. 31 2021
Base earnings (loss) 1										
Reinsurance	\$	190	\$	3	\$	147	\$	540	\$	552
Capital and Risk Solutions Corporate		(3)		(2)		(2)		(8)		(5)
Base earnings (loss)	\$	187	\$	1	\$	145	\$	532	\$	547
Items excluded from base earnings										
Actuarial assumption changes and other management actions 2		10		119		(12)		129		(15)
Market-related impact on liabilities <sup>2</sup>		14		(5)		-		1		-
Net earnings – common shareholders	\$	211	\$	115	\$	133	\$	662	\$	532
Total net premiums										
Reinsurance	\$	8,446	\$	7,205	\$	7,216	\$	31,711	\$	29,514
Capital and Risk Solutions Corporate		6		6		6		20		19
Total net premiums	\$	8,452	\$	7,211	\$	7,222	\$	31,731	\$	29,533
Total assets <sup>3</sup>	\$	16,346	\$	15,265	\$	17,396				

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>2</sup> Refer to the "Glossary" section of this document for additional details on the composition of this measure.

<sup>3</sup> The Capital and Risk Solutions segment does not have assets under management or other assets under administration.

#### Base and net earnings

In the fourth quarter of 2022, the Capital and Risk Solutions segment's net earnings of \$211 million increased by \$78 million compared to the same quarter last year. Base earnings of \$187 million increased by \$42 million compared to the same quarter last year, primarily due to strong new business growth, favourable longevity experience and improved claims experience on the U.S. life business. The increase was partially offset by the impact of currency movement.

Items excluded from base earnings were positive \$24 million compared to negative \$12 million for the same quarter last year. The fourth quarter of 2022 included positive contributions from insurance contract liability basis changes and a decrease in actuarial liabilities on a legacy block of business with investment performance guarantees.

For the twelve months ended December 31, 2022, net earnings increased by \$130 million to \$662 million compared to the same period last year. Base earnings of \$532 million decreased by \$15 million compared to the same period last year, primarily due to the net provision for estimated claims resulting from the impact of Hurricane Ian of \$128 million after-tax recorded in the third quarter of 2022, mostly offset by business growth, favourable longevity experience and improved claims experience on the U.S. life business. The third quarter of 2021 also included a provision for major weather events for \$61 million.

For the twelve months ended December 31, 2022, items excluded from base earnings increased by \$145 million to positive \$130 million compared to the same period last year, primarily due to the same reasons discussed for the in-quarter results.

#### Total net premiums

Reinsurance premiums can vary significantly from period to period depending on the terms of underlying treaties. For certain life reinsurance transactions, premiums will vary based on the form of the transaction. Treaties where insurance contract liabilities are assumed on a proportionate basis will typically have significantly higher premiums than treaties where claims are not incurred by the reinsurer until a threshold is exceeded. Earnings are not directly correlated to premiums received.

Total net premiums for the fourth quarter of 2022 of \$8.5 billion increased by \$1.2 billion compared to the same quarter last year, primarily due to new business in the current period.

For the twelve months ended December 31, 2022, total net premiums increased by \$2.2 billion to \$31.7 billion compared to the same period last year, primarily due to the same reason discussed for the in-quarter results.

### **Outlook**

Refer to Cautionary Note regarding Forward-looking Information and Cautionary Note regarding Non-GAAP Financial Measures and Ratios at the beginning of this document.

The U.S. health individual market continues to create expanded opportunities for reinsurance.

The Company's Reinsurance business unit continues to help European clients and other affiliated companies meet these capital challenges through innovative reinsurance solutions. Demand for longevity reinsurance remains strong and will remain a focus for 2023.

Internationally, Canada Life continued to explore opportunities where the Company's reinsurance solutions can support clients in new geographies and executed a number of value generating transactions. Measured international expansion will remain a focus in 2023.

2022 was the sixth consecutive year of significant hurricane and flood events. The Company expects 2023 retrocessional pricing to continue to increase. Insurance linked securities capacity has decreased due to trapped collateral from 2017 to 2022 events, together with a lower appetite for these risks. The Company's primary focus in the property catastrophe market for 2023 will be to continue to support the core client base with prudent attachment levels and risk adjusted premiums.

# **Lifeco Corporate Operating Results**

The Lifeco Corporate segment includes operating results for activities of Lifeco that are not associated with the major business units of the Company.

In the fourth quarter of 2022, the Lifeco Corporate segment's net loss was \$14 million compared to a net loss of \$6 million for the same period last year, primarily due to higher operating expenses driven by variable compensation expenses, partially offset by higher net investment income. There were no differences between net loss and base loss for the fourth quarter of 2022.

For the twelve months ended December 31, 2022, the Lifeco Corporate segment's net loss was \$3 million compared to a net loss of \$66 million for the same period last year. Base loss of \$3 million decreased by \$5 million compared to the same period last year, primarily due to higher net investment income and lower operating expenses. Items excluded from base earnings were nil compared to negative \$58 million for the same period last year, primarily due to a provision in the prior year for payments relating to the Company's 2003 acquisition of Canada Life.

## **Risk Management**

### **Overview**

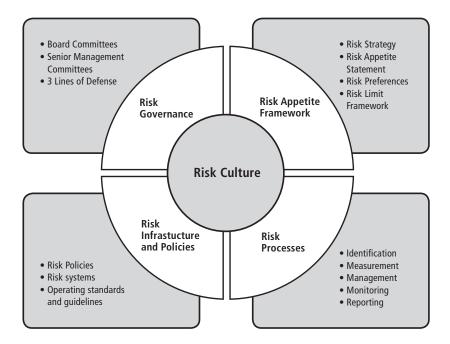
As a diverse financial services company, the effective management of risk is integral to the success of the Company's business. The Company is committed to a comprehensive system of risk management, which is embedded across all business activities, operated through a three lines of defense organization and overseen by the Board of Directors. The Company's three lines of defense include business unit and support functions, oversight functions including actuarial, finance, risk and compliance, and the Company's internal audit function. The Company has a prudent and measured approach to risk management. This approach is built on a strong risk culture and is guided by an integrated Enterprise Risk Management (ERM) Framework.

The Company's ERM Framework facilitates the alignment of business strategy with risk appetite, informs and improves the deployment of capital; and supports the identification, mitigation and management of exposure to possible losses and risks. The Company's Risk Function is responsible for developing and maintaining the Risk Appetite Framework (RAF), the supporting risk policies and risk limit structure, and provides independent risk oversight across the Company's operations.

 $There \ are three \ main \ sections \ to \ this \ Risk \ Management \ disclosure: ERM \ Framework, Risk \ Management \ and \ Control \ Practices \ and \ Exposures \ and \ Sensitivities.$ 

## **Enterprise Risk Management Framework**

The Company's Board and Management Committees provide oversight of the ERM Framework which is comprised of five components: Risk Culture, Risk Governance, RAF, Risk Processes and Risk Infrastructure & Policies.



#### **Risk Culture**

Risk culture is defined as the system of norms, values, attitudes and behaviours that influences and informs risk decision-making. Our risk culture reflects the Company's collective sense of responsibility to fulfill our commitments and promises to our stakeholders. Our risk culture is guided by our corporate purpose and core values with a customer first approach. We safeguard our financial strength and strong reputation while growing shareholder value in a manner that balances the interests of all stakeholders.

This culture is instilled through a mindset of risk awareness as demonstrated by:

- Consistent tone from the Board, senior management and throughout the organization in respect of behavioural and ethical expectations, and alignment of business decisions with business strategies, corporate purpose, core values and risk appetite
- · Recognition that risk is inherent in our business success and reflects opportunity when appropriately managed
- Individual and shared commitment to the importance of continuous management of risk, including clear accountability for and ownership of specific risks and risk areas
- Rewarding of positive risk taking and management behaviours while challenging and remediating those that are inconsistent with corporate purpose, core values or risk appetite
- Encouragement of risk event reporting and the presence of robust whistleblowing processes, actively seeking to learn from mistakes and near misses
- · Accountability to all stakeholders
- Recognition that risk management is a responsibility of all employees, officers and directors, both individually and collectively; risk
  management skills and knowledge are developed and core to our ongoing success; effective challenge is expected and respected across all
  business operations and all three lines of defense. Oversight and assurance functions are valued and appropriately resourced throughout
  the organization

### **Risk Governance**

Risk governance sets out the roles and responsibilities for the Board of Directors (Board) and Board Committees.

### **Board of Directors**

The mandate of the Board, which it discharges directly or through one of its Committees, is to supervise the management of the business and affairs of the Company. The Board is ultimately accountable and responsible for the governance and oversight of risk throughout the Company. The Board annually approves the strategic goals, objectives, plans and initiatives for Lifeco, and in so doing reviews the risks associated with Lifeco's diverse business, strategic goals and high priority initiatives. Key risk responsibilities include:

- Approving the ERM Policy and RAF;
- Monitoring the implementation and maintenance by management of appropriate systems, policies, procedures and controls to manage the risks associated with the Company's businesses and operations;
- · Annually approving Lifeco's business, financial and capital plans and monitoring the implementation by management thereof;
- Upon the recommendation of the Risk Committee, adopting a Code of Conduct applicable to Directors, officers and employees of the Company;
- Periodically approving policies designed to support independence of the Risk, Finance, Actuarial and Compliance oversight functions as well as the Internal Audit assurance function; and
- Overseeing the Company's environmental, social and governance (ESG) strategy, monitoring management's execution against this strategy and reviewing the related impacts, risks, initiatives and reporting.

### **Risk Committee**

The Risk Committee of the Board of Directors is responsible for assisting the Board with risk management oversight and governance throughout the Company. The Risk Committee's responsibilities include:

- · Review and oversight of the ERM Policy and RAF;
- · Review, approval and oversight of the credit, market and liquidity, insurance, operational, conduct, strategic and other risk policies;
- · Approval of the risk limit framework, associated risk limits and monitoring adherence to those limits;
- · Approval of the organizational and reporting structures, budget and resources of the Risk and Compliance functions;
- Discussion of the risks in aggregate and by type of risk, including actions taken or planned to mitigate those risks where appropriate;
- Review relevant reports including stress testing and Financial Condition Testing;
- Review and approval of the Own Risk and Solvency Assessment (ORSA) Report;
- · Periodic approval of the Recovery Plan Playbook;
- · Advise the Board of any developments that would materially alter the risk profile;
- · Review of the risk impact of business strategies, capital plans, financial plans and new business initiatives;
- Review and approval of the mandate for and assessment of the performance of the Company's CRO, CCO and the effectiveness of the Risk and Compliance functions;

- Review and monitoring of compliance with the Company's Code of Conduct;
- · Periodic consideration and input regarding the relationships between risk and compensation; and
- Review and assessment of the effectiveness of risk management across the Company including processes to ensure effective identification, measurement, management, monitoring and reporting on significant current and emerging risks.

The Risk Committee is required to meet, at least annually, with the Audit Committee and with the Company's Chief Internal Auditor. The Risk Committee meets with the Investment Committee as appropriate. Members of the Risk Committee are independent of management.

**Audit Committee** – The primary mandate of the Audit Committee is to review the financial statements of the Company and public disclosure containing financial information and to report on such reviews to the Board, to be satisfied that adequate procedures are in place for the review of the Company's public disclosures containing financial information and to oversee the work and review the independence of the external auditor. The Audit Committee is also responsible for reviewing, evaluating and approving the internal control procedures that are implemented and maintained by management. The Audit Committee meets as often as necessary to discharge its duties and responsibilities and meets at least annually with the Risk Committee. Members of the Audit Committee are independent of management.

**Conduct Review Committee** – The primary mandate of the Conduct Review Committee is to require management to establish satisfactory procedures for the consideration and approval of transactions with related parties and to review and, if deemed appropriate, to approve related party transactions in accordance with such procedures. Members of the Conduct Review Committee are independent of management.

Governance and Nominating Committee – The primary mandate of the Governance and Nominating Committee is to oversee the Company's approach to governance matters, to recommend to the Board effective corporate governance policies and processes, to assess the effectiveness of the Board, Board Committees and the Directors and to recommend to the Board candidates for election as Directors and candidates for appointment to Board Committees.

Human Resources Committee - The primary mandate of the Human Resources Committee is to support the Board in its oversight of compensation, talent management and succession planning. This includes the responsibility to approve compensation policies, to review the designs of major compensation programs, to approve compensation arrangements and any benefit or perquisite plan for senior executives of the Company and to recommend to the Board compensation arrangements for the Directors and for the President and Chief Executive Officer. The mandate also includes the responsibility to review succession plans for the President and Chief Executive Officer and other senior executives, to review talent management programs and initiatives and to review the leadership capabilities required to support the advancement of the Company's strategic objectives. The Human Resources Committee is also responsible for considering the implications of the risks associated with the Company's compensation policies, plans and practices and in doing so meets annually with the Chief Risk Officer. The Human Resources Committee also meets with the Risk Committee on an as needed basis.

Investment Committee – The primary mandate of the Investment Committee is to oversee the Company's global investment strategy and activities, including approving the Company's Investment Policy and monitoring the Company's compliance with the Investment Policy. The global investment strategy includes climate-related transition risks and opportunities such as cleaner energy sectors that could impact our investment growth strategies. The mandate also includes reviewing the Company's annual investment plan and monitoring emerging risks, market trends and performance, investment regulatory issues and any other matters relevant to the oversight of the Company's global investment function. The Investment Committee meets as often as necessary to discharge its duties and responsibilities and meets with the Risk Committee as appropriate.

**Reinsurance Committee** – The primary mandate of the Reinsurance Committee is to advise on the Company's reinsurance transactions. The mandate also includes reviewing and approving management's recommendations with respect to policies applicable to reinsurance.

#### **Senior Management Risk Committees**

The Executive Risk Management Committee (ERMC) is the primary senior management committee that oversees all forms of risk and the implementation of the ERM Framework. The members are the CEO, the heads of each major business segment, the heads of key oversight functions and heads of support functions as appropriate. The Company's CRO leads the Risk Function and chairs the ERMC. Its responsibilities include reviewing compliance with the RAF, risk policies and risk standards. It also assesses the risk impact of business strategies, capital and financial plans and material initiatives. The Board Risk Committee delegates authority for the approval and management of lower level risk limits to the ERMC. The following three enterprise-wide sub-committees, chaired by the Risk Function, report to the ERMC to provide advice and recommendations on each of the key risk categories:

- · Market and Credit Risk Committee
- · Insurance Risk Committee
- Operational Risk Committee

The oversight responsibilities of the above Committees include identification, measurement, management, monitoring and reporting of their respective risks. In addition, each business segment has established its own executive risk management committee providing oversight for all forms of risk and the implementation of the ERM Framework.

#### **Accountabilities**

The Company has adopted a Three Lines of Defense model to clearly segregate risk management and risk oversight responsibilities and applies the ERM Framework rigorously across the enterprise.

- First Line: Business units and business support functions, including Investment Management, Human Resources, Information Services and Legal, are the ultimate owners of risk and have primary risk management as well as risk-taking responsibility and accountability through day-to-day operations within ongoing business processes.
- Second Line: The Risk Function has the primary and overall responsibility and accountability for independent oversight and effective challenge of risk-taking and risk management of the first line of defense. In this role, the Risk Function receives support from other oversight functions including Actuarial, Compliance and Finance; and
- Third Line: Internal Audit is responsible for independent assurance of the adequacy of the design and operational effectiveness of the Company's ERM Framework.

The Company's CRO reports directly, both to the President and Chief Executive Officer and to the Board Risk Committee. The CRO is responsible for ensuring that the Risk Function is appropriately resourced and effective in executing its responsibilities. The accountabilities of the CRO include reporting on compliance with the ERM Policy and RAF as well as for escalating matters that require attention.

Business segment ERMCs monitor all risk categories for businesses and operations within their respective business segments. Risk resources and capabilities are aligned with the Company's business segments and operating units and further support is provided by centrally based risk areas of expertise.

Although the Company takes steps to anticipate and minimize risks in general, no risk management framework can guarantee that all risks will be identified, appreciated or mitigated effectively. Unforeseen future events may have a negative impact on the Company's business, financial condition and results of operations.

## **Risk Appetite Framework**

The Company has an articulated Risk Appetite Framework (RAF) that includes the following elements along with the associated governance structure:

- Risk Strategy: Risk philosophy of the Company that links to the business strategy
- Risk Appetite Statement: Reflects the aggregate level of risk and types of risk that the Company is willing to accept to achieve its business objectives
- Risk Preference: Qualitative description of risk tolerances
- Risk Limit Framework: Quantitative components of the RAF including excess and escalation process

## Risk Strategy

Our main purpose is to help our customers achieve financial security and well-being while keeping our commitments and growing shareholder value. Effective and efficient risk management is key to achieving these aims. This is achieved by:

- Establishing a risk awareness culture that is ingrained in all business activities with a risk governance model based on three lines of defense. Business units have full accountability for all risk-taking decisions. The Risk Function has primary responsibility for independent risk oversight and effective challenge within the second line of defense. As the third line of defense, Internal Audit provides independent assurance over the Company's ERM Framework;
- Employing a prudent and measured approach to risk-taking;
- Conducting business to safeguard the Company's reputation and deliver fair customer outcomes through maintaining high standards of integrity based on the employee Code of Conduct and sound sales and marketing practices; and
- · Generating returns to grow shareholder value through profitable and growing operations while maintaining a strong balance sheet.

## **Risk Appetite Statement**

The Company's Risk Appetite Statement has four key components:

- Strong Capital Position: The Company intends to maintain a strong balance sheet and not take risks that would jeopardize its financial strength;
- Mitigated Earnings Volatility: The Company seeks to avoid substantial earnings volatility through appropriate diversification and limiting exposure to more volatile lines of business;
- Strong Liquidity: The Company intends to maintain a high quality, diversified investment portfolio with sufficient liquidity to meet the demands of policyholder and financing obligations under normal and stressed conditions; and
- Treating Customers Fairly and Maintaining the Company's Reputation: The Company seeks to maintain a high standing and positive reputation with all stakeholders including its customers, counterparties, creditors and other stakeholders. This includes building and maintaining trust, fair treatment of customers, consideration of corporate social responsibility, and effective management of sustainability and reputational risks.

#### **Risk Preference**

The Company has established qualitative risk preferences for each risk type. Each risk is assigned a risk preference level, in the context of understanding and managing these risks. The current level of exposure is regularly measured and risk tolerances are expressed quantitatively through actual constraints to the Company's risk profile within pre-agreed limits. Maximum guidelines are established to monitor risk concentration and inform the risk limit setting process.

#### **Risk Limit Framework**

A comprehensive structure of risk limits and controls is in place across the Company. Enterprise risk limits are further broken down by business unit and risk type. The limit structure is accompanied by comprehensive limit approval and excess management processes to ensure effective governance and oversight of the RAF.

The Company and its subsidiaries are subject to various regulatory regimes. The capital requirements under these regulatory capital regimes are reflected in the development of risk limits. Business units are responsible for operating within the risk appetite and the risk limit framework and satisfying local needs as required.

### **Risk Processes**

Risk processes follow a cycle of identification, measurement, management, monitoring and reporting and are designed to ensure both current and emerging risks are assessed against the RAF.

### Risk Identification, Measurement and Management

Risk identification requires the structured analysis of the current and emerging risks facing the Company, so that they are understood and appropriately managed. Processes are designed to ensure risks are considered, assessed, prioritized and addressed in all business initiatives, operations and changes, including investment strategies, product design, significant transactions, annual planning and budgeting as well as potential business acquisitions and disposals.

Risk measurement provides the means to quantify and assess the Company's risk profile and monitor the profile against the risk limits. Any material new business development or change in strategy warrants an independent assessment of risk and potential impact on reputation, in addition to measurement of the impact on capital, earnings and liquidity. Stress and scenario testing is used to evaluate risk exposures against the risk appetite. Sensitivity testing of key risks is used to evaluate the impact of risk exposures independent of other risks. Scenario testing is used to evaluate the combined impact of multiple risk exposures.

The Company has processes in place to identify risk exposures on an ongoing basis and, where appropriate, develops mitigation strategies to proactively manage these risks. Effective risk management requires the selection and implementation of approaches to accept, reject, transfer, avoid or control risk, including mitigation plans. It is based on a control framework for financial and non-financial risks that includes risk limits, Risk Function Indicators (RFIs) and stress and scenario testing to ensure appropriate escalation and resolution of potential issues in a timely manner.

A key responsibility of the Risk Function is to ensure that the risk appetite is applied consistently across the Company and that limits are established to ensure that risk exposures comply with the risk appetite and Company-wide risk policies. The Risk Function provides ongoing and independent challenge to the first line of defense. In addition, in the event of a significant internal or external change that could introduce new risks or heighten existing risks that could materially impact the business, the Risk Function provides a formal Risk Opinion or thematic review.

### Risk Monitoring, Reporting and Escalation

Risk monitoring relates to ongoing oversight and tracking of the Company's risk exposures, ensuring that the risk management approaches in place remain effective. Monitoring may also identify risk-taking opportunities.

Risk reporting presents an accurate and timely picture of existing and emerging risk issues and exposures as well as their potential impact on business activities. Reporting highlights the risk profile relative to the risk appetite and associated risk limits.

A clearly defined escalation protocol is in place to address any excesses against thresholds or limits established by the RAF, risk policies, operating standards and guidelines. Remediation plans are reviewed and monitored by the Risk Function and escalated to designated management and Board committees.

## **Risk Infrastructure and Policies**

The Company's organization and infrastructure is established to provide resources and risk systems to support adequate and appropriate risk policies, operating standards and guidelines and processes. The Company endeavours to take a consistent approach to risk management across key risk types.

The Company has codified its procedures and operations related to risk management and oversight requirements in a set of guiding documents composed of risk policies, operating standards and associated guidelines. This comprehensive documentation framework provides detailed and effective guidance across all risk management processes. These documents enable a consistent approach to risk management and oversight across the Company's businesses and are reviewed and approved regularly, in accordance with an established authority hierarchy, by the Board of Directors, the Board Risk Committee or a senior management committee. Similar policy structures have been developed and are maintained by each business segment.

## **Risk Management and Control Practices**

The Company's risk profile is impacted by a variety of risks and its risk management and independent oversight processes are tailored to the type, volatility and magnitude of each risk. The Company has defined specific risk management and oversight processes for risks, broadly grouped in the following categories:

- 1. Market and Liquidity Risk
- 2. Credit Risk
- 3. Insurance Risk
- 4. Operational Risk
- 5. Conduct Risk
- 6. Strategic Risk

## **Market and Liquidity Risk**

## **Risk Description**

Market risk is the risk of loss resulting from potential changes in market rates and prices in various markets such as for interest rates, real estate, currency, common shares and commodities. Exposure to this risk results from business activities including investment transactions which create on-balance sheet and off-balance sheet positions.

Liquidity risk is the risk of the Company's inability to generate the necessary funds to meet its obligations as they come due, including off-balance sheet commitments and obligations.

## **Market and Liquidity Risk Management**

The Company's Market & Liquidity Risk Policy sets out the market and liquidity risk management framework and principles. This policy is supported by other policies and guidelines that provide detailed guidance.

A governance structure has been implemented for the management of market and liquidity risk. The business units, including Investment Management, are the ultimate owners of market and liquidity risk and as such have primary responsibility for the identification, measurement, management, monitoring and reporting. The Company has established a senior management committee to provide oversight of market and liquidity risk, which includes completing reviews and making recommendations regarding risk limits, the risk policy and associated compliance, excess management and mitigation pertaining to market and liquidity risk. Each business segment has established oversight committees and operating committees to help manage market and liquidity risk within the segment. The Company has developed risk limits, RFIs and other measures to support the management of market and liquidity risk in compliance with the Company's RAF. The Risk Function works with the business units and other oversight functions to identify current and emerging market and liquidity risks and take appropriate action, if required.

The Company is willing to accept market and liquidity risk in certain circumstances as a consequence of its business model and seeks to mitigate the risks wherever practical. To reduce market risk, the Company has established a framework using dynamic hedging programs associated with segregated fund and variable annuity guarantees. Hedging programs are grouped by product-level hedging, tactical portfolio hedging and macro-hedging. This is supplemented by a general macro equity hedging program that has been established to execute hedge transactions in circumstances and at levels that have been determined by the Company. To reduce liquidity risk, the Company seeks to maintain a high quality, diversified investment portfolio with sufficient liquidity to meet demands of policyholders and financing obligations under normal and stress conditions.

Risks and risk management activities associated with the broad market and liquidity risk categories are detailed below.

#### **Interest Rate Risk**

Interest rate risk is the risk of loss resulting from the effect of the volatility and uncertainty of future interest rates on asset cash flows relative to liability cash flows and on assets backing surplus. This also includes changes in the amount and timing of cash flows related to asset and liability optionality, including interest rate guarantees and book value surrender benefits in the liabilities.

The Company's principal exposure to interest rate risk arises from certain general fund and segregated fund products. The Company's Asset Liability Management (ALM) strategy has been designed to mitigate interest rate risks associated with general fund products, with close matching of asset cash flows and insurance and investment contract obligations. Products with similar risk characteristics are grouped together to ensure an effective aggregation and management of the Company's ALM positions. Asset portfolios supporting insurance and investment contract liabilities are segmented to align with the duration and other characteristics (e.g. liquidity) of the associated liabilities.

Crediting rates within general fund products are set prudently and a significant proportion of the Company's portfolio of crediting rate products includes pass-through features, which allow for the risk and returns to be shared with policyholders. However, a rapid rise in interest rates may adversely impact certain general fund products with guaranteed benefits as a result of losses associated with early disposal of fixed income securities to meet contractual surrender benefits. Asset management and related products permit redemptions; however, the Company attempts to mitigate this risk by establishing long-term customer relationships, built on a strategic customer focus and an emphasis on delivering strong fund performance.

A prolonged period of low interest rates may adversely impact the Company's earnings and capital and could impact the Company's business strategy. During periods of prolonged low interest rates, investment earnings may be lower because the interest earned on new fixed income investments will likely have declined with the market interest rates, and hedging costs may increase. Also, early repayment on investments held such as mortgage-backed securities, asset-backed securities, and callable bonds, may be experienced and proceeds forced to be reinvested at lower yields, which will reduce investment margins.

The Company has established dynamic hedging programs to hedge interest rate risk sensitivity associated with segregated fund and variable annuity guarantees. These hedging programs are designed to offset changes in the economic value of liabilities using derivative instruments. The Company's approach to dynamic hedging of interest rate risk principally involves transacting in interest rate swaps. The hedge asset portfolios are dynamically rebalanced within approved thresholds and rebalancing criteria.

Where the Company's insurance and investment products have benefit or expense payments that are dependent on inflation (e.g. inflation-indexed annuities, pensions and disability claims), the Company generally invests in real return instruments to mitigate changes in the real dollar liability cash flows. Some protection against changes in the inflation index can be 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.

#### **Equity Risk**

Equity risk is the risk of loss resulting from the sensitivity of the value of assets, liabilities, financial instruments and fee revenue to changes in the level or in the volatility of market prices of common shares and real estate. This includes the equity risk associated with the Company's general fund assets and investments on account of segregated fund policyholders.

The Company's principal exposure to equity risk arises from segregated funds and fee income associated with the Company's assets under management. Approved investment and risk policies also provide for general fund investments in equity markets within defined limits.

The Company has established dynamic hedging programs to hedge equity risk sensitivity associated with segregated fund and variable annuity guarantees. Hedging programs are grouped by product-level hedging, tactical portfolio hedging and macro-hedging. The hedging programs are designed to mitigate exposure to changes in the economic value of these liabilities using derivative instruments. The Company's approach to dynamic hedging of equity risk principally involves the short selling of equity index futures. The hedge asset portfolios are dynamically rebalanced within approved thresholds and rebalancing criteria. The Company's product-level hedging programs are supplemented by a general macro hedging strategy that has been established to execute hedge transactions in circumstances and at levels that have been determined by the Company.

For certain very long-dated liabilities it is not practical or efficient to closely match liability cash flows with fixed-income investments. Therefore, certain long-dated asset portfolios target an investment return sufficient to meet liability cash flows over the longer term. These liabilities are partially backed by a diversified portfolio of non-fixed income investments, including equity and real estate investments, in addition to long dated fixed-income instruments. Real estate losses can arise from fluctuations in the value of or future cash flows from the Company's investments in real estate.

The Company has established a macro equity hedging program to execute hedge transactions in circumstances and at levels that have been determined by the Company. The objective of the program is to reduce the Company's exposure to equity tail-risk and to maintain overall capital sensitivity to equity market movements within Board approved risk appetite limits. The program is designed to hedge a portion of the Company's capital sensitivity due to movements in equity markets arising from sources outside of dynamically hedged segregated fund and variable annuity exposures.

### Foreign Exchange Risk

Foreign exchange risk is the risk of loss resulting from changes in currency exchange rates against the reporting currency. The Company's foreign exchange investment and risk management policies and practices are to match the currency of the Company's general fund investments with the currency of the underlying insurance and investment contract liabilities. To enhance portfolio diversification and improve asset liability matching, the Company may use foreign exchange derivatives to mitigate currency exchange risk to the extent this is practical using forward contracts and swaps.

The Company has net investments in foreign operations. As a result, the Company's revenue, expenses and income denominated in currencies other than the Canadian dollar are subject to fluctuations due to the movement of the Canadian dollar against these currencies. Such fluctuations affect the Company's financial results. The Company has exposures to the U.S. dollar resulting from the operations of Empower and Putnam in the United States segment and the Reinsurance business unit within the Capital and Risk Solutions segment; and to the British pound and the euro resulting from operations of business units within the Europe and Capital and Risk Solutions segments operating in the U.K., the Isle of Man, Ireland and Germany.

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 (loss). Strengthening or weakening of the Canadian dollar end-of-period market rate compared to the U.S. dollar, British pound and euro end-of-period market rates impacts the Company's total share capital and surplus. Correspondingly, the Company's book value per share and capital ratios monitored by rating agencies are also impacted.

## Management's Discussion and Analysis

Management may use forward foreign currency contracts and foreign currency denominated debt to mitigate the volatility arising from the movement of currency rates as they impact the translation of net investments in foreign operations. The Company uses non-GAAP financial measures such as constant currency calculations to assist in communicating the effect of currency translation fluctuation on financial results.

- A 5% appreciation (depreciation) of the average exchange rate of the Canadian dollar to each of the British pound, euro and U.S. dollar would decrease (increase) net earnings in 2022 by \$46 million, \$30 million and \$34 million, respectively.
- A 5% appreciation (depreciation) of the Canadian dollar end-of-period market rate compared to each of the U.S. dollar, British pound and euro end-of-period market rates would decrease (increase) the unrealized foreign currency translation gains in accumulated other comprehensive income (loss) of shareholders' equity by approximately \$499 million, \$218 million and \$93 million, respectively, as at December 31, 2022.

### **Liquidity Risk**

The Company's liquidity risk management framework and associated limits are designed to ensure that the Company can meet cash and collateral commitments as they fall due, both on an expected basis and under a severe liquidity stress.

In the normal course of certain reinsurance business, the Company provides letters of credit (LCs) to other parties, or beneficiaries. A beneficiary will typically hold a LC as collateral to secure statutory credit for insurance and investment contract liabilities ceded to or amounts due from the Company.

The Company may be required to seek collateral alternatives if it is unable to renew existing LCs at maturity. The Company monitors its use of LCs on a regular basis and assesses the ongoing availability of these and alternative forms of operating credit. The Company has contractual rights to reduce the amount of LCs issued to the LC beneficiaries for certain reinsurance treaties. The Company staggers the maturities of LCs to reduce the renewal risk.

## Liquidity 1

		Decen	nber 3	1
	_	2022		2021
Cash, cash equivalents and short-term bonds	\$	11,418	\$	9,791
Other liquid assets and marketable securities				
Government bonds		29,545		35,331
Corporate bonds <sup>2</sup>		58,729		50,491
Stocks		11,380		12,424
Mortgage loans		3,136		3,406
	\$	102,790	\$	101,652
Total	\$	114,208	\$	111,443

### Cashable liability characteristics

	Decem	ber 31
	2022	2021
Surrenderable insurance and investment contract liabilities 1,3		
At market value	\$ 66,329	\$ 48,767
At book value	79,228	54,232
Total	\$ 145,557	\$ 102,999

- 1 Amounts presented exclude non-liquid and pledged assets. Refer to the "Liquidity and Capital Management and Adequacy" section of this document for additional details regarding the composition of these metrics
- 2 Includes public short-term bonds and public long-term bonds that are rated BBB or higher.
- 3 Cashable liabilities include insurance and investment contract liabilities classified as held for sale.

The carrying value of the Company's liquid assets and marketable securities is approximately \$114.2 billion or 0.8 times the Company's surrenderable insurance and investment contract liabilities. The Company believes that it holds adequate and appropriate liquid assets to meet anticipated cash flow requirements as well as to meet cash flow needs under a severe liquidity stress.

Approximately 35% (approximately 48% in 2021) of insurance and investment contract liabilities are non-cashable prior to maturity or claim, with a further 30% approximately (24% in 2021) of insurance and investment contract liabilities subject to fair value adjustments under certain conditions.

The majority of liquid assets and other marketable securities comprise fixed-income securities whose value decrease when interest rates rise. Also, a high interest rate environment may encourage holders of certain types of policies to terminate their policies, thereby placing demands on the Company's liquidity position.

For a further description of the Company's financial instrument risk management policies, refer to note 8 in the Company's December 31, 2022 annual consolidated financial statements.

<sup>1</sup> Unrealized foreign currency translation gains (losses) include the impact of instruments designated as hedges of net investments on foreign operations.

#### **Credit Risk**

#### **Risk Description**

Credit risk is the risk of loss resulting from an obligor's potential inability or unwillingness to fully meet its contractual obligations. Exposure to this risk occurs any time funds are extended, committed or invested through actual or implied contractual agreements. Components of credit risk include: loan loss/principal risk, pre-settlement/replacement risk and settlement risk. Obligors include issuers, debtors, borrowers, brokers, policyholders, reinsurers, derivative counterparties and guarantors.

Credit exposure results from the purchase of fixed-income securities, which are primarily used to support policyholder liabilities. The Company also manages financial contracts with counterparties. Such contracts may be used to mitigate insurance and market risks (reinsurance ceded agreements and derivative contracts) or they may arise from the Company's direct business operations (Reinsurance business unit) and may result in counterparty risk. The risk arising from these types of arrangements is included in the Company's measurement of its risk profile.

### **Credit Risk Management**

The Company's credit risk management framework focuses on minimizing undue concentration of assets, in-house credit analysis to identify and measure risks, continuous monitoring, and proactive management. Diversification is achieved through the establishment of appropriate concentration limits (by asset class, issuers, credit rating, industries, and individual geographies) and transaction approval authority protocols. The Company's approach to credit risk management includes the continuous review of its existing risk profile relative to the RAF as well as to the assessment of potential changes in the risk profile under stress scenarios.

A governance structure has been implemented for the management of credit risk. The business units, including Investment Management, are the ultimate owners of credit risk and as such have primary responsibility for the identification, measurement, management, monitoring and reporting. The Company has established a senior management committee to provide oversight of credit risk, which includes completing reviews and making recommendations regarding risk limits, the risk policy and associated compliance, excess management and mitigation pertaining to credit risk. Each business segment has established oversight committees and operating committees to help manage credit risk within the segment. The Company has developed risk limits, RFIs and measures to support the management of credit risk in compliance with the Company's RAF.

The Company has established business segment-specific Investment and Lending Policies, including investment limits for each asset class. These policies and limits are complemented by the Credit Risk Policy which sets out the credit risk management framework and principles. This policy is supported by other policies and guidelines that provide detailed guidance.

The Company identifies credit risk through an internal credit risk rating system which includes a detailed assessment of an obligor's creditworthiness based on a thorough and objective analysis of business risk, financial profile, structural considerations and security characteristics including seniority and covenants. Credit risk ratings are expressed using a 22-point scale that is consistent with those used by external rating agencies. In accordance with the Company's policies, internal credit risk ratings cannot be higher than the highest rating provided by certain independent ratings companies. The Risk Function reviews and approves the credit risk ratings assigned by Investment Management for all new investments and reviews the appropriateness of ratings assigned to outstanding exposures.

The Risk Function assigns credit risk parameters (probabilities of default, rating transition rates, loss given default, exposures at default) to all credit exposures to measure the Company's aggregate credit risk profile. In addition, the Risk Function establishes limits and processes, performs stress and scenario testing (using stochastically generated and deterministic scenarios) and assesses compliance with the limits established in the RAF. It regularly reports on the Company's credit risk profile to executive management, the Board of Directors and various committees at enterprise, business segment and legal entity levels.

Investment Management and the Risk Function are responsible for the monitoring of exposures relative to limits as well as for the management and escalation of risk limit excesses as they occur. Investment Management is also responsible for the continuous monitoring of its portfolios for changes in credit outlook, and performs regular credit reviews of all relevant obligors and counterparties, based on a combination of bottom-up credit analysis and top-down views on the economy and assessment of industry and sub-sector outlooks. Watch Lists are also used at the business segment levels to plan and execute the relevant risk mitigation strategies for obligors experiencing heightened credit stress.

### **Counterparty Risk**

Counterparties include both reinsurers and derivative counterparties.

The Company uses reinsurance to mitigate insurance risks. This mitigation results in increased credit risk to reinsurance counterparties from the potential failure to collect reinsurance recoveries due to either the inability, or an unwillingness to fulfill their contractual obligation.

Counterparties providing reinsurance to the Company are reviewed for financial soundness as part of an ongoing monitoring process. The minimum financial strength of reinsurers is outlined in the Reinsurance Risk Management Policy. The Company seeks to minimize reinsurance credit risk through diversification as well as seeking protection in the form of collateral or funds withheld arrangements where possible.

The Company enters into derivative contracts primarily to mitigate market risks. Derivative counterparty risk is the risk of loss resulting from the potential failure of the derivative counterparty to meet their financial obligations under the contract. Derivative products are traded through exchanges or with counterparties approved by the Board of Directors or the Investment Committee. The Company seeks to mitigate derivative credit risk through diversification and through collateral arrangements where possible. In addition, the Company includes potential future exposure of derivatives in its measure of total exposure against single name limits.

#### **Insurance Risk**

#### **Risk Description**

Insurance risk is the risk of loss resulting from adverse changes in experience associated with contractual promises and obligations arising from insurance contracts. Insurance risk includes uncertainties around the ultimate amount of net cash flows (premiums, commissions, claims, payouts and related settlement expenses), the timing of the receipt and payment of these cash flows, as well as the impact of policyholder behaviour (e.g. lapses).

The Company identifies six broad categories of insurance risk, which may contribute to financial losses: mortality risk, morbidity risk, longevity risk, policyholder behaviour risk, expense risk and property catastrophe risk. Mortality risk, morbidity risk, longevity risk and expense risk are core business risks and the exchange of these risks into value is a core business activity. Policyholder behaviour risk is associated with offering core products and is accepted as a consequence of the business model and mitigated where appropriate. Property catastrophe risk is a selectively accepted business risk which is constrained, actively managed and controlled within risk limits.

#### **Insurance Risk Management**

Insurance products involve commitments by the insurer to provide services and financial obligations with coverage for extended periods of time. To provide insurance protection effectively, the insurer must design and price products so that the premiums received, and the investment income earned on those premiums, will be sufficient to pay future claims and expenses associated with the product. This requires the insurer, in pricing products and establishing insurance contract liabilities, to make assumptions regarding expected levels of income, claims and expenses and how policyholder behaviours and market risks might impact these assumptions. As a result, the Company is exposed to product design and pricing risk which is the risk of financial loss resulting from transacting business where the costs and liabilities arising in respect of a product line exceed the pricing expectations.

Insurance contract liabilities are established to fund future claims and include a provision for adverse deviation, set in accordance with professional actuarial standards. Insurance contract liability valuation requires regular updating of assumptions to reflect emerging experience.

A governance structure has been implemented for the management of insurance risk. Business units are the ultimate owners of insurance risk and as such have primary responsibility for the identification, measurement, management, monitoring and reporting of insurance risk. The Risk Function, supported by Corporate Actuarial, is primarily responsible for oversight of the insurance risk management framework. The Company has established an Insurance Risk Committee to provide oversight of insurance risk, which includes completing reviews and making recommendations regarding risk limits, the risk policy and associated compliance, excess management and mitigation pertaining to insurance risk. Each business segment has established oversight committees and operating committees to help manage insurance risk within the segment.

The Company's Insurance Risk Policy sets out the insurance risk management framework and provides the principles for insurance risk management. This policy is supported by several other policies and guidelines that provide detailed guidance, including:

- Product Design and Pricing Risk Management Policy and Reinsurance Risk Management Policy, which provide guidelines and standards for the product design and pricing risk management processes and reinsurance ceded risk management practices;
- Corporate Actuarial Valuation Policy, which provides documentation and control standards consistent with the valuation standards of the Canadian Institute of Actuaries; and
- Participating Account Management Policies and Participating Policyholder Dividend Policies, which govern the management of participating accounts and provide for the distribution of a portion of the earnings in the participating account as participating policyholder dividends.

The Risk Function, in conjunction with Corporate Actuarial, implements a number of processes to carry out its responsibility for oversight of insurance risk. It reviews the Insurance Risk Policy relative to current risk exposures and updates it as required. It reviews insurance risk management processes carried out by the business units, including product design and pricing, underwriting, claims adjudication, and reinsurance ceding, and provides challenge as required.

The Risk Function works with the business units and other oversight functions to identify current and emerging insurance risks and take appropriate action, if required. Insurance risk limits, risk budgets and RFIs are set to keep the insurance risk profile within the Company's appetite for insurance risk and the Risk Function regularly monitors the insurance risk profile relative to these measures. Any excesses are required to be escalated so that appropriate remediation may be implemented. The Risk Function performs stress testing and does analysis of insurance risks, including review of experience studies. It provides regular reporting on these activities to the business units, senior management, and risk oversight committees. The Risk Function performs thematic reviews and/or enhances the monitoring and reporting of associated exposures to these risks.

Risks and risk management activities associated with the broad insurance risk categories are detailed below.

#### Mortality and Morbidity Risk

Mortality risk is the risk of loss resulting from adverse changes in the level, trend, or volatility of mortality rates, where an increase in the mortality rate leads to an increase in the value of insurance contract liabilities.

Morbidity risk is the risk of loss resulting from adverse changes in the level, trend, or volatility of disability, health, dental, critical illness and other sickness rates, where an increase in the incidence rate or a decrease in the disability recovery rate leads to an increase in the value of insurance contract liabilities.

There is a risk that the Company will mis-estimate the level of mortality or morbidity, or write business which generates worse mortality and morbidity experience than expected.

The Company employs the following practices to manage its mortality and morbidity risk:

- Research and analysis is done regularly to provide the basis for pricing and valuation assumptions to properly reflect the insurance and reinsurance risks in markets where the Company is active.
- Underwriting limits, practices and policies control the amount of risk exposure, the selection of risks insured for consistency with claims expectations and support the long-term sustainability of the Company.
- The insurance contract liabilities established to fund future claims include a provision for adverse deviation, set in accordance with actuarial standards. This margin is required to provide for the possibilities of mis-estimation of the best estimate and/or future deterioration in the best estimate assumptions.
- The Company sets retention limits for mortality and morbidity risks. Aggregate risk is managed through a combination of reinsurance and capital market solutions to transfer the risk where appropriate.
- For Group life products, exposure to a concentrated mortality event due to concentration of risk in specific locations for example, could have an impact on financial results. To manage the risk, concentrations are monitored for new business and renewals. The Company may impose single-event limits on some group plans and declines to quote in localized areas where the aggregate risk is deemed excessive.
- Effective plan design and claims adjudication practices, for both morbidity and mortality risks are critical to the management of the risk. As an example, for Group healthcare products, inflation and utilization will influence the level of claims costs, which can be difficult to predict. The Company manages the impact of these and similar factors through plan designs that limit new costs and long-term price guarantees and include the ability to regularly re-price for emerging experience.
- The Company manages large blocks of business, which, in aggregate, are expected to result in relatively low statistical fluctuations in any given period. For some policies, these risks are shared with the policyholder through adjustments to future policyholder charges or in the case of participating policies through future changes in policyholder dividends.

#### **Longevity Risk**

Longevity risk is the risk of loss resulting from adverse changes in the level, trend, or volatility of mortality rates, where a decrease in the mortality rate leads to an increase in the value of insurance contract liabilities. Annuities, some segregated fund products with Guaranteed Minimum Withdrawal Benefits and longevity reinsurance are priced and valued to reflect the life expectancy of the annuitant. There is a risk that annuitants could live longer than was estimated by the Company, which would increase the value of the associated insurance contract liabilities.

Business is priced using mortality assumptions which consider recent Company and industry experience and the latest research on expected future trends in mortality.

Aggregate risk is managed through reinsurance to transfer the risk as appropriate, as well as consideration of capital market solutions if deemed necessary. The Company has processes in place to verify annuitants' eligibility for continued income benefits. These processes are designed to ensure annuity payments accrue to those contractually entitled to receive them and help ensure mortality data used to develop pricing and valuation assumptions is as complete as possible.

#### Policyholder Behaviour Risk

Policyholder behaviour risk is the risk of loss resulting from adverse changes in the level or volatility of the rates of policy lapses, terminations, renewals, surrenders, or exercise of embedded policy options.

Many products are priced and valued to reflect the expected duration of contracts and the exercising of options embedded in those contracts. There is a risk that contracts may be terminated earlier or later than assumed in pricing and plan design. To the extent that higher costs are incurred in early contract years, there is a risk that contracts are terminated before higher early expenses can be recovered. Conversely, on certain long-term level premium products where costs increase by age, there is risk that contracts are terminated later than assumed.

Business is priced using policy termination assumptions which consider product designs and policyholder options, recent Company and industry experience and the latest research on expected future trends. Assumptions are reviewed regularly and are updated as necessary for both pricing of new policies and valuation of in-force policies.

The Company also incorporates early surrender charges into certain contracts and incorporates commission chargebacks in its distribution agreements to reduce unrecovered expenses.

Policyholder taxation rules in many jurisdictions help encourage the retention of insurance coverage.

### **Expense Risk**

Expense risk is the risk of loss resulting from adverse variability of expenses incurred with fee-for-service business or in servicing and maintaining insurance, savings or reinsurance contracts, including direct expenses and allocations of overhead costs.

Expense management programs are regularly monitored to control unit costs while maintaining effective service delivery.

#### **Property Catastrophe Risk**

Property catastrophe risk is the risk of loss resulting from adverse changes in property damage experience and is mainly related to extreme or catastrophic events.

The reinsurance business in particular has exposure to extreme or catastrophic events that result in property damage. As a retrocessionaire for property catastrophe risk, the Company generally participates at more remote event-loss exposures than primary carriers and reinsurers. Generally, an event of significant size must occur prior to the Company incurring a claim. The Company limits the total maximum claim amount under all property catastrophe contracts. The Company monitors cedant companies' claims experience and research from third party expert risk models on an ongoing basis and incorporates this information in pricing models to ensure that the premium is adequate for the risk undertaken.

### **Operational Risk**

## **Risk Description**

Operational risk is the risk of loss resulting from potential problems relating to internal processes, people and systems or from external events. Exposure to operational risk results from either normal day-to-day operations or a specific unanticipated event, and can have material financial and/or reputational consequences.

### **Operational Risk Management**

The Company has established processes to identify, assess, mitigate and mange operational risks. However, the Company's operations require multiple processes, systems and stakeholders to interact across the enterprise on an ongoing basis and operational risk remains an inherent feature of the Company's business model that cannot be fully eliminated.

The Company actively manages operational risks to support operational resilience across key processes and services and to maintain a strong reputation, standing and financial strength.

A governance structure has been implemented for the management of operational risk. Business units are the ultimate owners of operational risk and as such have primary responsibility for the identification, measurement, management, monitoring and reporting of operational risk. The Company has established an Operational Risk Committee to provide oversight of operational risk, which includes completing reviews, reporting, and monitoring risks; and making recommendations regarding risk limits, risk policies and mitigation pertaining to operational risks. Each business segment has established oversight committees and operating committees to help manage operational risk across their business.

The Company's Operational Risk Policy is supported by standards and guidelines that relate to specialized functions including detailed practices related to stress testing, modeling, fraud, regulatory compliance, technology and cybersecurity risk management, risk data aggregation and risk reporting. The Company implements controls to manage operational risk through integrated policies, procedures and processes, with consideration given to the cost/benefit trade-off. Processes and controls are monitored and refined by the business areas and periodically reviewed by the Company's Internal Audit department. Financial reporting processes and controls are further examined by external auditors.

The Company also manages operational risks through the corporate insurance program which mitigates a portion of the operational risk exposure by purchasing insurance coverage that provides protection against unexpected material losses resulting from events such as property loss, cyberattack or damage and liability exposures. The nature and amount of insurance protection purchased is assessed with regard to the Company's risk profile, risk appetite and tolerance for the associated risks, as well as legal requirements and contractual obligations.

The Company employs a combination of operational risk management methods including risk and control assessments, internal control factors and risk event analyses. For the identification of operational risks, the Company utilizes risk and control assessments which systematically identify and assess potential operational risks and associated controls. Internal and external operational risk events are analyzed to identify root causes and provide insights into potential new operational risks that could impact the Company. In addition, scenario analysis is employed to identify and quantify potential severe operational risk exposures, while RFIs, risk appetite preferences, and other processes are leveraged to measure, manage and monitor operational risks.

The Risk Function monitors the status of actions being undertaken to remediate risks to ensure that risk exposures are mitigated in a timely manner. Processes are in place to escalate significant matters to senior management to inform and enable management to take appropriate action when needed. The Risk Function regularly reports on the Company's operational risk profile to executive management, the Board of Directors and various committees at enterprise, business segment and legal entity levels.

Operational resilience is an outcome from the ability to embed capabilities, processes, and systems to successfully deliver critical operations, through disruption. Operational resilience emphasizes preparation, response, recovery, learning, and adaptation by assuming disruptions, including simultaneous disruptions, will occur.

Key operational risks and the Company's approach to managing them are outlined below.

#### **Legal and Regulatory Compliance Risk**

Legal and regulatory risk is the risk of loss resulting from non-compliance with specific local or international rules, laws, regulations, or prescribed practices, as well as civil or criminal litigation engaged in/by the Company. As a multi-national enterprise, the Company and certain of its subsidiaries are subject to extensive legal and regulatory requirements in Canada, the U.S., the U.K., Ireland, Germany and other jurisdictions. These requirements cover most aspects of the Company's operations including capital adequacy, privacy, liquidity and solvency, investments, the sale and marketing of insurance and wealth products, the business conduct of insurers, asset managers and investment advisors as well as reinsurance processes. Material changes in the legal or regulatory framework or the failure to comply with legal and regulatory requirements could have an adverse effect on the Company. An increase in the pace of regulatory change could lead to increased operational costs to implement changes and ensure ongoing compliance.

Legal and regulatory risk is managed through coordination between first and second line of defense functions. The Company records, manages and monitors the regulatory compliance environment closely, using the subject matter expertise of both local and enterprise-wide Compliance and Legal stakeholders and reporting on emerging changes that could have a significant impact on the Company's operations or business.

The Company is subject to the risk of litigation and regulatory action relating to its business, operations, products, securities and contractual relationships and it establishes contingency reserves for litigation that it determines are appropriate.

#### **People Risk**

People risk is the risk of loss resulting from the inadequate management of human capital or the misalignment of human resources policies, programs and practices with employment-related legislation, regulatory expectations or the Company's strategic objectives, risk appetite and values. The Company has compensation programs, succession planning, talent management and employee engagement processes that are designed to manage these risks, support a high performance culture and maintain a highly skilled workforce that is reflective of the diverse cultures and practices of the countries in which the Company operates. The Company's ability to recognize and accommodate changing trends with respect to human resources in the industry is important to execute upon business strategies.

### **Technology Risk**

Technology risk is the risk of loss from improper system or control design, improper operation, delivery of or unauthorized access to information and technology resources that can significantly impact the Company's ability to operate efficiently, stay compliant with regulations and maintain its financial integrity and reputation. More specifically, technology risk includes cyber and information security risk, technology operations risk and technology delivery risk.

The nature of advancing technology introduces additional uncertainty as to how the insurance industry will evolve. Cloud services, which are being adopted by the Company to improve systems flexibility and information security, require scrutiny as digital supply chains grow in complexity.

Technology is a critical component of the Company's business operations and is also central to the Company's customer-focused digital strategy. The Company continues to face technology and cyber risks stemming from legacy technology constraints and the advancement of techniques used in cyber-attacks.

The Company continues to implement new risk management processes and practices designed to allow it to better identify, measure, mitigate and report on technology risk, but those processes and practices continue to require further development as well as ongoing updates as technology and business needs evolve. The Company's strategy and approach to managing technology and cyber risks includes policies that govern the technology environment and set standards related to information security and the use of technology, including:

- the use of multiple layers of technologies that are designed to prevent unauthorized access, ransomware attacks, distributed denial of service and other cyber-attacks;
- coordinated global and regional information security offices that gather threat intelligence, detect, monitor and respond to security events and conduct regular threat and vulnerability risk assessments;
- independent oversight and assessment of the approach taken to mitigate technology and cyber risks by the Technology Risk Management team, an independent group that acts as the second line of defense; and
- · regular cyber security awareness sessions and mandatory cyber security training for all employees.

#### **Business Continuity Risk**

Business continuity risk is the risk of loss as a result of the failure to provide for business processes and operations under adverse conditions that may arise from natural, technological or human caused events involving the loss of workplace, workforce, technology and supply chain outages and disruptions.

A business continuity management framework has been implemented to manage business continuity risks and impacts through the development, testing, training and maintenance in four key areas: emergency response planning, incident management planning, business continuity planning and technology resilience which includes disaster recovery planning.

#### **Process & Infrastructure Risk**

Process and infrastructure risk is the risk of loss resulting from inadequate or failed business processes that deliver products and services and grow shareholder value, or the risk of loss resulting from the reduction or non-availability of corporate facilities, physical assets or physical security. These processes include change management, data aggregation and reporting, product development, product introduction, new business (including the distribution and sales process) and renewal (including the underwriting process), investment activities, client administration, claims and benefit payments, financial modelling and financial management. The inadequacy can arise in transaction processing, governance, communication or general process management.

Risk management seeks strategic alignment and congruency across all of the Company's business activities, including change initiatives and business-as-usual activities, with the Company's operational risk appetite and considers the potential impact on the Company's reputation. The Company monitors change initiatives to mitigate risks and realize benefits. Core business operational activities have quality control measures in place.

One of the processes relates to model risk and use of models. The Company uses models in many functions and processes that support business decisions and reporting. Model risk arises from the potential for adverse consequences from decisions based on incorrect models or misused model outputs and reports. Robust processes are in place for the management and oversight of model risk as outlined in the Model Risk Management and Validation Standard.

Further, the Company seeks to control processes across the value chain through automation, standardization and process improvements to prevent or reduce operational losses.

#### **Fraud Risk**

Fraud risk is the risk of loss resulting from acts or activities that are intended to defraud, misappropriate assets, or circumvent laws or regulations by customers, contractors or other third parties, directors, officers, employees or advisors. The fraud environment continues to intensify for financial institutions, due to increased financial pressures that may motivate and rationalize fraudulent behavior and progressively sophisticated methods of organized fraud and cyber fraud. Fraud can result in a financial loss or reputational impact to the Company and have other impacts that are detrimental to customers and other stakeholders.

The Company has established a formal program with governance, principles and process requirements outlined in a Fraud Risk Management Policy and the corresponding Fraud Risk Operating Standard to assess, prevent, detect, investigate and respond to fraud in a timely manner. Additionally, the Code of Conduct and Fraud Risk Management Policy highlight management's commitment to acting with integrity and strong fraud risk awareness culture.

#### **Supplier Risk**

Supplier risk is the risk of loss resulting from the failure to establish and manage adequate supplier arrangements, transactions or other interactions to meet the expected or contracted service level. Supplier risk is applicable to both external and internal suppliers.

The Company strategically engages suppliers to maintain cost efficiency, to optimize internal resources and capital and to utilize skills, expertise and resources not otherwise available to the Company. Suppliers are engaged based on our prescribed supplier risk management principles in our Supplier Risk Management Policy. The Company applies a supplier risk management framework and risk mitigation activities needed (e.g. risk assessments, due diligence, etc.) to oversee and monitor interactions with suppliers throughout the entire supplier lifecycle, including how they meet standards for quality of service and protect stakeholders and the interests of the Company.

#### **Conduct Risk**

#### **Risk Description**

Conduct risk is the risk of unfair outcomes for customers as a result of inadequate or failed processes and/or inappropriate behaviours, offerings or interactions by the Company or its agents. A failure to identify and mitigate conduct risk impacts not only the Company's customers but can also have adverse reputational and financial consequences for the Company due to the cost of customer remediation, damage to reputation and/or regulatory fines.

### **Conduct Risk Management**

The Company manages conduct risk through various processes which include:

- formalized policies, frameworks, employee training and senior management reporting;
- providing appropriate and clear customer disclosures and communications;
- applying product design, complaint, claims management and sales and advice processes that consider outcomes to customers and customer vulnerability; and
- conducting risk-based advisor assessments and suitability reviews, maintaining controls and adhering to Board-approved policies and processes, including the Conduct Risk Policy and the Code of Conduct.

Conduct risk is incorporated in risk management and compliance activities, including risk and control assessments, internal events reporting, emerging risk assessments, and other measurement, monitoring and reporting activities.

## Strategic Risk

#### **Risk Description**

Strategic risk is the risk of failing to set or meet appropriate strategic objectives in the context of the internal and external operating environment resulting in a material impact on business performance (e.g. earnings, capital, reputation or standing).

Strategic risk may reflect intentional risk-taking in anticipation or response to industry forces or it may emerge as unintended consequences from changes to strategy, execution of strategy, or from lack of responsiveness to external forces.

#### Strategic Risk Management

Strategic risk-taking is inherent to achieving strategic objectives and arises from the fundamental decisions made and actions taken concerning an organization's objectives. It may relate to or stem from the design and development of strategy, including the formulation, evaluation and ongoing validation of strategy, or execution of corporate and business strategies, and management of associated risks stemming from the same.

The Company's Strategic Risk Management Framework is designed to identify, measure, manage, monitor and report on strategic risk, and is supported by Policies, Standards and Guidelines for both first and second lines of defense.

Strategic risk management spans the development and refinement of strategy, the translation of strategy into tangible activities, alignment of resources to requirements for executing the strategy, execution of strategy, and ongoing activities to monitor and adjust strategies or related initiatives. Strategic risks are monitored at all stages of the strategy management lifecycle.

The Company aligns business strategies with its risk appetite and mitigates exposure to strategic risk through strategic planning and value-based decision making, establishing appropriate performance indicators, reporting of strategy execution and implementation against strategic goals and ongoing monitoring, together with robust oversight and challenge.

The Company identifies and manages strategic risk in relation to both new and existing strategies, strategic initiatives, and any new business development with the potential to have significant strategic impact on the business or overall portfolio. Major initiatives undergo a comprehensive risk assessment to review alignment with risk appetite, and are subject to regular and robust monitoring and oversight.

#### Other Risks

### **Sustainability Risk**

Sustainability risk is the risk that the interests of the Company's customers and other stakeholders are not protected or that business operations and business growth are not sustained due to failure to meet societal expectations related to corporate social responsibilities.

Dynamics and attitudes towards societal issues continue to evolve. Factors such as diversity and inclusion and climate change are now a significant focus on the Company's strategic agenda. The Company may experience direct or indirect financial, operational or reputational impact stemming from societal related events, which include climate change, regulatory enforcement or costs associated with changes in environmental laws and regulations as well as diversity and inclusion-related matters.

Sustainability considerations are formally reflected in the Company's risk management principles and associated policies. The Company recognizes that sustainability risk impacts both financial risks (market, credit and insurance) as well as non-financial risks (operational, conduct and strategic). Sustainability risk is not a stand-alone risk type, but underlies all risk types. As a result, the processes for managing sustainability risk are embedded in the processes for managing each risk type.

The Company takes a balanced and sustainable approach to conducting business. The Company has established environmental policies and guidelines pertaining to the acquisition and ongoing management of investment properties, loans secured by real property and investments in equity and fixed-income securities. These policies are approved by the Board of Directors and are reviewed annually.

The Financial Stability Board (FSB) established the Task Force on Climate-related Financial Disclosures (TCFD) to develop recommendations for climate-related disclosure that could encourage more informed investment, credit and insurance underwriting decisions and allow for a better understanding of carbon-related assets in the financial sector and the financial system's exposures to climate risks. The Company is an official supporter of the TCFD recommendations. The Company is also an active participant in the UN-sponsored "Capital as a Force for Good" project and a member of the Canada Sustainable Finance Action Council.

The Company has made available on its website its annual disclosure to CDP (formerly the Carbon Disclosure Project) which is in alignment with the TCFD recommendations. Through its CDP reporting, the Company has demonstrated its commitment to sustainability across its operations, risk management practices and in assessing the exposure of its investment portfolio to a broad range of climate-related risks and opportunities. The Company's annual response to CDP's Climate Change Questionnaire details our commitment to understanding and proactively addressing the potential impacts that climate change may have on our business and that our business may have on the environment.

The Company's objective is to achieve net zero greenhouse gas (GHG) emissions by 2050 for both operations and investments. The Company is continuing to work towards setting interim science-based targets. In addition, the Company is on track to grow women in management roles to 50% across its business segments by 2030 and it is working to increase representation of underrepresented minorities in management to 25% by 2030.

#### **Holding Company Structure Risk**

As a holding company, the Company's ability to pay interest, dividends and other operating expenses and to meet its obligations generally depends upon receipt of sufficient funds from its principal subsidiaries and its ability to raise additional capital.

In the event of bankruptcy, liquidation or reorganization of any of these subsidiaries, insurance and investment contract liabilities of these subsidiaries will be completely provided for before any assets of such subsidiaries are made available for distribution to the Company. In addition, the other creditors of these subsidiaries will generally be entitled to the payment of their claims before any assets are made available for distribution to the Company except to the extent that the Company is recognized as a creditor of the relevant subsidiaries.

Any payment (including payment of interest and dividends) by the principal subsidiaries is subject to restrictions set forth in relevant insurance, securities, corporate and other laws and regulations, which require that solvency and capital standards be maintained by Canada Life, Empower and their subsidiaries and certain subsidiaries of Putnam. There are considerable risks and benefits related to this structure.

Management monitors the solvency and capital positions of its principal subsidiaries opposite liquidity requirements at the holding company level. Management also establishes lines of credit for additional liquidity and may also access capital markets for funds. Management monitors compliance with the regulatory laws and regulations at both the holding company and operating company levels.

## **Mergers and Acquisitions Risk**

Periodically, the Company and its subsidiaries evaluate existing companies, businesses, assets, products and services. Such reviews could result in the Company or its subsidiaries acquiring or divesting of businesses or assets. In the ordinary course of business, the Company considers and discusses the purchase or sale of companies, businesses segments or assets.

If effected, such transactions could be material to the Company in size or scope, could result in risks and contingencies relating to companies, businesses or assets that the Company acquires or expose it to the risk of claims relating to those it has divested, could result in changes in the value of the securities of the Company, including the common shares of the Company, and could result in the Company holding additional capital for contingencies that may arise after the transaction is completed. Strategic and integration risks related to mergers and acquisitions can also emerge due to external risks that are difficult to anticipate and may result in reduced synergies and negative impact on value capture.

To mitigate these risks, due diligence reviews of potential transactions are undertaken, and risks are assessed in the context of our Risk Appetite. For acquisitions, an integration strategy is established that considers the values, norms, and culture of the target company, including monitoring of new and emerging risks that may impede efficiency and delay the consolidation process. Before acquiring or divesting companies, businesses, business segments, or assets, Operating Segments assess and provide assurance that systems and processes are appropriate to manage the risks after the transaction is completed, and regular monitoring and oversight of transaction activities is conducted.

### **Tax Regime Risk**

The Company operates in a number of countries each with its own distinct tax regime, encompassing various levels of government and a range of tax mechanisms, such as income taxes, capital taxes, payroll taxes, value add taxes, sales taxes, etc. and further, may provide tax incentives for certain types of products (examples include support for pensions, retirement savings and life & health insurance). These jurisdictions periodically review and amend various aspects of the tax regime that can have an impact on the business of the Company.

There is a risk that changes to tax rates may increase the tax expense to the Company, adversely impacting earnings. There is also a risk that a reduction or elimination in the level of tax incentives on products offered by the Company may adversely impact demand for those products.

Management actively monitors changes in tax regimes in countries where it has operations and proactively responds to tax changes that may have potential impacts on its business. Refer to the "Income Tax" section of this document for additional details.

#### **Product Distribution Risk**

Product distribution risk is the risk of loss resulting from the Company's inability to market its products through its network of distribution channels and intermediaries. These intermediaries generally offer their clients products in addition to, and in competition with, the Company's products, and are not obligated to continue working with the Company. In addition, certain investors rely on consultants to advise them on the choice of provider and the consultants may not always consider or recommend the Company. The loss of access to a distribution channel, the failure to maintain effective relationships with intermediaries or the failure to respond to changes in distribution channels could have a significant impact on the Company's ability to generate sales.

Product distribution risk is managed by maintaining a broad network of distribution relationships, with products distributed through numerous broker-dealers, managing general agencies, financial planners, banks and other financial institutions.

## **Exposures and Sensitivities**

## **Insurance and Investment Contract Liabilities**

In determining the Company's insurance contract liabilities, valuation assumptions are 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. When the assumptions are revised to reflect emerging experience or change in outlook, the result is a change in the value of liabilities which in turn affects the Company's earnings.

The following table illustrates the approximate impact to the Company's earnings that would arise as a result of changes to management's best estimate of certain assumptions. For changes in asset related assumptions, the sensitivity is shown net of the corresponding impact on earnings of the change in the value of the assets supporting liabilities. These earnings sensitivities represent impacts under the Company's accounting policies as at December 31 2022, including accounting for insurance contracts under IFRS 4 and IAS 39. These sensitivities may change on transition to IFRS 17 and IFRS 9.

	Increase in net	
	 2022	2021
Mortality – 2% increase	\$ (247)	\$ (276)
Annuitant mortality – 2% decrease	\$ (522)	\$ (722)
Morbidity – 5% adverse change	\$ (253)	\$ (262)
Investment returns		
Parallel shift in yield curve		
1% increase	\$ -	\$ -
1% decrease	\$ -	\$ -
Change in interest rates		
1% increase	\$ 79	\$ 197
1% decrease	\$ (290)	\$ (555)
Change in publicly traded common stock values		
20% increase	\$ 37	\$ 21
10% increase	\$ 27	\$ 13
10% decrease	\$ (28)	\$ (19)
20% decrease	\$ (146)	\$ (66)
Change in other non-fixed income asset values		
10% increase	\$ 52	\$ 79
5% increase	\$ 26	\$ 39
5% decrease	\$ (70)	\$ (30)
10% decrease	\$ (236)	\$ (112)
Change in best estimate return assumptions for equities		
1% increase	\$ 525	\$ 567
1% decrease	\$ (620)	\$ (649)
Expenses – 5% increase	\$ (193)	\$ (207)
Policy termination and renewal – 10% adverse change	\$ (945)	\$ (1,002)

Refer to the "Accounting Policies – Summary of Critical Accounting Estimates" section of this document for additional information on earnings sensitivities.

## **Accounting Policies**

## **Summary of Critical Accounting Estimates**

The preparation of financial statements in accordance with IFRS requires management to make estimates, judgments and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the reporting date, and the reported amounts of revenue and expenses during the reporting period. The results of the Company reflect management's judgments regarding the impact of prevailing market conditions related to global credit, equities, investment properties and foreign exchange and prevailing health and mortality experience. The fair value of portfolio investments, the valuation of goodwill and other intangible assets, the valuation of insurance contract liabilities and the recoverability of deferred tax asset carrying values reflect management's judgement based on current expectations but could be impacted in the future depending on current market developments.

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 independent third-party credit ratings where available as an input to its internal credit rating process. Investment properties, which are primarily held in the U.K. and Canada, rely upon independent third-party appraisals for their valuation which impact the estimation of insurance contract liabilities. Independent appraisals for the portfolio occur over the year with management adjustments for material changes in the interim periods. Credit rating changes for fixed income investments and market values for investment properties may lag developments in the current environment. Subsequent credit rating adjustments and market value adjustments on investment properties will impact actuarial liabilities.

The significant accounting estimates include the following:

#### **Fair Value Measurement**

Financial and other instruments held by the Company include portfolio investments, various derivative financial instruments, debentures and other debt instruments.

Financial instrument carrying values reflect the liquidity of the markets and the liquidity premiums embedded in the market pricing methods the Company relies upon.

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

Level 1 inputs utilize observable, quoted prices (unadjusted) in active markets for identical assets or liabilities that the Company has the ability to access.

Level 2 inputs utilize other than quoted prices included in Level 1 that are observable for the asset or liability, either directly or indirectly.

Level 3 inputs 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.

In certain cases, the inputs used to measure fair value may fall into different levels of the fair value hierarchy. In such cases, the level in the fair value hierarchy within which the fair value measurement in its entirety has been determined based on the lowest level input that is significant to the fair value measurement in its entirety. The Company's assessment of the significance of a particular input to the fair value measurement in its entirety requires judgment and considers factors specific to the asset or liability.

Refer to note 9 in the Company's December 31, 2022 annual consolidated financial statements for disclosure of the Company's financial instruments fair value measurement by hierarchy level as at December 31, 2022.

Fair values for bonds classified as fair value through profit or loss or available-for-sale are determined using quoted market prices. Where prices are not quoted in an active market, fair values are determined by valuation models primarily using observable market data inputs. Market values for bonds and mortgages classified as loans and receivables are determined by discounting expected future cash flows using current market rates.

Fair values for equity release mortgages classified as fair value through profit or loss are determined by an internal valuation model that uses discounted future cash flows. Inputs to the model include market observable and non-market observable inputs.

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 based on expected dividends and where market value cannot be measured reliably, fair value is estimated to be equal to cost. Fair values for investment properties are determined using independent 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.

### **Investment 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 no longer reasonable assurance of timely collection of the full amount of the principal and interest due. 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 the estimated realizable value. For impaired available-for-sale bonds recorded at fair value, the accumulated loss recorded in accumulated other comprehensive income (loss) 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, in the event of an impairment, the reduction 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.

## Goodwill and intangibles impairment testing

Goodwill and indefinite life intangible assets, including those resulting from an acquisition during the year, 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 loss or a portion thereof.

Goodwill has been allocated to (cash generating unit) CGU groupings, representing the lowest level that the assets are monitored for internal reporting purposes. Goodwill is tested for impairment by comparing the carrying value of each CGU grouping to its recoverable amount. An impairment loss is recognized for the amount by which the asset's carrying amount exceeds its recoverable amount.

Intangible assets have been allocated to CGUs, representing the lowest level that the assets are monitored for internal reporting purposes.

Intangible assets with an indefinite useful life are reviewed annually to determine if there are indicators of impairment. If indicators of impairment have been identified, a test for impairment is performed and recognized as necessary. Impairment is assessed by comparing the carrying values of the assets to their recoverable amounts. An impairment loss is recognized for the amount by which the asset's 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 annually to determine if there are indicators of impairment and assess whether the amortization periods and methods are appropriate. If indicators of impairment have been identified, a test for impairment is performed and then the amortization of these assets is adjusted or impairment is recognized as necessary.

### Insurance and investment contract liabilities

Insurance and investment 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 inforce with the Company. The Appointed Actuaries of the Company's subsidiaries 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 (CALM). 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/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.

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.

The earnings sensitivities illustrated in this "Accounting Policies – Summary of Critical Accounting Estimates" section represent impacts under the Company's accounting policies as at December 31 2022, including accounting for insurance contracts under IFRS 4 and IAS 39. These sensitivities may change on transition to IFRS 17 and IFRS 9. The methods for arriving at these valuation assumptions are outlined below.

Mortality – A life insurance mortality study is carried out regularly 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. Annuitant mortality is also studied regularly, and the results are used to modify established annuitant mortality tables. When there is insufficient data, use is made of the latest industry experience to derive an appropriate valuation mortality assumption. Improvement scales for life insurance and annuitant mortality are updated periodically based on population and industry studies, product specific considerations, as well as professional guidance. In addition, appropriate provisions are made for future mortality deterioration on term insurance.

- A 2% increase in the best estimate life insurance mortality assumption would cause a decrease in net earnings of approximately \$247 million.
- A 2% decrease in the best estimate annuitant assumption would cause a decrease in net earnings of approximately \$522 million.

*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. For products for which morbidity is a significant assumption, a 5% decrease in best-estimate termination assumptions for claim liabilities and a 5% increase in best-estimate incidence assumptions for active life liabilities would cause a decrease in net earnings of approximately \$253 million.

**Property and casualty reinsurance** – Insurance contract liabilities for property and casualty reinsurance written by the Capital and Risk Solutions segment are determined using accepted actuarial practices for property and casualty insurers in Canada. The insurance contract liabilities are based on cession statements provided by ceding companies. 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 net earnings. The Capital and Risk Solutions segment 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 CALM to determine insurance contract liabilities. Cash flows from assets are reduced to provide for asset default losses. Testing under a number of interest rate scenarios (including increasing, decreasing and fluctuating rates) is done to provide for reinvestment risk because the Company's sensitivity to interest rate movements varies at different terms.

The total provision for interest rate 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 provision is set in consideration of long-term historical results and is monitored quarterly with a full review annually. The impact to the value of liabilities from an immediate parallel 1% increase or 1% decrease in the interest rates would be largely offset by changes in the value of assets supporting the liabilities. Actual movements in interest rates may produce different impacts on the value of liabilities, net of changes in the value of assets supporting liabilities, depending on the extent of the change in interest rates in different geographies and at different durations. An immediate 1% increase in interest rates in Canada could lead to an increase in the value of liabilities, net of changes in the value of assets supporting liabilities, and a decrease in net earnings, but the impact would not be expected to be material.

The following is the impact to the value of liabilities net of changes in the value of assets supporting liabilities of an immediate parallel 1% increase or 1% decrease in the interest rates as well as a corresponding parallel shift in the ultimate reinvestment rates, as defined in the actuarial standards.

- 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 \$92 million causing an increase in net earnings of approximately \$79 million.
- 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 \$386 million causing a decrease in net earnings of approximately \$290 million.

In addition to interest rates, the Company is also exposed to movements in equity markets.

Some insurance and investment contract liabilities with long-tail cash-flows are supported by publicly traded common stocks and investments in other non-fixed income assets, primarily comprised of investment properties, real estate funds, private stocks, and equity release mortgages. The value of the liabilities may fluctuate with changes in the value of the supporting assets. The liabilities for other products such as segregated fund products with guarantees also fluctuate with equity values.

There may be additional market and liability impacts as a result of changes in the value of publicly traded common stocks and other non-fixed income assets that will cause the liabilities to fluctuate differently than the equity values. This means that there is a greater impact on net earnings from larger declines in equity values, relative to the change in equity values. Declines in equity values beyond those shown below would have a greater impact on net earnings, relative to the change in equity values.

The following shows the expected impact of an immediate 10% or 20% increase or decrease in the value of publicly traded common stocks on insurance and investment contract liabilities and on the shareholders' net earnings of the Company. The expected impacts take into account the expected changes in the value of assets supporting liabilities and hedge assets:

- A 10% increase in publicly traded common stock values would be expected to additionally decrease non-participating insurance and investment contract liabilities by approximately \$31 million, causing an increase in net earnings of approximately \$27 million.
- A 10% decrease in publicly traded common stock values would be expected to additionally increase non-participating insurance and investment contract liabilities by approximately \$31 million, causing a decrease in net earnings of approximately \$28 million.
- A 20% increase in publicly traded common stock values would be expected to additionally decrease non-participating insurance and investment contract liabilities by approximately \$43 million, causing an increase in net earnings of approximately \$37 million.
- A 20% decrease in publicly traded common stock values would be expected to additionally increase non-participating insurance and investment contract liabilities by approximately \$180 million, causing a decrease in net earnings of approximately \$146 million.

The following provides information on the expected impacts of an immediate 5% or 10% increase or decrease in the value of other non-fixed income assets on insurance and investment contract liabilities and on the shareholders' net earnings of the Company. The expected impacts take into account the expected changes in the value of assets supporting liabilities:

- A 5% increase in other non-fixed income asset values would be expected to decrease non-participating insurance and investment contract liabilities by approximately \$32 million, causing an increase in net earnings of approximately \$26 million.
- A 5% decrease in other non-fixed income asset values would be expected to increase non-participating insurance and investment contract liabilities by approximately \$90 million, causing a decrease in net earnings of approximately \$70 million.
- A 10% increase in other non-fixed income asset values would be expected to decrease non-participating insurance and investment contract liabilities by approximately \$63 million, causing an increase in net earnings of approximately \$52 million.
- A 10% decrease in other non-fixed income asset values would be expected to increase non-participating insurance and investment contract liabilities by approximately \$302 million, causing a decrease in net earnings of approximately \$236 million.

The Canadian Institute of Actuaries Standards of Practice for the valuation of insurance contract liabilities establish limits on the investment return assumptions for publicly traded common stocks and other non-fixed income assets which are generally based on historical returns on market indices. The sensitivities shown in the tables above allow for the impact of changes in these limits following market declines.

The best-estimate return assumptions for publicly traded common stocks, and other non-fixed income assets 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 \$676 million causing an increase in net earnings of approximately \$525 million.
- A 1% decrease in the best estimate assumption would be expected to increase non-participating insurance contract liabilities by approximately \$806 million causing a decrease in net earnings of approximately \$620 million.

For a further description of the Company's sensitivity to equity market and interest rate fluctuations, refer to "Financial Instruments Risk Management", note 8 in the Company's annual consolidated financial statements for the period ended December 31, 2022.

*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. An inflation assumption is incorporated in the estimate of future operating expenses consistent with the interest rate scenarios projected under CALM as inflation is assumed to be correlated with new money interest rates. A 5% increase in the best estimate maintenance unit expense assumption would cause a decrease in net earnings of approximately \$193 million.

**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's most significant exposures are in respect of the T-100 and Level Cost of Insurance Universal Life products in Canada and policy renewal rates at the end of the term for renewable term policies in the Canada and Capital and Risk Solutions segments. Industry experience has guided the Company's assumptions for these products as its own experience is very limited. A 10% adverse change in the best-estimate policy termination and renewal assumptions would cause a decrease in net earnings of approximately \$945 million.

*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 otherwise based on judgement 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' net earnings is reflected in the impacts of changes in best estimate assumptions above.

### Income taxes

The Company is subject to income tax laws in various jurisdictions. The Company's operations are complex and related income tax interpretations, regulations and legislation that pertain to its activities are subject to continual change. As life insurance companies, the Company's primary Canadian operating subsidiaries are subject to a regime of specialized rules prescribed under the *Income Tax Act (Canada)* for purposes of determining the amount of the companies' income that will be subject to tax in Canada.

Tax planning strategies to obtain tax efficiencies are used. The Company continually assesses the uncertainty associated with these strategies and holds an appropriate level of provisions for uncertain income tax positions. Accordingly, the provision for income taxes represents management's interpretation of the relevant income tax laws and its estimate of current and deferred income tax balances for the period. Deferred income tax assets and liabilities are recorded based on expected future income tax rates and management's assumptions regarding the expected timing of the reversal of temporary differences. The Company has substantial deferred income tax assets. The recognition of deferred income tax assets depends on management's assumption that future earnings will be sufficient to realize the deferred benefit. The amount of the asset recorded is based on management's best estimate of the realization of the asset.

The audit and review activities of tax authorities may affect the ultimate determination of the amounts of income taxes payable or receivable, deferred income tax assets or liabilities and income tax expense. Therefore, there can be no assurance that income taxes will be payable as anticipated and/or the amount and timing of receipt or use of the income tax related assets will be as currently expected. Management's experience indicates the taxation authorities are more aggressively pursuing perceived income tax issues and have increased the resources they put to these efforts.

## **Employee future benefits**

The Company's subsidiaries maintain contributory and non-contributory defined benefit and defined contribution pension plans for eligible employees and advisors. The defined benefit pension plans provide pensions based on length of service and final average pay; however, these plans are closed to new entrants. Many of the subsidiaries' defined benefit pension plans also no longer provide future defined benefit accruals. The Company's defined benefit plan exposure is expected to reduce in future years. Where defined benefit pension accruals continue, active plan participants share in the cost of benefits through employee contributions in respect of current service. Certain pension payments are indexed on either 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. Assets supporting the funded pension plans are held in separate trusteed pension funds. Obligations for the wholly unfunded plans are included in other liabilities and are supported by general assets. New hires and active plan participants in defined benefit plans closed to future defined benefit accruals are eligible for defined contribution benefits. The defined contribution pension plans provide pension benefits based on accumulated employee and employer contributions. The Company's subsidiaries also provide post-employment health, dental and life insurance benefits to eligible employees, advisors and their dependents. These plans are also closed to new entrants. For further information on the pension plans and other post-employment benefits refer to note 23 in the Company's December 31, 2022 annual consolidated financial statements.

For the defined benefit plans, 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. Re-measurements of the 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.

Accounting for defined benefit pension and other post-employment benefits requires estimates of expected increases in compensation levels, indexation of certain pension payments, trends in health-care costs, the period of time over which benefits will be paid, as well as the appropriate discount rates for past and future service liabilities. These assumptions are determined by management using actuarial methods, and are reviewed and approved annually. Emerging experience that differs from the assumptions will be revealed in future valuations and will affect the future financial position of the plans and net periodic benefit costs.

### Actuarial assumptions - employee future benefits

	Defined benefit	pension plans	Other post-emplo	yment benefits
At December 31	2022	2021	2022	2021
Actuarial assumptions used to determine benefit cost				
Discount rate – past service liabilities	2.6%	2.2%	3.1%	2.5%
Discount rate – future service liabilities	3.3%	2.8%	3.0%	2.6%
Rate of compensation increase	3.1%	3.0%	_	_
Future pension increases <sup>1</sup>	1.7%	1.2%	-	-
Actuarial assumptions used to determine defined benefit obligation				
Discount rate – past service liabilities	5.0%	2.6%	5.3%	3.1%
Rate of compensation increase	3.8%	3.1%	_	_
Future pension increases <sup>1</sup>	2.3%	1.7%	_	_
Medical cost trend rates				
Initial medical cost trend rate			4.8%	4.7%
Ultimate medical cost trend rate			4.1%	4.1%
Year ultimate trend rate is reached			2039	2039

<sup>1</sup> Represents the weighted average of plans subject to future pension increases.

Actuarial assumptions – 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 practices. Emerging plan experience is reviewed and considered in establishing the best estimate for future mortality.

As these assumptions relate to factors that are long-term in nature, they are subject to a degree of uncertainty. Differences between actual experience and the assumptions, as well as changes in the assumptions resulting from changes in future expectations, result in increases or decreases in the pension and post-employment benefits expense and defined benefit obligation in future years. There is no assurance that the plans will be able to earn assumed rates of return, and market driven changes to assumptions could impact future contributions and expenses.

The following table indicates the impact of changes to certain key assumptions related to pension and post-employment benefits.

## Impact of a change of 1.0% in actuarial assumptions on defined benefit obligation <sup>1</sup>

		1% iı	ncrease			1% de	ecrease	
	2022		2021		2022			2021
Defined benefit pension plans:								
Impact of a change to the discount rate	\$	(733)	\$	(1,199)	\$	926	\$	1,568
Impact of a change to the rate of compensation increase		173		299		(156)		(269)
Impact of a change to the rate of inflation		340		578		(299)		(507)
Other post-employment benefits:								
Impact of a change to assumed medical cost trend rates	\$	14	\$	24	\$	(12)	\$	(21)
Impact of a change to the discount rate		(22)		(36)		25		44

<sup>1</sup> To measure the impact of a change in an assumption, all other assumptions were held constant. It is expected that there would be interaction between at least some of the assumptions.

Funding – The Company's subsidiaries have both funded and unfunded pension plans as well as other post-employment benefit plans that are unfunded. The Company's subsidiaries' funded pension plans are funded to or above the amounts required by relevant legislation. During the year, the Company's subsidiaries contributed \$293 million (\$299 million in 2021) to the pension plans and made benefit payments of \$18 million (\$19 million in 2021) for post-employment benefits. The Company's subsidiaries expect to contribute \$296 million to the pension plans and make benefit payments of \$19 million for post-employment benefits in 2022.

## **International Financial Reporting Standards**

Due to the evolving nature of IFRS, there are a number of IFRS changes impacting the Company in 2022, as well as standards that could impact the Company in future reporting periods. The Company actively monitors future IFRS changes proposed by the International Accounting Standards Board (IASB) to assess if the changes to the standards may have an impact on the Company's results or operations.

The Company adopted the amendments to IFRS for IAS 37, *Provisions, Contingent Liabilities and Contingent Assets* and *Annual Improvements 2018-2020 Cycle* for the amendment to IFRS 16, *Leases* effective January 1, 2022. The adoption of these amendments did not have a significant impact on the Company's financial statements.

For a further description of the impact of the accounting policy change, refer to note 2 of the Company's December 31, 2022 annual consolidated financial statements.

IFRS that have changed or may change subsequent to 2022 and could impact the Company in future reporting periods, are set out below and in the following table:

IFRS 17 has replaced IFRS 4, effective January 1, 2023.

IFRS 17 sets out the requirements for the recognition, measurement, presentation and disclosures of insurance contracts a company issues, reinsurance contracts it holds, and investment contracts with discretionary participation features issued. Under IFRS 17, the Company will:

- Identify insurance contracts as arrangements where the Company accepts significant insurance risk from another party (the policyholder) by agreeing to compensate the policyholder or beneficiary of the contract for specified uncertain future events that adversely affect the policyholder and whose amount and timing is unknown.
- Separately account for specified embedded derivatives, distinct investment components, and distinct non-insurance goods and services from insurance contracts.
- Identify portfolios of insurance contracts, which comprises contracts that are subject to similar risks and managed together. Portfolios are further divided based on expected profitability at inception. At a minimum, each portfolio of insurance contracts issued shall be divided into the following groups:
  - · Contracts that are onerous at initial recognition;
  - o Contracts that at initial recognition have no significant possibility of becoming onerous subsequently; and
  - Any of the remaining contracts in the portfolio.
- Apply the three measurement models introduced by IFRS 17 as further described below:

### General Measurement Model (GMM)

The Company applies this model to its medium to long-term insurance products, such as individual protection, payout annuities, and longevity swaps.

Under this model, the Company will measure insurance contract liabilities on the balance sheet as the total of:

- The fulfilment cash flows (FCF) the current estimates of amounts that a company expects to collect (e.g. premiums) and pay out (e.g. claims, benefits, expenses), including adjustments for the timing and the financial and non-financial risks of those amounts; and
- The contractual service margin (CSM) unearned profit for providing insurance coverage, which is subsequently recognized into profit or loss over time as the insurance services are provided.

At the end of each period, the Company will recalculate the FCF and CSM, with the CSM subject to adjustments for interest accretion and certain changes to FCF relating to future service.

### Premium Allocation Approach (PAA)

The Company applies this model to its short-term insurance products, such as group life and health.

This simplified model can be used when the contract boundary is less than one year or the approach is expected to produce a similar liability amount as under the GMM. Under the PAA, the Company is exempted from calculating and explicitly accounting for the CSM. Instead the liability is set as the premiums received less acquisition expenses, premium revenue recognized, and amounts transferred to fund incurred claims.

#### Variable Fee Approach (VFA)

The Company applies this model to contracts with direct participating features such as participating insurance and segregated fund business with insurance guarantees, where an investment return is provided to the policyholder based on a defined pool of items (e.g. a portfolio of assets).

Similar to the GMM, the VFA initially measures the insurance contract liabilities as the FCF plus CSM. Subsequently, the Company will recalculate the FCF and CSM, with the latter reflecting changes in the Company's share of the pool of items (e.g. future fees and guarantee costs) and certain changes to FCF relating to future service.

A group of insurance contracts issued is considered onerous when the measurement leads to a negative CSM either at issue or when subsequently measured. In this case, the CSM is not allowed to decrease below zero and a loss component is tracked.

The measurement of reinsurance contracts held is similar to insurance contracts issued with the following key differences: the CSM can be positive or negative, and the VFA measurement model cannot be used.

On transition to IFRS 17, the Company will apply the full retrospective approach to all identified insurance contracts unless it is impracticable to do so. When impracticable, the fair value approach will be applied.

The fair value approach calculates the CSM or loss component of the liability for remaining coverage as the difference between the fair value of a group of insurance contracts at the date of transition and the FCF measured at that date.

In addition, IFRS 9 will replace IAS 39, effective January 1, 2023. 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. All financial assets are measured as Fair Value Through Profit or Loss (FVTPL), Fair Value Through Other Comprehensive Income (FVOCI), or amortized cost;
- Allowances for credit losses (ACL) are based on an Expected Credit Loss (ECL) model for all financial assets, except for financial assets classified
  or designated as FVTPL and equity securities designated as FVOCI. Under the ECL model, a loss allowance is recognized and maintained
  equal to 12 months of expected credit losses upon initial recognition. If credit risk subsequently increases significantly, or an asset becomes
  credit-impaired, the loss allowance is increased to cover full, lifetime expected credit losses. Changes in the required loss allowance will be
  recorded in net investment income in the Consolidated Statements of Earnings; and
- · Hedge accounting that incorporates the risk management practices of an entity, which will not have a material impact to the Company.

The current disclosure for the measurement and classification of the Company's portfolio investments (note 6 to the Company's December 31, 2022 annual consolidated financial statements) provides most of the information required by IFRS 9.

The Company's date of initial application of IFRS 9 is January 1, 2023 and the Company anticipates electing the option of presenting comparative information about a financial asset as if the classification and measurement requirements of IFRS 9 had been applied to that financial asset in the comparative period, as permitted by the amendment to IFRS 17 published by the IASB in December 2021. IFRS 9 includes an accounting policy choice to retain the IAS 39 requirements for hedge accounting, which the Company is currently evaluating.

The adoption of IFRS 17 and IFRS 9 is expected to result in an overall reduction of total assets of approximately \$16.4 billion, total liabilities of \$13.0 billion, and total equity of approximately \$3.4 billion to the transition balance sheet as at January 1, 2022.

Asset and liability reclassifications in the transition balance sheet were primarily driven by changes to the groupings of certain assets and liabilities, reclassifications of certain insurance contract liabilities to investment contract liabilities, and presenting liabilities on account of segregated fund policyholders separately between insurance and investment contract liabilities. IFRS 9 adjustments primarily relate to a change in designation of certain loans and receivables held at amortized cost under IAS 39 to FVTPL under IFRS 9. IFRS 17 adjustments relate to changes in insurance contract liabilities and reinsurance assets, which are primarily the result of the establishment of CSM for in-force contracts of \$6.3 billion associated with the shareholders' account and \$2.3 billion associated with the participating account, partially offset by the removal of provisions no longer required under IFRS 17. This does not include the CSM on in-force segregated fund business which does not have a material impact on capital or opening equity.

Total equity is expected to decrease by approximately \$3.4 billion, split \$0.2 billion for the participating account surplus and \$3.2 billion for the shareholders' account surplus.

These impacts are based on the assessments undertaken to date. The exact financial impacts of the accounting changes of adopting IFRS 17 and IFRS 9 may be revised as further analysis is completed prior to presentation of financial information for periods including the date of initial application. The Company expects to be in a position to issue further guidance on the impact of adopting IFRS 17 and IFRS 9 in conjunction with the first quarterly report to shareholders for the financial year commencing January 1, 2023.

Standard	Summary of Future Changes
IAS 1 – Presentation of Financial Statements	In February 2021, the IASB published <i>Disclosure of Accounting Policies</i> , amendments to IAS 1, <i>Presentation of Financial Statements</i> . The amendments clarify how an entity determines whether accounting policy information is material.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IAS 8 – Accounting Policies, Changes in Accounting Estimates and Errors	In February 2021, the IASB published <i>Definition of Accounting Estimates</i> , amendments to IAS 8, <i>Accounting Policies</i> , <i>Changes in Accounting Estimates and Errors</i> . The amendments clarify the difference between an accounting policy and an accounting estimate.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IAS 12 – Income Taxes	In May 2021, the IASB published <i>Deferred Tax Related to Assets and Liabilities from a Single Transaction</i> , amendments to IAS 12, <i>Income Taxes</i> . The amendments clarify that for transactions in which both deductible and taxable temporary differences arise on initial recognition that result in deferred tax assets and liabilities of the same amount, deferred tax assets and liabilities are to be recognized.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IFRS 16 – Leases	In September 2022, the IASB published <i>Lease Liability in a Sale and Leaseback</i> , amendments to IFRS 16, <i>Leases</i> . The amendments clarify that in a sale and leaseback transaction, the seller-lessee subsequent measurement of the lease liability arising from a leaseback does not recognize any amount of gain or loss related to the right of use it retains.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2024 with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.

## Other Information

## **Non-GAAP Financial Measures and Ratios**

The Company uses several non-GAAP financial measures to measure overall performance of the Company and to assess each of its business units. A financial measure is considered a non-GAAP measure for Canadian securities law purposes if it is presented other than in accordance with generally accepted accounting principles (GAAP) used for the Company's consolidated financial statements. The consolidated financial statements of the Company have been prepared in compliance with IFRS as issued by the IASB. Non-GAAP financial measures do not have a standardized meaning under GAAP and may not be comparable to similar financial measures presented by other issuers. Investors may find these financial measures useful in understanding how management views the underlying business performance of the Company.

## Base earnings (loss)

Base earnings (loss) reflect management's view of the underlying business performance of the Company and provides an alternate measure to understand the underlying business performance compared to IFRS net earnings. Base earnings (loss) exclude the following items:

- The impact of actuarial assumption changes and other management actions;
- · The net earnings impact related to the direct equity and interest rate market impacts on insurance and investment contract liabilities, net of hedging, and related deferred tax liabilities, which includes:
  - o the impact of hedge ineffectiveness related to segregated fund guarantee liabilities that are hedged and the performance of the related hedge assets;
  - the impact on segregated fund guarantee liabilities not hedged;
  - the impact on general fund equity and investment properties supporting insurance contract liabilities;
  - o other market impacts on insurance and investment contract liabilities and deferred tax liabilities, including those arising from the difference between actual and expected market movements; and
- · Certain items that, when removed, assist in explaining the Company's underlying business performance including restructuring costs, integration costs related to business acquisitions, material legal settlements, material impairment charges related to goodwill and intangible assets, impact of substantially enacted income tax rate changes and other tax impairments and net gains, losses or costs related to the disposition or acquisition of a business.

## Lifeco

	For the three months ended						For the twelve months ended				
		Dec. 31 2022		Sept. 30 2022		ec. 31 2021	Dec. 31 2022		Dec. 31 2021		
Base earnings	\$	892	\$	688	\$	825	\$	3,219	\$	3,260	
Items excluded from Lifeco base earnings											
Actuarial assumption changes and other management actions (pre-tax)	\$	49	\$	24	\$	28	\$	88	\$	148	
Income tax (expense) benefit		-		44		(5)		41		(14)	
Market-related impact on liabilities (pre-tax)		46		(54)		22		(41)		35	
Income tax (expense) benefit		(8)		9		(2)		8		(11)	
Transaction costs related to acquisitions (pre-tax)		(5)		16		(76)		(68)		(207)	
Income tax (expense) benefit		_		4		2		19		18	
Restructuring and integration costs (pre-tax)		(43)		(58)		(21)		(178)		(90)	
Income tax (expense) benefit		11		15		6		47		24	
Tax legislative changes impact (pre-tax)		55		_		_		55		_	
Income tax (expense) benefit		29		_		_		29		(21)	
Net gain/charge on business dispositions (pre-tax)		-		_		(14)		-		(14)	
Total pre-tax items excluded from base earnings	\$	102	\$	(72)	\$	(61)	\$	(144)	\$	(128)	
Impact of items excluded from base earnings on income taxes		32		72		1		144		(4)	
Net earnings – common shareholders	\$	1,026	\$	688	\$	765	\$	3,219	\$	3,128	

## Canada

	For the three months ended							For the twelve months ended				
		Dec. 31 2022		ept. 30 2022	Dec. 31 2021		Dec. 31 2022		Dec. 31 2021			
Base earnings	\$	295	\$	283	\$	317	\$	1,146	\$	1,220		
Items excluded from base earnings												
Actuarial assumption changes and other management actions (pre-tax)	\$	1	\$	(164)	\$	(18)	\$	(161)	\$	(58)		
Income tax (expense) benefit		1		44		5		44		15		
Market-related impacts on liabilities (pre-tax)		(2)		(4)		4		4		13		
Income tax (expense) benefit		1		1		(1)		(1)		(3)		
Tax legislative changes impact (pre-tax)		55		_		_		55		_		
Income tax (expense) benefit		29		_		_		29		_		
Net earnings – common shareholders	\$	380	\$	160	\$	307	\$	1,116	\$	1,187		

## **United States**

		For	the three	months en	ded		For the twelve months ended				
	Dec. 31 2022		Sept. 30 2022		Dec. 31 2021		Dec. 31 2022		Dec. 31 2021		
Base earnings		185	\$	204	\$	156	\$	652	\$	671	
Items excluded from base earnings											
Actuarial assumption changes and other management actions (pre-tax)	\$	-	\$	_	\$	2	\$	_	\$	7	
Income tax (expense) benefit		_		_		-		_		(1)	
Market-related impact on liabilities (pre-tax)		12		(28)		(1)		(40)		(5)	
Income tax (expense) benefit		(3)		6		-		8		_	
Restructuring and integration costs (pre-tax)		(43)		(58)		(21)		(178)		(90)	
Income tax (expense) benefit		11		15		6		47		24	
Transaction costs related to acquisitions (pre-tax)		_		21		(52)		(48)		(115)	
Income tax (expense) benefit		-		4		2		19		8	
Net earnings – common shareholders	\$	162	\$	164	\$	92	\$	460	\$	499	

## Europe

		For	the three	e months er	ided		For the twelve months en				
Base earnings		Dec. 31 2022		Sept. 30 2022		ec. 31 2021	Dec. 31 2022		Dec. 31 2021		
		239	\$	200	\$	213	\$	892	\$	830	
Items excluded from base earnings											
Actuarial assumption changes and other management actions (pre-tax)	\$	38	\$	77	\$	59	\$	128	\$	219	
Income tax (expense) benefit		(1)		(8)		(13)		(11)		(33)	
Market-related impact on liabilities (pre-tax)		21		(17)		19		(7)		27	
Income tax (expense) benefit		(5)		2		(1)		2		(8)	
Transaction costs related to acquisitions (pre-tax)		(5)		(5)		(24)		(20)		(24)	
Income tax (expense) benefit		_		_		-		_		_	
Tax legislative changes impact		_		_		-		_		(21)	
Net gain/charge on business dispositions (pre-tax)		-		_		(14)		_		(14)	
Net earnings – common shareholders	\$	287	\$	249	\$	239	\$	984	\$	976	

## **Capital and Risk Solutions**

	For the three months ended							For the twelve months ende				
		Dec. 31 2022		Sept. 30 2022		Dec. 31 2021		Dec. 31 2022		ec. 31 2021		
Base earnings	\$	187	\$	1	\$	145	\$	532	\$	547		
Items excluded from base earnings												
Actuarial assumption changes and other management actions (pre-tax)	\$	10	\$	111	\$	(15)	\$	121	\$	(20)		
Income tax (expense) benefit		-		8		3		8		5		
Market-related impact on liabilities (pre-tax)		15		(5)		_		2		_		
Income tax (expense) benefit		(1)		_		_		(1)		-		
Net earnings – common shareholder	\$	211	\$	115	\$	133	\$	662	\$	532		

### **Lifeco Corporate**

	For the three months ended							For the twelve months ended					
Base earnings (loss)		Dec. 31 2022		Sept. 30 2022		ec. 31 021	Dec. 31 2022		Dec. 31 2021				
		(14)	\$	-	\$	(6)	\$	(3)	\$	(8)			
Items excluded from base earnings (loss)													
Transaction costs related to acquisitions (pre-tax)	\$	-	\$	_	\$	_	\$	_	\$	(68)			
Income tax (expense) benefit		-		_		_		-		10			
Net earnings (loss) – common shareholder	\$	(14)	\$	-	\$	(6)	\$	(3)	\$	(66)			

## **Premiums and deposits**

Total premiums and deposits include premiums on risk-based insurance and annuity products net of ceded reinsurance (as defined under IFRS as net premium income), premium equivalents on self-funded group insurance ASO contracts, deposits on individual and group segregated fund products as well as deposits on proprietary mutual funds and institutional accounts. This measure provides an indicator of top-line growth.

	For	the thr	ee months er		F	or the twelv	e mont	nths ended	
	Dec. 31         Sept. 30           2022         2022		i		Dec. 31 2022		Dec. 3 202		
Total net premiums	\$ 8,544	\$	13,921	\$	12,989	\$	52,821	\$	52,813
Policyholder deposits (segregated funds) 1	13,775		11,723		8,337		40,618		29,657
Self-funded premium equivalents (ASO contracts) and other	2,684		2,637		4,556		10,953		11,108
Proprietary mutual funds and institutional deposits	19,162		15,984		21,772		69,787		75,225
Total premiums and deposits	\$ 44,165	\$	44,265	\$	47,654	\$	174,179	\$	168,803

 $<sup>1\</sup>quad \text{For additional details, refer to note 14(b) to the Company's December 31, 2022 annual consolidated financial statements.}$ 

## Assets under management (AUM) and assets under administration (AUA)

Assets under management and assets under administration are non-GAAP measures that provide an indicator of the size and volume of the Company's overall business. Administrative services are an important aspect of the overall business of the Company and should be considered when comparing volumes, size and trends.

Total assets under administration includes total assets per financial statements, proprietary mutual funds and institutional assets and other assets under administration.

#### Lifeco

	Dec. 31 2022	Sept. 30 2022	Dec. 31 2021
Total assets per financial statements	\$ 701,455	\$ 672,764	\$ 630,488
Other AUM	331,734	319,141	377,155
Total AUM	\$ 1,033,189	\$ 991,905	\$ 1,007,643
Other AUA <sup>1</sup>	1,464,523	1,392,368	1,283,949
Total AUA <sup>1</sup>	\$ 2,497,712	\$2,384,273	\$ 2,291,592

<sup>1 2021</sup> comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration in the Canada segment.

#### Canada

	Dec. 31 2022	Sept. 30 2022		Dec. 31 2021	
Canada wealth fee business AUA 1					
Segregated fund assets	\$ 93,816	\$	89,892	\$ 101,537	
Other AUM	4,057		3,964	5,742	
Wealth fee business other AUA 1	23,975		23,143	27,340	
Total Canada wealth fee business AUA <sup>1</sup>	\$ 121,848	\$	116,999	\$ 134,619	
Add: Other balance sheet assets	\$ 101,266	\$	99,304	\$ 102,445	
Add: Other AUA	2,369		2,362	2,275	
Consolidated Canada balance sheet assets	\$ 195,082	\$	189,196	\$ 203,982	
Consolidated Canada other AUM	4,057		3,964	5,742	
Consolidated Canada other AUA <sup>1</sup>	26,344		25,505	29,615	
Total Canada AUA <sup>1</sup>	\$ 225,483	\$	218,665	\$ 239,339	

<sup>1 2021</sup> comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration.

## **United States**

Empower AUA         99,839         102,856         47,408           Segregated funds         159,901         156,492         109,450           Other AUM         53,482         50,544         53,413           Other AUA         1,426,834         1,356,223         1,241,974           Empower AUA         \$ 1,740,056         \$ 1,666,115         \$ 1,452,245           Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$ 1,912,165         \$ 1,738,692           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,927           Add: Other balance sheet assets         5 1,013         43,672         51,553           Consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         1,426,834         1,356,223         1,241,974		Dec. 31 2022	Sept. 30 2022	Dec. 31 2021
Empower AUA         99,839         102,856         47,408           Segregated funds         159,901         156,492         109,459           Other AUM         53,482         50,544         53,413           Other AUA         1,426,834         1,356,223         1,241,974           Empower AUA         \$ 1,740,056         \$ 1,666,115         \$ 1,422,245           Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$ 1,912,165         \$ 1,738,692           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,927           Add: Other AUM consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 20,927           Add: Other AUM consolidated United States other AUM         277,183         268,428         310,933           Consolidated United States other AUM         277,183         268,428         310,933           Consolidated United States other AUM         277,183         268,428         310,933           Total United States AUA         5 2,014,725         5 1,927,671         \$ 1,761,118           Europe         bec.31         2022         2022         2022         2022         2022         2022         2022	Financial Services			
General account         99,839         102,856         47,408           Segregated funds         159,901         156,492         109,450           Other AUM         53,482         50,544         53,413           Other AUA         1,426,834         1,356,223         1,241,974           Empower AUA         \$ 1,740,056         \$ 1,666,115         \$ 1,422,245           Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$ 1,912,165         \$ 1,736,822           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,977)           Add: Other AUM consolidated United States sublance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,18         268,428         310,933           Consolidated United States other AUM         277,18         268,428         310,933           Total United States AUA         2,014,725         3,192,761         \$ 1,761,18           Europe         Bec. 31         2,022,701         \$ 1,767,18         \$ 26,822           Total United States AUA         2,172,607         \$ 1,767,18         \$ 1,761,18           Europe         Bec. 31         2,022,	Personal Capital other AUM	\$ 31,171	\$ 28,371	\$ 29,231
Segregated funds Other AUM         159,901 53,482         156,492 50,544         10,450 53,482         50,544 52,414         53,482 50,544         53,482 50,544         53,412 52,241,974           Empower AUA         \$1,426,834         1,356,223         1,241,974           Putnam other AUM         \$1,740,056         \$1,666,115         \$1,452,245           Putnam other AUM         \$1,933,590         \$1,917,679         \$2,77,216           Subtotal         \$1,993,590         \$1,917,659         \$1,353           Add: Other AUM consolidation adjustment         \$2,98,789         \$2,81,669         \$2,89,927           Add: Other balance sheet assets         \$10,073         \$3,0020         \$2,89,127           Consolidated United States balance sheet assets         \$310,753         \$303,002         \$2,82,11           Consolidated United States other AUM         \$2,71,138         \$268,428         310,933           Consolidated United States other AUA         \$2,014,225         \$1,927,671         \$1,761,118           Europe         \$2,014,225         \$1,927,671         \$1,761,118           Europe         \$2,014,225         \$2,922         \$2,31           Europe         \$2,014,225         \$2,922         \$2,31           Europe         \$2,014,225         \$1,667,472	Empower AUA			
Other AUM Other AUA         53,482 1,426,634         50,544 1,356,223         53,413 1,241,974           Empower AUA         \$ 1,426,634         \$ 1,356,223         1,241,974           Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$ 1,91,2165         \$ 1,738,692           Add: Other AUM consolidation adjustment Add: Other balance sheet assets         \$ (29,878)         \$ (28,166)         \$ (28,977)           Add: Other AUM consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         \$ 20,147.25         \$ 1,927,671         \$ 1,761,118           Europe         Dec. 31         269,232         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231         269,231	General account	99,839	102,856	47,408
Other AUA         1,426,834         1,356,223         1,241,974           Empower AUA         \$ 1,740,056         \$ 1,666,115         \$ 1,422,455           Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$ 1,912,165         \$ 1,738,692           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,927           Add: Other balance sheet assets         \$ 1,013         43,672         \$ 1,333           Consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         1,426,834         1,356,223         1,241,974           Total United States other AUM         277,138         268,428         310,933           Consolidated United States other AUM         2,014,725         \$ 1,927,671         \$ 1,761,118           Europe         Bec.31         269,230         262,31         2022         2022         2022         2022         2023         203,1           Europe         Weel Aug         20,200         20,201         20,201         20,201         20,201         20,201 <td>Segregated funds</td> <td>159,901</td> <td>156,492</td> <td>109,450</td>	Segregated funds	159,901	156,492	109,450
Empower AUA	Other AUM	53,482	50,544	53,413
Putnam other AUM         \$ 222,363         \$ 217,679         \$ 257,216           Subtotal         \$ 1,993,590         \$1,912,165         \$ 1,738,692           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,987)           Add: Other balance sheet assets         \$ 1,013         43,672         \$ 1,353           Consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUA         1,426,834         1,556,223         1,241,974           Total United States AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Europe         \$ 20,014,725         \$ 1,927,671         \$ 1,761,118           Europe wealth and investment only AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Segregated fund assets         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM         \$ 50,539         46,749         60,480           Other AUA         \$ 189,691         \$ 174,177         \$ 211,803           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Ad	Other AUA	1,426,834	1,356,223	1,241,974
Subtotal         \$ 1,993,590         \$ 1,912,165         \$ 1,738,692           Add: Other AUM consolidation adjustment         \$ (29,878)         \$ (28,166)         \$ (28,927)           Add: Other balance sheet assets         \$ 1,013         \$ 43,672         \$ 1,353           Consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUA         1,426,834         1,356,223         1,241,974           Total United States AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Europe         Bec. 31         Sept. 30         Dec. 31         2022         Dec. 31         2021         Dec. 31         2022         Dec. 31         2021         Dec. 31         2022         Dec. 31         2022         Dec. 31         2021         Dec. 31         2022         Dec.	Empower AUA	\$ 1,740,056	\$1,666,115	\$ 1,452,245
Add: Other AUM consolidation adjustment       \$ (29,878)       \$ (28,166)       \$ (28,927)         Add: Other balance sheet assets       51,013       43,672       51,353         Consolidated United States balance sheet assets       \$ 310,753       \$ 303,020       \$ 208,211         Consolidated United States other AUM       277,138       268,428       310,933         Consolidated United States other AUA       1,426,834       1,356,223       1,241,974         Total United States AUA       \$ 2,014,725       \$ 1,927,671       \$ 1,761,118         Europe         Europe wealth and investment only AUA       Segregated fund assets       \$ 127,807       \$ 116,788       \$ 138,963         Other AUM       50,539       46,749       60,480         Other AUA       \$ 138,691       \$ 174,177       \$ 211,803         Add: Other balance sheet assets       \$ 51,467       \$ 48,495       \$ 61,936         Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       \$ 50,539       46,749       60,480         Consolidated Europe other AUM       \$ 50,539       46,749       60,480         Consolidated Europe other AUM       \$ 50,539       46,749	Putnam other AUM	\$ 222,363	\$ 217,679	\$ 257,216
Add: Other balance sheet assets         51,013         43,672         51,535           Consolidated United States balance sheet assets         \$310,753         \$303,020         \$208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUA         1,426,834         1,356,223         1,241,974           Total United States AUA         \$2,014,725         \$1,927,671         \$1,761,118           Europe           Europe wealth and investment only AUA         \$2022         Dec. 31         2022           Europe wealth and investment only AUA         \$127,807         \$116,788         \$138,963           Other AUM         50,539         46,749         60,480           Other AUA         \$189,691         \$174,177         \$211,803           Add: Other balance sheet assets         \$51,467         \$48,495         \$61,936           Consolidated Europe balance sheet assets         \$179,274         \$165,283         \$200,899           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         6	Subtotal	\$ 1,993,590	\$1,912,165	\$ 1,738,692
Consolidated United States balance sheet assets         \$ 310,753         \$ 303,020         \$ 208,211           Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUA         1,426,834         1,356,223         1,241,974           Total United States AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Europe           Europe wealth and investment only AUA           Segregated fund assets         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM         50,539         46,749         60,480           Other AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         11,345         10,640         12,360	Add: Other AUM consolidation adjustment	\$ (29,878)	\$ (28,166)	\$ (28,927)
Consolidated United States other AUM         277,138         268,428         310,933           Consolidated United States other AUA         1,426,834         1,356,223         1,241,974           Total United States AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Europe           Europe wealth and investment only AUA         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM         50,539         46,749         60,480           Other AUA         11,345         10,640         12,360           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         50,539         46,749         60,480           Consolidated Europe other AUM         50,539         46,749         60,480	Add: Other balance sheet assets	51,013	43,672	51,353
Consolidated United States other AUA         1,426,834         1,356,223         1,241,974           Total United States AUA         \$ 2,014,725         \$ 1,927,671         \$ 1,761,118           Europe         Dec. 31 2022         Sept. 30 2022         Dec. 31 2022           Europe wealth and investment only AUA         Dec. 31 2022         Dec	Consolidated United States balance sheet assets	\$ 310,753	\$ 303,020	\$ 208,211
Europe         Dec. 31 2022         Sept. 30 2022         Dec. 31 2022           Europe wealth and investment only AUA Segregated fund assets Other AUM Other AUA Other AUA Add: Other balance sheet assets Consolidated Europe balance sheet assets Consolidated Europe other AUM Solidated Europe Othe	Consolidated United States other AUM	277,138	268,428	310,933
Europe         Dec. 31 2022         Sept. 30 2022         Dec. 31 2021           Europe wealth and investment only AUA         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM 50,539         46,749         60,480           Other AUA         11,345         10,640         12,360           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM         50,539         46,749         60,480	Consolidated United States other AUA	1,426,834	1,356,223	1,241,974
Europe wealth and investment only AUA         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM         50,539         46,749         60,480           Other AUA         11,345         10,640         12,360           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         11,345         10,640         12,360	Total United States AUA	\$ 2,014,725	\$1,927,671	\$ 1,761,118
Europe wealth and investment only AUA         \$ 127,807         \$ 116,788         \$ 138,963           Other AUM         50,539         46,749         60,480           Other AUA         11,345         10,640         12,360           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         11,345         10,640         12,360	Europe			
Segregated fund assets       \$ 127,807       \$ 116,788       \$ 138,963         Other AUM       50,539       46,749       60,480         Other AUA       11,345       10,640       12,360         Total Europe wealth and investment only AUA       \$ 189,691       \$ 174,177       \$ 211,803         Add: Other balance sheet assets       \$ 51,467       \$ 48,495       \$ 61,936         Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       50,539       46,749       60,480         Consolidated Europe other AUA       11,345       10,640       12,360				
Other AUM Other AUA         50,539 11,345         46,749 10,640         60,480 12,360           Total Europe wealth and investment only AUA         \$ 189,691         \$ 174,177         \$ 211,803           Add: Other balance sheet assets         \$ 51,467         \$ 48,495         \$ 61,936           Consolidated Europe balance sheet assets         \$ 179,274         \$ 165,283         \$ 200,899           Consolidated Europe other AUM Consolidated Europe other AUA         50,539         46,749         60,480           11,345         10,640         12,360	Europe wealth and investment only AUA			
Other AUA       11,345       10,640       12,360         Total Europe wealth and investment only AUA       \$ 189,691       \$ 174,177       \$ 211,803         Add: Other balance sheet assets       \$ 51,467       \$ 48,495       \$ 61,936         Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       50,539       46,749       60,480         Consolidated Europe other AUA       11,345       10,640       12,360	Segregated fund assets	\$ 127,807	\$ 116,788	\$ 138,963
Total Europe wealth and investment only AUA       \$ 189,691       \$ 174,177       \$ 211,803         Add: Other balance sheet assets       \$ 51,467       \$ 48,495       \$ 61,936         Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       50,539       46,749       60,480         Consolidated Europe other AUA       11,345       10,640       12,360	Other AUM	50,539	46,749	60,480
Add: Other balance sheet assets       \$ 51,467       \$ 48,495       \$ 61,936         Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       50,539       46,749       60,480         Consolidated Europe other AUA       11,345       10,640       12,360	Other AUA	11,345	10,640	12,360
Consolidated Europe balance sheet assets       \$ 179,274       \$ 165,283       \$ 200,899         Consolidated Europe other AUM       50,539       46,749       60,480         Consolidated Europe other AUA       11,345       10,640       12,360	Total Europe wealth and investment only AUA	\$ 189,691	\$ 174,177	\$ 211,803
Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         11,345         10,640         12,360	Add: Other balance sheet assets	\$ 51,467	\$ 48,495	\$ 61,936
Consolidated Europe other AUM         50,539         46,749         60,480           Consolidated Europe other AUA         11,345         10,640         12,360	Consolidated Europe balance sheet assets	\$ 179,274	\$ 165,283	\$ 200,899
Consolidated Europe other AUA 11,345 10,640 12,360		50,539	46,749	60,480
Total Europe AUA \$ 241,158 \$ 222,672 \$ 273,739	·	11,345	10,640	
	Total Europe AUA	\$ 241,158	\$ 222,672	\$ 273,739

## Core net earnings (loss)

For its Asset Management (Putnam) business unit in the U.S segment, the Company discloses core net earnings (loss), which is a measure of the business unit's performance. Core net earnings (loss) includes the impact of dealer commissions and software amortization and excludes the impact of certain corporate financing charges and allocations, certain tax adjustments and other non-recurring transactions.

		For	the three	e months en	For the twelve months ended				
(In US\$ million, unless otherwise noted)		ec. 31 2022		ept. 30 2022	ec. 31 2021		ec. 31 2022		ec. 31 2021
Fee and net investment income Less: Expenses		220 218	\$	200 214	\$ 254 225	\$	853 873	\$	990 890
Core earnings Less: Income taxes	\$	2 1	\$	(14) (1)	\$ 29 9	\$	(20) (2)	\$	100 26
Core net earnings (loss) Non-core net earnings (loss)	\$	1 (21)	\$	(13) (4)	\$ 20 15	\$	(18) (32)	\$	74 2
Net earnings (loss)	\$	(20)	\$	(17)	\$ 35	\$	(50)	\$	76
Net earnings (loss) (C\$)	\$	(27)	\$	(22)	\$ 43	\$	(66)	\$	95

 $<sup>1 \</sup>quad \text{For the Asset Management business unit, there were no differences between net earnings (loss) and base earnings (loss) in the periods presented.} \\$ 

#### **Non-GAAP Ratios**

A non-GAAP ratio is a financial measure in the form of a ratio, fraction, percentage or similar representation that is not disclosed in the financial statements of the Company and has a non-GAAP financial measure as one or more of its components. These financial measures do not have a standardized definition under IFRS and might not be comparable to similar financial measures disclosed by other issuers.

The non-GAAP ratios disclosed by the Company each use base earnings (loss) as the non-GAAP component. Base earnings (loss) reflect management's view of the underlying business performance of the Company and provides an alternate measure to understand the underlying business performance compared to IFRS net earnings.

- Base dividend payout ratio Dividends paid to common shareholders are divided by base earnings (loss).
- Base earnings per share Base earnings (loss) for the period is divided by the number of average common shares outstanding for the period.
- Base earnings per share (diluted) Base earnings (loss) for the period is divided by the number of average common shares outstanding on a diluted basis for the period.
- Base return on equity Base earnings (loss) for the trailing four quarters are divided by the average common shareholders' equity over the trailing four quarters. This measure provides an indicator of business unit profitability.
- Core margin (pre-tax) The metrics relates to the Asset Management line of business within the United States segment and is calculated by dividing core earnings by fee and net investment income.
- Cost of management ratio Compares the amount paid by the Company to compensate its Named Executive Officers (NEOs) relative to the Company's base earnings for the same period. Calculated by dividing total annual compensation paid to NEOs (as disclosed in the Executive Compensation section of the Company's management proxy circular) by base earnings for the year.
- Effective income tax rate base earnings common shareholders Calculated by adjusting the Company's reported income taxes and net earnings before income taxes attributable to common shareholders to remove the impact of items excluded from base earnings, to calculate the effective tax rate for common shareholders.

## **Glossary**

- Actuarial assumption changes and other management actions In accordance with the OSFI "Source of Earnings Disclosure (Life Insurance
  Company)" Guideline D-9, actuarial assumption changes and other management actions represent the impact on net income resulting from
  management actions, changes in actuarial assumptions or methodology, changes in margins for adverse deviations, and correction of errors.
  Within the Source of Earnings Disclosure, management actions include the net gain or charge on business dispositions and transactions
  costs related to acquisition. The reconciliation between net earnings (loss) common shareholders and base earnings (loss) presents the net
  gain or charge on business dispositions and transactions costs related to acquisition separately from actuarial assumption changes and other
  management actions.
- Book value per common share Measure is calculated by dividing Lifeco's common shareholder's equity by the number of common shares outstanding at the end of the period.
- Common shareholder's equity A financial measure comprised of the following items from Lifeco's balance sheet: share capital common shares, accumulated surplus, accumulated other comprehensive income and contributed surplus.
- Dividend payout ratio Dividends paid to common shareholders are divided by net earnings common shareholders.
- Financial leverage ratio Defined as debt, hybrid securities, and preferred shares divided by total consolidated capitalization.
- Impact of currency movement (constant currency basis) Items impacting the Company's Consolidated Statements of Earnings, such as income and benefits and expenses and net earnings, are translated into Canadian dollars at an average rate for the period. These measures highlight the impact of changes in currency translation rates on Canadian dollar equivalent IFRS results and have been calculated using the average rates, as shown below, in effect at the date of the comparative period. These measures provide useful information as it facilitates the comparability of results between periods.

	Decei	mber 31
Period ended	2022	2021
United States dollar	1.36	1.26
British pound	1.59	1.70
Euro	1.39	1.44

- Market-related impacts on liabilities The net earnings impact related to the direct equity and interest rate market impacts on insurance and investment contract liabilities, net of hedging, and related deferred tax liabilities, which includes:
  - the impact of hedge ineffectiveness related to segregated fund guarantee liabilities that are hedged and the performance of the related hedge assets;
  - o the impact on segregated fund guarantee liabilities not hedged;
  - the impact on general fund equity and investment properties supporting insurance contract liabilities;
  - o other market impacts on insurance and investment contract liabilities and deferred tax liabilities, including those arising from the difference between actual and expected market movements.
- Office of the Superintendent of Financial Institutions Canada (OSFI) is an independent Canadian federal government agency that regulates and supervises federally regulated financial institutions and pension plans to determine whether they are in sound financial condition and meeting their requirements.
- Return on common shareholder's equity (ROE) Net earnings (loss) for the trailing four quarters are divided by the average common shareholders' equity over the trailing four quarters. This measure provides an indicator of business unit profitability.
- Sales Sales are measured according to product type:
  - o For risk-based insurance and annuity products, sales include 100% of single premium and annualized premiums expected in the first twelve months of the plan.
  - · Group insurance and ASO sales reflect annualized premiums and premium equivalents for new policies and new benefits covered or expansion of coverage on existing policies.
  - For individual wealth management products, sales include deposits on segregated fund products, proprietary mutual funds and institutional accounts as well as deposits on non-proprietary mutual funds.
  - o For group wealth management products, sales include assets transferred from previous plan providers and the expected annual contributions from the new plan.
- Segmented common shareholder's equity The Company has a capital allocation methodology, which allocates financing costs in proportion to allocated capital. For the Canada, Europe and Capital and Risk Solutions segments (essentially Canada Life), this allocation method generally tracks the regulatory capital requirements, while for U.S. Financial Services and U.S. Asset Management (Putnam), it tracks the financial statement carrying value of the business units. Total leverage capital is consistently allocated across all business units in proportion to total capital resulting in a debt-to-equity ratio in each business unit mirroring the consolidated Company.
  - The capital allocation methodology allows the Company to calculate comparable ROE for each business unit. These ROEs are therefore based on the capital the business unit has been allocated and the financing charges associated with that capital. IFRS does not prescribe the calculation of ROE and therefore a comparable measure under IFRS is not available.
- Other assets under management Includes external client funds where the Company has oversight of the investment policies. Services provided in respect of proprietary mutual funds and institutional assets include the selection of investments, the provision of investment advice and discretionary portfolio management on behalf of clients.
- Other assets under administration Includes assets where the Company only provides administration services for which the Company earns fees and other income. These assets are beneficially owned by the clients and the Company does not direct the investing activities. Services provided relating to assets under administration include recordkeeping, safekeeping, collecting investment income, settling of transactions or other administrative services. Administrative services are an important aspect of the overall business of the Company and should be considered when comparing volumes, size and trends.
- Net cash flows and net asset flows Indicator of the Company's ability to attract and retain business. Net cash flows and net asset flows are measured by the following:
  - · Canada wealth management net cash flows include cash inflows and outflows related to segregated fund assets and proprietary and nonproprietary mutual funds.
  - · Europe wealth and investment only net cash flows include cash inflows and outflows related to segregated fund assets, proprietary mutual funds and institutional assets as well as other assets under administration.
  - · Empower net cash flows include cash inflows and outflows related to segregated fund assets, general fund assets, proprietary and nonproprietary mutual funds as well as other assets under management.
  - Putnam net asset flows include mutual fund and institutional sales and redemptions.

### **Selected Annual Information**

	Years ended December 31										
(in \$ millions, except per share amounts)	2022	2021	2020								
Total revenue	\$ 44,662	\$ 64,417	\$ 60,583								
Earnings – common shareholders											
Net earnings	3,219	3,128	2,943								
Base earnings 1	3,219	3,260	2,669								
Net earnings per common share											
Basic – net earnings	3.455	3.365	3.173								
Diluted – net earnings	3.452	3.360	3.172								
Basic – base earnings <sup>2</sup>	3.455	3.507	2.878								
Diluted – base earnings <sup>2</sup>	3.452	3.502	2.877								
Total assets under administration											
Total assets	\$ 701,455	\$ 630,488	\$ 600,490								
Proprietary mutual funds and institutional assets 3	331,734	377,155	350,943								
Total assets under management <sup>1</sup>	1,033,189	1,007,643	951,433								
Other assets under administration 3,4	1,464,523	1,283,949	1,034,096								
Total assets under administration 1,4	\$ 2,497,712	\$2,291,592	\$1,985,529								
Total liabilities	\$ 669,137	\$ 600,005	\$ 573,475								
Dividends paid per share											
Series F First Preferred 5	_	1.4750	1.4750								
Series G First Preferred	1.3000	1.3000	1.3000								
Series H First Preferred	1.21252	1.21252	1.21252								
Series I First Preferred	1.1250	1.1250	1.1250								
Series L First Preferred	1.41250	1.41250	1.41250								
Series M First Preferred	1.450	1.450	1.450								
Series N First Preferred <sup>6</sup>	0.437252	0.437252	0.544000								
Series O First Preferred <sup>7</sup>	_	-	0.556412								
Series P First Preferred	1.350	1.350	1.350								
Series Q First Preferred	1.2875	1.2875	1.2875								
Series R First Preferred	1.200	1.200	1.200								
Series S First Preferred	1.312500	1.312500	1.312500								
Series T First Preferred	1.2875	1.2875	1.2875								
Series Y First Preferred <sup>8</sup>	1.1250	0.2589	_								
Common	1.960	1.804	1.752								

<sup>1</sup> This metric is a non-GAAP financial measure. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

<sup>2</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

 $<sup>3\</sup>quad \text{Refer to the "Glossary" section of this document for additional details on the composition of this measure.}$ 

<sup>4 2021</sup> and 2020 comparative figures have been restated to include Financial Horizons Group and Excel Private Wealth Inc. assets under administration in the Canada segment.

On December 31, 2021, Lifeco redeemed all of its outstanding 5.90% Non-Cumulative First Preferred Shares, Series F, at a redemption price of \$25.00 per share plus an amount equal to all declared and unpaid dividends, less any tax required to be deducted and withheld by Lifeco.

<sup>6</sup> The Series N First Preferred Share dividend was reset to a five year fixed dividend rate of 1.749% per annum which applies until December 30, 2025.

<sup>7</sup> Floating dividend rate which is reset quarterly to the three month Government of Canada Treasury Bill yield plus 1.30%. On December 31, 2020, all outstanding Series O Shares were automatically converted into Series N Shares on a one-for-one basis.

On October 8, 2021, the Company issued 8,000,000, 4.50% Non-Cumulative First Preferred Shares, Series Y. Please refer to the "Lifeco Capital Structure" section of this document for additional details on the issuance.

## **Quarterly Financial Information**

(in \$ millions,		20	)22				20	)21		
except per share amounts)	Q4	Q3		Q2	Q1	Q4	Q3		Q2	Q1
Total revenue	\$ 14,072	\$ 12,372	\$	9,188	\$ 9,030	\$ 18,122	\$ 17,432	\$	17,955	\$ 10,908
Common shareholders										
Base earnings										
Total <sup>2</sup>	\$ 892	\$ 688	\$	830	\$ 809	\$ 825	\$ 870	\$	826	\$ 739
Basic – per share 1	0.957	0.738		0.893	0.869	0.887	0.934		0.889	0.796
Diluted – per share 1	0.956	0.738		0.892	0.868	0.885	0.932		0.888	0.796
Net earnings										
Total	\$ 1,026	\$ 688	\$	735	\$ 770	\$ 765	\$ 872	\$	784	\$ 707
Basic – per share	1.101	0.738		0.789	0.827	0.822	0.938		0.844	0.762
Diluted – per share	1.100	0.738		0.788	0.825	0.820	0.936		0.842	0.761

<sup>1</sup> This metric is a non-GAAP ratio. Refer to the "Non-GAAP Financial Measures and Ratios" section of this document for additional details.

Items excluded from base earnings

	2022							2021							
	Q4		Q3		Q2		Q1		Q4		Q3		Q2		Q1
Actuarial assumption changes and															
other management actions (pre-tax)	\$ 49	\$	24	\$	24	\$	(9)	\$	28	\$	74	\$	42	\$	4
Income tax (expense) benefit	-		44		(3)		_		(5)		(5)		(5)		1
Market-related impact on liabilities															
(pre-tax)	46		(54)		(19)		(14)		22		52		(14)		(25)
Income tax (expense) benefit	(8)		9		4		3		(2)		(5)		(5)		1
Transaction costs related to															
acquisitions (pre-tax)	(5)		16		(71)		(8)		(76)		(104)		(25)		(2)
Income tax (expense) benefit	_		4		14		1		2		14		1		1
Restructuring and integration costs															
(pre-tax)	(43)		(58)		(60)		(17)		(21)		(32)		(21)		(16)
Income tax (expense) benefit	11		15		16		5		6		8		6		4
Net gain/charge on business															
dispositions (pre-tax)	_		_		_		_		(14)		_		_		_
Income tax (expense) benefit	_		_		_		_		_		_		_		_
Tax legislative changes impact (pre-tax)	55		_		_		_		_		_		_		_
Income tax (expense) benefit	29		-		-		-		-		-		(21)		-
Total post-tax items excluded															
from base earnings	\$ 134	\$	-	\$	(95)	\$	(39)	\$	(60)	\$	2	\$	(42)	\$	(32)

Lifeco's consolidated net earnings attributable to common shareholders were \$1,026 million for the fourth quarter of 2022 compared to \$765 million reported a year ago. On a per share basis, this represents \$1.101 per common share (\$1.100 diluted) for the fourth quarter of 2022 compared to \$0.822 per common share (\$0.820 diluted) a year ago.

Total revenue for the fourth quarter of 2022 was \$14,072 million and comprises premium income of \$8,544 million, regular net investment income of \$2,176 million, a positive change in fair value through profit or loss on investment assets of \$1,373 million and fee and other income of \$1,979 million.

 $<sup>2\</sup>quad This metric is a non-GAAP financial measure. The following items were excluded from base earnings in each quarter:$ 

#### **Disclosure Controls and Procedures**

The Company's disclosure controls and procedures are designed to provide reasonable assurance that information required to be disclosed by the Company in reports filed or submitted by it under provincial and territorial securities legislation is: (a) recorded, processed, summarized and reported within the time periods specified in the provincial and territorial securities legislation, and (b) accumulated and communicated to the Company's senior management, including the President and Chief Executive Officer and the Executive Vice-President and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. Management evaluated the effectiveness of the Company's disclosure controls and procedures as at December 31, 2022 and, based on such evaluation, the President and Chief Executive Officer and the Executive Vice-President and Chief Financial Officer have concluded that the Company's disclosure controls and procedures are effective.

#### **Internal Control Over Financial Reporting**

The Company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with IFRS. The Company's management is responsible for establishing and maintaining effective internal control over financial reporting. All internal control systems have inherent limitations and may become ineffective because of changes in conditions. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statement preparation and presentation.

The Company's management, under the supervision of the President and Chief Executive Officer and the Executive Vice-President and Chief Financial Officer, has evaluated the effectiveness of the Company's internal control over financial reporting based on the 2013 Internal Control - Integrated Framework (COSO Framework) published by the Committee of Sponsoring Organizations of the Treadway Commission. The Company's management adopted the revised 2013 COSO Framework in 2015 as the basis to evaluate the effectiveness of the Lifeco's internal control over financial reporting.

During the twelve months ended December 31, 2022, there have been no changes in the Company's internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting. Internal controls over financial reporting have been adapted for the remote work environment that has resulted from the COVID-19 pandemic, as necessary, and were effective. Management evaluated the effectiveness of the Company's internal control over financial reporting as at December 31, 2022 and, based on such evaluation, the President and Chief Executive Officer and the Executive Vice-President and Chief Financial Officer have concluded that the Company's internal control over financial reporting is effective and that there are no material weaknesses in the Company's internal control over financial reporting.

#### Limitation on Disclosure Controls and Procedures & Internal Control Over Financial Reporting

As permitted by securities legislation, for the period ended December 31, 2022, the Company's management has limited the scope of its design of the Company's disclosure controls and procedures and the Company's internal control over financial reporting to exclude controls, policies and procedures of the Prudential's full-service retirement services business, which the Company acquired on April 1, 2022.

During the year ended December 31, 2022, the acquired Prudential retirement services business had revenue of \$609 million, net earnings of \$94 million post-tax (base earnings of \$172 million post-tax excluding negative market-related impact on liabilities of \$9 million and integration costs of \$19 million post-tax) and other comprehensive loss of \$43 million. The initial amounts assigned to the assets acquired, goodwill and intangible assets on April 1, 2022 and reported as at December 31, 2022 were \$124,967 million. The initial amounts assigned to the liabilities assumed on April 1, 2022 and reported as at December 31, 2022 were \$122,339 million. During the fourth quarter of 2022, the Company completed its comprehensive evaluation of the fair value of net assets acquired from Prudential and the purchase price allocation.

### **Relationship with Power Corporation Group of Companies**

Lifeco's controlling shareholder is Power Financial Corporation (Power Financial), which is controlled by Power Corporation of Canada (Power Corporation) and, ultimately, by the Desmarais Family Residuary Trust. The Company is related to other members of the Power Corporation group of companies including IGM Financial Inc. (IGM), a company in the financial services sector, along with its subsidiaries. Power Corporation also controls Sagard Holdings Management Inc. (Sagard), a multi-strategy alternative asset manager, Power Sustainable, a global multi-platform alternative asset manager, and Portage Ventures (Portage), a global fintech venture capital investment strategy. Lifeco has a minority investment in Sagard. Lifeco and Mackenzie Financial Corporation, a wholly-owned subsidiary of IGM, are investors in Northleaf Capital Partners Ltd. (Northleaf), a global private equity, private credit and infrastructure fund manager. The Company and its subsidiaries invest in funds managed by Sagard, Power Sustainable, Portage and Northleaf. Some of these related entities operate in similar or related sectors to those in which Lifeco's subsidiaries operate. A number of the Company's directors are also directors or officers of Power Corporation or one of its affiliates.

Lifeco's relationship with Power Financial, Power Corporation, Power Sustainable, IGM, Sagard, Portage and other members of the Power Corporation group of companies enables Lifeco to access expertise and industry knowledge, achieve economies of scale and access investment opportunities. As a result of these relationships, Lifeco and other members of the Power Corporation group of companies may become aware of opportunities that are also of potential interest to other members of the group and Lifeco may share information for that purpose. Power Corporation and Power Financial from time to time also assist Lifeco to identify and analyze strategic corporate opportunities that may be of potential interest to it. However, Power Corporation and Power Financial have no commitment to Lifeco that would require them or their respective subsidiaries, directors or officers to offer any particular opportunity to Lifeco.

The Company has related party procedures that require, among other things, transactions between the Company and its subsidiaries and any member of the Power Corporation group of companies to be on terms no less favourable than market terms or where there is no open market, on terms that would reasonably be expected to provide at least fair value to the Company. Under the related party procedures, any material related party transactions must be reviewed and approved by a conduct review committee composed entirely of directors who are independent of management and Power Corporation and its affiliates.

#### **Transactions with Related Parties**

In the normal course of business, Canada 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 Corporation group of companies. In all cases, transactions were at market terms and conditions.

During the year, Canada Life provided to and received from IGM and its subsidiaries, a member of the Power Corporation group of companies, certain administrative and information technology services. During 2021, Canada Life and IGM executed a termination agreement covering the transition of shared information technology services from Canada Life to alternate providers over a number of years. Canada Life also provided life insurance, annuity and disability insurance products under a distribution agreement with IGM. In addition, Canada Life provided distribution services to IGM. All transactions were provided at market terms and conditions.

The Company owns 9,200,448 shares, held through Canada Life, representing 3.87% ownership interest in IGM, an affiliated company controlled by Power Corporation. The Company uses the equity method to account for its investment in IGM as it exercises significant influence. In 2022, the Company earned equity income of \$30 million and received dividends of \$21 million from the investment in IGM.

Segregated funds of the Company were invested in funds managed by IG Wealth Management and Mackenzie Investments. Mackenzie Investments also manages certain of the Company's portfolio investments. The Company also has interests in mutual funds, open-ended investment companies and unit trusts. Some of these funds are sub-advised by related parties of the Company and receive sub-advisory fees related to these services. During the year, the Company and its subsidiaries made additional investments in funds managed by related parties. All transactions were provided at market terms and conditions.

At December 31, 2022, the Company held \$85 million (\$105 million in 2021) of debentures issued by IGM.

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. These transactions were provided at market terms and conditions.

There were no material loans or guarantees issued to or from related parties during 2022. There were no significant outstanding loans or guarantees with related parties at December 31, 2022. There were no provisions for uncollectible amounts with related parties at December 31, 2022.

#### **Translation of Foreign Currency**

Through its operating subsidiaries, Lifeco conducts business in multiple currencies. The four primary currencies are the Canadian dollar, the U.S. dollar, the British pound and the euro. Throughout this document, foreign currency assets and liabilities are translated into Canadian dollars at the market rate at the end of the reporting period. All income and expense items are translated at an average rate for the period. The rates employed are:

				20	)22							20	)21			
Period ended	D	ec. 31	S	ept. 30	J	une 30	N	/lar. 31	D	ec. 31	S	ept. 30	Ji	une 30	N	1ar. 31
United States dollar																
Balance sheet	\$	1.35	\$	1.38	\$	1.29	\$	1.25	\$	1.27	\$	1.27	\$	1.24	\$	1.26
Income and expenses	\$	1.36	\$	1.31	\$	1.28	\$	1.27	\$	1.26	\$	1.26	\$	1.23	\$	1.27
British pound																
Balance sheet	\$	1.64	\$	1.54	\$	1.57	\$	1.64	\$	1.71	\$	1.71	\$	1.71	\$	1.73
Income and expenses	\$	1.59	\$	1.54	\$	1.60	\$	1.70	\$	1.70	\$	1.74	\$	1.72	\$	1.75
Euro																
Balance sheet	\$	1.45	\$	1.35	\$	1.35	\$	1.38	\$	1.44	\$	1.47	\$	1.47	\$	1.47
Income and expenses	\$	1.39	\$	1.31	\$	1.36	\$	1.42	\$	1.44	\$	1.48	\$	1.48	\$	1.53

Additional information relating to Lifeco, including Lifeco's most recent consolidated financial statements, CEO/CFO certification and Annual Information Form are available at www.sedar.com.

## Financial Reporting Responsibility

The consolidated financial statements of Great-West Lifeco Inc. are the responsibility of management and are prepared in accordance with International Financial Reporting Standards (IFRS). The financial information contained elsewhere in the annual report is consistent with that in the consolidated financial statements. The consolidated financial statements necessarily include amounts that are based on management's best estimates. These estimates are based on careful judgments and have been properly reflected in the consolidated financial statements. In the opinion of management, the accounting practices utilized are appropriate in the circumstances and the consolidated financial statements present fairly, in all material respects, the financial position of the Company and the results of its operations and its cash flows in accordance with IFRS.

In carrying out its responsibilities, management maintains appropriate internal control over financial reporting designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements in accordance with IFRS.

The consolidated financial statements were approved by the Board of Directors, which has oversight responsibilities with respect to financial reporting. The Board of Directors carries out this responsibility principally through the Audit Committee, which comprises independent directors. The Audit Committee is charged with, among other things, the responsibility to:

- Review the interim and annual consolidated financial statements and report thereon to the Board of Directors.
- · Review internal control procedures.
- · Review the independence of the external auditors and the terms of their engagement and recommend the appointment and compensation of the external auditors to the Board of Directors.
- Review other audit, accounting and financial reporting matters as required.

In carrying out the above responsibilities, this Committee meets regularly with management, and with both the Company's external and internal auditors to review their respective audit plans and to review their audit findings. The Committee is readily accessible to the external and internal auditors.

The Board of Directors of each of The Canada Life Assurance Company and Empower Annuity Insurance Company of America appoints an Actuary who is either a Fellow of the Canadian Institute of Actuaries or a Fellow of the Society of Actuaries. The Actuary:

- Ensures that the assumptions and methods used in the valuation of policy liabilities are in accordance with accepted actuarial practice, applicable legislation and associated regulations and directives.
- Provides an opinion regarding the appropriateness of the policy liabilities at the balance sheet date to meet all policyholder obligations. Examination of supporting data for accuracy and completeness and analysis of assets for their ability to support the policy liabilities are important elements of the work required to form this opinion.

Deloitte LLP Chartered Professional Accountants, as the Company's external auditors, have audited the consolidated financial statements. The Independent Auditor's Report to the Shareholders is presented following the consolidated financial statements. Their opinion is based upon an examination conducted in accordance with Canadian generally accepted auditing standards, performing such tests and other procedures as they consider necessary in order to obtain reasonable assurance that the consolidated financial statements present fairly, in all material respects, the financial position of the Company and the results of its operations and its cash flows in accordance with IFRS.

**Paul Mahon** 

President and Chief Executive Officer **Garry MacNicholas** 

Executive Vice-President and Chief Financial Officer

& Mac Nicholas

Toronto, Ontario February 8, 2023

# Consolidated Statements of Earnings

#### (in Canadian \$ millions except per share amounts)

For the years ended December 31	2022	2021
Income		
Premium income Gross premiums written Ceded premiums	\$ 64,718 (11,897)	\$ 57,397 (4,584
Total net premiums	52,821	52,813
Net investment income (note 6) Regular net investment income Changes in fair value through profit or loss	8,146 (23,903)	6,393 (2,083
Total net investment income (loss) Fee and other income	(15,757) 7,598 44,662	4,310 7,294 64,417
Benefits and expenses Policyholder benefits Gross	58,836	49,355
Ceded	(2,888)	(3,544
Total net policyholder benefits Changes in insurance and investment contract liabilities	55,948	45,811
Gross Ceded	(24,006)	1,152
	(4,462)	1,891 3,043
Total net changes in insurance and investment contract liabilities Policyholder dividends and experience refunds	(28,468) 2,184	3,043 1,441
Total paid or credited to policyholders	29,664	50,295
Commissions Operating and administrative expenses (note 27) Premium taxes Financing charges (note 16) Amortization of finite life intangible assets (note 10) Restructuring and integration expenses (note 4)	2,675 7,109 497 398 373 178	2,664 6,337 500 328 336 90
Earnings before income taxes Income taxes (note 26)	3,768 234	3,867 304
Net earnings before non-controlling interests Attributable to non-controlling interests (note 18)	3,534 185	3,563 301
Net earnings Preferred share dividends (note 20)	3,349 130	3,262 134
Net earnings – common shareholders	\$ 3,219	\$ 3,128
Earnings per common share (note 20) Basic	\$ 3.455	\$ 3.365
Diluted	\$ 3.452	\$ 3.360
Diluteu	3.452	a 2.200

# Consolidated Statements of Comprehensive Income

## (in Canadian \$ millions)

For the years ended December 31	:	2022	2021
Net earnings	\$	3,349	\$ 3,262
Other comprehensive income (loss)			
Items that may be reclassified subsequently to Consolidated Statements of Earnings			
Unrealized foreign exchange gains (losses) on translation of foreign operations		497	(391)
Unrealized gains (losses) on hedges of the net investment in foreign operations		88	117
Income tax (expense) benefit		28	(12)
Unrealized gains (losses) on available-for-sale assets		(986)	(131)
Income tax (expense) benefit		186	35
Realized (gains) losses on available-for-sale assets		44	(28)
Income tax expense (benefit)		(7)	3
Unrealized gains (losses) on cash flow hedges		(45)	60
Income tax (expense) benefit		12	(16)
Realized (gains) losses on cash flow hedges		-	(48)
Income tax expense (benefit)		-	13
Non-controlling interests		260	107
Income tax (expense) benefit		(73)	(30)
Total items that may be reclassified		4	(321)
Items that will not be reclassified to Consolidated Statements of Earnings			
Re-measurements on defined benefit pension and other post-employment benefit plans (note 23)		505	705
Income tax (expense) benefit		(130)	(190)
Non-controlling interests		(41)	(67)
Income tax (expense) benefit		11	18
Total items that will not be reclassified		345	466
Total other comprehensive income		349	145
Comprehensive income	\$	3,698	\$ 3,407

# Consolidated Balance Sheets

#### (in Canadian \$ millions)

December 31	2022	2021
Assets		
Cash and cash equivalents (note 5)	\$ 7,290	\$ 6,075
Bonds (note 6)	159,587	140,612
Mortgage loans (note 6)	39,529	28,852
Stocks (note 6)	14,268	14,183
Investment properties (note 6)	8,344	7,763
Loans to policyholders	8,820	8,319
-	237,838	205,804
Funds held by ceding insurers (note 7)	15,186	17,194
Reinsurance assets (note 13)	25,018	21,138
Goodwill (note 10)	10,604	9,081
Intangible assets (note 10)	6,209	5,514
Derivative financial instruments (note 28)	2,314	967
Owner occupied properties (note 11)	724	736
Fixed assets (note 11)	399	422
Other assets (note 12)	6,798	4,522
Premiums in course of collection, accounts and interest receivable	6,980	6,366
Current income taxes	336	268
Deferred tax assets (note 26)	1,152	1,057
Investments on account of segregated fund policyholders (note 14)	387,897	357,419
Total assets	\$ 701,455	\$ 630,488
Liabilities		
Insurance contract liabilities (note 13)	\$ 233,888	\$ 208,378
Investment contract liabilities (note 13)	13,810	12,455
Debentures and other debt instruments (note 15)	10,509	8,804
Funds held under reinsurance contracts	8,247	1,542
Derivative financial instruments (note 28)	1,639	1,030
Accounts payable	3,194	3,032
Other liabilities (note 17)	8,794	6,063
Current income taxes	150	193
Deferred tax liabilities (note 26)	1,009	1,089
Investment and insurance contracts on account of segregated fund policyholders (note 14)	387,897	357,419
Total liabilities	669,137	600,005
	555,151	,
Equity		
Non-controlling interests (note 18)		
Participating account surplus in subsidiaries	3,156	3,138
Non-controlling interests in subsidiaries	152	129
Shareholders' equity		
Share capital (note 19)		
Limited recourse capital notes	1,500	1,500
Preferred shares	2,720	2,720
Common shares	5,791	5,748
Accumulated surplus	17,809	16,424
Accumulated other comprehensive income (note 24)	981	632
Contributed surplus	209	192
Total equity	32,318	30,483
Total liabilities and equity	\$ 701,455	\$ 630,488

Approved by the Board of Directors:

Jeffrey Orr

Chair of the Board President and Chief Executive Officer

# Consolidated Statements of Changes in Equity

(in Canadian \$ millions)

(In Canadan & Innions)	December 31, 2022											
		Share capital		Contributed surplus		Accumulated surplus		mulated other rehensive come	Non- controlling interests			Total equity
Balance, beginning of year	\$	9,968	\$	192	\$	16,424	\$	632	\$	3,267	\$	30,483
Net earnings		-		_		3,349		_		185		3,534
Other comprehensive income (loss)		-		-		-		349		(157)		192
		9,968		192		19,773		981		3,295		34,209
Dividends to shareholders												
Preferred shareholders (note 20)		-		-		(130)		-		-		(130)
Common shareholders		-		-		(1,826)		-		-		(1,826)
Shares exercised and issued under share-based												
payment plans (note 19)		43		(54)		-		-		50		39
Share-based payment plans expense		-		67		-		-		-		67
Equity settlement of Putnam share-based plans		-		-		-		-		(66)		(66)
Recognition of non-controlling interest		-		-		-		-		15		15
Disposal of investment in subsidiary		-		-		8		-		6		14
Shares cancelled under Putnam share-based plans		-		4		-		-		(4)		-
Preferred share redemption costs		-		-		(4)		-		-		(4)
Dilution loss on non-controlling interests		-		-		(12)		-		12		-
Balance, end of year	\$	10,011	\$	209	\$	17,809	\$	981	\$	3,308	\$	32,318

	December 31, 2021											
		Share capital		tributed urplus		cumulated surplus	comp	umulated other orehensive ncome		Non- ntrolling nterests		Total equity
Balance, beginning of year	\$	8,365	\$	186	\$	14,990	\$	487	\$	2,987	\$	27,015
Net earnings		-		-		3,262		-		301		3,563
Other comprehensive income (loss)		-		_		_		145		(28)		117
		8,365		186		18,252		632		3,260		30,695
Dividends to shareholders												
Preferred shareholders (note 20)		-		_		(134)		_		-		(134)
Common shareholders		-		_		(1,677)		_		-		(1,677)
Shares exercised and issued under share-based												
payment plans (note 19)		97		(59)		-		-		46		84
Share-based payment plans expense		-		63		_		_		-		63
Equity settlement of Putnam share-based plans		_		_		_		_		(38)		(38)
Shares cancelled under Putnam share-based plans		-		2		_		_		(2)		_
Issuance of limited recourse capital notes (note 19)		1,500		_		_		_		_		1,500
Limited recourse capital notes issue costs (note 19)		_		_		(13)		_		_		(13)
Issuance of preferred shares (note 19)		200		_		_		_		_		200
Redemption of preferred shares		(194)		_		_		_		_		(194)
Share issue costs (note 19)		_		_		(3)		_		_		(3)
Dilution loss on non-controlling interests						(1)				1		
Balance, end of year	\$	9,968	\$	192	\$	16,424	\$	632	\$	3,267	\$	30,483

# Consolidated Statements of Cash Flows

(in Canadian \$ millions)

For the years ended December 31	2022	2021
Operations		
Earnings before income taxes	\$ 3,768	\$ 3,867
Income taxes paid, net of refunds received	(348)	(351)
Adjustments:		
Change in insurance and investment contract liabilities	(23,273)	1,819
Change in funds held by ceding insurers	(294)	845
Change in funds held under reinsurance contracts	(294)	(84
Change in reinsurance assets	3,830	1,915
Changes in fair value through profit or loss	23,903	2,083
Other	(245)	279
Financing Activities	7,047	10,373
Issue of common shares (note 19)	43	97
Issue of preferred shares (note 19)	45	200
Redemption of preferred shares (note 19)	_	(194)
Issue of limited recourse capital notes (note 19)	_	1,500
Limited recourse capital notes issue costs (note 19)	_	(13)
Issue of euro-denominated debt (note 15)	691	(13)
Increase in line of credit of subsidiaries <sup>1</sup>		63
Decrease in line of credit of subsidiaries <sup>1</sup>	1,096	
	(495) 5	(827)
Increase (decrease) in debentures and other debt instruments	5	(4)
Share issue costs (note 19)	_ (4)	(3)
Preferred share redemption costs	(4)	(1.677)
Dividends paid on common shares	(1,826)	(1,677)
Dividends paid on preferred shares (note 20)	(130)	(134)
Investment Activities	(620)	(992)
Bond sales and maturities	27,036	27,288
Mortgage loan repayments	3,080	3,276
Stock sales	4,278	6,286
Investment property sales	55	40
Change in loans to policyholders	(171)	64
Business acquisitions, net of cash and cash equivalents acquired (note 3)	(2,155)	(380)
Investment in bonds	(26,810)	(35,169)
Investment in mortgage loans	(5,635)	(4,574)
Investment in stocks	(4,461)	(7,073)
Investment in investment properties	(710)	(970
	(5,493)	(11,212
Effect of changes in exchange rates on cash and cash equivalents	281	(40
Increase (decrease) in cash and cash equivalents	1,215	(1,871)
Cash and cash equivalents, beginning of year	6,075	7,946
Cash and cash equivalents, end of year	\$ 7,290	\$ 6,075
Supplementary cash flow information		
Interest income received	\$ 5,833	\$ 4,965
Interest paid	408	348
Dividend income received	403	382

<sup>1</sup> The Company has reclassified certain comparative figures to conform to the current year's presentation. These reclassifications had no impact on the equity or net earnings of the Company.

(in Canadian \$ millions except per share amounts)

## **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 Corporation of Canada (Power Corporation) group of companies and is a subsidiary of Power Corporation.

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 operating subsidiaries including The Canada Life Assurance Company (Canada Life), Empower Annuity Insurance Company of America (Empower, formerly known as Great-West Life & Annuity Insurance Company) and Putnam Investments, LLC (Putnam). Effective August 1, 2022, Great-West Life & Annuity Insurance Company changed its legal name to Empower Annuity Insurance Company of America.

The consolidated financial statements (financial statements) of the Company as at and for the year ended December 31, 2022 were approved by the Board of Directors on February 8, 2023.

## **Basis of Presentation and Summary of Accounting Policies**

The consolidated 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). Consistent accounting policies were applied in the preparation of the consolidated financial statements of the subsidiaries of the Company.

#### **Changes in Accounting Policies**

The Company adopted the amendments to IFRS for IAS 37, Provisions, Contingent Liabilities and Contingent Assets and Annual Improvements 2018-2020 Cycle for the amendment to IFRS 16, Leases effective January 1, 2022. The adoption of these amendments did not have a significant impact on the Company's financial statements.

#### **Basis of Consolidation**

The consolidated financial statements of the Company were prepared as at and for the year ended December 31, 2022 with comparative information as at and for the year ended December 31, 2021. 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 variable returns. All intercompany balances and transactions, including income and expenses, profits or losses and dividends, are eliminated on consolidation.

## Impact of COVID-19 and the Conflict Between Russia and Ukraine on Significant Judgments, Estimates and Assumptions

The COVID-19 pandemic has continued to result in uncertainty in global financial markets and the economic environment in which the Company operates. The duration and impact of the COVID-19 pandemic continues to be unknown at this time, as is the efficacy of the associated fiscal and monetary interventions by governments and central banks.

Global financial markets continued to be volatile during 2022, in part due to Russia's military invasion of Ukraine and the related sanctions and economic fallout. The Company continues to monitor potential impacts of the conflict, including financial impacts, heightened cyber risks, and risks related to the global supply chain.

The results of the Company reflect management's judgments regarding the impact of prevailing market conditions related to global credit, equities, investment properties, foreign exchange and inflation, as well as prevailing health and mortality experience.

The provision for future credit losses within the Company's insurance contract liabilities relies upon investment credit ratings. In addition to its own credit assessments, 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 credit rating. Given rapid market changes, third party credit rating changes may lag developments in the current environment.

The fair value of portfolio investments (note 6), the valuation of goodwill and other intangible assets (note 10), the valuation of insurance contract liabilities (note 13) and the recoverability of deferred tax asset carrying values (note 26) reflect management's judgment.

Given the uncertainty surrounding the current environment, the actual financial results could differ from the estimates made in preparation of these financial statements.

#### **Use of Significant Judgments, Estimates and Assumptions**

In preparation of these consolidated 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 consolidated financial statements including:

- Management uses judgment to determine the fair value of assets acquired and liabilities assumed in a business combination.
- Management uses independent qualified appraisal services to determine the fair value of investment properties, 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 (note 6).
- Management uses internal valuation models which utilize judgments and estimates to determine the fair value of equity release mortgages. These valuations are adjusted by applying management judgments and estimates for material changes in projected asset cash flows, and discount rates (note 6).
- 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 9).
- Cash generating units for intangible assets and cash generating unit groupings for goodwill have been determined by management as the lowest level that the assets are monitored for internal reporting purposes, which requires management judgment in the determination of the lowest level of monitoring (note 10).
- Management evaluates the 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 cash generating units for intangible assets relies upon the determination of fair value or value-in-use using valuation methodologies (note 10).
- 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 12 and 17).
- 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.
- The actuarial assumptions, such as interest rates, inflation, 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 13).
- 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 23).
- 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 26).
- Management applies judgment in assessing the recoverability of the deferred income tax asset carrying values based on future years' taxable income projections (note 26).
- · 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 29).
- The operating segments of the Company are the segments reviewed by the Company's Chief Executive Officer to assess performance and allocate resources within the Company. Management applies judgment in the aggregation of the business units into the Company's operating segments (note 31).
- The Company consolidates all subsidiaries and entities which management determines 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 whether the Company retains the primary obligation with a client in sub-advisor arrangements. Where the Company retains the primary obligation to the client, 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 management's judgment that these investing activities are long-term in nature.
- 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.

2. Basis of Presentation and Summary of Accounting Policies (cont'd)

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, equity-method investments 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 or where fair value can be reliably measured are either designated or classified as fair value through profit or loss or classified as available-for-sale on a trade date basis. Equity release mortgages are designated as fair value through profit or loss or classified as available-for-sale. 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 on available-for-sale investments are reclassified from other comprehensive income and recorded in the Consolidated Statements of Earnings when the investment is sold. Interest income earned on both fair value through profit or loss and available-for-sale bonds is calculated using the effective interest method and is recorded as net investment income in the Consolidated Statements of Earnings.

Investments in stocks where a fair value cannot be measured reliably are classified as available-for-sale and carried at cost. 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 Corporation group of companies.

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 and designated 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 an 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 for similar instruments. Valuation inputs typically include benchmark yields and risk-adjusted spreads based on current lending activities and market activity.

#### Equity Release Mortgages - Fair Value Through Profit or Loss and Available-for-Sale

There are no market observable prices for equity release mortgages; therefore an internal valuation model is used discounting expected  $future \ cash \ flows \ and \ includes \ consideration \ of the \ embedded \ nonegative \ equity \ guarantee. \ Inputs \ to \ the \ model \ include \ market \ observable$ inputs such as benchmark yields and risk-adjusted spreads. Non market observable inputs include property growth and volatility rates, expected rates of voluntary redemptions, death, moving to long term care and interest cessation assumptions and the value of the no negative equity guarantee.

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

Fair values for stocks traded on an active market 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 is typically based upon alternative valuation techniques such as discounted cash flow analysis, review of price movement relative to the market and utilization of information provided by the underlying investment manager. 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 the 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 recorded in net investment income, therefore, in the event of an impairment, the reduction will be recorded in net investment income.

#### **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 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 method.

2. Basis of Presentation and Summary of Accounting Policies (cont'd)

## (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.

## (d) Trading Account Assets

Trading account assets consist of investments in sponsored funds, open ended investment companies and sponsored unit-trusts, 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 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, finance leases receivable, right-of-use assets and other miscellaneous assets, are measured at cost or amortized cost. Other liabilities, which include deferred income reserves, bank overdraft, lease liabilities and other miscellaneous liabilities are measured at cost or amortized cost.

Provisions are recognized within other liabilities when the Company has a present obligation, either legal or constructive, resulting from a past event, and in management's judgment, it is probable that an outflow of economic resources will be required to settle the obligation and a reliable estimate can be made of the amount. The amount recognized for provisions are management's best estimate at the balance sheet date. The Company recognizes a provision for restructuring when a detailed formal plan for the restructuring has been established and that the plan has raised a valid expectation in those affected that the restructuring will occur.

Pension and other post-employment benefits also included within other assets and other liabilities are measured in accordance with note 2(x).

## (g) Disposal Group Classified as Held for Sale

Disposal groups are classified as held for sale when the carrying amount will be recovered through a sale transaction rather than continuing use. The fair value of a disposal group is measured at the lower of its carrying amount and fair value less costs to sell. Individual assets and liabilities in a disposal group not subject to these measurement requirements include financial assets, investment properties and insurance contract liabilities. These assets and liabilities are measured in accordance with the relevant accounting policies described for those assets and liabilities included in this note before the disposal group as a whole is measured to the lower of its carrying amount and fair value less cost to sell. Any impairment loss for the disposal group is recognized as a reduction to the carrying amount for the portion of the disposal group under the measurement requirements for IFRS 5, Non-Current Assets Held for Sale and Discontinued Operations.

Disposal group assets and liabilities classified as held for sale are presented separately on the Company's Consolidated Balance Sheets. Gains and losses from disposal groups held for sale are presented separately in the Company's Consolidated Statements of Earnings.

#### (h) Derivative Financial Instruments

The Company uses derivative products as risk management instruments to hedge or manage asset, liability and capital positions, including fee and investment income. 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 28 as prescribed by the Office of the Superintendent of Financial Institutions (OSFI) in 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 in 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.

#### Derivatives not designated as hedges for accounting purposes

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 foreign exchange forward contracts 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 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, cross-currency swaps and equity total return 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 Company disposes of the foreign operation.

The Company currently uses cross-currency swaps, foreign exchange forward contracts, and debt instruments designated as net investment hedges.

#### (i) **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.

## **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 in 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.

2. Basis of Presentation and Summary of Accounting Policies (cont'd)

## (k) 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.

#### **(I) 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 on 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.

## (m) 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 7 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 contracts 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.

## (n) 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, certain customer contracts and distribution channels. These finite life intangible assets are amortized over their estimated useful lives, typically ranging between 3 and 30 years.

Indefinite life intangible assets include brands and trademarks, certain 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.

## **Impairment Testing**

Goodwill and indefinite life intangible assets, including those resulting from an acquisition during the year, 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 loss or a portion thereof.

Goodwill has been allocated to cash generating unit groupings, representing the lowest level that the assets are monitored for internal reporting purposes. Goodwill is tested for impairment by comparing the carrying value of each cash generating unit grouping to its recoverable amount. An impairment loss is recognized for the amount by which the asset's carrying amount exceeds its recoverable amount.

Intangible assets have been allocated to cash generating units, representing the lowest level that the assets are monitored for internal reporting purposes.

Intangible assets with an indefinite useful life are reviewed annually to determine if there are indicators of impairment. If indicators of impairment have been identified, a test for impairment is performed and recognized as necessary. Impairment is assessed by comparing the carrying values of the assets to their recoverable amounts. An impairment loss is recognized for the amount by which the asset's 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 annually to determine if there are indicators of impairment and assess whether the amortization periods and methods are appropriate. If indicators of impairment have been identified, a test for impairment is performed and then the amortization of these assets is adjusted or impairment is recognized as necessary.

## (o) 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 interest 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 income includes fees earned from management of segregated fund assets, proprietary mutual fund assets, record-keeping, fees earned on administrative services only Group health contracts, commissions and fees earned from management services. Fee and other income is recognized on the transfer of services to customers for the amount that reflects the consideration expected to be received in exchange for those services promised.

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.

#### (p) Owner Occupied Properties and Fixed Assets

Property held for own use and fixed assets are carried at cost less accumulated depreciation, disposals and impairments. Depreciation is expensed 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.

### (q) Deferred Acquisition Costs

Included in other assets are deferred acquisition costs related to investment contracts and service contracts. 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 term of the contract, not to exceed 20 years.

### (r) Segregated Funds

Segregated fund assets and liabilities arise from contracts where all financial risks associated with the related assets are borne by policyholders and are presented separately on 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.

2. Basis of Presentation and Summary of Accounting Policies (cont'd)

#### (s) 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 13 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* (IAS 39). 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 8 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/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.

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.

#### (t) 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.

#### (u) 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 in each respective jurisdiction. 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 treatment uncertainties which meet the probable threshold for recognition is measured using either the most likely amount or the expected value, depending upon which method provides the better prediction of the resolution of the uncertainty. The provision for tax uncertainties will be classified as current or deferred based on how a disallowance of the underlying uncertain tax treatment would impact the tax provision accrual as of the balance sheet date.

#### **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 consolidated 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.

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.

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.

## (v) 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.

## (w) Repurchase Agreements

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

#### (x) Pension Plans and Other Post-Employment Benefits

The Company's subsidiaries maintain contributory and non-contributory defined benefit pension plans for eligible 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 23). 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 in the Consolidated Statements of Comprehensive Income.

The Company's subsidiaries also maintain defined contribution pension plans for eligible 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.

2. Basis of Presentation and Summary of Accounting Policies (cont'd)

## (y) Equity

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.

Limited recourse capital notes are classified as share capital as the Company has the sole discretion to settle the obligation to noteholders through the issuance of a fixed number of the Company's own equity instruments. Interest incurred on these instruments is expensed within financing charges in the Consolidated Statements of Earnings.

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 gains (losses) on hedges of the net investment in foreign operations, the unrealized gains (losses) on available-for-sale assets, the unrealized gains (losses) on cash flow hedges, the re-measurements on defined benefit pension and other post-employment benefit plans net of tax and the revaluation surplus on transfer to investment properties, where applicable.

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.

## (z) 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 22). 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 subsidiaries have Deferred Share Unit Plans (DSU Plans) in which the Directors and certain employees of the Company participate. Units issued to Directors under the DSU Plans vest when granted. Units issued to certain employees under the DSU Plans primarily vest over a three year period. 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 remeasured 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 PSU 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 over the vesting period, net of related hedges. The liability is remeasured at fair value at each reporting period.

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.

#### (aa) 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.

#### (ab) Leases

Where the Company is the lessee, a right-of-use asset and a lease liability are recognized on the Consolidated Balance Sheets as at the lease commencement date.

Right-of-use assets are initially measured based on the initial amount of lease liability adjusted for any lease payments made at or before the commencement date, plus any initial direct costs incurred and an estimate of costs to dismantle and remove the underlying asset or to restore the underlying asset or the site on which it is located, less any lease incentive received. Right-of-use assets are included within other assets with the exception of right-of-use assets which meet the definition of investment property which are presented within investment properties and subject to the Company's associated accounting policy. Right-of-use assets presented within other assets are depreciated to the earlier of the useful life of the right-of-use asset or the lease term using the straight-line method. Depreciation expense on right-of-use assets is included within operating and administrative expenses.

Lease liabilities are initially measured at the present value of the lease payments that are not paid at the commencement date, discounted using the interest rate implicit in the lease or, if that rate cannot be readily determined, the Company shall use the lessee's incremental borrowing rate. Generally, the Company uses the lessee's incremental borrowing rate as its discount rate. The lease liability is measured at amortized cost using the effective interest method and is included within other liabilities. Interest expense on lease liabilities is included within operating and administrative expenses.

The Company has elected to apply a practical expedient not to recognize right-of-use assets and lease liabilities for short-term leases that have a lease term of 12 months or less and leases of low-value assets.

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.

## (ac) 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 and for which discrete financial information is available. The Company's operating segments include Canada, United States, Europe, Capital and Risk Solutions, and Lifeco Corporate. The Canada segment comprises the Individual Customer and Group Customer business units. Empower (financial services) and Putnam (asset management) are included in the United States segment. The Europe segment comprises United Kingdom, Ireland, and Germany. Reinsurance is reported in the Capital and Risk Solutions segment. The Lifeco Corporate segment represents activities and transactions that are not directly attributable to the measurement of the operating segments of the Company.

## (ad) Future Accounting Policies

The Company actively monitors changes in IFRS, both proposed and released, by the IASB for potential impact on the Company. The following sets out significant standards that will be adopted on January 1, 2023:

## IFRS 17 - Insurance Contracts (IFRS 17), and IFRS 9 - Financial Instruments (IFRS 9)

IFRS 17 will replace IFRS 4, effective January 1, 2023.

IFRS 17 sets out the requirements for the recognition, measurement, presentation and disclosures of insurance contracts a company issues, reinsurance contracts it holds, and investment contracts with discretionary participation features issued. Under IFRS 17, the Company will:

- · Identify insurance contracts as arrangements where the Company accepts significant insurance risk from another party (the policyholder) by agreeing to compensate the policyholder or beneficiary of the contract for specified uncertain future events that adversely affect the policyholder and whose amount and timing is unknown.
- Separately account for specified embedded derivatives, distinct investment components, and distinct non-insurance goods and services from insurance contracts.
- · Identify portfolios of insurance contracts, which comprises contracts that are subject to similar risks and managed together. Portfolios are further divided based on expected profitability at inception. At a minimum, each portfolio of insurance contracts issued shall be divided into the following groups:
  - · Contracts that are onerous at initial recognition;
  - · Contracts that at initial recognition have no significant possibility of becoming onerous subsequently; and
  - Any of the remaining contracts in the portfolio.

- 2. Basis of Presentation and Summary of Accounting Policies (cont'd)
  - Apply the three measurement models introduced by IFRS 17 as further described below:

#### **General Measurement Model (GMM)**

The Company applies this model to its medium to long-term insurance products, such as individual protection, payout annuities, and longevity swaps.

Under this model, the Company will measure insurance contract liabilities on the balance sheet as the total of:

- a) The fulfilment cash flows (FCF) the current estimates of amounts that a company expects to collect (e.g., premiums) and pay out (e.g. claims, benefits, expenses), including adjustments for the timing and the financial and non-financial risks of those amounts; and
- b) The contractual service margin (CSM) unearned profit for providing insurance coverage, which is subsequently recognized into profit or loss over time as the insurance services are provided.

At the end of each period, the Company will recalculate the FCF and CSM, with the CSM subject to adjustments for interest accretion and certain changes to FCF relating to future service.

#### Premium Allocation Approach (PAA)

The Company applies this model to its short-term insurance products, such as group life and health.

This simplified model can be used when the contract boundary is less than one year or the approach is expected to produce a similar liability amount as under the GMM. Under the PAA, the Company is exempted from calculating and explicitly accounting for the CSM. Instead the liability is set as the premiums received less acquisition expenses, premium revenue recognized, and amounts transferred to fund incurred claims.

#### Variable Fee Approach (VFA)

The Company applies this model to contracts with direct participating features such as participating insurance and segregated fund business with insurance guarantees, where an investment return is provided to the policyholder based on a defined pool of items (e.g. a portfolio of assets).

Similar to the GMM, the VFA initially measures the insurance contract liabilities as the FCF plus CSM. Subsequently, the Company will recalculate the FCF and CSM, with the latter reflecting changes in the Company's share of the pool of items (e.g. future fees and guarantee costs) and certain changes to FCF relating to future service.

A group of insurance contracts issued is considered onerous when the measurement leads to a negative CSM either at issue or when subsequently measured. In this case, the CSM is not allowed to decrease below zero and a loss component is tracked.

The measurement of reinsurance contracts held is similar to insurance contracts issued with the following key differences: the CSM can be positive or negative, and the VFA measurement model cannot be used.

On transition to IFRS 17, the Company will apply the full retrospective approach to all identified insurance contracts unless it is impracticable to do so. When impracticable, the fair value approach will be applied.

The fair value approach calculates the CSM or loss component of the liability for remaining coverage as the difference between the fair value of a group of insurance contracts at the date of transition and the FCF measured at that date.

In addition, IFRS 9 will replace IAS 39, effective January 1, 2023. 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. All financial assets are measured as Fair Value Through Profit or Loss (FVTPL), Fair Value Through Other Comprehensive Income (FVOCI), or amortized cost;
- Allowances for credit losses (ACL) are based on an Expected Credit Loss (ECL) model for all financial assets, except for financial assets classified or designated as FVTPL and equity securities designated as FVOCI. Under the ECL model, a loss allowance is recognized and maintained equal to 12 months of expected credit losses upon initial recognition. If credit risk subsequently increases significantly, or an asset becomes credit-impaired, the loss allowance is increased to cover full, lifetime expected credit losses. Changes in the required loss allowance will be recorded in net investment income in the Consolidated Statements of Earnings; and
- · Hedge accounting that incorporates the risk management practices of an entity, which will not have a material impact to the Company.

The current disclosure for the measurement and classification of the Company's portfolio investments (note 6) provides most of the information required by IFRS 9.

The Company's date of initial application of IFRS 9 is January 1, 2023 and the Company anticipates electing the option of presenting comparative information about a financial asset as if the classification and measurement requirements of IFRS 9 had been applied to that financial asset in the comparative period, as permitted by the amendment to IFRS 17 published by the IASB in December 2021. IFRS 9 includes an accounting policy choice to retain the IAS 39 requirements for hedge accounting, which the Company is currently evaluating.

The expected quantitative impact of transitioning to IFRS 17 and IFRS 9 is illustrated in the opening balance sheet reconciliation table below.

Balance Sheet Condensed View	As Repor IFRS 4 IAS 39 Dec. 31, 2	I	L	Asset / .iability assification	IFRS 9	ı	IFRS 17		ncome Tax	I Ba	Restated FRS 17 & 9 lance Sheet an. 1, 2022
Assets											
Bonds	\$ 140,6	512	\$	-	\$ 2,041	\$	_	\$	-	\$	142,653
Mortgage loans	28,8	352		-	505		_		_		29,357
Stocks	14,1	83		16	26		_		-		14,225
Other assets impacted by IFRS 17 & 9	67,6	577		(20,040)	-		697		350		48,684
Other assets not impacted by IFRS 17 & 9	21,7	45		-	-		-		-		21,745
Investments on account of segregated fund policyholders	357,4	119		-	_		_		_		357,419
Total assets	\$ 630,4	188	\$	(20,024)	\$ 2,572	\$	697	\$	350	\$	614,083
Liabilities											
Insurance contract liabilities	\$ 208,3	378	\$	(58,904)	\$ _	\$	6,812	\$	_	\$	156,286
Investment contract liabilities	12,4	155		41,210	_		_		_		53,665
Other liabilities impacted by IFRS 17 & 9	11,7	26		(1,815)	_		_		(325)		9,586
Other liabilities not impacted by IFRS 17 & 9	10,0	27		_	_		-		-		10,027
Investments and insurance contracts on account											
of segregated fund policyholders	357,4	119		(357,419)	_		_		_		_
Insurance contracts on account of segregated fund											
policyholders		-		65,253	_		_		_		65,253
Investment contracts on account of segregated fund											
policyholders		-		292,166	-		-		-		292,166
Total liabilities	600,0	005		(19,509)	-		6,812		(325)		586,983
Total equity	30,4	183		(515)	2,572		(6,115)		675		27,100
Total liabilities and equity	\$ 630,4	188	\$	(20,024)	\$ 2,572	\$	697	\$	350	\$	614,083

The adoption of IFRS 17 and IFRS 9 is expected to result in an overall reduction of total assets of approximately \$16.4 billion, total liabilities of \$13.0 billion, and total equity of approximately \$3.4 billion to the transition balance sheet as at January 1, 2022.

Asset and liability reclassifications were primarily driven by changes to the groupings of certain assets and liabilities, reclassifications of certain insurance contract liabilities to investment contract liabilities, and presenting liabilities on account of segregated fund policyholders separately between insurance and investment contract liabilities. IFRS 9 adjustments primarily relate to a change in designation of certain loans and receivables held at amortized cost under IAS 39 to FVTPL under IFRS 9. IFRS 17 adjustments relate to changes in insurance contract liabilities and reinsurance assets, which are primarily the result of the establishment of CSM for in-force contracts of \$6.3 billion associated with the shareholders' account and \$2.3 billion associated with the participating account, partially offset by the removal of provisions no longer required under IFRS 17. This does not include the CSM on in-force segregated fund business which does not have a material impact on capital or opening equity.

Total equity is expected to decrease by approximately \$3.4 billion, split \$0.2 billion for the participating account surplus and \$3.2 billion for the shareholders' account surplus.

These impacts are based on the assessments undertaken to date. The exact financial impacts of the accounting changes of adopting IFRS 17 and IFRS 9 may be revised as further analysis is completed prior to presentation of financial information for periods including the date of initial application. The Company expects to be in a position to issue further guidance on the impact of adopting IFRS 17 and IFRS 9 in conjunction with the first quarterly report to shareholders for the financial year commencing January 1, 2023.

# Notes to Consolidated Financial Statements

## 2. Basis of Presentation and Summary of Accounting Policies (cont'd)

Standard	Summary of Other Future Changes
IAS 1 — Presentation of Financial Statements	In February 2021, the IASB published <i>Disclosure of Accounting Policies</i> , amendments to IAS 1, <i>Presentation of Financial Statements</i> . The amendments clarify how an entity determines whether accounting policy information is material.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IAS 8 – Accounting Policies, Changes in	In February 2021, the IASB published <i>Definition of Accounting Estimates</i> , amendments to IAS 8, <i>Accounting Policies, Changes in Accounting Estimates and Errors</i> . The amendments clarify the difference between an accounting policy and an accounting estimate.
Accounting Estimates and Errors	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IAS 12 — Income Taxes	In May 2021, the IASB published Deferred Tax Related to Assets and Liabilities from a Single Transaction, amendments to IAS 12, Income Taxes. The amendments clarify that for transactions in which both deductible and taxable temporary differences arise on initial recognition that result in deferred tax assets and liabilities of the same amount, deferred tax assets and liabilities are to be recognized.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2023, with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.
IFRS 16 – Leases	In September 2022, the IASB published Lease Liability in a Sale and Leaseback, amendments to IFRS 16, Leases. The amendments clarify that in a sale and leaseback transaction, the seller-lessee subsequent measurement of the lease liability arising from a leaseback does not recognize any amount of gain or loss related to the right of use it retains.
	These amendments are effective for annual reporting periods beginning on or after January 1, 2024 with earlier application permitted. The Company does not anticipate a significant impact on its consolidated financial statements as a result of these amendments.

#### 3. **Business Acquisitions and Other Transactions**

## (a) Acquisition of Personal Capital Corporation

On August 17, 2020, Empower completed the acquisition of 100% of the equity of Personal Capital Corporation. Upon completion of the purchase price allocation in the fourth quarter of 2020, a contingent consideration earn-out provision of \$26 (U.S. \$20) was recognized, representing management's best estimate of growth in assets under management metrics defined in the Merger Agreement. The contingent consideration provision was increased by \$101 (U.S. \$80) in 2021 for a total contingent consideration provision of \$127 (U.S. \$100) at December 31, 2021. The increase in 2021 was due to growth in net new assets above the amount assumed at the date of acquisition.

The Merger Agreement allows for contingent consideration of up to \$236 (U.S. \$175) based on the achievement of growth in assets under management metrics, payable following measurements through December 31, 2021 and December 31, 2022. Changes in the fair value of the contingent consideration measured in accordance with the Merger Agreement subsequent to the completion of the purchase price allocation are recognized in operating and administrative expenses in the Consolidated Statements of Earnings. During the first quarter of 2022, the Company made its first payment of U.S. \$59 based on assets under management metrics achieved through December 31, 2021.

During the third quarter of 2022, the remaining contingent consideration provision of \$54 (U.S. \$41) was released, resulting in a recovery of \$54 to operating and administrative expenses in the Consolidated Statements of Earnings, as the current growth in net new assets was below the level where further contingent consideration would be payable. The fair value of contingent consideration was nil at December 31, 2022.

## (b) Acquisition of Prudential Retirement Services Business

On April 1, 2022, Empower completed the purchase, through a share purchase and a reinsurance transaction, of the full-service retirement business of Prudential Financial, Inc. (Prudential). The Company assumed the economics and risks associated with the business, while Prudential continues to retain the obligation to the contract holders of the reinsured portion. The Company acquired the business for \$4,350 (U.S. \$3,480) of total value which includes purchase consideration of \$2,628 (U.S. \$2,102) including the base purchase price, ceding commission and working capital adjustments and \$1,722 (U.S. \$1,378) of required capital to support the business.

The transaction was funded with \$1,500 (U.S. \$1,193) of limited recourse capital notes and U.S. \$823 of short-term debt, in addition to existing resources. On March 30, 2022, Great-West Lifeco U.S. LLC, a subsidiary of the Company, established a 2-year U.S. \$500 nonrevolving credit facility with interest on the drawn balance equal to a floating rate based on Adjusted Term Secured Overnight Financing Rate (SOFR). The facility is fully and unconditionally guaranteed by the Company. On the acquisition date, the U.S. \$500 facility was fully drawn, along with U.S. \$323 from an existing revolving credit facility, to finance a portion of the acquisition. The existing revolving credit facility incurs interest on the drawn balance equal to a floating rate based on Adjusted Term SOFR. On July 1, 2022, Great-West Lifeco U.S. LLC made a payment of U.S. \$150 on its existing revolving credit facility, followed by a final payment of U.S. \$173 on December 30, 2022. As at December 31, 2022, the \$675 (U.S. \$500) facility was fully drawn, along with nil from the existing revolving credit facility.

During the fourth quarter of 2022, the Company completed its comprehensive evaluation of the fair value of net assets acquired from Prudential and the purchase price allocation. The initial purchase consideration was adjusted from \$2,744 to \$2,628 (U.S. \$2,195 to U.S. \$2,102).

Initial goodwill presented in the Company's June 30, 2022 consolidated financial statements of \$1,109 (U.S. \$887) was adjusted to \$1,264 (U.S. \$1,011). Adjustments were made to the provisional amounts disclosed in the Company's June 30, 2022 consolidated financial statements for the recognition and measurement of intangible assets, assets acquired and liabilities assumed. Intangible assets recognized include customer contracts of \$450 (U.S. \$360), which have accumulated amortization of \$22 (U.S. \$16) as at December 31, 2022. Included in other liabilities, the Company also assumed an investment advisory contract with unfavourable out-of-market terms, initially recognized at \$38 (U.S. \$30), of which \$5 (U.S. \$4) has been amortized through the year ended December 31, 2022.

The Company determined the fair value of the intangible assets and insurance contract liabilities acquired, using valuation techniques that incorporate projections of cash flows and discount rates. The valuation of intangible assets acquired is determined by applying judgments and estimates for forecasted revenues and earnings, and discount rates. Further, the valuation of the actuarial liabilities assumed are determined by applying judgments and assumptions to determine appropriate valuation models, and projections of cash inflows and outflows using the best estimate of future experience, specifically policyholder behaviour, together with the discount rates. Adjustments were also made to the provisional amounts reported for investments on account of segregated fund policyholders acquired and investment and insurance contracts on account of segregated fund policyholders assumed, which had no impact on the fair value of net assets acquired.

#### 3. Business Acquisitions and Other Transactions (cont'd)

The initial amounts assigned to the assets acquired, goodwill, intangible assets and liabilities assumed on April 1, 2022, and reported as at December 31, 2022 are as follows:

Assets acquired and goodwill	
Cash and cash equivalents	\$ 487
Bonds	36,292
Mortgage loans	8,017
Stocks	381
Goodwill	1,264
Intangible assets	450
Other assets	100
Premiums in the course of collection, accounts and interest receivable	276
Investments on account of segregated fund policyholders	77,700
Total assets acquired and goodwill	\$ 124,967

Liabilities assumed	
Insurance contract liabilities	\$ 43,550
Investment contract liabilities	690
Accounts payable	11
Other liabilities	388
Investment and insurance contracts on account of segregated fund policyholders	77,700
Total liabilities assumed	\$ 122,339

The following provides the change in the carrying value from April 1, 2022 to December 31, 2022 of the goodwill on acquisition:

Goodwill previously reported at June 30, 2022	\$ 1,109
Final measurement of intangible assets	285
Purchase consideration adjustments	(116)
Other measurement period adjustments	(14)
Goodwill reported at December 31, 2022	\$ 1,264

The goodwill represents the excess of the purchase price over the fair value of the net assets, representing the synergies or future economic benefits arising from other assets acquired that are not individually identifiable and separately recognized in the acquisition. These synergies represent meaningful expense and revenue opportunities which are expected to be accretive to earnings. The goodwill is deductible for tax purposes.

During the year ended December 31, 2022, the Company incurred acquisition expenses of \$102 (U.S. \$79), which are recorded in the Consolidated Statements of Earnings.

During the year ended December 31, 2022, Prudential contributed revenue of \$609 (U.S. \$525), net earnings of \$94 (U.S. \$70) and other comprehensive loss of \$43 (U.S. \$34). These amounts are included in the Consolidated Statements of Earnings and Comprehensive Income. Supplemental pro-forma revenue and net earnings for the combined entity, as though the acquisition date for this business combination had been as of the beginning of the annual reporting period, has not been included as it is impracticable as Prudential had a different financial reporting basis than the Company.

Assets acquired and goodwill

Total liabilities assumed

## (c) Acquisition of Ark Life Assurance Company

On November 1, 2021, Irish Life Group Limited (Irish Life), an indirect wholly-owned subsidiary of the Company, completed the acquisition of Ark Life Assurance Company dac (Ark Life) from Phoenix Group Holdings plc for total cash consideration of \$332 (€230). Ark Life is closed to new business and manages a range of pensions, savings and protection policies for its customers in the Irish market.

During the fourth quarter of 2022, the Company completed its comprehensive evaluation of the fair value of the net assets acquired from Ark Life, and the purchase price allocation.

Initial goodwill presented in the Company's December 31, 2021 consolidated financial statements of \$21 (€15), was adjusted upon the completion of the purchase price allocation. An excess of the fair value of the net assets acquired over the purchase price of \$20 (€14) was recognized in the Consolidated Statements of Earnings as regular net investment income and is non-taxable. Adjustments were made to the provisional amounts disclosed in the Company's December 31, 2021 consolidated financial statements for the recognition and measurement of intangible assets and liabilities assumed. Intangible assets recognized include customer contracts of \$48 (€34), which have accumulated amortization of \$4 ( $\in$ 3) as at December 31, 2022.

Comparative information in the Company's consolidated financial statements has not been restated.

The Company determined the fair value of the intangible assets using valuation techniques that incorporate projections of discounted cash flows by applying judgments and estimates for forecasted revenues, renewal expenses, and discount rates.

The amounts assigned to the assets acquired, goodwill and liabilities assumed on November 1, 2021, reported as at December 31, 2022 are as follows:

\$ 17
333
48
1,238
89
2,844
\$ 4,569
\$ 1,257
43
62
11
2,844
\$

The following provides the change in the carrying value of goodwill from December 31, 2021 to December 31, 2022:

Goodwill previously reported at December 31, 2021	\$ 21
Recognition and measurement of intangible assets	(48)
Recognition of deferred tax liabilities on intangible assets and other measurement period adjustments	7
Excess of the fair value of the net assets acquired over the purchase price at December 31, 2022	\$ (20)

During the fourth quarter of 2022, Ark Life Assurance Company dac changed its legal name to Irish Life Ark Dublin dac.

### (d) U.S. Reinsurance Agreement

On December 31, 2022, Empower completed two separate agreements to cede, via indemnity reinsurance, \$7,946 of insurance contract liabilities to a non-related party. As a result of the transaction, \$7,946 of reinsurance assets (note 13), \$7,031 of funds held under reinsurance contracts and \$918 of other liabilities (note 17) were recognized on the Consolidated Balance Sheets at December 31, 2022. Within the Consolidated Statements of Earnings, the Company recognized an increase of \$8,005 to ceded premiums, as well as a decrease of \$8,005 to total paid or credited to policyholders and an increase of \$3 to operating and administrative expenses (note 27) as a result of the transaction.

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#### 4. **Restructuring and Integration Expenses**

## (a) Canada Restructuring

At December 31, 2022, the Company has a restructuring provision of \$14 (\$56 at December 31, 2021) remaining in other liabilities. The change in the restructuring provision for the Canada restructuring is set out below:

	2022		2	2021
Balance, beginning of year	\$	56	\$	86
Amounts used		(42)		(30)
Balance, end of year	\$	14	\$	56

The Company expects to utilize a significant portion of these amounts during 2023.

## (b) Empower Restructuring and Integration

The Company recorded integration expenses of \$128 (\$74 in 2021) and restructuring expenses of \$50 (\$10 in 2021) in the Consolidated Statements of Earnings during year ended December 31, 2022. The restructuring is primarily attributable to staff reductions and other exit costs related to the Company's acquisitions of the retirement services businesses of Massachusetts Mutual Life Insurance Company and Prudential (note 3).

At December 31, 2022, the Company has a restructuring provision of \$28 (\$19 at December 31, 2021) remaining in other liabilities. The change in the restructuring provision for the Empower restructuring is set out below:

	2022	2021
Balance, beginning of year	\$ 19	\$ 37
Restructuring expenses	50	10
Amounts used	(43	(28)
Changes in foreign exchange rates	2	-
Balance, end of year	\$ 28	\$ 19

The Company expects to pay out a significant portion of these amounts during 2023. The Company expects to incur further restructuring and integration expenses associated with the Prudential acquisition in 2023 (note 3).

#### 5. **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.

	2022		2021
Cash	\$	4,013	\$ 3,202
Short-term deposits		3,277	2,873
Total	\$	7,290	\$ 6,075

At December 31, 2022, cash and short-term deposits of \$879 were restricted for use by the Company (\$1,303 at December 31, 2021) in respect of cash held in trust for reinsurance agreements or with regulatory authorities, cash held under certain indemnity arrangements, client monies held by brokers and cash held in escrow.

## **Portfolio Investments**

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

	2	022	2021			
	Carrying	Fair	Carrying	Fair		
	value	value	value	value		
Bonds						
Designated fair value through profit or loss 1	\$ 113,596	\$ 113,596	\$ 103,645	\$ 103,645		
Classified fair value through profit or loss 1	181	181	168	168		
Available-for-sale	11,864	11,864	12,123	12,123		
Loans and receivables	33,946	30,448	24,676	26,717		
	159,587	156,089	140,612	142,653		
Mortgage loans						
Residential						
Designated fair value through profit or loss <sup>1</sup>	3,125	3,125	2,609	2,609		
Available-for-sale	240	240	-	_		
Loans and receivables	12,202	11,256	9,580	9,860		
	15,567	14,621	12,189	12,469		
Commercial	23,962	21,953	16,663	17,189		
	39,529	36,574	28,852	29,658		
Stocks						
Designated fair value through profit or loss 1	13,305	13,305	13,269	13,269		
Available-for-sale	206	206	209	209		
Available-for-sale, at cost <sup>2</sup>	119	119	124	124		
Equity method	638	610	581	633		
	14,268	14,240	14,183	14,235		
Investment properties	8,344	8,344	7,763	7,763		
Total	\$ 221,728	\$ 215,247	\$ 191,410	\$ 194,309		

<sup>1</sup> Under IAS 39, 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.

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

		2022						
		Term to maturity						
	1 year or less			er 1 year 5 years	Over 5 years			Total
Bonds <sup>1</sup>	\$	13,560	\$	42,892	\$	103,095	\$	159,547
Mortgage loans <sup>2</sup>		2,688		19,108		17,722		39,518
Total .	\$	16,248	\$	62,000	\$	120,817	\$	199,065
					2021			
			Term	to maturity				
		1 year or less		ver 1 year o 5 years		Over 5 years		Total
Bonds <sup>1</sup>	\$	11,118	\$	28,207	\$	101,269	\$	140,594
Mortgage loans <sup>2</sup>		1,698		11,281		15,802		28,781
Total	\$	12,816	\$	39,488	\$	117,071	\$	169,375

<sup>1</sup> Excludes the carrying value of impaired bonds as the ultimate timing of collectability is uncertain.

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.

<sup>2</sup> Fair value cannot be reliably measured, therefore the investments are held at cost.

<sup>2</sup> Excludes the carrying value of impaired mortgage loans as the ultimate timing of collectability is uncertain. Mortgage loans include equity release mortgages which do not have a fixed redemption date. The maturity profile of the portfolio has therefore been estimated based on previous redemption experience.

#### 6. Portfolio Investments (cont'd)

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

A significant amount of the Company's equity method investments relate to the Company's investment, held through Canada Life, in an affiliated company, IGM, a member of the Power Corporation 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 9,200,448 shares of IGM at December 31, 2022 (9,200,448 at December 31, 2021) representing a 3.87% ownership interest (3.85% at December 31, 2021). 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 Corporation, shared representation on the Boards of Directors of the Company and IGM, interchange of managerial personnel, certain shared strategic alliances, significant intercompany transactions and service agreements that influence the financial and operating policies of both companies.

	2022		2	2021
Carrying value, beginning of year	\$	366	\$	354
Equity method share of IGM net earnings		30		33
Dividends received		(21)		(21)
Carrying value, end of year	\$	375	\$	366
Share of equity, end of year	\$	237	\$	243
Fair value, end of year	\$	347	\$	418

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 other market 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 consolidated financial statements.

IGM's financial information as at December 31, 2022 can be obtained in its publicly available information.

At December 31, 2022, IGM owned 37,337,133 (37,337,133 at December 31, 2021) common shares of the Company.

## (d) Included in portfolio investments are the following:

### (i) Carrying amount of impaired investments

	2022		2021
Impaired amounts by classification			
Fair value through profit or loss	\$ 1	\$	5 14
Available-for-sale		-	7
Loans and receivables	4	)	71
Total	\$ 5	ı \$	92

The carrying amount of impaired investments includes \$40 bonds and \$11 mortgage loans at December 31, 2022. (\$18 bonds, \$71 mortgage loans and \$3 stocks at December 31, 2021). The above carrying values for loans and receivables are net of allowances of \$16 at December 31, 2022 and \$28 at December 31, 2021.

# (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:

			2	022					2	021		
			Мо	rtgage					Мо	rtgage		
	Вс	onds	le	oans	Total		Bonds		loans		Total	
Balance, beginning of year	\$	_	\$	28	\$	28	\$	-	\$	57	\$	57
Net provision for credit losses – in year		-		42		42		_		30		30
Write-offs, net of recoveries		-		(54)		(54)		-		(59)		(59)
Balance, end of year	\$	-	\$	16	\$	16	\$	-	\$	28	\$	28

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:

	2022											
	Bonds		Mortgage Bonds loans		9			estment operties		Other		Total
Regular net investment income:												
Investment income earned	\$	5,858	\$	1,217	\$	404	\$	459	\$	705	\$	8,643
Net realized gains (losses)												
Available-for-sale		(71)		_		27		_		_		(44)
Other classifications		-		17		_		_		(31)		(14)
Net allowances for credit losses on loans												
and receivables		_		(42)		_		_		_		(42)
Other income (expenses)		-		-		_		(154)		(243)		(397)
		5,787		1,192		431		305		431		8,146
Changes in fair value through profit or loss assets:												
Classified fair value through profit or loss		4		_		_		_		_		4
Designated fair value through profit or loss		(22,558)		(639)		(636)		_		(33)		(23,866)
Recorded at fair value through profit or loss		-		-		-		(41)		-		(41)
		(22,554)		(639)		(636)		(41)		(33)		(23,903)
Total	\$	(16,767)	\$	553	\$	(205)	\$	264	\$	398	\$	(15,757)
							2021					

2021											
		Mortgage			Investment						
Bonds		loans			Stocks pi		perties	Other			Total
\$	4,262	\$	916	\$	391	\$	422	\$	636	\$	6,627
	13		_		14		-		_		27
	12		59		7		_		34		112
	_		(30)		-		_		_		(30)
	_		_		_		(146)		(197)		(343)
	4,287		945		412		276		473		6,393
	(104)		_		-		-		_		(104)
	(4,693)		(121)		2,150		_		70		(2,594)
	_		_		_		615		_		615
	(4,797)		(121)		2,150		615		70		(2,083)
\$	(510)	\$	824	\$	2,562	\$	891	\$	543	\$	4,310
		\$ 4,262 13 12 - 4,287 (104) (4,693) - (4,797)	\$ 4,262 \$  13 12  - 4,287  (104) (4,693) - (4,797)	\$ 4,262 \$ 916  13	\$ 4,262 \$ 916 \$  13	Bonds         loans         Stocks           \$ 4,262         \$ 916         \$ 391           13         -         14           12         59         7           -         -         -           -         -         -           4,287         945         412           (104)         -         -           (4,693)         (121)         2,150           -         -         -           (4,797)         (121)         2,150	Bonds     loans     Stocks     pro       \$ 4,262     \$ 916     \$ 391     \$       13     -     14     12     59     7       -     -     (30)     -     -       -     -     -     -     -       4,287     945     412       (104)     -     -     -       (4,693)     (121)     2,150       -     -     -     -       (4,797)     (121)     2,150	Bonds         loans         Stocks         properties           \$ 4,262         \$ 916         \$ 391         \$ 422           13         -         14         -           12         59         7         -           -         -         -         -           -         -         -         (146)           4,287         945         412         276           (104)         -         -         -           (4,693)         (121)         2,150         -           -         -         -         615           (4,797)         (121)         2,150         615	Bonds         loans         Stocks         properties         Comparison           \$ 4,262         \$ 916         \$ 391         \$ 422         \$           13         -         14         -	Bonds         loans         Stocks         properties         Other           \$ 4,262         \$ 916         \$ 391         \$ 422         \$ 636           13         -         14         -         -           12         59         7         -         34           -         -         0         -         -         -         -           -         -         -         0         197)         -	Bonds         loans         Stocks         properties         Other           \$ 4,262         \$ 916         \$ 391         \$ 422         \$ 636         \$           13         -         14         -         -         -         34           -         (30)         -

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, distributions from private equity and equity income from the investment in IGM. 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.

#### **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. Included in the collateral deposited with the Company's lending agent is cash collateral of \$191 at December 31, 2022 (\$169 at December 31, 2021). 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, 2022, the Company had loaned securities (which are included in invested assets) with a fair value of \$9,550 (\$10,525 at December 31, 2021).

## 7. Funds Held by Ceding Insurers

At December 31, 2022, the Company had amounts on deposit of \$15,186 (\$17,194 at December 31, 2021) for funds held by ceding insurers on the Consolidated Balance Sheets. Income and expenses arising from the agreements are included in net investment income in the Consolidated Statements of Earnings.

The details of the funds on deposit for certain agreements where the Company has credit risk are as follows:

## (a) Carrying values and estimated fair values:

	2022				2021					
	Carrying Fair value value				Carrying value			Fair value		
Cash and cash equivalents	\$	222	\$	222	\$	336	\$	336		
Bonds		11,172		11,172		14,105		14,105		
Mortgages		457		457		558		558		
Other assets		129		129		126		126		
Total	\$	11,980	\$	11,980	\$	15,125	\$	15,125		
Supporting:										
Reinsurance liabilities	\$	11,825	\$	11,825	\$	14,907	\$	14,907		
Surplus		155		155		218		218		
Total	\$	11,980	\$	11,980	\$	15,125	\$	15,125		

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

	2022	2021
Bonds issued or guaranteed by:		
Treasuries	\$ 383	\$ 1,032
Government related	1,122	1,463
Agency securitized	139	183
Non-agency securitized	1,350	1,660
Financials	2,020	2,628
Communications	327	427
Consumer products	1,728	2,031
Energy	517	644
Industrials	1,029	1,243
Technology	386	498
Transportation	319	404
Utilities	1,652	1,892
Total long-term bonds	10,972	14,105
Short-term bonds	200	_
Total	\$ 11,172	\$ 14,105

## (c) The following provides details of the carrying value of mortgages included in the funds on deposit by property type:

	2	.022	2021		
Multi-family residential	\$	110	\$	126	
Commercial		347		432	
Total	\$	457	\$	558	

## (d) Asset quality:

Bond Portfolio by Credit Rating

	2022		2021
AAA	\$ 1,037	\$	1,251
AA	2,607		3,721
A	4,289		5,222
BBB	3,124		3,749
BB and lower	115		162
Total	\$ 11,172	\$	14,105

## 8. Financial Instruments Risk Management

The Company has policies relating to the identification, measurement, management, monitoring and reporting 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 loss resulting from an obligor's potential inability or unwillingness to fully meet its contractual obligations. The following policies and procedures are in place to manage this risk:

- Investment and risk policies aim to minimize undue concentration within issuers, connected companies, industries or individual geographies.
- Investment and risk limits specify minimum and maximum limits for each asset class.
- Identification of credit risk through an internal credit risk rating system which includes a detailed assessment of an obligor's
  creditworthiness. Internal credit risk ratings cannot be higher than the highest rating provided by certain independent ratings
  companies.
- 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 manages derivative credit risk
  by including derivative exposure to aggregate credit exposures measured against rating based obligor limits and through collateral
  arrangements where possible.
- Counterparties providing reinsurance to the Company are reviewed for financial soundness as part of an ongoing monitoring process. The minimum financial strength of reinsurers is outlined in the Reinsurance Risk Management Policy. The Company seeks to minimize reinsurance credit risk by setting rating based limits on net ceded exposure by counterparty as well as seeking protection in the form of collateral or funds withheld arrangements where possible.
- · Investment guidelines also specify collateral requirements.

#### 8. Financial Instruments Risk Management (cont'd)

#### 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.

	2022	2021
Cash and cash equivalents	\$ 7,290	\$ 6,075
Bonds		
Fair value through profit or loss	113,777	103,813
Available-for-sale	11,864	12,123
Loans and receivables	33,946	24,676
Mortgage loans	39,529	28,852
Loans to policyholders	8,820	8,319
Funds held by ceding insurers <sup>1</sup>	15,186	17,194
Reinsurance assets	25,018	21,138
Interest due and accrued	1,709	1,239
Accounts receivable	3,556	3,183
Premiums in course of collection	1,715	1,944
Trading account assets	2,972	1,671
Finance leases receivable	536	433
Other assets <sup>2</sup>	1,995	1,196
Derivative assets	2,314	967
Total	\$ 270,227	\$ 232,823

<sup>1</sup> Includes \$11,980 (\$15,125 at December 31, 2021) of funds held by ceding insurers where the Company retains the credit risk of the assets supporting the liabilities ceded (note 7).

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 \$1,348 of collateral received from counterparties as at December 31, 2022 (\$318 at December 31, 2021) relating to derivative assets.

As at December 31, 2022, \$12,061 of the \$25,018 of reinsurance assets are ceded to Protective Life Insurance Company (\$14,512 of \$21,138 at December 31, 2021). This concentration risk is mitigated by funds held in trust and other arrangements of \$13,685 as at December 31, 2022 (\$15,963 at December 31, 2021).

<sup>2</sup> Includes items such as current income taxes receivable and miscellaneous other assets of the Company (note 12).

#### (ii) Concentration of Credit Risk

Concentrations of credit risk arise from exposures to a single obligor, a group of related obligors or groups of obligors that have  $similar\ credit\ risk\ characteristics\ and\ operate\ in\ the\ same\ geographic\ region\ or\ in\ similar\ industries.$  The\ characteristics\ are\ similar\ industries. 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 operating segment:

			2022							
		Canada	United States		Europe		pital and Solutions		Total	
Bonds issued or guaranteed by:										
Treasuries	\$	892	\$ 330	\$	7,539	\$	3,222	\$	11,983	
Government related		17,054	3,283		6,631		373		27,341	
Agency securitized		175	1,270		_		15		1,460	
Non-agency securitized		2,355	15,022		734		123		18,234	
Financials		3,625	13,507		4,520		921		22,573	
Communications		1,008	1,872		667		137		3,684	
Consumer products		4,352	10,934		1,743		968		17,997	
Energy		2,277	3,698		406		285		6,666	
Industrials		2,187	8,670		1,250		418		12,525	
Technology		848	3,394		392		298		4,932	
Transportation		3,503	2,090		638		122		6,353	
Utilities		9,507	8,482		3,131		478		21,598	
Total long-term bonds		47,783	72,552		27,651		7,360		155,346	
Short-term bonds		3,001	17		822		401		4,241	
Total	\$	50,784	\$ 72,569	\$	28,473	\$	7,761	\$	159,587	
					2021					
		Canada	United States		Europe		pital and Solutions		Total	
Bonds issued or guaranteed by:										
Treasuries	\$	529	\$ 109	\$	10,334	\$	4,735	\$	15,707	
Government related		19,501	2,183		8,694		349		30,727	
Agency securitized		178	497		_		17		692	
Non-agency securitized		2,215	7,788		1,149		165		11,317	
Financials		3,794	6,251		5,748		886		16,679	
Communications		1,104	1,235		1,032		113		3,484	
Consumer products		4,029	5,461		2,412		736		12,638	
Energy		2,602	2,634		482		330		6,048	
Industrials		2,092	4,707		1,393		348		8,540	
Technology		729	1,732		411		319		3,191	
Transportation		3,674	1,227		897		135		5,933	
Utilities	_	9,971	5,028		4,480		506		19,985	
Total long-term bonds		50,418	38,852		37,032		8,639		134,941	
Short-term bonds		2,854	1,976		644		197		5,671	
Total	\$	53,272	\$ 40,828	\$	37,676	\$	8,836	\$	140,612	

#### 8. Financial Instruments Risk Management (cont'd)

The following provides details of the carrying value of mortgage loans by operating segment:

					2022			
Iulti-family residential	 United Canada States		Europe		Capital and Risk Solutions		Total	
Single family residential	\$ 1,856	\$	_	\$	_	\$	_	\$ 1,856
Multi-family residential	4,732		4,677		897		40	10,346
Equity release	1,392		-		1,705		268	3,365
Commercial	9,126		11,278		3,503		55	23,962
Total	\$ 17,106	\$	15,955	\$	6,105	\$	363	\$ 39,529

	2021												
	Canada			United States	I	Europe		tal and olutions		Total			
Single family residential	\$	1,979	\$	_	\$	-	\$	_	\$	1,979			
Multi-family residential		4,297		2,474		792		38		7,601			
Equity release		1,063		_		1,546		_		2,609			
Commercial		9,364		3,696		3,553		50		16,663			
Total	\$	16,703	\$	6,170	\$	5,891	\$	88	\$	28,852			

### (iii) Asset Quality

Bond Portfolio by Credit Rating

	2022	2021
AAA	\$ 25,399	\$ 20,254
AA	32,244	35,460
A	55,063	48,764
BBB	45,080	35,098
BB and lower	1,801	1,036
Total	\$ 159,587	\$ 140,612
Derivative Portfolio by Credit Rating		

Delivative Fortions by Credit Rating	2022	2021		
Over-the-counter contracts (counterparty ratings):				
AA	\$ 1,604	\$	662	
A	697		304	
Exchange-traded	13		1	
Total	\$ 2,314	\$	967	

### (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:

	2022	2021		
Less than 30 days	\$ 530	\$	164	
30 - 90 days	348		34	
Greater than 90 days	147		141	
Total	\$ 1,025	\$	339	

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:

	2022	2021
Participating	\$ 1,3	27 \$ 1,376
Non-participating	1,8	96 1,895
Total	\$ 3,2	23 \$ 3,271

### (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 35% (approximately 48% in 2021) of insurance and investment contract liabilities are non-cashable prior to maturity or claim, with a further 30% approximately (24% in 2021) of insurance and investment contract liabilities subject to fair value adjustments under certain conditions.
- 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. At December 31, 2022, the Company maintains \$950 of liquidity at the Lifeco level through committed lines of credit with Canadian chartered banks. As well, the Company maintains a U.S. \$500 revolving credit agreement and a U.S. \$500 non-revolving credit agreement at Great-West Lifeco U.S. LLC, a U.S. \$300 revolving credit agreement with a syndicate of banks for use by Putnam, and a U.S. \$50 line of credit at Empower.

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 for certain of the Company's financial liabilities.

					Pa	yments	due by peri	od				
	Total	1	l year	2	years	3	years	4	years	5	years	Over years
Debentures and other debt instruments	\$ 9,544	\$	725	\$	-	\$	675	\$	725	\$	540	\$ 6,879
Capital trust securities 1	150		-		-		_		-		-	150
Purchase obligations	537		184		108		79		55		47	64
Pension contributions	315		315		-		-		-		-	_
Total	\$ 10,546	\$	1,224	\$	108	\$	754	\$	780	\$	587	\$ 7,093

<sup>1</sup> Payments due have not been reduced to reflect that the Company held capital trust securities of \$37 principal amount (\$44 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.

### **Caution Related to Risk Sensitivities**

These consolidated 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.

#### 8. Financial Instruments Risk Management (cont'd)

#### (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. The Company's debt obligations are denominated in Canadian dollars, euros, and U.S. 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.
- For assets backing liabilities not matched by currency, the Company would normally convert the assets 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.
- For products that provide policyholders the right to redeem balances at book value, the Company has product features to mitigate interest rate risk.
- 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 0.11% in 2022 (0.11% in 2021). 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 because the Company's sensitivity to interest rate movements varies at different terms.

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.

The impact to the value of liabilities from an immediate parallel 1% increase or 1% decrease in the interest rates would be largely offset by changes in the value of assets supporting the liabilities. Actual movements in interest rates may produce different impacts on the value of liabilities, net of changes in the value of assets supporting liabilities, depending on the extent of the change in interest rates in different geographies and at different durations. An immediate 1% increase in interest rates in Canada could lead to an increase in the value of liabilities, net of changes in the value of assets supporting liabilities, and a decrease in net earnings, but the impact would not be expected to be material.

The following table provides information on the impact to the value of liabilities net of changes in the value of assets supporting liabilities of an immediate parallel 1% increase or 1% decrease in the interest rates as well as a corresponding parallel shift in the ultimate reinvestment rates, as defined in the actuarial standards.

			20	22		2021			
	1% increase		1% decrease 1		1%	increase	1% (	decrease 1	
Change in interest rates									
Increase (decrease) in non-participating insurance and									
investment contract liabilities		\$	(92)	\$	386	\$	(219)	\$	678
Increase (decrease) in net earnings		\$	79	\$	(290)	\$	197	\$	(555)

<sup>1</sup> For the 1% decrease, initial risk-free yields are floored at zero, wherever risk-free yields are not currently negative.

The earnings sensitivities illustrated in this section represent impacts under the Company's accounting policies as at December 31, 2022, including accounting for insurance contracts under IFRS 4 and financial instruments under IAS 39. These sensitivities may change on transition to IFRS 17 and IFRS 9.

#### (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 on lifetime Guaranteed Minimum Withdrawal Benefits have been mitigated through a hedging program using equity futures, currency forwards, and interest rate derivatives.

Some insurance and investment contract liabilities with long-tail cash-flows are supported by publicly traded common stocks and investments in other non-fixed income assets, primarily comprised of investment properties, real estate funds, private stocks, and equity release mortgages. The value of the liabilities may fluctuate with changes in the value of the supporting assets. The liabilities for other products such as segregated fund products with guarantees also fluctuate with equity values.

There may be additional market and liability impacts as a result of changes in the value of publicly traded common stocks and other non-fixed income assets that will cause the liabilities to fluctuate differently than the equity values. This means that there is a greater impact on net earnings from larger falls in equity values, relative to the change in equity values. Falls in equity values beyond those shown in the table below would have a greater impact on net earnings, relative to the change in equity values.

The following table provides information on the expected impacts of an immediate 10% or 20% increase or decrease in the value of publicly traded common stocks on insurance and investment contract liabilities and on the shareholders' net earnings of the Company. The expected impacts take into account the expected changes in the value of assets supporting liabilities and hedge assets.

	2022									202	21		
		)% ease		0% rease		0% crease		0% rease	0% rease	0% rease		0% rease	20% crease
Change in publicly traded common stock values Increase (decrease) in non-participating insurance and investment contract liabilities Increase (decrease) in net earnings	\$	(43) 37	\$	(31) 27	\$	31 (28)	\$	180 (146)	\$ (26) 21	\$ (16) 13	\$	22 (19)	\$ 76 (66)

#### 8. Financial Instruments Risk Management (cont'd)

The following table provides information on the expected impacts of an immediate 5% or 10% increase or decrease in the value of other non-fixed income assets on insurance and investment contract liabilities and on the shareholders' net earnings of the Company. The expected impacts take into account the expected changes in the value of assets supporting liabilities.

	2022								2021							
		0% rease		5% rease		5% crease		0% rease	0% rease		5% rease		5% rease		10% crease	
Change in other non-fixed income asset values Increase (decrease) in non-participating insurance and investment contract liabilities Increase (decrease) in net earnings	\$	(63) 52	\$	(32) 26	\$	90 (70)	\$	302 (236)	\$ (92) 79	\$	(46) 39	\$	38 (30)	\$	144 (112)	

The Canadian Institute of Actuaries Standards of Practice for the valuation of insurance contract liabilities establish limits on the investment return assumptions for publicly traded common stocks and other non-fixed income assets which are generally based on historical returns on market indices. The sensitivities shown in the tables above allow for the impact of changes in these limits following market falls.

The best estimate return assumptions for publicly traded common stocks and other non-fixed income assets are primarily based on long-term historical averages. The following provides information on the expected impacts of a 1% increase or 1% decrease in the best estimate assumptions:

	202	22		2021					
1% increase		1%	decrease	1%	increase	1%	decrease		
\$	(676)	\$	806	\$	(715)	\$	829		
\$	525	\$	(620)	\$	567	\$	(649)		
	1% i	1% increase \$ (676)	\$ (676) \$	1% increase 1% decrease \$ (676) \$ 806	1% increase 1% decrease 1% \$ (676) \$ 806 \$	1% increase     1% decrease       1% increase       \$ (676)       \$ 806       \$ (715)	1% increase         1% decrease         1% increase         1%           \$ (676)         \$ 806         \$ (715)         \$		

The Company sponsors a number of deferred compensation arrangements for employees where payments to participants are deferred and linked to the performance of the common shares of Lifeco. The Company hedges its exposure to the equity risk associated with its PSU Plan through the use of total return swaps.

The earnings sensitivities illustrated in this section represent impacts under the Company's accounting policies as at December 31, 2022, including accounting for insurance contracts under IFRS 4 and financial instruments under IAS 39. These sensitivities may change on transition to IFRS 17 and IFRS 9.

### (d) Enforceable Master Netting Arrangements or Similar Agreements

The Company enters into International Swaps and Derivative Association's (ISDA's) master agreements for transacting over-the-counter derivatives. The Company receives and pledges collateral according to the related ISDA's Credit Support Annexes. The ISDA'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 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.

		2022								
	_		Re	lated amou in the Bala						
	of ins pre	ss amount financial struments esented in e Balance Sheet	ancial ments nted in Offsetting alance counterparty		re	inancial bllateral eceived/ ledged <sup>2</sup>		Net oosure		
Financial instruments – assets										
Derivative financial instruments	\$	2,314	\$	(856)	\$	(1,274)	\$	184		
Total financial instruments – assets	\$	2,314	\$	(856)	\$	(1,274)	\$	184		
Financial instruments – liabilities										
Derivative financial instruments	\$	1,639	\$	(856)	\$	(513)	\$	270		
otal financial instruments – liabilities	\$	1,639	\$	(856)	\$	(513)	\$	270		
			R	Related amou in the Bala						
	of in pro	oss amount i financial struments esented in e Balance Sheet	cour	fsetting nterparty sition <sup>1</sup>	c r	inancial ollateral eceived/ ledged <sup>2</sup>		Net oosure		
Financial instruments – assets										
Derivative financial instruments	\$	967	\$	(527)	\$	(293)	\$	147		
Total financial instruments – assets	\$	967	\$	(527)	\$	(293)	\$	147		
Financial instruments – liabilities										
Derivative financial instruments	\$	1,030	\$	(527)	\$	(279)	\$	224		
Total financial instruments – liabilities	\$	1,030	\$	(527)	\$	(279)	\$	224		

<sup>1</sup> 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.

<sup>2</sup> Financial collateral presented above excludes overcollateralization and, for exchange-traded derivatives, initial margin. At December 31, 2022, total financial collateral, including initial margin and overcollateralization, received on derivative assets was \$1,348 (\$318 at December 31, 2021), and pledged on derivative liabilities was \$754 (\$480 at December 31, 2021).

#### 9. **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, exchangetraded 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 investment funds, 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 through profit or loss are mostly 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, investment properties and equity release mortgages.

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

		2022							
	_	Level 1		Level 2		Level 3		Total	
Assets measured at fair value									
Cash and cash equivalents	\$	7,290	\$	_	\$	_	\$	7,290	
Financial assets at fair value through profit or loss									
Bonds		_		113,651		126		113,777	
Mortgage loans		-		-		3,125		3,125	
Stocks		10,532		76		2,697		13,305	
Total financial assets at fair value through profit or loss		10,532		113,727		5,948		130,207	
Available-for-sale financial assets									
Bonds		_		11,864		_		11,864	
Mortgage loans		-		-		240		240	
Stocks		-		10		196		206	
Total available-for-sale financial assets		_		11,874		436		12,310	
Investment properties		-		-		8,344		8,344	
Funds held by ceding insurers		222		11,629		_		11,851	
Derivatives <sup>1</sup>		13		2,301		-		2,314	
Reinsurance assets		-		73		_		73	
Other assets:									
Trading account assets		309		1,723		940		2,972	
Other <sup>2</sup>		11		180				191	
Total assets measured at fair value	\$	18,377	\$	141,507	\$	15,668	\$	175,552	
Liabilities measured at fair value									
Derivatives <sup>3</sup>	\$	_	\$	1,639	\$	_	\$	1,639	
Investment contract liabilities	7	_	·	13,810		_	·	13,810	
Other liabilities		11		180		_		191	
Total liabilities measured at fair value	\$	11	\$	15,629	\$	_	\$	15,640	

<sup>1</sup> Excludes collateral received from counterparties of \$1,348.

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

<sup>2</sup> Includes collateral received under securities lending arrangements.

<sup>3</sup> Excludes collateral pledged to counterparties of \$532.

	2021									
	_	Level 1		Level 2	Level 3			Total		
Assets measured at fair value										
Cash and cash equivalents	\$	6,075	\$	_	\$	_	\$	6,075		
Financial assets at fair value through profit or loss										
Bonds		_		103,713		100		103,813		
Mortgage loans		-		-		2,609		2,609		
Stocks		11,577		12		1,680		13,269		
Total financial assets at fair value through profit or loss		11,577		103,725		4,389		119,691		
Available-for-sale financial assets										
Bonds		_		12,123		_		12,123		
Stocks		4		1		204		209		
Total available-for-sale financial assets	_	4		12,124		204		12,332		
Investment properties		_		_		7,763		7,763		
Funds held by ceding insurers		336		14,663		-		14,999		
Derivatives <sup>1</sup>		1		966		-		967		
Reinsurance assets		-		106		-		106		
Other assets:										
Trading account assets		307		833		531		1,671		
Other <sup>2</sup>	_	76		93		_		169		
Total assets measured at fair value	\$	18,376	\$	132,510	\$	12,887	\$	163,773		
Liabilities measured at fair value										
Derivatives <sup>3</sup>	\$	3	\$	1,027	\$	_	\$	1,030		
Investment contract liabilities		_		12,455		_		12,455		
Other liabilities		76		93		_		169		
Total liabilities measured at fair value	\$	79	\$	13,575	\$	_	\$	13,654		

<sup>1</sup> Excludes collateral received from counterparties of \$317.

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

 $<sup>{\</sup>bf 2}\quad {\bf Includes\ collateral\ received\ under\ securities\ lending\ arrangements}.$ 

<sup>3</sup> Excludes collateral pledged to counterparties of \$370.

### Notes to Consolidated Financial Statements

#### 9. Fair Value Measurement (cont'd)

The following presents additional information about assets and liabilities measured at fair value on a recurring basis which the Company classifies as Level 3 in the fair value hierarchy:

	2022															
	th	r value rough ofit or s bonds	tl m	ir value hrough profit or loss ortgage loans	t	iir value hrough profit or loss tocks <sup>3</sup>	fo mo	ailable- or-sale ortgage oans	fo	ilable- r-sale ocks		estment operties	ac	ading count ssets	Le	otal evel 3 ssets
Balance, beginning of year	\$	100	\$	2,609	\$	1,680	\$	-	\$	204	\$	7,763	\$	531	\$	12,887
Total gains (losses)																
Included in net earnings		(5)		(654)		209		_		27		(41)		(125)		(589)
Included in other comprehensive income <sup>1</sup>		-		(70)		20		10		(36)		(42)		30		(88)
Purchases		51		_		888		_		29		710		710		2,388
Issues		-		1,401		_		230		-		-		-		1,631
Sales		(20)		_		(100)		_		(28)		(55)		(168)		(371)
Settlements		-		(161)		_		_		-		-		-		(161)
Other		-		_		_		_		-		9		_		9
Transfers into Level 3 <sup>2</sup>		-		_		_		_		-		_		12		12
Transfers out of Level 3 <sup>2</sup>		-		_		_		_		-		-		(50)		(50)
Balance, end of year	\$	126	\$	3,125	\$	2,697	\$	240	\$	196	\$	8,344	\$	940	\$	15,668
Total gains (losses) for the year included in net																
investment income	\$	(5)	\$	(654)	\$	209	\$	_	\$	27	\$	(41)	\$	(125)	\$	(589)
Change in unrealized gains (losses) for the year included																
in earnings for assets held at December 31, 2022	\$	(5)	\$	(652)	\$	209	\$	_	\$	-	\$	(34)	\$	(126)	\$	(608)

<sup>1</sup> Amount of other comprehensive income for fair value through profit or loss bonds, mortgage loans and investment properties represents the unrealized gains (losses) on foreign exchange.

<sup>2</sup> Transfers into Level 3 are due primarily to decreased observability of inputs in valuation methodologies or the placement of redemption restrictions on investments in mutual and segregated funds. 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.

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

							2	2021					
	th pr	r value rough ofit or s bonds	pro	air value through ofit or loss nortgage loans	t p	air value hrough profit or s stocks <sup>4</sup>	fc	ailable- or-sale tocks	vestment roperties	ac	ading count ssets	L	Total Level 3 assets
Balance, beginning of year	\$	73	\$	2,020	\$	1,374	\$	16	\$ 6,270	\$	58	\$	9,811
Total gains (losses)													
Included in net earnings		4		(121)		164		7	615		16		685
Included in other comprehensive income 1,2		(5)		(21)		-		117	(52)		-		39
Purchases		28		-		798		31	970		597		2,424
Issues		-		896		-		-	-		-		896
Sales		-		-		(199)		(7)	(40)		(140)		(386)
Settlements		-		(165)		-		-	-		-		(165)
Transfers into Level 3 <sup>2,3</sup>		-		-		-		40	-		-		40
Transfers out of Level 3 3,5		_		_		(457)		-	_		-		(457)
Balance, end of year	\$	100	\$	2,609	\$	1,680	\$	204	\$ 7,763	\$	531	\$	12,887
Total gains (losses) for the year included in net investment income	\$	4	\$	(121)	\$	164	\$	7	\$ 615	\$	16	\$	685
Change in unrealized gains (losses) for the year													
included in earnings for assets held at December 31, 2021	\$	4	\$	(115)	\$	161	\$	-	\$ 621	\$	16	\$	687

<sup>1</sup> Amount of other comprehensive income for fair value through profit or loss bonds, mortgage loans and investment properties represents the unrealized gains (losses) on foreign exchange.

<sup>2</sup> During 2021, certain stocks previously classified as available-for-sale, at cost were remeasured at a fair value of \$147, are now classified as available-for-sale, and have been transferred into Level 3 as reliable measure of fair value was identified during the period. The carrying value of \$40 was transferred into Level 3 and the difference between the carrying value and fair value of \$107 was  $recognized \ as \ an unrealized \ gain \ on \ available-for-sale \ assets \ with \ an income \ tax \ expense \ of \$15$  in the Consolidated Statements of Comprehensive Income.

<sup>3</sup> Transfers into Level 3 are due primarily to decreased observability of inputs in valuation methodologies or the placement of redemption restrictions on investments in mutual and segregated funds. 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.

<sup>4</sup> Includes investments in mutual and segregated funds where there are redemption restrictions. The fair value is based on observable, quoted prices.

<sup>5</sup> On January 11, 2021, Canada Life lifted the temporary suspension on contributions to and transfers into its Canadian real estate investment funds, and on April 19, 2021, the temporary suspension on redemptions and transfers out was fully lifted, as confidence over the valuation of the underlying properties returned as a result of increased market activity. As a result of the lifting of these temporary than the confidence over the valuation of the underlying properties returned as a result of increased market activity. As a result of the lifting of these temporary than the confidence over the valuation of the underlying properties returned as a result of increased market activity. As a result of the lifting of these temporary than the confidence over the valuation of the underlying properties returned as a result of the underlyingsuspensions, the Company's investment in these funds with a fair value of \$457 was transferred on April 19, 2021 from Level 3 to Level 1.

## Notes to Consolidated Financial Statements

### 9. Fair Value Measurement (cont'd)

The following sets out information about significant unobservable inputs used at year-end in measuring assets 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	Discount rate	Range of 3.9% — 14.0%	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.
	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	Reversionary rate	Range of 4.0% — 7.5%	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.
	assumptions, rental rates, capital and operating expenditures) and discount, reversionary and overall capitalization rates applicable to the asset based on current market rates.	Vacancy rate	Weighted average of 2.5%	A decrease in the expected vacancy rate would generally result in an increase in the expected vacancy rate would generally result in a decrease in fair value.
Mortgage loans – equity release mortgages (fair value through profit or loss and available- for-sale)	The valuation approach for equity release mortgages is to use an internal valuation model to determine the projected asset cash flows, including the stochastically calculated cost of the no negative equity guarantee for each individual loan, to aggregate these across all loans and to discount those cash flows back to the valuation date. The projection is done monthly until expected redemption of the loan either voluntarily or on the death/entering into long term care of the loanholders.	Discount rate	Range of 4.3% — 6.9%	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.
Stocks	The determination of the fair value of stocks requires the use of estimates such as future cash flows, discount rates, projected earnings multiples, or recent transactions.	Discount rate	Various	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.

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

					2	.022				
	Le	evel 1	ı	_evel 2	Le	vel 3	liabi helo	er assets/ lities not d at fair value		Total
Assets disclosed at fair value										
Loans and receivables financial assets										
Bonds	\$	_	\$	30,379	\$	69	\$	-	\$	30,448
Mortgage loans		-		33,209		-		-		33,209
Loans to policyholders		-		8,820		-		_		8,820
Total loans and receivables financial assets		_		72,408		69		_		72,477
Available-for-sale financial assets										
Stocks <sup>1</sup>		_		-		-		119		119
Other stocks <sup>2</sup>		347		-		-		263		610
Funds held by ceding insurers		-		-		-		129		129
Total assets disclosed at fair value	\$	347	\$	72,408	\$	69	\$	511	\$	73,335
Liabilities and equity disclosed at fair value										
Debentures and other debt instruments	\$	877	\$	8,485	\$	_	\$	_	\$	9,362
Limited recourse capital notes	J	-	ų	1,125	J	_	y	_	y	1,125
·	<u> </u>									
Total liabilities and equity disclosed at fair value	\$	877	\$	9,610	\$	_	\$	_	\$	10,487

 $<sup>1\</sup>quad \text{Fair value of certain stocks available for sale cannot be reliably measured, therefore, these investments are recorded at cost.}$ 

<sup>2</sup> Other stocks include the Company's investment in IGM.

				2	021			
	Le	evel 1	Level 2	Le	vel 3	liabil held	r assets/ lities not d at fair value	Total
Assets disclosed at fair value								
Loans and receivables financial assets								
Bonds	\$	_	\$ 26,668	\$	49	\$	_	\$ 26,717
Mortgage loans		_	27,049		_		-	27,049
Loans to policyholders		_	8,319		_		-	8,319
Total loans and receivables financial assets		_	62,036		49		_	62,085
Available-for-sale financial assets								
Stocks <sup>1</sup>		-	-		_		124	124
Other stocks <sup>2</sup>		418	_		_		215	633
Funds held by ceding insurers		_	-		_		126	126
Total assets disclosed at fair value	\$	418	\$ 62,036	\$	49	\$	465	\$ 62,968
Liabilities disclosed at fair value								
Debentures and other debt instruments	\$	186	\$ 9,569	\$	-	\$	-	\$ 9,755
Limited recourse capital notes		_	1,475		_		-	1,475
Total liabilities disclosed at fair value	\$	186	\$ 11,044	\$	-	\$	-	\$ 11,230

 $<sup>1 \</sup>quad \text{Fair value of certain stocks available for sale cannot be reliably measured, therefore, these investments are recorded at cost.} \\$ 

# 10. Goodwill and Intangible Assets

### (a) Goodwill

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

	2022		2021
Cost			
Balance, beginning of year	\$ 10,258	\$	11,283
Business acquisitions and dispositions	1,281		46
Purchase price allocation adjustments	31		161
Allocated to intangible assets	(55)		(1,181)
Changes in foreign exchange rates	338		(51)
Balance, end of year	\$ 11,853	\$	10,258
Accumulated impairment			
Balance, beginning of year	\$ (1,177)	\$	(1,177)
Changes in foreign exchange rates	(72)		
Balance, end of year	\$ (1,249)	\$	(1,177)
Net carrying amount	\$ 10,604	\$	9,081

 $<sup>{\</sup>small 2}\>\>\>\> Other stocks include the Company's investment in IGM.$ 

#### 10. Goodwill and Intangible Assets (cont'd)

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 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:

	2022	2021
Canada		
Group Customer	\$ 1,482	\$ 1,479
Individual Customer	2,560	2,549
Europe	2,355	2,379
United States		
Financial Services	4,207	2,674
Total	\$ 10,604	\$ 9,081

### (b) Intangible Assets

Intangible assets of \$6,209 (\$5,514 as at December 31, 2021) include indefinite life and finite life intangible assets. The carrying value and changes in the carrying value of these intangible assets are as follows:

2022

Indefinite life intangible assets:

	2022									
	Brands and trademarks c		Customer contract related		eholders' rtion of red future icipating unt profit		Total			
Cost										
Balance, beginning of year	\$ 1,048	\$	2,542	\$	354	\$	3,944			
Changes in foreign exchange rates	31		136		_		167			
Balance, end of year	\$ 1,079	\$	2,678	\$	354	\$	4,111			
Accumulated impairment										
Balance, beginning of year	\$ (130)	\$	(1,028)	\$	-	\$	(1,158)			
Changes in foreign exchange rates	(7)		(64)		-		(71)			
Balance, end of year	\$ (137)	\$	(1,092)	\$	-	\$	(1,229)			
Net carrying amount	\$ 942	\$	1,586	\$	354	\$	2,882			
	2021									
	ands and		ustomer ract related	po acqui part	eholders' rtion of red future icipating unt profit		Total			
Cost										
Balance, beginning of year	\$ 1,063	\$	2,542	\$	354	\$	3,959			
Changes in foreign exchange rates	 (15)				-		(15)			
Balance, end of year	\$ 1,048	\$	2,542	\$	354	\$	3,944			
Accumulated impairment										
Balance, beginning of year	\$ (133)	\$	(1,028)	\$	-	\$	(1,161)			
Changes in foreign exchange rates	 3		-		-		3			
Balance, end of year	\$ (130)	\$	(1,028)	\$	_	\$	(1,158)			
Net carrying amount	\$ 918	\$	1,514	\$	354	\$	2,786			

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

	2022		2021
Canada			
Group Customer	\$	354	\$ 354
Individual Customer		649	649
Europe		218	221
United States			
Asset Management		1,566	1,473
Financial Services		95	89
Total	\$	2,882	\$ 2,786

### (iii) Finite life intangible assets:

	2022									
	c	ustomer ontract related		ibution innels		:hnology/ oftware		Total		
Amortization period range	7 -	30 years	3	0 years	3 -	10 years				
Amortization method	Stra	Straight-line		ht-line	Stra	ight-line				
Cost										
Balance, beginning of year	\$	2,494	\$	107	\$	2,488	\$	5,089		
Additions		522		-		352		874		
Changes in foreign exchange rates		140		(2)		76		214		
Disposals		-		_		(30)		(30)		
Balance, end of year	\$	3,156	\$	105	\$	2,886	\$	6,147		
Accumulated amortization and impairment										
Balance, beginning of year	\$	(821)	\$	(66)	\$	(1,474)	\$	(2,361)		
Changes in foreign exchange rates		(32)		2		(58)		(88)		
Disposals		-		_		2		2		
Amortization		(160)		(4)		(209)		(373)		
Balance, end of year	\$	(1,013)	\$	(68)	\$	(1,739)	\$	(2,820)		
Net carrying amount	\$	2,143	\$	37	\$	1,147	\$	3,327		

During 2022, the Company recognized an impairment of \$25 on software assets in the United Kingdom which is presented within operating and administrative expenses in the Consolidated Statements of Earnings.

#### 10. Goodwill and Intangible Assets (cont'd)

				20	)21		
	C	ustomer ontract related		ribution annels		chnology/ Software	Total
Amortization period range	7 -	30 years	3	0 years	3 - 10 years		
Amortization method	Stra	ight-line	Straig	ght-line	Straight-line		
Cost							
Balance, beginning of year	\$	1,248	\$	111	\$	2,185	\$ 3,544
Additions		1,261		-		340	1,601
Changes in foreign exchange rates		(15)		(4)		(21)	(40)
Disposals		_		_		(16)	(16)
Balance, end of year	\$	2,494	\$	107	\$	2,488	\$ 5,089
Accumulated amortization and impairment							
Balance, beginning of year	\$	(688)	\$	(65)	\$	(1,304)	\$ (2,057)
Changes in foreign exchange rates		4		3		11	18
Disposals		_		_		14	14
Amortization		(137)		(4)		(195)	(336)
Balance, end of year	\$	(821)	\$	(66)	\$	(1,474)	\$ (2,361)
Net carrying amount	\$	1,673	\$	41	\$	1,014	\$ 2,728

The weighted average remaining amortization period of the customer contract related and distribution channels are 15 and 11 years respectively (15 and 12 years respectively at December 31, 2021).

### (c) Recoverable Amount

For the purposes of annual impairment testing, the Company allocates intangible assets to cash generating units and goodwill to cash generating unit groupings. Any potential impairment of indefinite life intangible assets is identified by comparing the recoverable amount of a cash generating unit to its carrying value. Any potential impairment of goodwill is identified by comparing the recoverable amount of a cash generating unit grouping to its carrying value.

Fair value is initially assessed with reference to valuation multiples of comparable publicly-traded financial institutions and precedent business acquisition transactions. The calculations utilize earnings and cash flow projections based on financial budgets approved by management. 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 2022, the Company conducted its annual impairment testing of intangible assets and goodwill based on September 30, 2022 asset balances. It was determined that the recoverable amounts of cash generating units for intangible assets and cash generating unit groupings for goodwill 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 units or cash generating unit groupings is unlikely to cause carrying values to exceed recoverable amounts.

# 11. Owner Occupied Properties and Fixed Assets

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

	2022		;	2021
Carrying value, beginning of year	\$	882	\$	871
Less: accumulated depreciation/impairments		(146)		(130)
Net carrying value, beginning of year		736		741
Additions		14		21
Disposals		_		(1)
Impairments		(18)		_
Depreciation		(19)		(16)
Foreign exchange		11		(9)
Net carrying value, end of year	\$	724	\$	736

The net carrying value of fixed assets is \$399 at December 31, 2022 (\$422 at December 31, 2021).

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

	2022		2021
Canada	\$	601	\$ 652
United States		334	317
Europe		187	188
Capital and Risk Solutions		1	1
Total	\$	1,123	\$ 1,158

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

### 12. Other Assets

		2021
Deferred acquisition costs	\$ 663	\$ 615
Right-of-use assets	371	389
Trading account assets <sup>1</sup>	2,972	1,671
Finance leases receivable	536	433
Defined benefit pension plan assets (note 23)	463	363
Prepaid expenses	134	123
Miscellaneous other assets	1,659	928
Total	\$ 6,798	\$ 4,522

 $<sup>1\</sup>quad Includes \ bonds \ of \$2,647 \ and \ stocks \ of \$325 \ at \ December \ 31,2022 \ (bonds \ of \$1,322 \ and \ stocks \ of \$349 \ at \ December \ 31,2021).$ 

Total other assets of \$4,799 (\$2,752 at December 31, 2021) 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		2022	2021	
Balance, beginning of year	\$	615	\$	618
Additions		121		113
Amortization		(58)		(55)
Changes in foreign exchange rates		8		(34)
Disposals		(23)		(27)
Balance, end of year	\$	663	\$	615

## Notes to Consolidated Financial Statements

### 12. Other Assets (cont'd)

		2022							
Right-of-use assets	Pro	perty	Equipment		•	Total			
Cost, beginning of year	\$	578	\$	12	\$	590			
Additions		40		2		42			
Modifications		(8)		(1)		(9)			
Changes in foreign exchange rates		16		-		16			
Cost, end of year	\$	626	\$	13	\$	639			
Accumulated depreciation, beginning of year	\$	(194)	\$	(7)	\$	(201)			
Depreciation		(66)		(3)		(69)			
Modifications		6		1		7			
Changes in foreign exchange rates		(5)		-		(5)			
Accumulated depreciation, end of year	\$	(259)	\$	(9)	\$	(268)			
Carrying amount, end of year	\$	367	\$	4	\$	371			

		2021							
	Pi	operty	Equi	ipment		Total			
Cost, beginning of year	\$	568	\$	8	\$	576			
Additions		21		5		26			
Modifications		(10)		(1)		(11)			
Changes in foreign exchange rates		(1)		_		(1)			
Cost, end of year	\$	578	\$	12	\$	590			
Accumulated depreciation, beginning of year	\$	(134)	\$	(5)	\$	(139)			
Depreciation		(66)		(2)		(68)			
Modifications		7		_		7			
Changes in foreign exchange rates		(1)		-		(1)			
Accumulated depreciation, end of year	\$	(194)	\$	(7)	\$	(201)			
Carrying amount, end of year	\$	384	\$	5	\$	389			

### 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 nine finance leases on properties in Europe. These properties have been leased for terms ranging between 27 and 40 years.

The terms to maturity of the lease payments receivable are as follows:

	2022		2021
One year or less	\$	34	\$ 30
Over one year to two years		36	31
Over two years to three years		37	32
Over three years to four years		37	33
Over four years to five years		37	33
Over five years		879	717
Total undiscounted lease payments		1,060	876
Less: unearned finance lease income		524	443
Total finance leases receivable	\$	536	\$ 433
Finance income on the net investment in the leases	\$	28	\$ 27

## 13. Insurance and Investment Contract Liabilities

### (a) Insurance and investment contract liabilities

	2022						
	Gross liability	Re	einsurance assets		Net		
Insurance contract liabilities	\$ 233,888	\$	24,945	\$	208,943		
Investment contract liabilities	13,810		73		13,737		
Total	\$ 247,698	\$	25,018	\$	222,680		
			2021				
	Gross liability	R	einsurance assets		Net		
Insurance contract liabilities	\$ 208,378	\$	21,032	\$	187,346		
Investment contract liabilities	12,455		106		12,349		
Total	\$ 220,833	\$	21,138	\$	199,695		

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

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

	2022						
	Gross liability		insurance assets		Net		
Participating							
Canada	\$ 49,871	\$	(226)	\$	50,097		
United States	10,649		4,003		6,646		
Europe	128		-		128		
Capital and Risk Solutions	761		-		761		
Non-Participating							
Canada	32,056		274		31,782		
United States	105,000		16,193		88,807		
Europe	37,415		4,688		32,727		
Capital and Risk Solutions	11,818		86		11,732		
Total	\$ 247,698	\$	25,018	\$	222,680		
			2021				
	 Gross liability	Reinsurance assets			Net		
Participating							
Canada	\$ 50,049	\$	(115)	\$	50,164		
United States	10,694		13		10,681		
Europe	141		-		141		
Capital and Risk Solutions	886		-		886		
Non-Participating							
Canada	34,780		207		34,573		
United States	63,938		14,708		49,230		
Europe	47,215		6,197		41,018		
Capital and Risk Solutions	13,130		128		13,002		
Total	\$ 220,833	\$	21,138	\$	199,695		

#### 13. Insurance and Investment Contract Liabilities (cont'd)

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

				20	)22			
	Bonds	IV	lortgage loans	Stocks		restment operties	Other	Total
Carrying value								
Participating liabilities								
Canada	\$ 20,382	\$	11,710	\$ 8,043	\$	4,519	\$ 5,217	\$ 49,871
United States	4,472		597	137		-	5,443	10,649
Europe	54		-	46		8	20	128
Capital and Risk Solutions	554		6	_		-	201	761
Non-participating liabilities								
Canada	21,731		4,287	2,764		715	2,559	32,056
United States	58,238		12,616	817		-	33,329	105,000
Europe	24,270		6,105	388		2,345	4,307	37,415
Capital and Risk Solutions	5,374		224	_		-	6,220	11,818
Other	13,653		3,076	1,229		327	403,154	421,439
Total equity	10,859		908	844		430	19,277	32,318
Total carrying value	\$ 159,587	\$	39,529	\$ 14,268	\$	8,344	\$ 479,727	\$ 701,455
Fair value	\$ 156,089	\$	36,574	\$ 14,240	\$	8,344	\$ 479,727	\$ 694,974

				20	)21			
		N	Лortgage		Inv	vestment		
	Bonds		loans	Stocks	pr	operties	Other	Total
Carrying value								
Participating liabilities								
Canada	\$ 21,370	\$	11,166	\$ 8,522	\$	4,013	\$ 4,978	\$ 50,049
United States	4,876		607	76		-	5,135	10,694
Europe	66		_	67		8	-	141
Capital and Risk Solutions	666		8	_		_	212	886
Non-participating liabilities								
Canada	23,620		4,661	3,116		579	2,804	34,780
United States	32,302		4,641	211		_	26,784	63,938
Europe	33,208		5,891	391		2,743	4,982	47,215
Capital and Risk Solutions	6,394		80	_		_	6,656	13,130
Other	7,257		1,202	873		157	369,683	379,172
Total equity	10,853		596	927		263	17,844	30,483
Total carrying value	\$ 140,612	\$	28,852	\$ 14,183	\$	7,763	\$ 439,078	\$ 630,488
Fair value	\$ 142,653	\$	29,658	\$ 14,235	\$	7,763	\$ 439,078	\$ 633,387

Cash flows of assets supporting insurance and investment contract liabilities are matched within reasonable limits. Changes in the fair values of these assets are largely 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:

		2022		
		Participating		
	Gross liability	Reinsurance assets	Net	
Balance, beginning of year	\$ 61,770	\$ (102)	\$ 61,872	
Impact of new business	(60)	(4)	(56)	
Normal change in force	(571)	11	(582)	
Management action and changes in assumptions	(415)	(138)	(277)	
Business movement from/to external parties	_	4,038	(4,038)	
Impact of foreign exchange rate changes	685	(28)	713	
Balance, end of year	\$ 61,409	\$ 3,777	\$ 57,632	
		Non-participating		
	Gross liability	Reinsurance assets	Net	Total Net
Balance, beginning of year	\$ 146,608	\$ 21,134	\$ 125,474	\$ 187,346
Impact of new business	5,881	(374)	6,255	6,199
Normal change in force	(28,141)	(5,733)	(22,408)	(22,990)
Management action and changes in assumptions	264	433	(169)	(446)
Business movement from/to external parties	(29)	5,084	(5,113)	(9,151)
Prudential acquisition (note 3)	43,550	_	43,550	43,550
Impact of foreign exchange rate changes	4,346	624	3,722	4,435
Balance, end of year	\$ 172,479	\$ 21,168	\$ 151,311	\$ 208,943
		2021		
		Participating		
	Gross	Reinsurance		
	liability	assets	Net	
Balance, beginning of year	\$ 58,264	\$ (186)	\$ 58,450	
Impact of new business	(78)	-	(78)	
Normal change in force	3,819	27	3,792	
Management action and changes in assumptions	(223)	57	(280)	
Impact of foreign exchange rate changes	(12)	_	(12)	
Balance, end of year	\$ 61,770	\$ (102)	\$ 61,872	
		Non-participating		
	Gross	Reinsurance		
	liability	assets	Net	Total Net
Balance, beginning of year	\$ 150,638	\$ 22,177	\$ 128,461	\$ 186,911
Impact of new business	10,559	84	10,475	10,397
Normal change in force	(12,920)	(1,472)	(11,448)	(7,656)
Management action and changes in assumptions	(673)	(540)	(133)	(413)
Business movement from/to external parties	(613)	(37)	(576)	(576)
Ark Life acquisition (note 3)	1,257	1,238	19	19
Impact of foreign exchange rate changes	(1,640)	(316)	(1,324)	(1,336)
Balance, end of year	\$ 146,608	\$ 21,134	\$ 125,474	\$ 187,346

#### 13. Insurance and Investment Contract Liabilities (cont'd)

Under IFRS 4, 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.

In 2022, the major contributor to the increase in net insurance contract liabilities was the Prudential acquisition of \$43,550. This was partially offset by decreases due to normal change in the in force business of \$22,990, primarily due to fair value adjustments due to increased interest rates. Business movement from/to external parties includes a new reinsurance arrangement (note 3).

Net non-participating insurance contract liabilities decreased by \$169 in 2022 due to management actions and changes in assumptions including a \$127 decrease in Capital & Risk Solutions and \$147 decrease in Europe, partially offset by an increase of \$105 in Canada.

The decrease in Capital & Risk Solutions was primarily due to updated longevity assumptions of \$194, partially offset by increases due to updated mortality assumptions of \$55 and updated expense and tax assumptions of \$24.

The decrease in Europe was primarily due to updated longevity assumptions of \$128.

The increase in Canada was primarily due to updated policyholder behaviour assumptions of \$311. This was partially offset by decreases due to updated mortality assumptions of \$76, modeling refinements of \$58, and a decrease of \$55 due to a change in the corporate tax rate.

There was no change in the U.S. due to management actions or changes in assumptions.

Net participating insurance contract liabilities decreased by \$277 in 2022 due to management actions and changes in assumptions.

Effective October 15, 2021, the Canadian Actuarial Standards Board published revised standards for the valuation of insurance contract liabilities. The revised standards include decreases to ultimate reinvestment rates, revised calibration criteria for stochastic risk-free interest rates and an increase to the maximum net credit spread on reinvestment over the long term.

In 2021, the major contributor to the increase in net insurance contract liabilities was the impact of new business of \$10,397. This was partially offset by decreases due to normal change in the in force business of \$7,656 and foreign exchange rate changes of \$1,336.

Net non-participating insurance contract liabilities decreased by \$133 due to management actions and changes in assumptions including a \$219 decrease in Europe and \$7 decrease in the U.S., partially offset by increases of \$75 in Canada and \$18 in Capital and Risk Solutions.

The decrease in Europe was primarily due to updated economic and asset related assumptions of \$165, updated longevity assumptions of \$29, and updated policyholder behaviour assumptions of \$22.

The decrease in the U.S. was primarily due to updated economic assumptions, which includes the net impact of the new standards, of \$5.

The increase in Canada was primarily due to updated policyholder behaviour assumptions of \$172, mortality updates of \$44, and updated morbidity assumptions of \$37. This was partially offset by decreases due to updated economic and asset related assumptions, which includes the net impact of the new standards, of \$146, and modeling refinements of \$29.

The increase in Capital and Risk Solutions was primarily due to updated expense assumptions of \$11, and updated life mortality and longevity assumptions of \$6.

Net participating insurance contract liabilities decreased by \$280 in 2021 due to management actions and changes in assumptions.

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

		2	.022			2021	
	Gross liability		surance ssets	Net	Gross liability	nsurance assets	Net
Balance, beginning of year	\$ 12,455	\$	106	\$ 12,349	\$ 9,145	\$ 130	\$ 9,015
Normal change in force business	2,433		38	2,395	3,497	38	3,459
Investment experience	(2,523)		(76)	(2,447)	(242)	(62)	(180)
Management action and changes in assumptions	1		-	1	-	-	-
Prudential acquisition (note 3)	690		-	690	-	-	-
Ark Life acquisition (note 3)	-		-	-	43	-	43
Impact of foreign exchange rate changes	754		5	749	12	_	12
Balance, end of year	\$ 13,810	\$	73	\$ 13,737	\$ 12,455	\$ 106	\$ 12,349

The carrying value of investment contract liabilities approximates their fair value. The impact to investment experience in 2022 was due to fair value adjustments related to increased interest rates.

### (e) Gross premiums written and gross policyholder benefits

(i)	Premium Income		
		2022	2021
	Direct premiums	\$ 30,016	\$ 26,219
	Assumed reinsurance premiums	34,702	31,178
	Total	\$ 64,718	\$ 57,397
(ii)	Policyholder Benefits		
		2022	2021
	Direct	\$ 24,628	\$ 20,903
	Assumed reinsurance	34,208	28,452
	Total	\$ 58,836	\$ 49,355

### (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. Improvement scales for life insurance and annuitant mortality are updated periodically based on population and industry studies, product specific considerations, as well as professional guidance. In addition, appropriate provisions have been made for future mortality deterioration on term insurance.

Annuitant mortality is also studied regularly and the results are used to modify established annuitant mortality tables.

13. Insurance and Investment Contract Liabilities (cont'd)

#### 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 entities within the Capital and Risk Solutions operating segment are determined using accepted actuarial practices for property and casualty insurers in Canada. The insurance contract liabilities are based on cession statements provided by ceding companies. 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. Capital and Risk Solutions 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 8(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. 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's most significant exposures are 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 Capital and Risk Solutions. 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 on shareholders' earnings is reflected in the changes in best estimate assumptions above.

### (g) Risk Management

#### 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 in net	•	,
		2022		2021
Mortality – 2% increase	\$	(247)	\$	(276)
Annuitant mortality – 2% decrease	\$	(522)	\$	(722)
Morbidity – 5% adverse change	\$	(253)	\$	(262)
Investment returns				
Parallel shift in yield curve				
1% increase	\$ \$	_	\$	_
1% decrease	\$	_	\$	_
Change in interest rates				
1% increase	\$	79	\$	197
1% decrease	\$	(290)	\$	(555)
Change in publicly traded common stock values				
20% increase	\$	37	\$	21
10% increase	\$	27	\$	13
10% decrease	\$	(28)	\$	(19)
20% decrease	\$	(146)	\$	(66)
Change in other non-fixed income asset values				
10% increase	\$	52	\$	79
5% increase	\$	26	\$	39
5% decrease	\$	(70)	\$	(30)
10% decrease	\$	(236)	\$	(112)
Change in best estimate return assumptions for equities				
1% increase	\$	525	\$	567
1% decrease	\$	(620)	\$	(649)
Expenses – 5% increase	\$	(193)	\$	(207)
Policy termination and renewal – 10% adverse change	\$	(945)	\$	(1,002)

The earnings sensitivities illustrated in the table above represent impacts under the Company's accounting policies as at December 31, 2022, including accounting for insurance contracts under IFRS 4 and financial instruments under IAS 39. These sensitivities may change on transition to IFRS 17 and IFRS 9.

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.

		2022				2021	
	Gross iability	insurance assets	Net	Gross liability	Re	insurance assets	Net
Canada	\$ 81,927	\$ 48	\$ 81,879	\$ 84,829	\$	92	\$ 84,737
United States	115,649	20,196	95,453	74,632		14,721	59,911
Europe	37,543	4,688	32,855	47,356		6,197	41,159
Capital and Risk Solutions	12,579	86	12,493	14,016		128	13,888
Total	\$ 247,698	\$ 25,018	\$ 222,680	\$ 220,833	\$	21,138	\$ 199,695

#### 13. Insurance and Investment Contract Liabilities (cont'd)

#### (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.

### 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 \$6,388 at December 31, 2022 (\$3,125 at December 31, 2021).

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.

#### **Segregated Funds Guarantee Exposure**

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 consolidated 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 Canada Life. These products provide guaranteed minimum death benefits (GMDB) and guaranteed minimum accumulation on maturity benefits.

In the U.S., the Company has a mix of open and closed blocks of group variable annuities with guaranteed minimum withdrawal benefits (GMWB) and a closed block of group standalone GMDB products which mainly provide return of premium on death. A block of GMWB policies was acquired from Prudential on April 1, 2022.

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

The Company also offers a GMWB product in the U.S., and Germany, and previously offered GMWB product in Canada and Ireland. Certain GMWB products offered by the Company offer levels of death and maturity guarantees. At December 31, 2022, the amount of GMWB product in-force in Canada, the U.S., Ireland and Germany was \$7,033 (\$3,316 at December 31, 2021).

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

	2022	2021
Cash and cash equivalents	\$ 14,562	\$ 12,500
Bonds	69,371	60,647
Mortgage loans	2,159	2,377
Stocks and units in unit trusts	117,878	134,568
Mutual funds	168,459	133,916
Investment properties	13,035	12,776
	385,464	356,784
Accrued income	692	442
Other liabilities	(4,647)	(2,932)
Non-controlling mutual funds interest	6,388	3,125
Total <sup>1</sup>	\$ 387,897	\$ 357,419

<sup>1</sup> At December 31, 2022, \$66,283 of investments on account of segregated fund policyholders are reinsured by the Company on a modified coinsurance basis (\$83,754 at December 31, 2021). Included in this amount are \$157 of cash and cash equivalents, \$12,437 of bonds, \$15 of stocks and units in unit trusts, \$53,778 of mutual funds, \$103 of accrued income and \$(207) of other liabilities.

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

	2022	2021
Balance, beginning of year	\$ 357,419	\$ 334,032
Additions (deductions):		
Policyholder deposits	40,618	29,657
Net investment income	8,019	9,442
Net realized capital gains on investments	1,082	15,799
Net unrealized capital gains (losses) on investments	(62,823)	11,473
Unrealized gains (losses) due to changes in foreign exchange rates	9,487	(7,109)
Policyholder withdrawals	(46,859)	(40,324)
Business acquisitions 1	77,700	2,844
Change in Segregated Fund investment in General Fund	64	(30)
Change in General Fund investment in Segregated Fund	(14)	(22)
Net transfer (to) from General Fund	(59)	22
Non-controlling mutual funds interest	3,263	1,635
Total	30,478	23,387
Balance, end of year	\$ 387,897	\$ 357,419

<sup>1</sup> Investment and insurance contracts on account of segregated fund policyholders acquired through the Prudential acquisition in 2022 and the acquisition of Ark Life in 2021 (note 3).

### (c) Investment income on account of segregated fund policyholders

	2022	2021
Net investment income	\$ 8,019	\$ 9,442
Net realized capital gains on investments	1,082	15,799
Net unrealized capital gains (losses) on investments	(62,823)	11,473
Unrealized gains (losses) due to changes in foreign exchange rates	9,487	(7,109)
Total	(44,235)	29,605
Change in investment and insurance contracts liability on account of segregated fund policyholders	(44,235)	29,605
Net	\$ _	\$ _

#### 14. Segregated Funds and Other Structured Entities (cont'd)

### (d) Investments on account of segregated fund policyholders by fair value hierarchy level (note 9)

			2022	
	Level 1	Level 2	Level 3	Total
Investments on account of segregated fund policyholders 1	\$ 270,90	7 \$ 106,720	\$ 14,455	\$ 392,082
1 Excludes other liabilities, net of other assets, of \$4,185.			2021	
	Level 1	Level 2	Level 3	Total
Investments on account of segregated fund policyholders <sup>1</sup>	\$ 249,54	3 \$ 96,575	\$ 13,822	\$ 359,940

Excludes other liabilities, net of other assets, of \$2,521.

During 2022, certain foreign stock holdings valued at \$2,301 have been transferred from Level 2 to Level 1 (\$2,137 were transferred from Level 2 to Level 1 at December 31, 2021) primarily based on the Company's change in use of inputs in addition to quoted prices in active markets for certain foreign stock holdings at year end. Level 2 assets include those assets where fair value is not available from normal market pricing sources, where inputs are utilized in addition to quoted prices in active markets and where the Company does not have access to the underlying asset details within an investment fund.

As at December 31, 2022, \$3,928 (\$5,394 at December 31, 2021) of the segregated funds were invested in funds managed by related parties IG Wealth Management and Mackenzie Investments, members of the Power Corporation group of companies (note 25).

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:

	2022	2021
Balance, beginning of year	\$ 13,822	\$ 13,556
Total gains (losses) included in segregated fund investment income	(310)	415
Purchases <sup>1</sup>	1,011	333
Sales	(366)	(482)
Transfers into Level 3	343	5
Transfers out of Level 3	(45)	(5)
Balance, end of year	\$ 14,455	\$ 13,822

<sup>1</sup> Includes \$236 of Level 3 assets acquired through the Prudential acquisition (note 3).

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, openended 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 sub-advised by related parties of the Company, who are paid sub-advisory fees at normal market rates for their services.

The Company earns management fees related to managing the segregated fund products. 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 2022, fee and other income earned by the Company resulting from the Company's interests in segregated funds and other structured entities was \$6,332 (\$6,194 during 2021).

Included within other assets (note 12) at December 31, 2022 is \$2,777 (\$1,525 at December 31, 2021) of investments by the Company in bonds and stocks of Putnam and Empower sponsored funds and \$195 (\$146 at December 31, 2021) of investments in stocks of sponsored unit trusts in Europe.

### 15. Debentures and Other Debt Instruments

		2022	2	021
	Carrying value	Fair value	Carrying value	Fair value
Short-term				
Commercial paper and other short-term debt instruments with interest rates				
4.628% (0.172% to 0.203% at December 31, 2021), unsecured	\$ 135	\$ 135	\$ 122	\$ 122
Revolving credit facility with interest equal to LIBOR plus 0.70%				
(U.S. \$50; U.S. \$50 at December 31, 2021), unsecured	67	67	64	64
Non-revolving credit facility with interest based on Adjusted Term SOFR				
(U.S. \$500; U.S. \$0 at December 31, 2021), unsecured	675	675	_	-
Total short-term	877	877	186	186
Capital:				
Long-term				
Lifeco				
6.74% Debentures due November 24, 2031, unsecured	196	223	195	270
6.67% Debentures due March 21, 2033, unsecured	395	447	394	549
5.998% Debentures due November 16, 2039, unsecured	343	372	342	478
4.70% Senior bonds due November 16, 2029, unsecured, (€500)	721	744	_	_
3.337% Debentures due February 28, 2028, unsecured	498	467	498	533
2.981% Debentures due July 8, 2050, unsecured	494	342	493	479
2.50% Senior bonds due April 18, 2023, unsecured, (€500) ¹	725	724	720	743
2.379% Debentures due May 14, 2030, unsecured	597	507	597	602
1.75% Senior bonds due December 7, 2026, unsecured, (€500) ¹	722	665	717	768
	4,691	4,491	3,956	4,422
Canada Life				
6.40% Subordinated debentures due December 11, 2028, unsecured	100	108	100	125
Canada Life Capital Trust (CLCT)				
7.529% due June 30, 2052, unsecured, face value \$150	157	177	157	215
Great-West Lifeco Finance 2018, LP				
4.581% Senior notes due May 17, 2048, unsecured, (U.S. \$500)	669	555	629	820
4.047% Senior notes due May 17, 2028, unsecured, (U.S. \$300)	403	380	379	431
	1,072	935	1,008	1,251
Great-West Lifeco Finance (Delaware) LP			•	,
4.15% Senior notes due June 3, 2047, unsecured, (U.S. \$700)	930	729	874	1,057
Great-West Lifeco U.S. Finance 2020, LP				,
0.904% Senior notes due August 12, 2025, unsecured, (U.S. \$500)	672	600	632	617
Empower Finance 2020, LP				
3.075% Senior notes due September 17, 2051, unsecured, (U.S. \$700)	935	588	879	899
1.776% Senior notes due March 17, 2031, unsecured, (U.S. \$400)	537	406	506	490
1.357% Senior notes due September 17, 2027, unsecured, (U.S. \$400)	538	451	506	493
	2,010	1,445	1,891	1,882
Total long-term	9,632	8,485	8,618	9,569
Total	\$ 10,509	\$ 9,362	\$ 8,804	\$ 9.755
iotai	¥ 10,509	\$ 5,302	⇒ 0,004	<i>\$</i> 3,733

<sup>1</sup> Designated as hedges of the net investment in foreign operations.

On March 30, 2022, Great-West Lifeco U.S. LLC, a subsidiary of the Company, established a 2-year U.S. \$500 non-revolving credit facility with interest on the drawn balance equal to a floating rate based on Adjusted Term SOFR. The facility is fully and unconditionally guaranteed by the Company. On April 1, 2022, the U.S. \$500 facility was fully drawn, along with U.S. \$323 from an existing revolving credit facility, to finance a portion of the Prudential acquisition (note 3). The existing revolving credit facility incurs interest on the drawn balance equal to a floating rate based on Adjusted Term SOFR. On July 1, 2022, Great-West Lifeco U.S. LLC made a payment of U.S. \$150 on its existing revolving credit facility, followed by a final payment of U.S. \$173 on December 30, 2022. As at December 31, 2022, the \$675 (U.S. \$500) facility was fully drawn, along with nil from the existing revolving credit facility.

On November 16, 2022, the Company issued €500 aggregate principal amount 4.70% senior bonds at par, maturing on November 16, 2029, which had a carrying value of \$721 at December 31, 2022. The bonds are admitted to the Official List of Euronext Dublin and are listed for trading on the Global Exchange Market of Euronext Dublin.

15. Debentures and Other Debt Instruments (cont'd)

### **Capital Trust Securities**

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 in the Consolidated Statements of Earnings (note 16). The fair value for capital trust securities is determined by the bid-ask price. Refer to note 8 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.

# 16. Financing Charges

Financing charges consist of the following:				
	2	.022	2	021
Operating charges:				
Interest on operating lines and short-term debt instruments	\$	24	\$	7
Financial charges:				
Interest on long-term debentures and other debt instruments		280		275
Interest on limited recourse capital notes		54		20
Interest on capital trust securities		11		11
Other		29		15
		374		321
Total	\$	398	\$	328

### 17. Other Liabilities

	2022	2021
Pension and other post-employment benefits (note 23)	\$ 563	\$ 989
Lease liabilities	507	522
Bank overdraft	274	407
Deferred income reserves	293	314
Other	7,157	3,831
Total	\$ 8,794	\$ 6,063

## Notes to Consolidated Financial Statements

Total other liabilities of \$6,636 (\$4,238 at December 31, 2021) are expected to be realized within 12 months from the reporting date. This amount excludes deferred income reserves, the changes in which are noted below.

Deferred income reserves	2	2022	2	2021
Balance, beginning of year	\$	314	\$	345
Additions		63		70
Amortization		(63)		(71)
Changes in foreign exchange		(7)		(14)
Disposals		(14)		(16)
Balance, end of year	\$	293	\$	314

			20	122		
Lease liabilities	Pr	Property		ment	Total	
Balance, beginning of year	\$	517	\$	5	\$	522
Additions		40		2		42
Modifications		(2)		-		(2)
Lease payments		(86)		(3)		(89)
Changes in foreign exchange rates		15		-		15
Interest		19		_		19
Balance, end of year	\$	503	\$	4	\$	507

			20	021	
	Pro	operty	Equip	oment	Total
Balance, beginning of year	\$	565	\$	3	\$ 568
Additions		21		5	26
Modifications		(2)		-	(2)
Lease payments		(86)		(3)	(89)
Changes in foreign exchange rates		(2)		-	(2)
Interest		21		_	21
Balance, end of year	\$	517	\$	5	\$ 522

The following table presents the contractual undiscounted cash flows for lease obligations:

	2	2022	2	021
One year or less	\$	79	\$	83
Over one year to two years		72		71
Over two years to three years		62		63
Over three years to four years		56		55
Over four years to five years		55		52
Over five years		310		340
Total undiscounted lease obligations	\$	634	\$	664

## 18. Non-Controlling Interests

The Company has a controlling equity interest in Canada Life, Empower, and Putnam at December 31, 2022 and December 31, 2021.

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 also include non-controlling interests for the issued and outstanding shares of Putnam and PanAgora held by employees of the respective companies, and non-controlling interests through Irish Life's controlling interest in Invesco Ltd. (Ireland) as well as through a Canada Life subsidiary's controlling interest in certain Canadian advisor businesses.

### (a) The non-controlling interests recorded in the Consolidated Statements of Earnings and other comprehensive income are as follows:

	2022		2021
Net earnings attributable to participating account before policyholder dividends			
Canada Life	\$ 1,80	9	\$ 1,708
Empower		-	_
	1,80	9	1,708
Policyholder dividends			
Canada Life	(1,62	5)	(1,405)
Empower	(	2)	(1)
	(1,62	7)	(1,406)
Net earnings – participating account	18	2	302
Non-controlling interests in subsidiaries		3	(1)
Total	\$ 18	5	\$ 301

The non-controlling interests recorded in other comprehensive income (loss) for the year ended December 31, 2022 was \$(157) (\$(28) for the year ended December 31, 2021).

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

	2022	2021
Participating account surplus in subsidiaries:		
Canada Life	\$ 3,147	\$ 3,126
Empower	9	12
Total	\$ 3,156	\$ 3,138
Non-controlling interests in subsidiaries	\$ 152	\$ 129

### 19. Share Capital

### (a) Limited Recourse Capital Notes

				20.	22		2021				
	Earliest	Interest	C	arrying		Fair	C	Carrying		Fair	
Limited recourse capital notes	redemption date	rate	value valu		value \		alue value value		value		value
Series 1	November 30, 2026	3.60%	\$	1,500	\$	1,125	\$	1,500	\$	1,475	

 $On\ August\ 16,2021, the\ Company\ issued\ \$1,500\ aggregate\ principal\ amount\ 3.60\%\ Limited\ Recourse\ Capital\ Notes\ Series\ 1\ (Subordinated\ Company\ Series\ 1)$ Indebtedness) at par, maturing on December 31, 2081 (LRCN Series 1). The LRCN Series 1 bear interest at a fixed rate of 3.60% per annum payable semi-annually, up to but excluding December 31, 2026. On December 31, 2026 and every five years thereafter until December 31, 2076, the interest rate on the LRCN Series 1 will be reset at an interest rate equal to the five-year Government of Canada Yield, plus 2.641%. Commencing November 30, 2026, the Company will have the option to redeem the LRCN Series 1 every five years during the period from November 30 to December 31, in whole or in part at par, together in each case with accrued and unpaid interest.

Non-payment of interest or principal when due on the LRCN Series 1 will result in a recourse event, with the noteholders' sole remedy being receipt of their proportionate share of Non-Cumulative 5-Year Rate Reset First Preferred Shares, Series U (Series U Preferred Shares) held in a newly formed consolidated trust (Limited Recourse Trust). All claims of the holders of LRCN Series 1 against the Company will be extinguished upon receipt of the corresponding trust assets. The Series U Preferred Shares are eliminated on the Company's Consolidated Balance Sheets while being held within the Limited Recourse Trust.

### (b) Preferred Shares

Authorized

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

**Unlimited Common Shares** 

Issued and outstanding and fully paid

	20	22		20	)21	
			arrying			Carrying
	Number	١	/alue	Number		value
First Preferred Shares						
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, 1.749% Non-Cumulative Rate Reset	10,000,000		250	10,000,000		250
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
Series T, 5.15% Non-Cumulative	8,000,000		200	8,000,000		200
Series Y, 4.50% Non-Cumulative	8,000,000		200	8,000,000		200
Total	108,800,000	\$	2,720	108,800,000	\$	2,720
Common shares						
Balance, beginning of year	930,620,338	\$	5,748	927,853,106	\$	5,651
Exercised and issued under stock option plan	1,232,772		43	2,767,232		97
Balance, end of year	931,853,110	\$	5,791	930,620,338	\$	5,748

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 up 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 up 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 with all declared and unpaid dividends up to but excluding the date of redemption.

2021

#### 19. Share Capital (cont'd)

The Series L, 5.65% 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 up 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, together with all declared and unpaid dividends up to but excluding the date of redemption.

The Series N, Non-Cumulative 5-Year Rate Reset First Preferred Shares carry an annual fixed non-cumulative dividend rate of 1.749% up to but excluding December 31, 2025 and are redeemable at the option of the Company on December 31, 2025 and on December 31 every five years thereafter for \$25.00 per share plus all declared and unpaid dividends up 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 N share conditions, each Series N share is convertible into one Series O, Non-Cumulative Floating Rate First Preferred Share at the option of the holders on December 31, 2025 and on December 31 every five years thereafter.

The Series P, 5.40% 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 up to but excluding the date of redemption.

The Series Q, 5.15% 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 up to but excluding the date of redemption.

The Series R, 4.80% 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 up to but excluding the date of redemption.

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

The Series T, 5.15% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after June 30, 2022 for \$25.00 per share plus a premium if redeemed prior to June 30, 2026, together with all declared and unpaid dividends up to but excluding the date of redemption.

The Series Y, 4.50% Non-Cumulative First Preferred Shares are redeemable at the option of the Company on or after December 31, 2026 for \$25.00 per share plus a premium if redeemed prior to December 31, 2030, together with all declared and unpaid dividends up to but excluding the date of redemption.

### **Common Shares**

#### **Normal Course Issuer Bid**

The Company renewed its normal course issuer bid (NCIB) effective January 27, 2022 for one year to purchase and cancel up to 20,000,000 of its common shares at market prices in order to mitigate the dilutive effect of stock options granted under the Company's Stock Option Plan and for other capital management purposes. During the year ended December 31, 2022, the Company did not purchase any common shares under the NCIB (nil for the year ended December 31, 2021, under the previous NCIB).

### **Subsequent Event**

On January 25, 2023, the Company announced a new NCIB commencing January 27, 2023 and terminating January 26, 2024 to purchase for cancellation up to but not more than 20,000,000 of its common shares at market prices.

# 20. Earnings Per Common Share

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

		2022		2021				
Earnings								
Net earnings	\$	3,349	\$	3,262				
Preferred share dividends		(130)		(134)				
Net earnings – common shareholders	\$	3,219	\$	3,128				
Number of common shares								
Average number of common shares outstanding	9	931,682,589		9,461,348				
Add: Potential exercise of outstanding stock options		598,494		598,494		598,494		1,496,586
Average number of common shares outstanding – diluted basis	932,281,083		93	0,957,934				
Basic earnings per common share	\$	3.455	\$	3.365				
Diluted earnings per common share	\$	3.452	\$	3.360				
Dividends per common share	\$	1.960	\$	1.804				

## 21. 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 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.

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 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.

### (b) Regulatory Capital

In Canada, OSFI has established a regulatory capital adequacy measurement for life insurance companies incorporated under the Insurance Companies Act (Canada) and their subsidiaries.

The Life Insurance Capital Adequacy Test (LICAT) Ratio compares the regulatory capital resources of a company to its required capital, defined by OSFI, as the aggregate of all defined capital requirements. The total capital resources are provided by the sum of Available Capital, Surplus Allowance and Eligible Deposits.

The following provides a summary of the LICAT information and ratios for Canada Life:

	2022	2021
Tier 1 Capital	\$ 13,201	\$ 12,584
Tier 2 Capital	4,644	4,417
Total Available Capital	17,845	17,001
Surplus Allowance & Eligible Deposits	10,531	13,225
Total Capital Resources	\$ 28,376	\$ 30,226
Required Capital	\$ 23,582	\$ 24,323
Total LICAT Ratio (OSFI Supervisory Target = 100%) <sup>1</sup>	120%	124%

<sup>1</sup> Total Ratio (%) = (Total Capital Resources / Required Capital)

For entities based in Europe, the local solvency capital regime is the Solvency II basis. At December 31, 2022 and December 31, 2021, all European regulated entities met the capital and solvency requirements as prescribed under Solvency II.

Empower is subject to the risk-based capital regulatory regime in the U.S. 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, 2022 and December 31, 2021, the Company maintained capital levels above the minimum local regulatory requirements in each of its foreign operations.

## 22. Share-Based Payments

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 Human Resources 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 granted prior to January 1, 2019 vest over a period of five years. Options granted on or after January 1, 2019 vest 50% three years after the grant date and 50% four years after the grant date. Options have a maximum exercise period of ten years from the grant date. Termination of employment may, in certain circumstances, result in forfeiture of the options, unless otherwise determined by the Committee. In 2022, the maximum number of Lifeco common shares issuable under the Plan was 72,500,000.

During 2022, 2,369,100 common share options were granted (2,638,300 during 2021). The weighted average fair value of common share options granted during 2022 was \$3.57 per option (\$2.60 in 2021). 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 2022: dividend yield 5.07% (5.43% in 2021), expected volatility 18.15% (18.47% in 2021), risk-free interest rate 1.60% (1.18% in 2021), and expected life of eight years (eight in 2021).

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

	202		2021				
	Options	a	eighted verage cise price	Options		Weighted average exercise price	
Outstanding, beginning of year	16,123,727	\$	32.92	16,399,279	\$	32.69	
Granted	2,369,100		38.68	2,638,300		32.28	
Exercised	(1,232,772)		31.24	(2,767,232)		30.90	
Forfeited/expired	(166,440)		34.41	(146,620)		33.39	
Outstanding, end of year	17,093,615	\$	33.82	16,123,727	\$	32.92	
Options exercisable at end of year	8,950,405	\$	33.73	8,522,967	\$	33.78	

The weighted average share price at the date of exercise of stock options for the year ended December 31, 2022 was \$39.35 (\$36.11 in 2021). Compensation expense due to the Plan transactions accounted for as equity-settled share-based payments of \$6 after-tax in 2022 (\$5 aftertax in 2021) 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, 2022:

Exercise price ranges	Outstanding			Exercis		
	Options	Weighted average remaining contractual life	Weighted average exercise price	Options	Weighted average exercise price	Expiry
\$27.13 - \$36.87	777,980	0.30	30.15	777,980	30.15	2023
\$30.28 - \$36.87	1,166,380	1.32	32.53	1,166,380	32.53	2024
\$34.68 - \$36.87	1,453,683	2.19	35.67	1,453,683	35.67	2025
\$30.28 - \$36.87	1,888,352	3.19	34.50	1,888,352	34.50	2026
\$30.28 - \$36.87	1,255,300	4.19	36.41	1,255,300	36.41	2027
\$30.28 - \$34.21	1,551,020	5.16	34.19	1,237,010	34.20	2028
\$30.28 - \$32.50	2,345,500	6.16	30.33	1,171,700	30.33	2029
\$32.22 - \$32.22	1,782,800	7.16	32.22	_	-	2030
\$32.10 - \$38.75	2,503,500	8.16	32.28	_	_	2031
\$31.59 - \$38.71	2,369,100	9.16	38.68	-	_	2032

(b) To promote greater alignment of interests between the Directors and Lifeco's shareholders, the Company and certain of its subsidiaries have mandatory DSU Plans and/or voluntary DSU Plans (the "Mandatory DSU Plans" and the "Voluntary 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 must receive 50% of their 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 their annual Board retainer and Board Committee 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 Lifeco common share on the Toronto Stock Exchange (TSX) for the last five trading days of the preceding fiscal quarter. Directors receive additional DSUs for dividends payable on the Company's common shares based on the value of a DSU at the dividend payment date. DSUs are redeemable when an individual ceases to be a Director, or as applicable, an officer or employee of the Company or any of its affiliates by a lump sum cash payment, based on the weighted average trading price per Lifeco common share on the TSX for the last five trading days preceding the date of redemption. In 2022, \$6 in Directors' fees were used to acquire DSUs (\$6 in 2021). At December 31, 2022, the carrying value of the DSU liability is \$66 (\$69 in 2021) recorded within other liabilities.

Certain employees of the Company are entitled to receive DSUs. Under these DSU Plans, certain employees may elect to receive DSUs as settlement of their annual incentive plan or as settlement of PSUs issued under the Company's PSU Plan. In both cases these employees are granted DSUs equivalent to the Company's common shares. Employees receive additional DSUs in respect of dividends payable on the common shares based on the value of the DSUs at the time. DSUs are redeemable when an individual ceases to be an officer or employee of the Company or any of its affiliates, by a lump sum cash payment representing the value of the DSUs at that date. The Company uses the fair-value based method to account for the DSUs granted to employees under the plans. For the year ended December 31, 2022, the Company recognized compensation expense of \$2 (\$16 in 2021) for the DSU Plans recorded in operating and administrative expenses in the Consolidated Statements of Earnings. At December 31, 2022, the carrying value of the DSU liability is \$40 (\$40 in 2021) recorded within other liabilities in the Consolidated Balance Sheets.

- Certain employees of the Company are entitled to receive PSUs. Under the PSU Plan, 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 PSUs granted to employees under the plan. For the year ended December 31, 2022, the Company recognized compensation expense, excluding the impact of hedging, of \$74 (\$102 in 2021) for the PSU Plan recorded in operating and administrative expenses in the Consolidated Statements of Earnings. At December 31, 2022, the carrying value of the PSU liability is \$131 (\$156 in 2021) 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 Lifeco. 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, 2022, the Company recognized compensation expense of \$13 (\$13 in 2021) for the ESOP recorded in operating and administrative expenses in the Consolidated Statements of Earnings.
- 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 16,764,705.
  - During 2022, Putnam granted 3,519,634 (2,824,156 in 2021) restricted Class B common shares to certain members of senior management and key employees.
  - Compensation expense recorded for the year ended December 31, 2022 related to restricted Class B common shares and Class B stock options earned was \$49 (\$41 in 2021) and is recorded in operating and administrative expenses in the Consolidated Statements of Earnings.
- 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.

Compensation expense recorded for the year ended December 31, 2022 related to restricted Class C Shares and stock appreciation rights was \$13 in 2022 (\$13 in 2021) and is included as a component of operating and administrative expenses in the Consolidated Statements of Earnings.

## 23. 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 eligible employees and advisors. The Company's subsidiaries also maintain defined contribution pension plans for eligible employees and advisors.

The defined benefit pension plans provide pensions based on length of service and final average pay; however, these plans are closed to new entrants. Many of the defined benefit pension plans also no longer provide future defined benefit accruals. The Company's defined benefit plan exposure is expected to reduce in future years. Where defined benefit pension accruals continue, 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. Assets supporting the funded pension plans are held in separate trusteed pension funds. Obligations for the wholly unfunded plans are included in other liabilities and are supported by general assets.

New hires and active plan participants in defined benefit plans closed to future defined benefit accruals are eligible for defined contribution pension benefits. The defined contribution pension plans provide pension benefits based on accumulated employee and employer contributions. Employer 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. The benefit plans are monitored on an ongoing basis to assess the benefit, funding and investment policies, financial status, and funding requirements. Significant changes to a subsidiary company's benefit plans require approval from that company's Board of Directors.

The funding policies of the Company's subsidiaries for the funded pension plans require annual 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, from the payment of expenses from the plan 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 contributory and non-contributory defined benefit plans of the Company's subsidiaries:

## (a) Plan Assets, Benefit Obligation and Funded Status

	Def	ined benefit	pensio	n plans	Othe	r post-emplo	yment	benefits
		2022		2021		2022		2021
Change in fair value of plan assets								
Fair value of plan assets, beginning of year	\$	7,743	\$	7,602	\$	-	\$	_
Interest income		193		159		_		_
Actual return over (less than) interest income		(1,420)		498		-		_
Employer contributions		109		115		18		19
Employee contributions		21		18		_		_
Benefits paid		(324)		(306)		(18)		(19)
Settlements		(10)		(142)		_		_
Administrative expenses		(8)		(8)		_		_
Foreign exchange rate changes		(13)		(193)		_		_
Fair value of plan assets, end of year	\$	6,291	\$	7,743	\$	-	\$	_
Change in defined benefit obligation								
Defined benefit obligation, beginning of year	\$	7,961	\$	8,554	\$	367	\$	409
Current service cost		72		91		3		3
Interest cost		197		181		11		10
Employee contributions		21		18		_		_
Benefits paid		(324)		(306)		(18)		(19)
Curtailments and termination benefits		(2)		(1)		_		_
Settlements		(10)		(200)		_		_
Actuarial loss (gain) on financial assumption changes		(2,074)		(150)		(60)		(25)
Actuarial loss (gain) on demographic assumption changes		(1)		(16)		(33)		(10)
Actuarial loss (gain) arising from member experience		8		(16)		(16)		(1)
Foreign exchange rate changes		(23)		(194)		2		-
Defined benefit obligation, end of year	\$	5,825	\$	7,961	\$	256	\$	367
Asset (liability) recognized on the Consolidated Balance Sheets								
Funded status of plans – surplus (deficit)	\$	466	\$	(218)	\$	(256)	\$	(367)
Unrecognized amount due to asset ceiling		(310)	·	(41)	·	_		_
Asset (liability) recognized on the Consolidated Balance Sheets	\$	156	\$	(259)	\$	(256)	\$	(367)
Recorded in:								
Other assets (note 12)	\$	463	\$	363	\$	_	\$	_
Other liabilities (note 17)	_	(307)	<b>.</b>	(622)		(256)		(367)
Asset (liability) recognized on the Consolidated Balance Sheets	\$	156	\$	(259)	\$	(256)	\$	(367)
Analysis of defined benefit obligation								
Wholly or partly funded plans	\$	5,586	\$	7,646	\$	_	\$	-
Wholly unfunded plans	\$	239	\$	315	\$	256	\$	367

#### 23. Pension Plans and Other Post-Employment Benefits (cont'd)

Under 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, from the payment of expenses from the plan, or surplus 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:

	Def	fined bene	fit pensio	n plans
	7	2022	2	021
Change in asset ceiling				
Asset ceiling, beginning of year	\$	41	\$	29
Interest on asset ceiling		1		1
Change in asset ceiling		251		11
Foreign exchange rate changes		17		_
Asset ceiling, end of year	\$	310	\$	41

### (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 pensi	on plans		Other	post-emplo	yment b	enefits
	2022			2021	2022		2	021
Defined benefit current service cost	\$	93	\$	109	\$	3	\$	3
Defined contribution current service cost		184		184		_		_
Employee contributions		(21)		(18)		-		_
Employer current service cost		256		275		3		3
Administrative expense		8		8		_		_
Curtailments		(2)		(1)		_		_
Settlements		_		(58)		_		_
Net interest cost		5		23	11			10
Expense – profit or loss		267		247		14		13
Actuarial (gain) loss recognized		(2,067)		(182)		(109)		(36)
Return on assets (greater) less than assumed		1,420		(498)		-		_
Change in the asset ceiling		251		11		_		
Re-measurements – other comprehensive (income) loss		(396)		(669)		(109)		(36)
Total expense (income) including re-measurements	\$	(129)	\$	(422)	\$	(95)	\$	(23)

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

	Defined benefit per 2022 36% 52% 8% 4% 100%	t pension plans
	2022	2021
Equity securities	36%	39%
Debt securities	52%	51%
Real estate	8%	7%
Cash and cash equivalents	4%	3%
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 \$5,614 at December 31, 2022 and \$6,980 at December 31, 2021, of which \$5,520 (\$6,902 at December 31, 2021) are included on 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

Portion of Defined Benefit Obligation Subject to Future Salary Increases

	De	fined benefi	t pensio	Other post-employment benefits					
	2022			2021		2022		2021	
Benefit obligation without future salary increases	\$	5,393	\$	7,361	\$	256	\$	367	
Effect of assumed future salary increases		432		600		-		-	
Defined benefit obligation	\$	5,825	\$	7,961	\$	256	\$	367	

The other post-employment benefits are not subject to future salary increases.

Portion of Defined Benefit Obligation Without Future Pension Increases (ii)

	Defined benefit pension plans					Other post-employment benef					
	2022			2021	2	2022	2021				
Benefit obligation without future pension increases	\$	5,151	\$	7,137	\$	256	\$	367			
Effect of assumed future pension increases		674	824					-			
Defined benefit obligation	\$	5,825	\$	7,961	\$	256	\$	367			

The other post-employment benefits are not subject to future pension increases.

(iii) Maturity Profile of Plan Membership

	Defined benefit	pension plans	Other post-employment ber			
	2022	2021	2022	2021		
Actives	37%	41%	14%	15%		
Deferred vesteds	16%	18%	n/a	n/a		
Retirees	47%	41%	86%	85%		
Total	100%	100%	100%	100%		
Weighted average duration of defined benefit obligation	14.5 years	17.6 years	9.9 years	11.8 years		

## (e) Cash Flow Information

	nsion lans	emplo	r post- oyment efits	Total		
Expected employer contributions for 2023:						
Funded (wholly or partly) defined benefit plans	\$ 62	\$	-	\$	62	
Unfunded plans	25		19		44	
Defined contribution plans	209		_		209	
Total	\$ 296	\$	19	\$	315	

#### 23. Pension Plans and Other Post-Employment Benefits (cont'd)

## **Actuarial Assumptions and Sensitivities**

#### (i) **Actuarial Assumptions**

	Defined benefi	t pension plans	Other post-emplo	oyment benefits		
	2022	2021	2022	2021		
To determine benefit cost:						
Discount rate – past service liabilities	2.6%	2.2%	3.1%	2.5%		
Discount rate – future service liabilities	3.3%	2.8%	3.0%	2.6%		
Rate of compensation increase	3.1%	3.0%	_	_		
Future pension increases <sup>1</sup>	1.7%	1.2%	-	-		
To determine defined benefit obligation:						
Discount rate – past service liabilities	5.0%	2.6%	5.3%	3.1%		
Rate of compensation increase	3.8%	3.1%	_	_		
Future pension increases <sup>1</sup>	2.3%	1.7%	-	-		
Medical cost trend rates:						
Initial medical cost trend rate			4.8%	4.7%		
Ultimate medical cost trend rate			4.1%	4.1%		
Year ultimate trend rate is reached			2039	2039		

<sup>1</sup> 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 be			
	2022	2021	2022	2021		
Sample life expectancies based on mortality assumption:						
Male						
Age 65 in fiscal year	22.8	22.6	22.8	22.5		
Age 65 for those age 35 in the fiscal year	24.6	24.5	24.2	24.0		
Female						
Age 65 in fiscal year	24.8	24.7	25.1	24.9		
Age 65 for those age 35 in the fiscal year	26.7	26.6	26.5	26.2		

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 \$164 for the defined benefit pension plans and \$5 for other post-employment benefits.

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

		1% in						
	2022			2021		2022		2021
Defined benefit pension plans:								
Impact of a change to the discount rate	\$	(733)	\$	(1,199)	\$	926	\$	1,568
Impact of a change to the rate of compensation increase		173		299		(156)		(269)
Impact of a change to the rate of inflation		340		578		(299)		(507)
Other post-employment benefits:								
Impact of a change to assumed medical cost trend rates		14		24		(12)		(21)
Impact of a change to the discount rate		(22)		(36)		25		44

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

## 24. Accumulated Other Comprehensive Income

										2022																			
	foreign gains (losse exchange on hedge: gains (losses) of the net on translation investmen of foreign in foreign		foreign gains (losses) exchange on hedges gains (losses) of the net on translation investment of foreign in foreign			foreign gains (losses) exchange on hedges gains (losses) of the net Unre on translation investment gains of foreign in foreign on ava			foreign gains (losses) Re-measurements on defined Revaluation gains (losses) of the net Unrealized Unrealized benefit pension surplus on on translation investment gains (losses) gains (losses) and other postofforeign in foreign on available- on cash flow employment investment				olus on sfer to stment	1	<b>Total</b>	ontrollin <u>o</u> terest	•	eholders											
Balance, beginning of year	\$	948	\$	(30)	\$	145	\$	33	\$	(463)	\$	10	\$	643	\$ (11)	\$	632												
Other comprehensive																													
income (loss)		497		88		(942)		(45)		505		-		103	219		322												
Income tax		-		28		179		12		(130)		-		89	(62)		27												
		497		116		(763)		(33)		375		-		192	157		349												
Balance, end of year	\$	1,445	\$	86	\$	(618)	\$	-	\$	(88)	\$	10	\$	835	\$ 146	\$	981												
										2021																			
	Unrealized foreign exchange gains (losses) on translation of foreign operations		foreign exchange gains (losses) on translation of foreign		foreign exchange gains (losses) on translation of foreign		foreign exchange gains (losses) on translation of foreign		foreign exchange gains (losses) on translation of foreign		foreign exchange gains (losses) on translation of foreign		foreign exchange gains (losses) on translation of foreign		gair on of inv in	realized ns (losses) hedges the net restment foreign erations	gai on	nrealized ns (losses) available- sale assets	gains on ca	ealized s (losses) ash flow edges	on benef and o emp	asurements defined fit pension other post- ployment efit plans	surp tran inve	luation olus on isfer to stment perties	1	Total	controlling iterest		eholders
Balance, beginning of year	\$	1,339	\$	(135)	\$	266	\$	24	\$	(978)	\$	10	\$	526	\$ (39)	\$	487												
Other comprehensive income (loss)		(391)		117		(159)		12		705		_		284	40		324												
Income tax		_		(12)		38		(3)		(190)		_		(167)	(12)		(179)												
	_	(391)		105		(121)		9		515		-		117	28		145												
Balance, end of year	\$	948	\$	(30)	\$	145	\$	33	\$	(463)	\$	10	\$	643	\$ (11)	\$	632												

## 25. Related Party Transactions

Power Corporation, 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 Corporation group of companies including IGM, a company in the financial services sector along with its subsidiaries IG Wealth Management, Mackenzie Financial and Investment Planning Council, and Groupe Bruxelles Lambert, a holding company based in Europe with substantial holdings in global industrial and services companies.

## (a) Principal subsidiaries

The consolidated financial statements of the Company include the operations of the following subsidiaries and their subsidiaries:

Company	Incorporated in	Primary business operation	% Held
The Canada Life Assurance Company	Canada	Insurance and wealth management	100.00%
Empower Annuity Insurance Company of America	United States	Financial services	100.00%
Putnam Investments, LLC	United States	Asset management	100.00% 1

<sup>1</sup> Lifeco holds 100% of the voting shares and 96.39% of the total outstanding shares.

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

In the normal course of business, Canada 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 Corporation group of companies. In all cases, transactions were at market terms and conditions.

During the year, Canada Life provided to and received from IGM and its subsidiaries, a member of the Power Corporation group of companies, certain administrative and information technology services. During 2021, Canada Life and IGM executed a termination agreement covering the transition of shared information technology services from Canada Life to alternate providers over a number of years. Canada Life also provided life insurance, annuity and disability insurance products under a distribution agreement with IGM. In addition, Canada Life provided distribution services to IGM. All transactions were provided at market terms and conditions.

#### 25. Related Party Transactions (cont'd)

The Company owns 9,200,448 shares, held through Canada Life, representing a 3.87% ownership interest in IGM. The Company uses the equity method to account for its investment in IGM as it exercises significant influence. In 2022, the Company recognized \$30 for the equity method share of IGM net earnings and received dividends of \$21 from its investment in IGM (note 6).

Segregated funds of the Company were invested in funds managed by IG Wealth Management and Mackenzie Investments. Mackenzie Investments also manages certain of the Company's portfolio investments. The Company also has interests in mutual funds, open-ended investment companies and unit trusts. Some of these funds are sub-advised by related parties of the Company, who are paid sub-advisory fees related to these services. During 2022, the Company and its subsidiaries made additional investments in funds managed by related parties. All transactions were provided at market terms and conditions (note 14).

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

	2022				
3.44%, matures January 26, 2027	\$	19	\$	21	
6.65%, matures December 13, 2027		14		16	
7.45%, matures May 9, 2031		11		13	
7.00%, matures December 31, 2032		11		14	
4.56%, matures January 25, 2047		18		24	
4.115%, matures December 9, 2047		8		11	
4.174%, matures July 13, 2048		4		6	
Total	\$	85	\$	105	

Power Corporation also controls Sagard Holdings Management Inc. (Sagard), a multi-strategy alternative asset manager, Power Sustainable, a global multi-platform alternative asset manager, and Portage Ventures (Portage), a global fintech venture capital investment strategy. Lifeco has a minority investment in Sagard. Lifeco and Mackenzie Financial Corporation, a wholly-owned subsidiary of IGM, are investors in Northleaf Capital Partners Ltd. (Northleaf), a global private equity, private credit and infrastructure fund manager. The Company and its subsidiaries invest in funds managed by Sagard, Power Sustainable, Portage and Northleaf.

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. These transactions were provided at market terms and conditions.

There were no material loans or guarantees issued to or from related parties during 2022 or 2021. There were no significant outstanding loans or guarantees with related parties at December 31, 2022 or December 31, 2021. There were no provisions for uncollectible amounts with related parties at December 31, 2022 or December 31, 2021.

#### (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:

	2022	2021
Salary	\$ 20	\$ 19
Share-based awards	19	17
Option-based awards	7	6
Annual non-equity incentive plan compensation	29	24
Pension value	-	(1)
Total	\$ 75	\$ 65

## 26. Income Taxes

## (a) Components of the income tax expense

(i) Income tax recognized in Consolidated Statements of Earnings

Current income tax

	2022	2021		
Total current income tax	\$ 421	\$	148	
Deferred income tax				
	2022		2021	
Origination and reversal of temporary differences	\$ (232)	\$	147	
Effect of changes in tax rates or imposition of new income taxes	24		21	
Tax expense (recovery) arising from unrecognized tax losses, tax credits or temporary differences	21		(12)	
Total deferred income tax	\$ (187)	\$	156	
Total income tax expense	\$ 234	\$	304	
Current income tax expense (recovery)	\$ (157)	\$	(38)	
	\$ (157)	\$	(38)	
Deferred income tax expense (recovery)	68		205	
Total	\$ (89)	\$	167	
Income tax recognized in Consolidated Statements of Changes in Equity				
	2022	:	2021	
Current income tax (recovery)	\$ (1)	\$	(1)	
Deferred income tax (recovery)	7		(6)	
Total	\$ 6	\$	(7)	

## (b) The effective income tax rate reported in the Consolidated Statements of Earnings varies from the combined Canadian federal and provincial income tax rate of 27.50% for the following items:

		2022	2	021
Earnings before income taxes	\$ 3,768		\$ 3,867	
Combined basic Canadian federal and provincial tax rate	1,036	27.50%	1,025	26.50%
Increase (decrease) in the income tax rate resulting from:				
Non-taxable investment income	(228)	(6.05)	(266)	(6.88)
Operations outside of Canada subject to a lower average foreign tax rate	(444)	(11.79)	(374)	(9.66)
Impact of rate changes on deferred income taxes	24	0.64	21	0.54
(Recognition) de-recognition of deferred tax assets associated with prior year tax losses	8	0.21	(15)	(0.39)
Other	(162)	(4.30)	(87)	(2.25)
Total income tax expense and effective income tax rate	\$ 234	6.21%	\$ 304	7.86%
Total income tax expense and effective income tax rate – common shareholders	\$ 209	5.88%	\$ 358	9.89%

<sup>1</sup> A Canadian federal corporate income tax rate change, enacted in 2022 (effective after April 7, 2022), increased the statutory income tax rate from 26.50% to 28.0% (prorated to 27.50%) in 2022).

#### 26. Income Taxes (cont'd)

In December 2021, the Organization for Economic Co-operation and Development (OECD) published model rules outlining a structure for a new global 15% minimum tax regime to be implemented by all participating countries at an agreed future date, currently expected to be 2024. Detailed commentary on the rules was released by the OECD during 2022. At this point, the countries where the Company currently operates have all indicated their participation; however, none have implemented legislation. A number of these countries currently operate at a lower tax rate than the proposed minimum, and when legislation is enacted the Company expects an increase in the effective tax rate. The Company is awaiting the legislation and detailed guidance to assess the full implications in the jurisdictions in which the Company operates.

## (c) Composition and changes in net deferred income tax assets are as follows:

						2022				
	inv	rance and restment ontract abilities	 ortfolio estments	c	Losses carried orward	angible assets	Tax edits	Other	-	<b>Total</b>
Balance, beginning of year	\$	(575)	\$ (644)	\$	1,388	\$ (807)	\$ 324	\$ 282	\$	(32)
Recognized in Statements of Earnings		(1,494)	1,471		144	(58)	(46)	170		187
Recognized in Statements of										
Comprehensive Income		-	51		-	-	_	(119)		(68)
Recognized in Statements of										
Changes in Equity		-	_		(5)	_	_	(2)		(7)
Acquired in business acquisitions		(90)	(4)		_	139	_	34		79
Foreign exchange rate changes and other		(70)	(14)		92	(60)	12	24		(16)
Balance, end of year	\$	(2,229)	\$ 860	\$	1,619	\$ (786)	\$ 290	\$ 389	\$	143
						2021				

					2021					
	inv	rance and estment ontract ibilities	ortfolio estments	Losses carried orward	angible assets	C	Tax redits	(	Other	Total
Balance, beginning of year	\$	(320)	\$ (766)	\$ 1,411	\$ (670)	\$	285	\$	389	\$ 329
Recognized in Statements of Earnings		(236)	116	(19)	(125)		39		69	(156)
Recognized in Statements of										
Comprehensive Income		-	8	-	-		-		(213)	(205)
Recognized in Statements of										
Changes in Equity		-	-	(2)	-		-		8	6
Acquired in business acquisitions		-	(1)	1	(17)		-		(4)	(21)
Foreign exchange rate changes and other	r	(19)	(1)	(3)	5		_		33	15
Balance, end of year	\$	(575)	\$ (644)	\$ 1,388	\$ (807)	\$	324	\$	282	\$ (32)

	2022		2021
Recorded on Consolidated Balance Sheets:			
Deferred tax assets	\$	1,152	\$ 1,057
Deferred tax liabilities		(1,009)	(1,089)
Total	\$	143	\$ (32)

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 assets carrying values based on future years' taxable income projections and believes the carrying values of the deferred income tax assets as of December 31, 2022 are recoverable.

At December 31, 2022, the Company has recognized a deferred tax asset of \$1,619 (\$1,388 at December 31, 2021) on tax loss carryforwards totaling \$7,319, of which \$4,478 expire between 2026 and 2042 while \$2,841 have no expiry date. The Company will realize this benefit in future years through a reduction in current income taxes payable.

One U.S. subsidiary has had a history of losses. The subsidiary has a net deferred income tax asset balance of \$466 (U.S. \$345) as at December 31, 2022, comprised principally of net operating losses. 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 to utilize the unused U.S. losses and deductions.

The Company has not recognized a deferred tax asset of \$109 (\$42 in 2021) on tax loss carryforwards totaling \$550 (\$212 in 2021). Of this amount, \$156 expire between 2023 and 2038 while \$394 have no expiry date. In addition, the Company has not recognized a deferred tax asset of \$11 (\$20 in 2021) on other temporary differences of \$55 (\$94 in 2021) associated with investments in subsidiaries, branches, and associates.

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.

## 27. Operating and Administrative Expenses

	2022	2021
Salaries and other employee benefits	\$ 4,614	\$ 4,191
General and administrative	2,291	1,938
Interest expense on leases	19	21
Depreciation of fixed assets	116	119
Depreciation of right-of-use assets	69	68
Total	\$ 7,109	\$ 6,337

#### 28. 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 enduser of various derivative financial instruments. It is the Company's policy to transact in derivatives only with the most creditworthy financial intermediaries. Note 8 discloses the credit quality of the Company's exposure to counterparties. Credit risk equivalent amounts are presented net of eligible collateral received, including initial margin on exchange-traded derivatives, of \$378 as at December 31, 2022 (\$65 at December 31, 2021)<sup>1</sup>.

1 The Company has adjusted certain comparative figures to conform to the current year's presentation. These adjustments had no impact on the equity or net earnings of the Company.

## (a) The following summarizes the Company's derivative portfolio and related credit exposure using the following definitions of risk as prescribed by OSFI:

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 OSFI. The factors prescribed by OSFI 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 OSFI.

### 28. Derivative Financial Instruments (cont'd)

					2022				
	lotional amount		aximum credit risk	(	uture redit posure	Credit risk equivalent		wei	isk ghted valent
Interest rate contracts									
Swaps	\$ 6,267	\$	99	\$	72	\$	130	\$	2
Futures – long	6		-		-		-		-
Futures – short	169		-		-		-		-
Options purchased	1		_		_		_		
Foreign exchange contracts	6,443		99		72		130		2
Cross-currency swaps	30,522		2,108		1,890		3,687		63
Forward contracts	5,828		35		77		97		1
	36,350		2,143		1,967		3,784		64
Other derivative contracts									
Equity contracts	1,750		55		109		164		1
Futures – long	12		-		_		-		-
Futures – short	1,134		13		_		_		_
Other forward contracts	271		4		_		_		_
Equity options-purchased	1		_		_		_		_
Equity options-written	3		_		_		_		_
Credit default swaps	675		_		-		_		-
	3,846		72		109		164		1
otal	\$ 46,639	\$	2,314	\$	2,148	\$	4,078	\$	67
					2021				
	 Notional	Maximum credit		Future credit		Credit risk			isk
	amount		risk		posure	eq	uivalent	weighted equivalent	
Interest rate contracts									
Swaps	\$ 5,075	\$	207	\$	59	\$	263	\$	5
Futures – long	1		-		-		-		-
Futures – short	147		-		_		-		_
Options purchased	11		-		-		-		-
	5,234		207		59		263		5
Foreign exchange contracts									
Cross-currency swaps	22,654		564		1,424		1,958		36
Forward contracts	 4,455		50		65		100		1
	27,109		614		1,489		2,058		37
Other derivative contracts									
Equity contracts	2,146		142		134		261		1
Futures – long	15		-		-		_		-
Futures – short	578		1		-		_		-
Other forward contracts	1,488		3		129		133		1
	 4,227		146		263		394		2
Total	\$ 36,570	\$	967	\$	1,811	\$	2,715	\$	44

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

						2022				
				Notiona	al Amou	int				Total
	1 ye or le			er 1 year 5 years		Over 5 years		Total		imated r value
Derivatives not designated as accounting hedges										
Interest rate contracts										
Swaps	\$	581	\$	1,341	\$	4,320	\$	6,242	\$	(358)
Futures – long		6		-		-		6		_
Futures – short		169		-		-		169		_
Options purchased		1		-		-		1		-
		757		1,341		4,320		6,418		(358)
Foreign exchange contracts										
Cross-currency swaps		3,215		7,521		17,416		28,152		943
Forward contracts	:	3,262		-		-		3,262		(66)
		6,477		7,521		17,416		31,414		877
Other derivative contracts										
Equity contracts		1,482		_		_		1,482		6
Futures – long		12		-		_		12		_
Futures – short		1,134		-		-		1,134		13
Other forward contracts		271		-		-		271		3
Equity options-purchased		1		-		-		1		_
Equity options-written		3		-		-		3		_
Credit default swaps		-		500		175		675		-
		2,903		500		175		3,578		22
Fair value hedges										
Foreign exchange forward contracts		83		-		-		83		(3)
Cash flow hedges										
Interest rate contracts										
Swaps		_		_		25		25		3
Foreign exchange contracts										J
Cross-currency swaps		_		100		_		100		6
Other derivative contracts										-
Equity contracts		58		210		_		268		22
1. 3		58		310		25		393		31
Net investment hedges		50		310		23		393		31
Cross-currency swaps		_		_		2,270		2,270		134
Foreign exchange forward contracts		2,027		456				2,483		(28)
		2,027		456		2,270		4,753		106
Total		2,305	\$	10,128	\$	24,206	\$	46,639	\$	675
iotai	، ا د	2,303	Ą	10,120	Ą	24,200	ب	40,059	Ą	0/3

#### 28. Derivative Financial Instruments (cont'd)

				2021 1				
		Notiona	al Amou	nt		Total		
	year r less	er 1 year 5 years	Over 5 years		Total		estimated fair value	
Derivatives not designated as accounting hedges								
Interest rate contracts								
Swaps	\$ 518	\$ 948	\$	3,586	\$ 5,052	\$	164	
Futures – long	1	_		_	1		_	
Futures – short	147	_		_	147		_	
Options purchased	 11	-		_	11			
	677	948		3,586	5,211		164	
Foreign exchange contracts								
Cross-currency swaps	2,574	4,298		13,462	20,334		(420)	
Forward contracts	 2,450	_		_	2,450		(4)	
	5,024	4,298		13,462	22,784		(424)	
Other derivative contracts								
Equity contracts	1,952	_		_	1,952		52	
Futures – long	15	_		_	15		_	
Futures – short	578	_		_	578		(2)	
Other forward contracts	1,488	_		_	1,488		3	
	4,033	-		-	4,033		53	
Fair value hedges								
Foreign exchange forward contracts	78	-		-	78		(1)	
Cash flow hedges								
Interest rate contracts								
Swaps	_	_		23	23		8	
Other derivative contracts								
Equity contracts	43	151		_	194		89	
	43	151		23	217		97	
Net investment hedges								
Cross-currency swaps	_	_		2,320	2,320		_	
Foreign exchange forward contracts	1,409	518		_	1,927		48	
	1,409	518		2,320	4,247		48	
Total	\$ 11,264	\$ 5,915	\$	19,391	\$ 36,570	\$	(63)	

<sup>1</sup> The Company has reclassified certain comparative figures to conform to the current year's presentation. These reclassifications had no impact on the equity or net earnings of the Company.

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

## (c) The following provides details of the Company's derivative portfolio by type of instrument:

#### **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. Cross-currency swaps are also used to hedge the Company's net investment in foreign operations. 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.

#### 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.

Equity total return swaps are used to manage exposure to fluctuations in the total return of common shares related to deferred compensation arrangements. Total return swaps require the exchange of net contractual payments periodically or at maturity without the exchange of the notional principal amounts on which the payments are based. These instruments are designated as cash flow hedges.

Credit default swaps are used to transfer credit risk to another party.

The ineffective portion of the cash flow hedges during 2022, which includes interest rate contracts, foreign exchange contracts, and equity total return swap contracts, and the anticipated net gains (losses) expected to be reclassified out of accumulated other comprehensive income within the next twelve months is nil. The maximum time frame for which variable cash flows are hedged is 22 years.

## 29. Legal Provisions and Contingent Liabilities

The Company and its subsidiaries are from time-to-time subject to legal actions, including arbitrations and class actions. Provisions are established if, in management's judgment, it is probable a payment will be required and the amount of the payment can be reliably estimated. 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.

Subsidiaries of the Company in the United States are defendants in legal actions, including class actions, relating to the costs and features of their retirement and fund products and the conduct of their businesses. Management believes the claims are without merit and will be vigorously 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.

#### 30. 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. \$1,913 of which U.S. \$1,497 were issued as of December 31, 2022.

The Capital and Risk Solutions segment 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 \$5,336 as at December 31, 2022, with \$5,245 maturing within one year, \$84 maturing within two years and \$7 maturing in over 5 years.

#### (c) Pledged Assets

In addition to the assets pledged by the Company disclosed elsewhere in the consolidated financial statements:

- The amount of assets included in the Company's balance sheet which have a security interest by way of pledging is \$1,467 (\$1,263 at December 31, 2021) in respect of reinsurance agreements.
  - In addition, under certain reinsurance contracts, bonds presented in portfolio investments are held in trust and escrow accounts. Assets are placed in these accounts pursuant to the requirements of certain legal and contractual obligations to support contract liabilities assumed.
- The Company has pledged, in the normal course of business, \$74 (\$63 at December 31, 2021) of assets of the Company for the purpose of providing collateral for the counterparty.

## 31. Segmented Information

The operating segments of the Company are Canada, United States, Europe, Capital and Risk Solutions and Lifeco Corporate. These segments reflect the Company's management structure and internal financial reporting. Each of these segments operates in the financial services industry and the revenues from these segments are derived principally from interests in life insurance, health insurance, retirement and investment services, asset management and reinsurance businesses.

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

The Company has a capital allocation model to measure the performance of the operating segments. The impact of the capital allocation model is included in the segmented information presented below.

## (a) Consolidated Net Earnings

			202	2			
	Canada	United States	Europe		pital and Solutions	Lifeco orporate	Total
Income							
Total net premiums	\$ 15,103	\$ 2,025	\$ 3,962	\$	31,731	\$ _	\$ 52,821
Net investment income							
Regular net investment income	3,066	3,253	1,526		250	51	8,146
Changes in fair value through profit or loss	(6,900)	(8,088)	(7,066)		(1,856)	7	(23,903)
Total net investment income (loss)	(3,834)	(4,835)	(5,540)		(1,606)	58	(15,757)
Fee and other income	1,988	4,271	1,334		5	-	7,598
	13,257	1,461	(244)		30,130	58	44,662
Benefits and expenses							
Paid or credited to policyholders	7,628	(3,941)	(3,193)		29,170	_	29,664
Other <sup>1</sup>	3,893	4,374	1,741		248	25	10,281
Financing charges	133	228	22		9	6	398
Amortization of finite life intangible assets	111	205	56		1	_	373
Restructuring and integration expenses	-	178	-		_	-	178
Earnings before income taxes	1,492	417	1,130		702	27	3,768
Income taxes	160	(10)	59		18	7	234
Net earnings before non-controlling interests	1,332	427	1,071		684	20	3,534
Non-controlling interests	188	(6)	3		-	-	185
Net earnings	1,144	433	1,068		684	20	3,349
Preferred share dividends	112	_	18		_	-	130
Net earnings before capital allocation	1,032	433	1,050		684	20	3,219
Impact of capital allocation	84	27	(66)		(22)	(23)	_
Net earnings (loss) – common shareholders	\$ 1,116	\$ 460	\$ 984	\$	662	\$ (3)	\$ 3,219

 $<sup>1 \ \</sup> Includes commissions, operating and administrative \ expenses, and \ premium \ taxes.$ 

			202	1				
	 Canada	United States	Europe	Capital and Risk Solutions		Lifeco Corporate		Total
Income								
Total net premiums	\$ 13,900	\$ 4,518	\$ 4,862	\$	29,533	\$	-	\$ 52,813
Net investment income								
Regular net investment income (loss)	2,878	1,937	1,325		262		(9)	6,393
Changes in fair value through profit or loss	522	(900)	(1,375)		(334)		4	(2,083)
Total net investment income (loss)	3,400	1,037	(50)		(72)		(5)	4,310
Fee and other income	1,991	3,880	1,415		8		_	7,294
	19,291	9,435	6,227		29,469		(5)	64,417
Benefits and expenses								
Paid or credited to policyholders	13,577	4,797	3,200		28,721		_	50,295
Other <sup>1</sup>	3,792	3,654	1,736		212		107	9,501
Financing charges	134	159	24		9		2	328
Amortization of finite life intangible assets	110	171	55		_		_	336
Restructuring and integration expenses	-	90	-		-		-	90
Earnings (loss) before income taxes	1,678	564	1,212		527		(114)	3,867
Income taxes	182	73	140		(30)		(61)	304
Net earnings (loss) before non-controlling interests	 1,496	491	1,072		557		(53)	3,563
Non-controlling interests	304	(7)	4		_		_	301
Net earnings (loss)	1,192	498	1,068		557		(53)	3,262
Preferred share dividends	114	-	18		_		2	134
Net earnings (loss) before capital allocation	1,078	498	1,050		557		(55)	3,128
Impact of capital allocation	109	1	(74)		(25)		(11)	_
Net earnings (loss) – common shareholders	\$ 1,187	\$ 499	\$ 976	\$	532	\$	(66)	\$ 3,128

 $<sup>1\ \</sup> Includes\ commissions,\ operating\ and\ administrative\ expenses,\ and\ premium\ taxes.$ 

The revenue by source currency for Capital and Risk Solutions:

	2022	2021
Revenue		
United States	\$ 27,369	\$ 21,256
United Kingdom	1,089	1,369
Japan	(383)	4,297
Other	2,055	2,547
Total revenue	\$ 30,130	\$ 29,469

Negative income in the table above is primarily due to unrealized fair value losses through profit or loss on bonds, which are largely offset through changes in insurance contract liabilities.

## 31. Segmented Information (cont'd)

## (b) Consolidated Total Assets and Liabilities

						2022				
		Canada		United States		Europe		pital and Solutions		Total
Assets										
Invested assets	\$	90,751	\$	98,929	\$	39,420	\$	8,738	\$	237,838
Goodwill and intangible assets		5,794		7,966		3,053		-		16,813
Other assets		4,721		37,584		8,994		7,608		58,907
Investments on account of segregated fund policyholders		93,816		166,274		127,807		_		387,897
Total	\$	195,082	\$	310,753	\$	179,274	\$	16,346	\$	701,455
						2022				
		Canada		United States		Europe		pital and Solutions	Total	
Liabilities										
Insurance and investment contract liabilities	\$	81,927	\$	115,649	\$	37,542	\$	12,580	\$	247,698
Other liabilities		8,238		20,204		4,112		988		33,542
Investment and insurance contracts on account of		-,		,		.,				,
segregated fund policyholders		93,816		166,274		127,807		_		387.897
Total	¢	<u> </u>		302,127			\$	13,568	-	669,137
iotai	•	183,981	Þ	302,127	Þ	169,461	Þ	13,300	Þ	009,137
						2021				
		Canada		United States		Europe		apital and k Solutions		Total
Assets						· ·				
Invested assets	\$	92,400	\$	55,376	\$	48,669	\$	9,359	\$	205,804
Goodwill and intangible assets	-	5,722	*	5,826	4	3,047	•	_	•	14,595
Other assets		4,323		30,090		10,220		8,037		52,670
Investments on account of segregated fund policyholders		101,537		116,919		138,963		-		357,419
	_		-		<u>,</u>				-	
Total	\$	203,982	\$	208,211	•	200,899	\$	17,396	•	630,488
	_					2021				
		Canada		United States		Europe		apital and k Solutions		Total
Liabilities										
Insurance and investment contract liabilities	\$	84,829	\$	74,632	\$	47,356	\$	14,016	\$	220,833
Other liabilities		7,752		8,800		4,309		892		21,753
Investment and insurance contracts on account of										
segregated fund policyholders		101,537		116,919		138,963		_		357,419
Total	\$	194,118	\$	200,351	\$	190,628	\$	14,908	\$	600,005
	_									
The assets by source currency for Capital and Risk Solutions:								2022		2021
Assets								-		
United Kingdom							\$	5,396	\$	6,507
United States								6,832		5,902
Japan								3,310		4,102
Other								808		885
Total assets							\$	16,346	\$	17,396
10141 455015								10,540	ب	0.000



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# Independent Auditor's Report

To the Shareholders of Great-West Lifeco Inc.

We have audited the consolidated financial statements of Great-West Lifeco Inc. (the "Company"), which comprise the consolidated balance sheets as at December 31, 2022 and 2021, and the consolidated statements of earnings, comprehensive income, changes in equity and cash flows for the years then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies (collectively referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Company as at December 31, 2022 and 2021, and its financial performance and its cash flows for the years then ended in accordance with International Financial Reporting Standards ("IFRS").

#### **Basis for Opinion**

We conducted our audit in accordance with Canadian generally accepted auditing standards ("Canadian GAAS"). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### **Key Audit Matters**

Key audit matters are those matters that, in our professional judgment, were of most significance in our audit of the consolidated financial statements for the year ended December 31, 2022. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

#### Insurance Contract Liabilities - Refer to Notes 2 and 13 to the financial statements

#### Key Audit Matter Description

The Company has insurance contract liabilities representing a significant portion of its total liabilities. Insurance contract liabilities are determined in accordance with generally accepted actuarial practices established by the Canadian Institute of Actuaries using the Canadian Asset Liability Method (CALM). This method requires the use of complex valuation models incorporating projections of cash inflows and outflows using the best estimate of future experience together with a margin for adverse deviation.

While there are many assumptions which management makes, the assumptions with the greatest estimation uncertainty are those related to mortality, including the impact, if any, of the COVID-19 pandemic, and policyholder behaviour. These assumptions required significant auditor attention in specific circumstances where (i) there is limited Company and industry experience data, and (ii) the historical experience may not be a good indicator of the future. Auditing of certain valuation models, mortality and policyholder behaviour assumptions required a high degree of auditor judgment and an increased extent of audit effort, including the need to involve actuarial specialists.

Great-West Lifeco Inc. February 8, 2023 Page 2

How the Key Audit Matter was Addressed in the Audit

Our audit procedures related to certain valuation models, mortality and policyholder behaviour assumptions included the following, among others:

- With the assistance of actuarial specialists, tested the appropriateness of certain valuation models used in the estimation process by:
  - Calculating an independent estimate of the insurance contract liability for a sample of insurance policies and comparing the results to the Company's estimate;
  - o Testing the accuracy of certain valuation models for changes in key assumptions.
- With the assistance of actuarial specialists, tested the reasonableness of mortality and policyholder behaviour assumptions by:
  - Evaluating whether management's assumptions were determined in accordance with actuarial principles and practices under the Canadian actuarial standards of practice;
  - Testing experience studies and other inputs used in the determination of the policyholder behaviour and mortality assumptions;
  - Analyzing management's interpretation and judgment of its experience study results and emerging claims experience, evaluating triggers and drivers for revisions of assumptions, assessing reasonable possible alternative assumptions, and considering industry and other external sources of benchmarking where applicable.

#### Income Taxes - Refer to Notes 2 and 26 to the financial statements

Key Audit Matter Description

The Company recognizes deferred income taxes for the tax expected to be payable or recoverable on differences arising between the financial statement and tax basis of assets and liabilities, and is recorded at enacted or substantively enacted tax rates in effect for the years in which the differences are expected to be realized. The Company applies judgment in assessing the recoverability of the deferred income tax asset carrying values based on future years' taxable income projections. Certain of the Company's subsidiaries have had a history of losses and have a deferred income tax asset comprised principally of net operating losses. The Company has concluded that through the use of certain tax planning opportunities, it is probable that sufficient taxable income will be generated to utilize certain of the unused losses.

The determination of the recoverability of the Company's deferred tax assets in the Company's subsidiaries required management to make judgments related to the assessment of management's planned implementation of tax strategies. In addition, management makes significant estimates and assumptions in projecting future taxable income, specifically the revenue growth rates and projected expense margins and in the determination of whether the deferred tax asset will be realized. Auditing these judgments required a high degree of auditor judgment as the estimations made by management contain significant measurement uncertainty. This resulted in an increased extent of audit effort, including the need to involve income tax and other specialists.

How the Key Audit Matter was Addressed in the Audit

Our audit procedures related to the tax strategies, revenue growth rates and projected expense margins, and the determination of whether the deferred tax assets in the Company's subsidiaries will be realized included the following, among others:

- With the assistance of income tax specialists, analyzed the reasonableness of management's projected future taxable income available to determine whether the models properly factored in the impact of the tax planning strategies.
- Tested the reasonableness of the revenue growth rates and projected expense margins used to project future taxable income that was available to realize the deferred tax asset by:
  - o Assessing the key factors influencing management's revenue growth rates and projected

Great-West Lifeco Inc. February 8, 2023 Page 3

> expense margins used in the projections through both market and internally entity specific driven evidence;

- Performing a retrospective analysis of projected future taxable income against actual results from prior years.
- With the assistance of income tax and other specialists, evaluated the proposed tax planning strategies considered in the recoverability analysis to assess whether the deferred tax asset will be realized.

#### Prudential Financial Retirement Business Acquisition – Refer to Note 3(b) to the financial statements

Key Audit Matter Description

On April 1, 2022, the Company completed the acquisition of the full-service retirement business of Prudential Financial, Inc. ("Prudential"), through a share purchase and reinsurance transaction. The Company recognized the assets acquired and the liabilities assumed based on their respective acquisition-date fair values, including customer contract intangible assets ("intangible assets") and certain insurance contract liabilities ("insurance contract liabilities").

Management used discounted cash flow models to determine the fair value of the intangible assets. While there are several assumptions and estimates required, those with the highest degree of subjectivity are the forecasted revenues and earnings, and discount rates.

There are many components embedded in the determination of the fair value of the insurance contract liabilities that required management to make judgments and assumptions relating to (1) the appropriate accounting treatment, and (2) the appropriateness of valuation models that incorporate projections of cash inflows and outflows using the best estimate of future experience together with the discount rates. The judgments and assumptions with the greatest subjectivity are the determination of the appropriate accounting treatment, appropriateness of the valuation models, policyholder behaviour and discount rate assumptions.

Auditing of these judgments, assumptions and estimates required a high degree of auditor judgment and an increased extent of audit effort, including the need to involve fair value, actuarial, and financial instrument specialists.

How the Key Audit Matter Was Addressed in the Audit

Our audit procedures related to these judgments, assumptions, estimates and the accounting treatment used to determine the fair value of intangible assets and insurance contract liabilities included the following, among others:

#### Intangible assets:

- Evaluated the reasonableness of forecasted revenue and earnings by comparing the forecasts to:
  - o Historical results of the acquired entity;
  - Actual results of the acquired entity post-acquisition;
  - Underlying analyses detailing business strategies and growth plans including estimated revenue and cost per participant;
  - Third-party reports and comparable company performance.
- With the assistance of fair value specialists, evaluated the reasonableness of the discount rates used by testing the source information underlying the determination of the discount rates and developing a range of independent estimates and comparing those to the discount rates selected by management.

#### Insurance contract liabilities:

With the assistance of financial instrument specialists, evaluated management's assessment related

to the accounting treatment of the insurance contract liabilities by:

- Assessing the executed contracts to understand the nature of the products and to determine whether all key facts and circumstances were incorporated into management's assessment;
- Analyzing relevant accounting standards, including various aspects of IFRS, conceptual framework and guidance.
- With the assistance of actuarial specialists, tested the appropriateness of the valuation models used in the estimation process by:
  - Testing the valuation models for the incorporation of the key assumptions;
  - Recalculating management's estimate of the insurance contract liability for a sample of insurance policies and comparing the results to the Company's estimate.
- With the assistance of actuarial specialists, tested the reasonableness of policyholder behaviour assumptions, by:
  - Evaluating whether management's assumptions were determined in accordance with actuarial principles and practices;
  - Testing experience studies and other inputs used in the determination of the policyholder behaviour assumptions;
  - Analyzing management's interpretation and judgments based on the relative inputs, considering reasonable possible alternative assumptions, and considering industry and other external sources of benchmarking where applicable.

# Adoption of new and amended Accounting Standards – IFRS 17 Insurance Contracts ("IFRS 17") – Refer to Note 2 to the financial statements

Key Audit Matter Description

For the period beginning on January 1, 2023, the Company will be adopting IFRS 17 and has included an estimate of the financial impact on the opening consolidated balance sheet as at January 1, 2022 (the transition date) in accordance with IAS 8, *Changes in Accounting Errors and Estimates*. IFRS 17 is a complex accounting standard requiring considerable judgment and interpretation in its implementation, and will impact how the Company recognizes, measures, presents and discloses insurance contracts. In adopting the new standard, the Company has made certain accounting policy choices, and has disclosed the expected opening retained earnings impact along with certain reclassifications and other transitional adjustments which reflect the future application of IFRS 17 requirements including the establishment of the initial contractual service margin. These disclosures will be more extensive in 2023, once the new standard is adopted.

Management was required to make judgments and estimates to determine the accounting treatment at transition and to estimate the expected opening retained earnings impact. This resulted in an increased extent of audit effort, including the involvement of various specialists.

How the Key Audit Matter was Addressed in the Audit

When additional IFRS 17 disclosures are required in the December 31, 2023 consolidated financial statements, further testing of the impacts of transition will be performed. With the assistance of various specialists, our audit procedures related to management's determination of the accounting treatment at transition and the estimate of the expected opening retained earnings impact included the following, among others:

 Evaluated management's judgments to determine the accounting treatment at transition by analyzing the disclosures against IFRS 17 accounting guidance; Great-West Lifeco Inc. February 8, 2023 Page 5

> Assessed the appropriateness and reasonableness of certain reclassifications, key models, significant assumptions and other relevant inputs used in determining the transitional adjustments including the contractual service margin and their related impact on the expected opening retained earnings.

#### Other Information

Management is responsible for the other information. The other information comprises:

- Management's Discussion and Analysis;
- The information, other than the financial statements and our auditor's report thereon, in the Annual Report.

Our opinion on the financial statements does not cover the other information and we do not and will not express any form of assurance conclusion thereon. In connection with our audit of the financial statements, our responsibility is to read the other information identified above and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

We obtained Management's Discussion and Analysis prior to the date of this auditor's report. If, based on the work we have performed on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact in this auditor's report. We have nothing to report in this regard.

The Annual Report is expected to be made available to us after the date of the auditor's report. If, based on the work we will perform on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact to those charged with governance.

### Responsibilities of Management and Those Charged with Governance for the Financial **Statements**

Management is responsible for the preparation and fair presentation of the financial statements in accordance with IFRS, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Company's financial reporting process.

#### Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian GAAS will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian GAAS, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

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- Obtain an understanding of internal control relevant to the audit 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 Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business
  activities within the Company to express an opinion on the financial statements. We are responsible for
  the direction, supervision and performance of the group audit. We remain solely responsible for our audit
  opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

The engagement partner on the audit resulting in this independent auditor's report is Paul Stauch.

/s/ Deloitte LLP

**Chartered Professional Accountants** 

Winnipeg, Manitoba

February 8, 2023

## Sources of Earnings

The following is provided in accordance with the OSFI guideline requiring Sources of Earnings (SOE) disclosure. SOE is not an International Financial Reporting Standards (IFRS) measure. There is no standard SOE methodology. The calculation of SOE is dependent on and sensitive to the methodology, estimates and assumptions used.

SOE identifies various sources of IFRS net earnings. It provides an analysis of the difference between actual net income and expected net income based on assumptions made at the beginning of the reporting period. The terminology used in the discussion of sources of earnings is described below:

#### **Expected Profit on In-Force Business**

This component represents the portion of the consolidated net income on business in-force at the start of the reporting period that was expected to be realized based on the achievement of the best-estimate assumptions. It includes releases of provisions for adverse deviations, expected net earnings on deposits, and expected net management fees.

#### **Impact of New Business**

This component represents the point-of-sale impact on net income of writing new business during the reporting period. This is the difference between the premium received and the sum of the expenses incurred as a result of the sale and the new liabilities established at the point of sale.

#### **Experience Gains and Losses**

This component represents gains and losses that are due to differences between the actual experience during the reporting period and the best-estimate assumptions at the start of the reporting period.

#### **Management Actions and Changes in Assumptions**

This component represents the impact on net income resulting from management actions, changes in actuarial assumptions or methodology, changes in margins for adverse deviations, and correction of errors.

#### Other

This component represents the amounts not included in any other line of the sources of earnings.

#### **Earnings on Surplus**

This component represents the earnings on the Company's surplus funds.

Great-West Lifeco's sources of earnings are shown below for 2022 and 2021.

#### **Sources of Earnings**

(in Canadian \$ millions)

	Shareholders net earnings													
For the year ended December 31, 2022	C	anada		United States	E	Europe		al and Risk olutions		feco porate		Total		
Expected profit on in-force business	\$	1,321	\$	1,029	\$	855	\$	673	\$	(21)	\$	3,857		
Impact of new business		(25)		(296)		(78)		69		_		(330)		
Experience gains and losses		100		34		235		(117)		(4)		248		
Management actions and changes in assumptions		(106)		(69)		128		121		_		74		
Other		-		(157)		(20)		-		_		(177)		
Earnings on surplus		72		(91)		(56)		(66)		29		(112)		
Net earnings before tax		1,362		450		1,064		680		4		3,560		
Taxes		(134)		9		(59)		(18)		(7)		(209)		
Net earnings before non-controlling interests		1,228		459		1,005		662		(3)		3,351		
Non-controlling interests		-		1		(3)		-		-		(2)		
Net earnings – shareholders		1,228		460		1,002		662		(3)		3,349		
Preferred share dividends		(112)		-		(18)		-		-		(130)		
Net earnings – common shareholders	\$	1,116	\$	460	\$	984	\$	662	\$	(3)	\$	3,219		

## Sources of Earnings

#### **Sources of Earnings**

(in Canadian \$ millions)

	Shareholders net earnings													
For the year ended December 31, 2021		United		F		Capital and Risk Solutions		Lifeco Corporate			Total			
For the year ended December 31, 2021		Canada		States		urope	30	iutions	Col	porate		IOIdi		
Expected profit on in-force business	\$	1,314	\$	895	\$	889	\$	691	\$	(18)	\$	3,771		
Impact of new business		(20)		(241)		(37)		90		-		(208)		
Experience gains and losses		260		128		152		(235)		(21)		284		
Management actions and changes in assumptions		(58)		(8)		212		(20)		-		126		
Other		-		(190)		(31)		-		(68)		(289)		
Earnings on surplus		41		(15)		(48)		(24)		(18)		(64)		
Net earnings before tax		1,537		569		1,137		502		(125)		3,620		
Taxes		(236)		(74)		(140)		30		61		(359)		
Net earnings before non-controlling interests		1,301		495		997		532		(64)		3,261		
Non-controlling interests		_		4		(3)		_		_		1		
Net earnings – shareholders		1,301		499		994		532		(64)		3,262		
Preferred share dividends		(114)		-		(18)		-		(2)		(134)		
Net earnings – common shareholders	\$	1,187	\$	499	\$	976	\$	532	\$	(66)	\$	3,128		

#### Analysis of Results

Expected profit on in-force business is the major driver of earnings. The expected profit on in-force business of \$3,857 in 2022 was \$86 higher than 2021. The increase year-over-year is primarily a result of the acquisition of Prudential, partially offset by lower fee income due to lower market values, the negative impact of currency movements and lower provision releases in Capital and Risk Solutions.

The strain on new sales of \$330 in 2022 was \$122 higher than 2021 primarily due to higher sales expense in the U.S., higher sales expense and lower sales in Europe, and lower gains on new sales in Capital and Risk Solutions than in prior year.

Experience gains of \$248 in 2022 were \$36 lower than 2021.

The gains in 2022 were primarily a result of positive investment experience, favourable annuitant mortality experience across all regions, favourable life mortality experience in Europe, and favourable morbidity experience in Canada. These were partially offset by unfavourable expense and fee-based experience across all regions, unfavourable policyholder behaviour experience in Canada and Capital and Risk Solutions, property and casualty losses in Capital and Risk Solutions, and unfavourable life mortality experience in Canada.

The gains in 2021 were primarily a result of positive investment experience, favourable morbidity experience in Canada and Europe, favourable expense and fee-based experience in the U.S. and favourable annuitant mortality experience across all regions. These were partially offset by unfavourable life mortality experience in Europe and Capital and Risk Solutions, unfavourable expense and fee-based experience across Canada, Europe, Capital and Risk Solutions and Lifeco Corporate, property and casualty losses in Capital and Risk Solutions and unfavourable policyholder behaviour experience in Canada.

Management actions and changes in assumptions contributed \$74 to pre-tax earnings in 2022 compared to \$126 in 2021. Management actions and changes in assumptions were \$(106) in Canada, \$(69) in the U.S., \$128 in Europe and \$121 in Capital and Risk Solutions.

In Canada, assumption changes and management actions included updated policyholder behaviour assumptions, partially offset by modelling refinements and mortality and tax assumption updates.

In the U.S., management actions included transaction costs related to the acquisition of Prudential and there were no changes in assumptions in 2022.

In Europe, assumption changes and management actions included updated longevity, policyholder behaviour, and expense assumptions, partially offset by updated economic and asset related assumptions.

In Capital and Risk Solutions, assumption changes and management actions included updates to longevity assumptions, partially offset by mortality and expense assumption updates.

Other of \$(177) in 2022 was due to restructuring and integration costs in the U.S. and transaction costs related to acquisitions in the U.S. and Europe.

Earnings on surplus of \$(112) in 2022 was \$48 lower than 2021 primarily due to higher financing costs and lower gains on seed capital, partially offset by higher other investment income.

Taxes of \$(209) in 2022 reflected jurisdictional mix of earnings and tax-exempt income.

At December 31		2022	2021	2020	2019	2018
Total assets	\$	701,455	\$ 630,488	\$ 600,490	\$ 451,167	\$ 427,689
Total assets under administration <sup>1</sup>	\$	2,497,712	\$ 2,291,592	\$ 1,975,847	\$ 1,629,681	\$ 1,398,873
For the Year Ended December 31 Premiums and deposits:						
Total net premiums	\$	52,821	\$ 52,813	\$ 43,019	\$ 24,510	\$ 35,461
Self-funded premium equivalents (Administrative services only contracts)		10,953	11,108	6,123	3,295	3,068
Segregated funds deposits		40,618	29,657	21,916	24,685	24,475
Proprietary mutual funds and institutional deposits		69,787	75,225	100,287	84,259	76,258
Add back: U.S. Individual Life Insurance & Annuity Business –						
initial reinsurance ceded premiums		_			13,889	
Total premiums and deposits 1	\$	174,179	\$ 168,803	\$ 171,345	\$ 150,638	\$ 139,262
Condensed Statements of Earnings						
Income						
Total net premiums	\$	52,821	\$ 52,813	\$ 43,019	\$ 24,510	\$ 35,461
Net investment income						
Regular net investment income		8,146	6,393	5,963	6,161	6,358
Changes in fair value through profit or loss		(23,903)	(2,083)	5,699	6,946	(3,606)
Total net investment income (loss)		(15,757)	4,310	11,662	13,107	2,752
Fee and other income		7,598	7,294	5,902	7,081	5,819
Total income	_	44,662	64,417	60,583	44,698	44,032
Benefits and expenses						
Paid or credited to policyholders		29,664	50,295	48,487	33,091	32,068
Other <sup>2</sup>		10,679	9,829	8,652	8,451	8,223
Amortization of finite life intangible assets		373	336	238	224	212
Restructuring and integration expenses		178	90	134	52	67
Earnings before income taxes		3,768	3,867	3,072	2,880	3,462
Income taxes		234	304	(82)	373	387
Net earnings before non-controlling interests		3,534	3,563	3,154	2,507	3,075
Attributable to non-controlling interests		185	301	78	15	(19)
Net earnings – shareholders		3,349	3,262	3,076	2,492	3,094
Preferred share dividends		130	134	133	133	133
Net earnings – common shareholders	\$	3,219	\$ 3,128	\$ 2,943	\$ 2,359	\$ 2,961
Earnings per common share	\$	3.455	\$ 3.365	\$ 3.173	\$ 2.494	\$ 2.996
Return on common shareholders' equity <sup>3</sup>		13.6%	14.0%	14.1%	11.7%	14.0%
Book value per common share <sup>3</sup>	\$	26.60	\$ 24.71	\$ 22.97	\$ 21.53	\$ 22.08
Dividends to common shareholders – per share	\$	1.960	\$ 1.804	\$ 1.752	\$ 1.652	\$ 1.556

<sup>1</sup> This metric is a non-GAAP financial measure, does not have standard meanings prescribed by GAAP and is not directly comparable to similar measures used by other companies. Additional information regarding this non-GAAP financial measure, including a reconciliation of such non-GAAP financial measure to a measure prescribed by GAAP, is incorporated by reference herein and can be found in the Non-GAAP Financial Measures and Ratios section of the Company's 2022 Annual MD&A, available for review under the Company's profile on SEDAR at www.sedar.com.

 $<sup>2\</sup>quad Includes\ commissions,\ operating\ and\ administrative\ expenses,\ premium\ taxes\ and\ financing\ charges.$ 

Additional information regarding the composition of this financial measure has been incorporated by reference herein and can be found in the Glossary section of the Company's 2022 Annual MD&A, available for review under the Company's profile on SEDAR at www.sedar.com.

#### Directors and Senior Officers As of February 8, 2023

## **Board of Directors**

R. Jeffrey Orr 3, 4, 5, 6

Chair of the Board, Lifeco President and Chief Executive Officer, Power Corporation of Canada

Michael R. Amend<sup>2,7</sup>

Chief Enterprise Technology Officer, Ford Motor Company

**Deborah J. Barrett, FCPA, FCA, ICD.D** 1, 2, 5 Corporate Director

Robin A. Bienfait 1.7

Chief Executive Officer, Emnovate

Heather E. Conway 1, 4, 7

Chair of the Board, Amex Bank of Canada

Marcel R. Coutu 3, 4, 5

Corporate Director

André Desmarais, O.C., O.Q. 3, 4, 7

Deputy Chairman, Power Corporation of Canada Paul Desmarais, Jr., O.C., O.Q. 3,5

Chairman,

Power Corporation of Canada

Gary A. Doer, O.M. 4,7

Senior Business Advisor, Dentons Canada LLP

David G. Fuller 2,5

Corporate Director

Claude Généreux 4,5

Executive Vice-President, Power Corporation of Canada

Paula B. Madoff 5, 6

Corporate Director

Paul A. Mahon 6

President and Chief Executive Officer, Lifeco

Susan J. McArthur 3, 4, 5

Co-Founder and Executive Chair, LockDocs Inc.

T. Timothy Ryan 3, 4, 7

Corporate Director

Gregory D. Tretiak, FCPA, FCA 6.7

Executive Vice-President and Chief Financial Officer, Power Corporation of Canada

Siim A. Vanaselja, FCPA, FCA 1,7

Corporate Director

Brian E. Walsh 3, 4, 5, 6

Principal and Chief Strategist, Titan Advisors, LLC

#### Committees

1. Audit Committee Chair: Siim A. Vanaselja

2. Conduct Review Committee Chair: Deborah J. Barrett

3. Governance and Nominating Committee Chair: R. Jeffrey Orr

**4. Human Resources Committee** Chair: Claude Généreux

5. Investment Committee Chair: Paula B. Madoff

**6. Reinsurance Committee** Chair: Gregory D. Tretiak

7. Risk Committee Chair: Gregory D. Tretiak

### **Senior Officers**

Paul A. Mahon

President and Chief Executive Officer

Arshil Jamal

President and Group Head, Strategy, Investments, Reinsurance and Corporate Development

David M. Harney

President and Chief Operating Officer, Europe

Jeffrey F. Macoun

President and Chief Operating Officer, Canada

Edmund F. Murphy III

President and Chief Executive Officer, Empower

Robert L. Reynolds

Chair, Great-West Lifeco U.S. LLC

President and Chief Executive Officer,

Putnam Investments, LLC

Graham R. Bird

Executive Vice-President and Chief Risk Officer

Sharon C. Geraghty

Executive Vice-President and General Counsel

Garry MacNicholas

Executive Vice-President and Chief Financial Officer

Grace M. Palombo

Executive Vice-President and Chief Human Resources Officer

Steven M. Rullo

Executive Vice-President and Global Chief Information Officer

Nancy D. Russell

Senior Vice-President and Chief Internal Auditor David B. Simmonds

Senior Vice-President and Global Chief Communications and Sustainability Officer

Anne C. Sonnen

Senior Vice-President and Chief Compliance Officer

Raman Srivastava

Executive Vice-President and Global Chief Investment Officer

Dervla M. Tomlin

Executive Vice-President and Chief Actuary

Jeremy W. Trickett

Senior Vice-President and Chief Governance Officer

#### Shareholder Information

#### **Great-West Lifeco Inc. Head Office**

100 Osborne Street North Winnipeg, Manitoba, Canada R3C 1V3

Phone: 204 946-1190

Website: greatwestlifeco.com

#### **Stock Exchange Listings**

Great-West Lifeco Inc. trades on the Toronto Stock Exchange (TSX) under the ticker symbol GWO.

The following shares are also listed on the Toronto Stock Exchange:

#### Non-Cumulative First Preferred Shares:

Series G:	GWO.PR.G	Series P:	GWO. PR.P
Series H:	GWO.PR.H	Series Q:	GWO.PR.Q
Series I:	GWO.PR.I	Series R:	GWO.PR.R
Series L:	GWO.PR.L	Series S:	GWO.PR.S
Series M:	GWO.PR.M	Series T:	GWO.PR.T
Series N:	GWO.PR.N	Series Y:	GWO.PR.Y

#### **Shareholder Services**

For information or assistance regarding your registered share account, including dividends, changes of address or ownership, share certificates, direct registration, to eliminate duplicate mailings or to receive shareholder material electronically, please contact our transfer agent in Canada, the United States, United Kingdom or in Ireland directly. If you hold your shares through a broker, please contact your broker directly.

#### **Transfer Agent and Registrar**

The transfer agent and registrar of Great-West Lifeco is Computershare Investor Services Inc.

In Canada, the Common Shares are transferable at the following locations:

**Canadian Offices** Computershare Investor Services Inc.

100 University Avenue, 8th Floor, Toronto, Ontario M5J 2Y1

800, 324 8th Avenue S.W., Calgary, Alberta T2P 2Z2

1500 Robert-Bourassa Boulevard, 7th Floor, Montréal, Québec H3A 3S8 510 Burrard Street, 3rd Floor, Vancouver, British Columbia V6C 3B9

Phone: 1-888-284-9137 (toll free in Canada and the United States), 514-982-9557 (direct dial)

The Non-Cumulative First Preferred Shares, Series G, H, I, L, M, N, P, Q, R, S, T and Y are only transferable at the Toronto office of Computershare Investor Services Inc.

### Shareholder Information

Internationally, the Common Shares are also transferable at the following locations:

**United States Offices** Computershare Trust Company, N.A.

150 Royall Street, Canton, Massachusetts 02021

480 Washington Boulevard, Jersey City, New Jersey 07310

462 South 4th Street, Louisville, Kentucky 40202

Phone: 1-888-284-9137 (toll free in Canada and the United States)

**United Kingdom Office** Computershare Investor Services PLC

The Pavilions, Bridgwater Road, Bristol BS13 8AE

Phone: 0370 702 0003

**Ireland Office** Computershare Investor Services (Ireland) Limited

3100 Lake Drive, Citywest, Business Campus, Dublin 24, D24 AK82

Phone: 447 5566

Shareholders wishing to contact the transfer agent by email can do so at GWO@computershare.com.

#### **Investor Information**

Financial analysts, portfolio managers and other investors requiring information may contact Investor Relations by emailing investorrelations@canadalife.com. Financial information may also be accessed at greatwestlifeco.com.

For copies of our annual or quarterly reports, visit greatwestlifeco.com or contact the Corporate Secretary's Office at corporate.secretary@canadalife.com.

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# **About Us**

Great-West Lifeco Inc. is an international financial services holding company with interests in life insurance, health insurance, retirement and investment services, asset management and reinsurance businesses. We operate in Canada, the United States and Europe under the brands Canada Life, Empower, Putnam Investments and Irish Life. At the end of 2022, our companies had approximately 31,000 employees, 234,500 advisor relationships, and thousands of distribution partners – all serving over 38 million customer relationships across these regions. Great-West Lifeco trades on the Toronto Stock Exchange (TSX) under the ticker symbol GWO, and is a member of the Power Corporation group of companies. To learn more, visit greatwestlifeco.com.

#### **OUR BRANDS**

















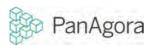


















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