

SUMMER 2023

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# CPP Investments Debt Issuance Program

CPP  Investments

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# CPP Investments at a Glance



# Overview

- Canada Pension Plan Investment Board (CPP Investments) is a Canadian federal Crown corporation whose legislated mandate is to invest the net contributions of the Canada Pension Plan (CPP).
- All Canadian employers, employees, and self-employed persons, except those in the Province of Quebec, make mandatory contributions to the CPP.
- The funds of the CPP invested by CPP Investments are fully segregated from all government accounts.
- Current net assets of C\$575 billion<sup>1</sup> are projected to grow to C\$3.6 trillion<sup>2</sup> by 2050.

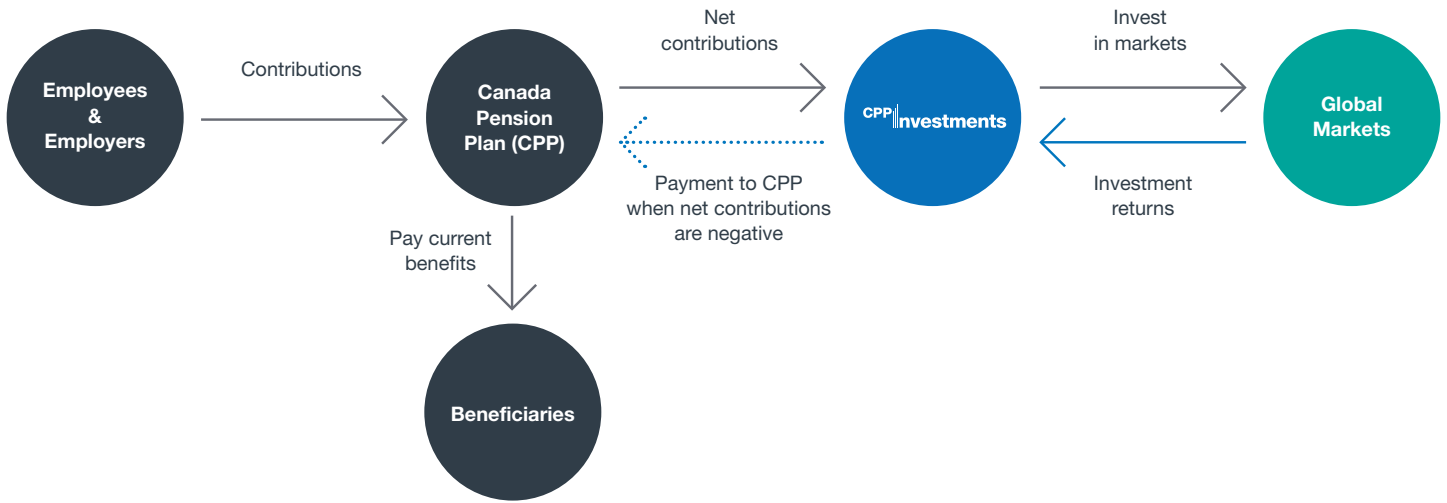
**S&P Global**  
Ratings      **AAA**

**MOODY'S**      **Aaa**

      **AAA**

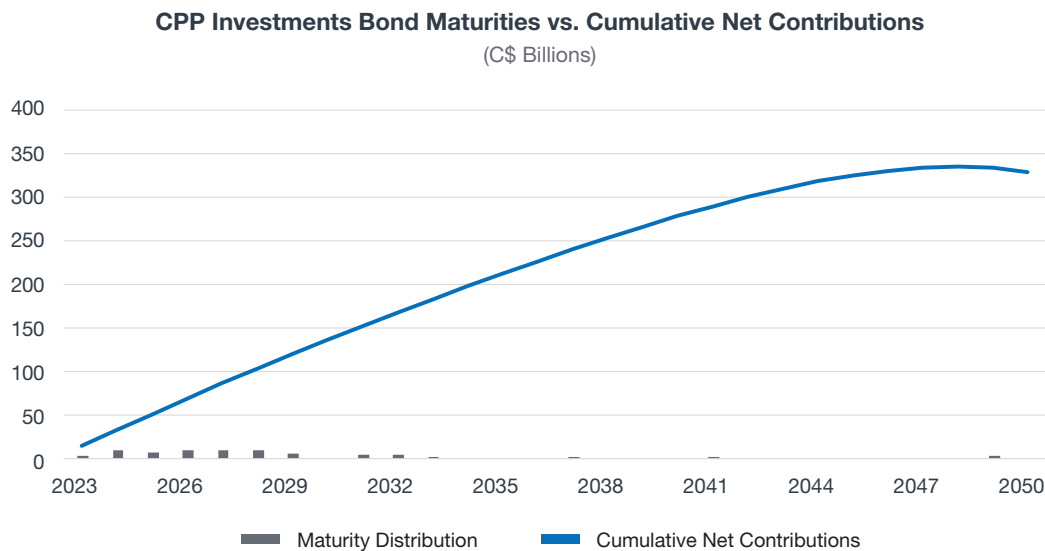
<sup>1</sup> C\$575 billion represents actual total Fund net assets as at June 30, 2023, CPP Investments Q1 Fiscal 2024 Results.  
<sup>2</sup> C\$3.6 trillion represents projected total Fund net assets from the 31st Actuarial Report on the Canada Pension Plan at the legislated contribution rates.

# Relationship Between Canada Pension Plan and CPP Investments



Note that the above graphic is a simplified representation of the relationship between CPP and CPP Investments

# Cumulative Net CPP Contributions



Maturities between 2049 and 2071 are summed and represented as a single data point in 2049.

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# CPP Investments Credit Highlights

## MINIMUM ASSETS HELD

### Under the statutory framework

*"Any amounts standing to the credit of the Canada Pension Plan Account that exceed the immediate obligations of that Account shall be transferred to the Investment Board" (Canada Pension Plan, s. 108.1(1)), ensuring CPP contributions are legally mandated to go to CPP Investments*

### Additionally

*"No payment shall be made out of the Consolidated Revenue Fund under (Canada Pension Plan, s. 108) in excess of the total of:*

*a) The amount of the balance to the credit of the Canada Pension Plan Account, and*

*b) The fair market value of the assets of the Investment Board less its liabilities" (Canada Pension Plan, s. 108(4))*

**Accordingly, under the statutory framework, only assets having a fair market value in excess of CPP Investments' liabilities are available to the Government of Canada to satisfy its obligations under the CPP.**

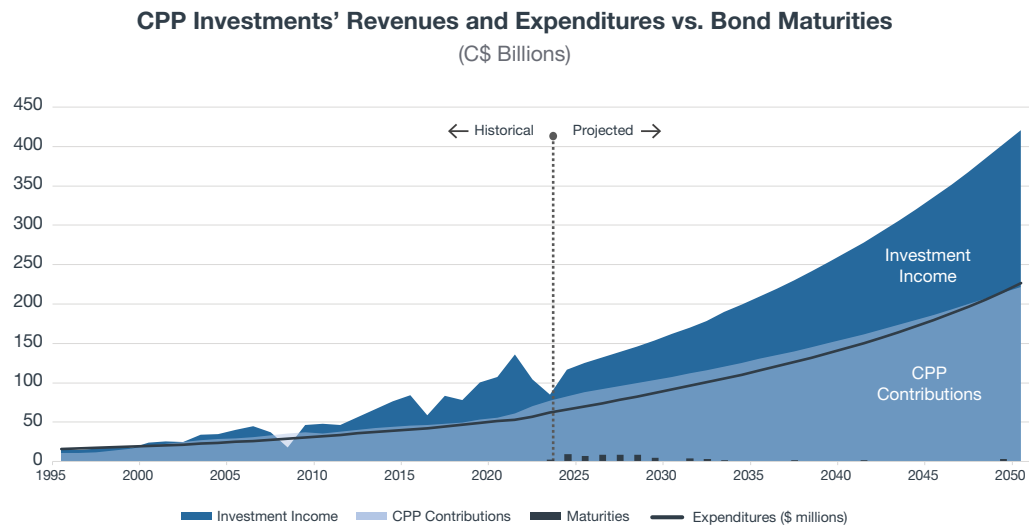
## TRIENNIAL REVIEW

- The Chief Actuary of Canada, an independent official within the Office of the Superintendent of Financial Institutions, prepares a report every three years setting out the results of an actuarial examination of the Canada Pension Plan based on the state of the Canada Pension Plan Account and the investments of CPP Investments, including the minimum contribution rates required to sustain the Canada Pension Plan. (*Canada Pension Plan*, s. 115)
- Based on the review of the financial state of the Canada Pension Plan conducted by the Office of the Chief Actuary, CPP Investments' stewards – the federal and provincial finance ministers – may make recommendations as to whether contribution rates should be changed to support the sustainability of the CPP. The Insufficient Rates Provisions (in the case of the base CPP) and the Financial Sustainability Provisions (in the case of the additional CPP) would be automatically invoked if necessary to support the sustainability of the CPP.
- In December 2022, the Office of the Chief Actuary reaffirmed through its latest triennial review that the CPP – both the base and additional portions – remains sustainable at the current legislated contribution rates throughout the 75-year period of the report, based on actuarially accepted assumptions.



# Revenues & Expenditures of the Fund

Net contributions and projected investment returns are projected to continue to materially exceed expenditures.



Projected Investment Income & Projected CPP Contributions from 31st Actuarial Report on the Canada Pension Plan at the legislated contribution rates.  
Maturities between 2049 and 2071 are summed and represented as a single data point in 2049.

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## Amending Formula

*Parliament cannot amend the Canada Pension Plan Investment Board Act (CPPIB Act), or pass any other laws which directly or indirectly alter the CPPIB Act, without approval “of at least two thirds of the included provinces, having in the aggregate not less than two thirds of the population of all of the included provinces.”*

*(Canada Pension Plan, s. 114(4))*

- This is the cornerstone of CPP Investments’ legislative framework.
- Changing the legislation governing CPP Investments requires the cooperation of the stewards – the federal and provincial finance ministers who oversee the CPP. This process is more onerous than the constitutional amending formula and requires agreement among the federal government and two-thirds of the provinces representing two-thirds of the population.
- “No Act relating to the insolvency or winding-up of any corporation applies to the Board and **in no case shall the affairs of the Board be wound up unless Parliament so provides.**” (*Canada Pension Plan*, s. 55)
- The certainty around its legislative framework enables CPP Investments to invest for the long term.

# Projected Assets of CPP Fund

The chart below illustrates the combined projections of assets from the Chief Actuary’s 31st Report, which considers future changes in demographics, the economy and investment environments. The Fund has two sources of growth: net contributions from CPP participants and net income earned from investments.

## Current Net Assets of

C\$575 billion<sup>1</sup>

are projected to grow to

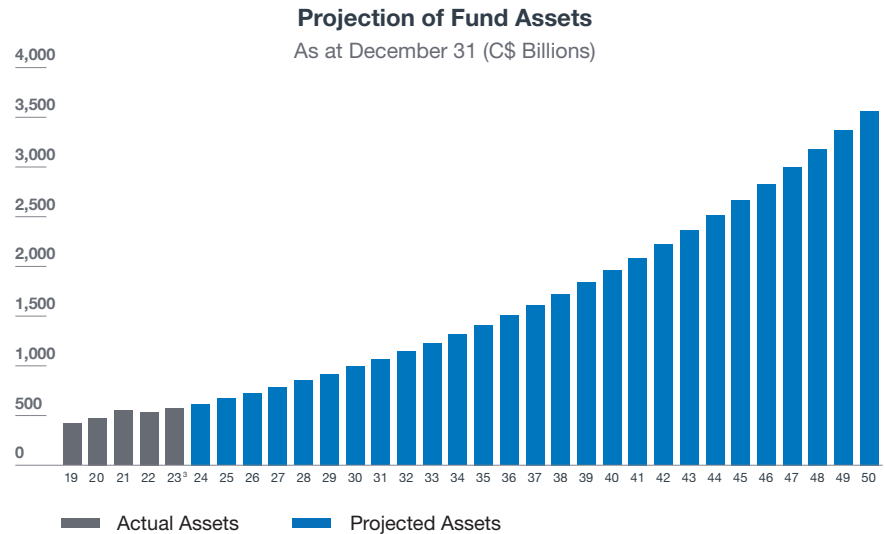
C\$3.6 trillion<sup>2</sup>

by 2050.

<sup>1</sup> C\$575 billion represents actual total Fund net assets as at June 30, 2023, CPP Investments Q1 Fiscal 2024 Results.

<sup>2</sup> C\$3.6 trillion represents projected total Fund net assets from the 31st Actuarial Report on the Canada Pension Plan at the legislated contribution rates.

<sup>3</sup> Represents actual total net assets as at March 31, 2023.



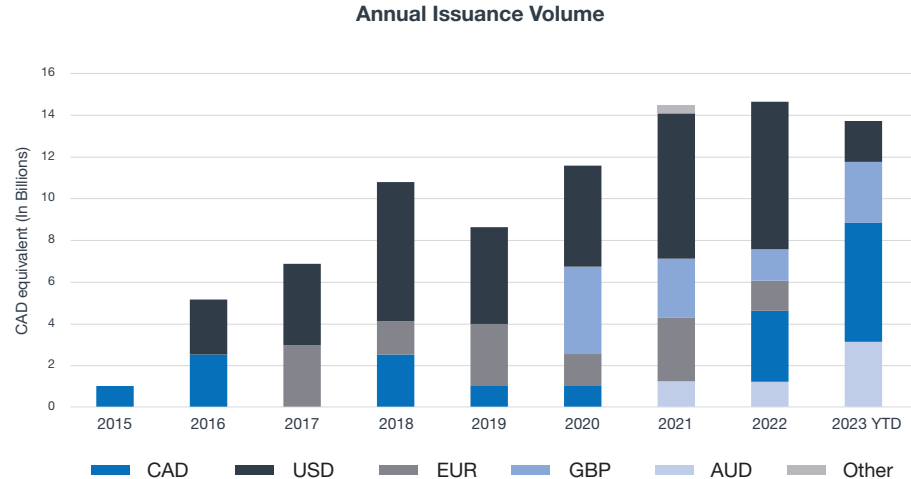


# Debt Issuance



# Global Debt Issuance Programme

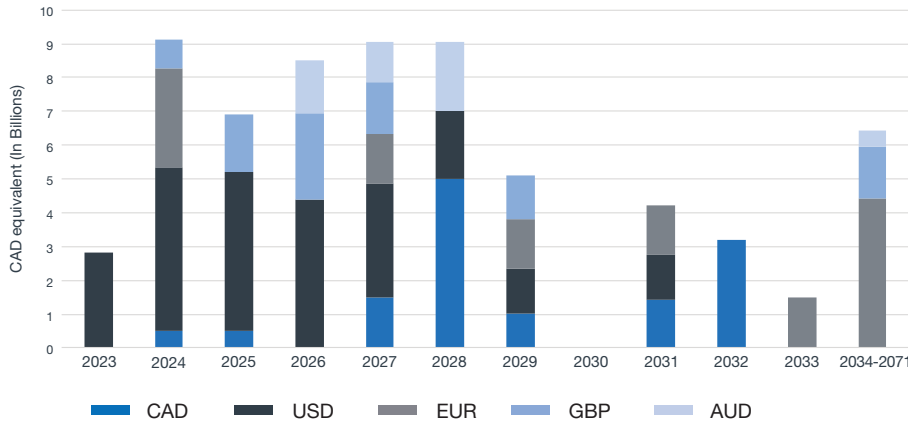
- CPP Investments has been an issuer in the debt markets since 2015, issuing 66 bonds totaling ~C\$86 billion (based on FX rate on issue date)
- Issuance volumes have grown materially since 2015, and are projected to continue to grow with the growth of the Fund
- CPP Investments is the largest Canadian issuer in foreign markets



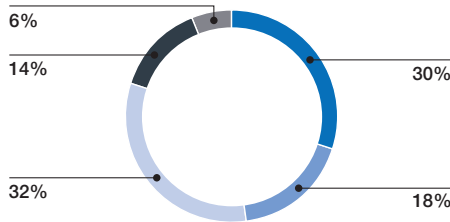
# Core Currencies

CPP Investments offers a C\$75 billion multi-currency programme focused on building liquid benchmarks in five core currencies: AUD, CAD, EUR, GBP, and USD.

Current CPP Investments Outstanding by Currency/Term

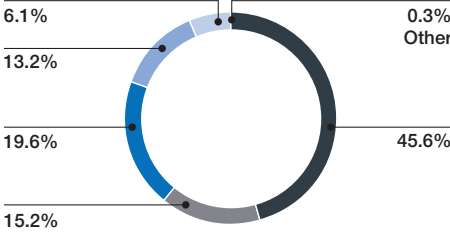


Distribution by Investor Type



- Asset Manager
- Bank Treasury/Private Bank
- Central Bank/Official Institution
- Pension/Insurance
- Other

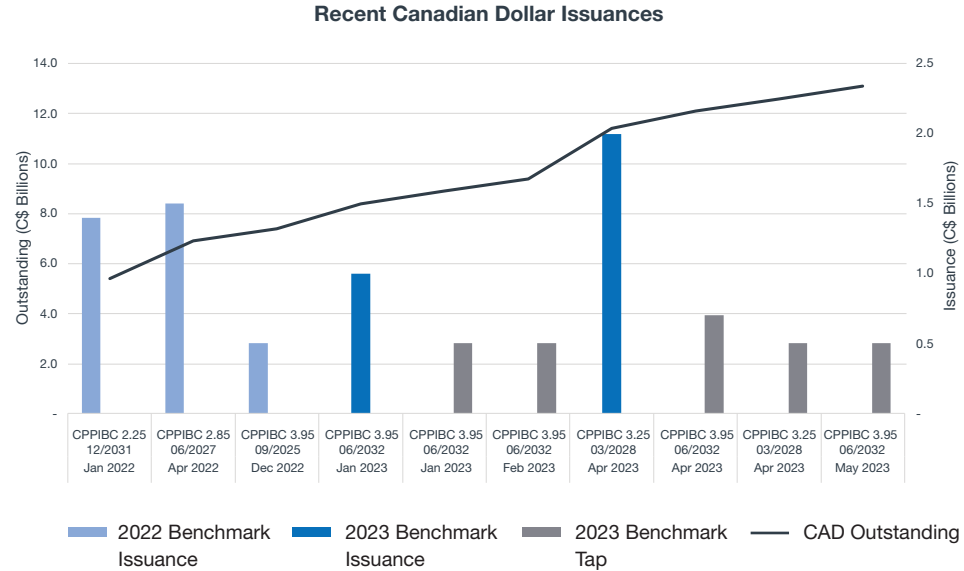
Issuance Breakdown by Currency Since Inception (C\$ Billions)



- CAD
- USD
- EUR
- GBP
- AUD
- Other

# Canadian Dollar Issuance Programme

- The growth in Canadian Dollar issuance demonstrates CPP Investments' commitment to the market
- CPP Investments intends to source at least one-third of its issuance programme in CAD, with a focus on building large, liquid benchmarks
- The current five- and ten-year benchmarks are 3.25% 03/2028 and 3.95% 06/2032 with final target benchmark size of C\$3-4 billion each

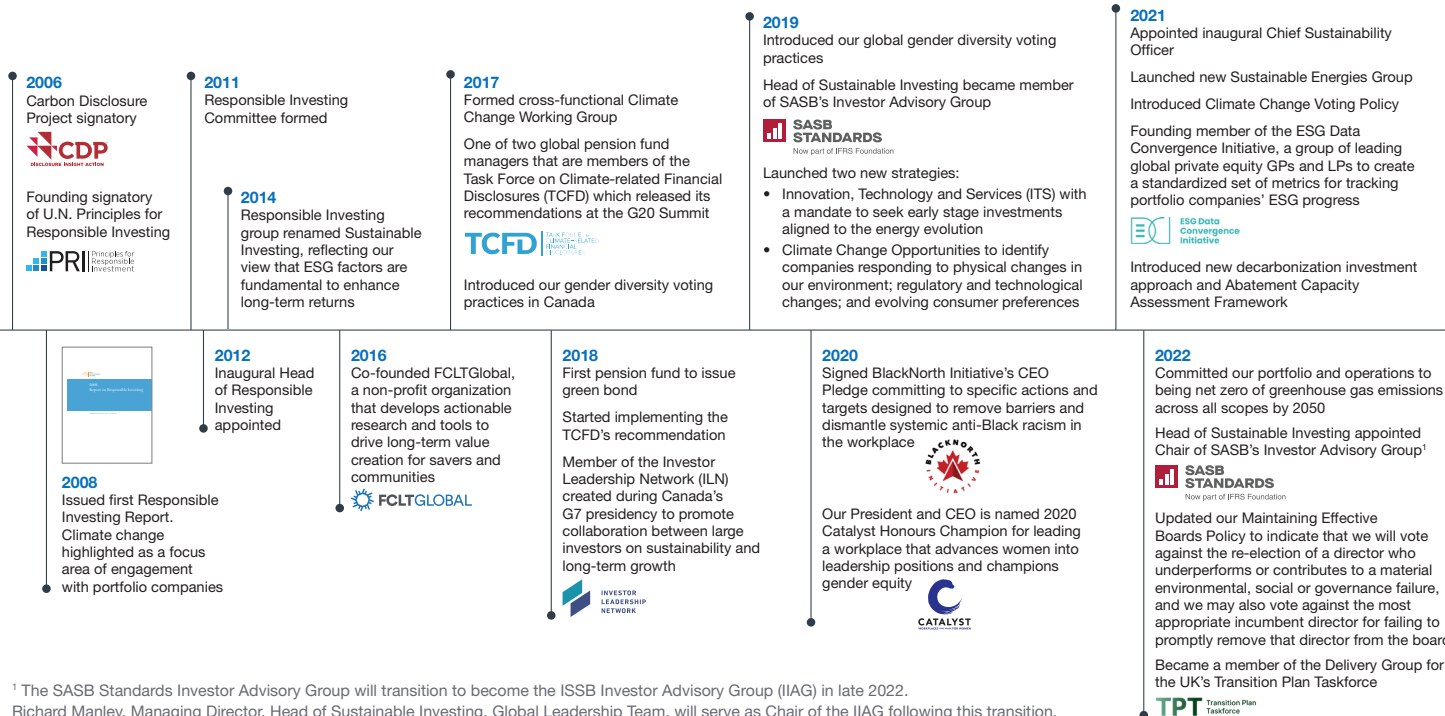


An aerial photograph of a wind farm situated on a mountain ridge. A winding dirt road leads through the landscape, which is covered in green grass and dotted with rocks. Several white wind turbines are visible, some standing prominently in the foreground and others receding into the distance. The scene is shrouded in a thick layer of mist or low clouds, particularly around the base of the turbines and the road. In the background, more mountain ranges are visible under a sky with soft, wispy clouds, suggesting a sunrise or sunset. The overall atmosphere is serene and emphasizes the integration of renewable energy with nature.

# ESG Investing



# Key Milestones



<sup>1</sup> The SASB Standards Investor Advisory Group will transition to become the ISSB Investor Advisory Group (IIAG) in late 2022.

Richard Manley, Managing Director, Head of Sustainable Investing, Global Leadership Team, will serve as Chair of the IIAG following this transition.

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# Investing in the Path to Net Zero

*We have committed to achieving net-zero greenhouse gas (GHG) emissions across the Fund and our operations by 2050*

Actions include:

- Continuing to invest and exert our influence in the whole economy transition as active investors, rather than through blanket divestment
- Maintaining carbon neutrality for our internal operations (Scope 1, 2 and 3 business travel)<sup>1</sup>, from fiscal 2023 onward
- Continuing to increase our green and transition asset portfolio from \$79 billion at end of fiscal 2023 to at least \$130 billion by 2030
- Scaling our decarbonization investment approach that seeks attractive returns enabling emissions reduction and business information in high-emitting sectors

<sup>1</sup> Scope 1 refers to direct GHG emissions from an organization's owned and controlled sources. Scope 2 refers to indirect emissions from the generation of purchased energy. Scope 3 refers to all indirect emissions (not included in Scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions.

## OUR CLIMATE CHANGE PRINCIPLES

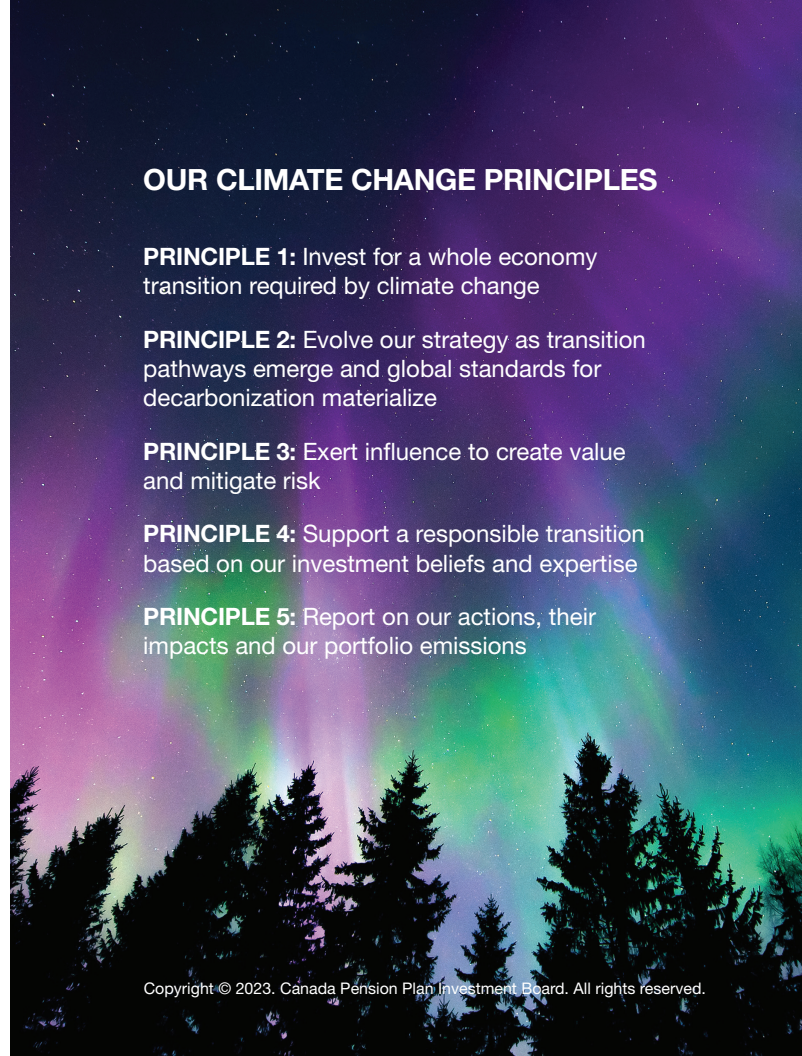
**PRINCIPLE 1:** Invest for a whole economy transition required by climate change

**PRINCIPLE 2:** Evolve our strategy as transition pathways emerge and global standards for decarbonization materialize

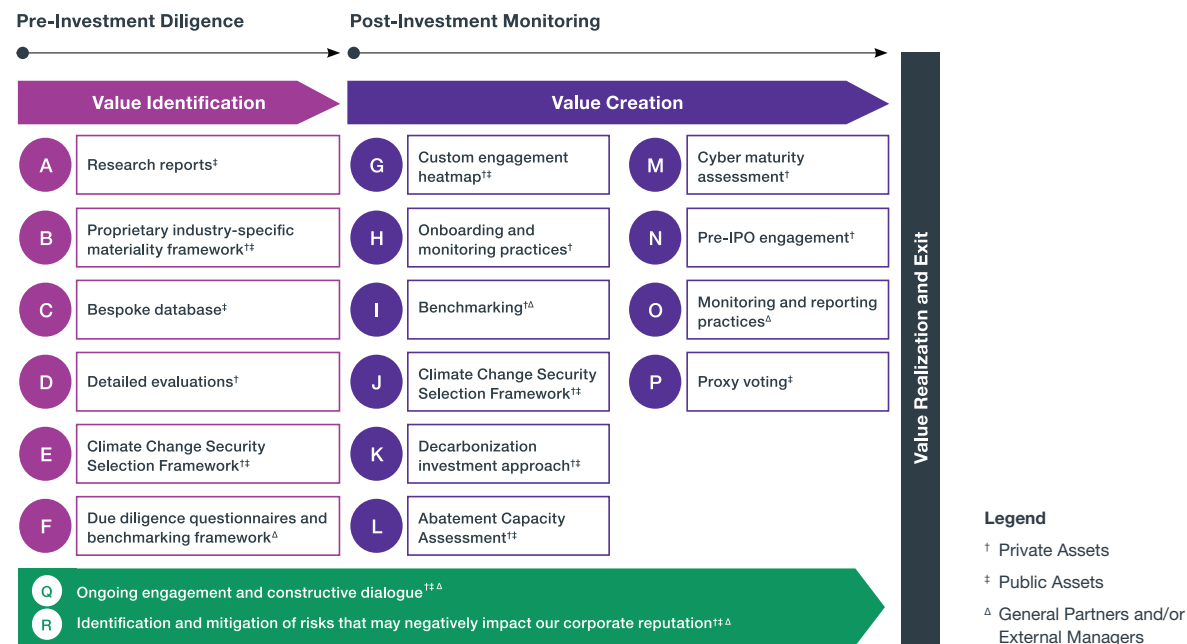
**PRINCIPLE 3:** Exert influence to create value and mitigate risk

**PRINCIPLE 4:** Support a responsible transition based on our investment beliefs and expertise

**PRINCIPLE 5:** Report on our actions, their impacts and our portfolio emissions



# Embedding Sustainability-related Considerations into the Investment Life Cycle







# Green Bond Framework



# CPP Investments Green Bond Framework

Developed in accordance with the Green Bond Principles as set out by the International Capital Markets Association with a Second Opinion provided by CICERO

## Used to Finance or Re-Finance Eligible Investments

New and existing assets may qualify. Eligible assets will have a two-year lookback period from issuance date. An amount equal to net proceeds raised through a green bond issuance will be notionally allocated within one year of issuance. Eligible use of proceeds excludes direct investments in fossil fuel infrastructure.

## Eligible Investments

- Renewable Energy
- Green Buildings
- Low Carbon / Clean Transportation
- Energy Efficiency

Eligible Investments may not be evaluated against the broader sustainability strategy as described in the first section of the Green Bond Framework and throughout this presentation. CPP Investments will exercise its judgment and sole discretion in determining the Eligible Investments. Investors should read the Green Bond Framework and the Programme Offering Memorandum in their entirety.

## Transparency & Reporting

CPP Investments will report annually on notional allocation of proceeds and associated impact, where feasible, for the preceding 12 months per green bond issued until an amount equal to the net proceeds of the green bond issuance has been notionally allocated. An external verification of the notional allocation of net proceeds and, where feasible, impact metrics, will be carried out by an independent, qualified third-party on an annual basis until all net proceeds have been notionally allocated.



°CICERO  
Shades of  
Green

## SHADES OF GREEN



°CICERO  
Dark Green

## GOVERNANCE ASSESSMENT

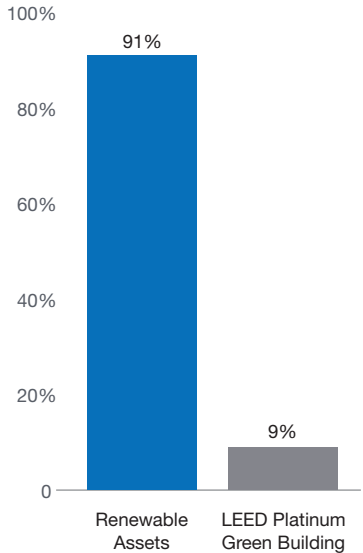


## GREEN BOND PRINCIPLES

Based on this review, this framework is found in alignment with the principles.

# Green Bond Assets

Percentage of Total Green Assets



Investment amounts are as of March 31, 2023



The North American portfolio includes 14 long-term fully contracted operating wind and solar assets with a 1.3GW capacity.

CPP Investments acquired 49% of Enbridge’s interest in select North American onshore renewable power assets and two German offshore wind projects.

**Date of investment: 2018**  
**Investment: C\$2.25B**



A joint venture between Enbridge Inc. and CPP Investments with the objective of investing in and managing offshore wind projects in Europe.

**Date of investment: 2019**  
**Investment: C\$1.1B+**



Leading U.S.-based renewable energy company with 3.4GW of wind and solar projects.

**Date of investment: 2020**  
**Investment: US\$2.6B**



A global energy tech pioneer, launched in 2016 that focuses on customer driven and affordable green energy.

**Date of investment: 2021**  
**Investment: GBP 211M**



Richmond-Adelaide Centre is an office complex in the heart of Toronto’s downtown core. EY Tower, the newest addition completed in 2017, was built to LEED Platinum specifications.

**Date of investment: 2016**  
**Investment: C\$650M**

The background of the slide is a complex financial chart. It features multiple candlestick patterns in various colors including orange, yellow, green, and blue. Overlaid on these are several moving average lines, some solid and some dashed, in shades of blue and white. The chart is set against a dark blue background with a grid of horizontal and vertical lines. On the right side, there are three vertical white bars of increasing height. The overall aesthetic is high-tech and professional, typical of a financial presentation.

# Performance and Portfolio Composition

# Performance – Fiscal 2023

Our active investing strategy and innovative approach to portfolio management enable our commitment to deliver the performance levels needed to keep the CPP financially sustainable over many generations.

**Fiscal 2023  
Net Income**  
(after all expenses)

C\$8B

**Cumulative Net Income  
for 10-Year Period**  
(after all expenses)

C\$320B

**10-Year Annualized  
Rate of Return**  
(net nominal)

10.0%

**Fiscal 2023  
Rate of Return**  
(net nominal)

1.3%

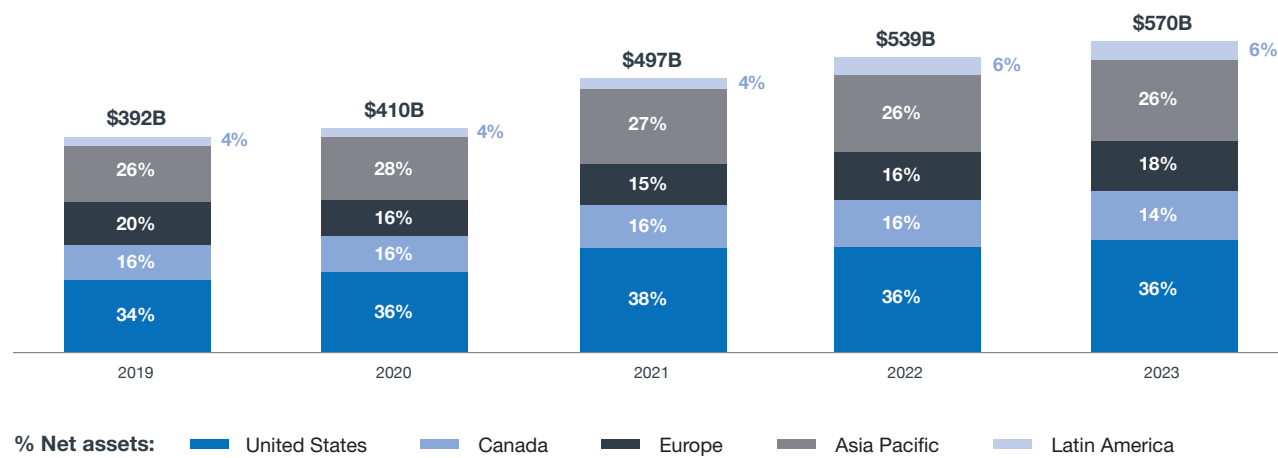
**5-Year Annualized  
Rate of Return**  
(net nominal)

7.9%

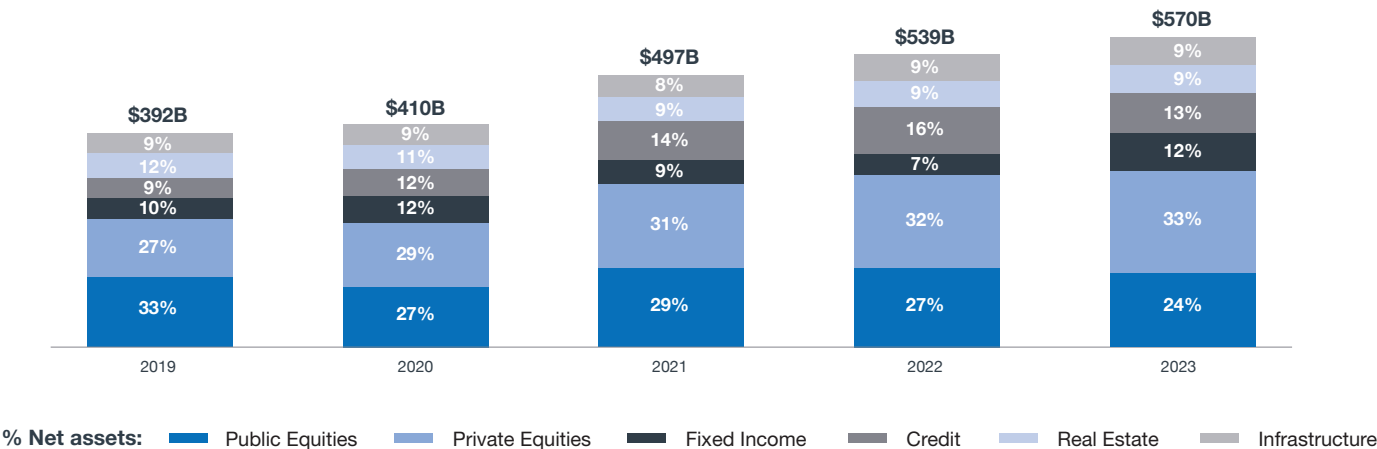
As at March 31, 2023 – CPP Investments Fiscal 2023 Results



# Five-Year Historical Fund Composition by Geography



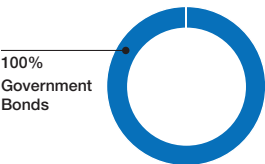
# Five-Year Historical Fund Composition by Asset Class



# As Assets Scale, Investment Strategies Have Evolved

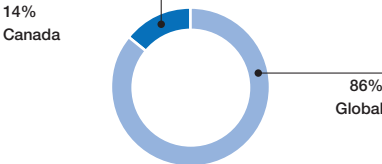
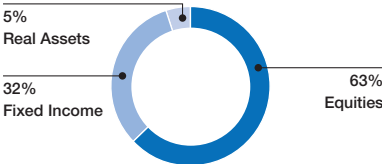
Fiscal 1999  
Assets

C\$36B



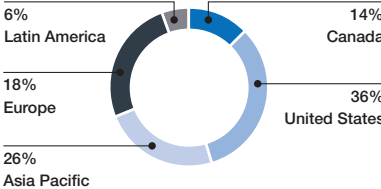
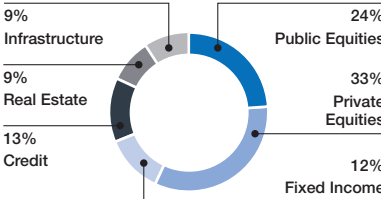
Fiscal 2006  
Assets

C\$98B



Fiscal 2023  
Assets

C\$570B



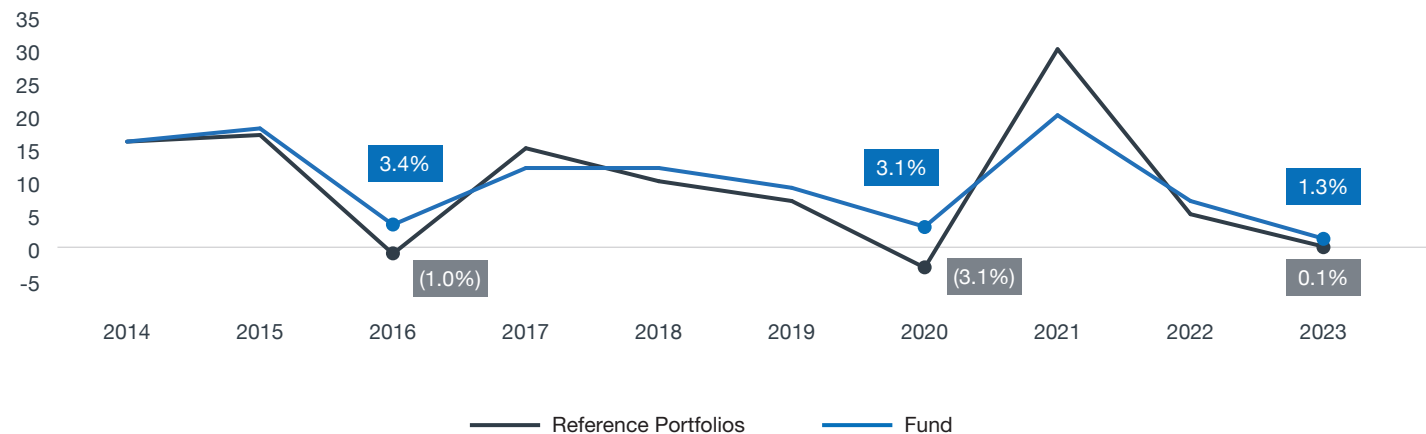
Fiscal 2023 Fixed Income exposure of 12% represents a figure net of fixed income liabilities. Total Fixed Income (gross) exposure was C\$179.5B.



# Delivering Long-Term Returns

Resiliency of the Fund During Historical Market Downturns

(1-year Fiscal, % returns)



The background is a complex, abstract composition. It features a network of thin, light blue lines connecting small white dots, creating a mesh-like structure. Overlaid on this are various geometric shapes, primarily triangles and polygons, in shades of deep blue and magenta. The entire scene is filled with a dense pattern of binary digits (0s and 1s) in a light, glowing font. The overall color palette is dominated by cool blues and purples, with some warmer magenta tones. On the right side, there are three vertical white bars of increasing height, suggesting a list or a sequence. In the top left, there is a short horizontal blue line.

# Appendix

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# Key Links\*

## Performance and Sustainability

Financial Highlights: [www.cppinvestments.com/the-fund/our-performance](http://www.cppinvestments.com/the-fund/our-performance)

Quarterly and Annual Results: [www.cppinvestments.com/the-fund/our-performance/financial-results](http://www.cppinvestments.com/the-fund/our-performance/financial-results)

Actuary and Special Exam Reports: [www.cppinvestments.com/the-fund/our-performance/actuary-special-exam-reports](http://www.cppinvestments.com/the-fund/our-performance/actuary-special-exam-reports)

Sustainability of the CPP: [www.cppinvestments.com/the-fund/our-performance](http://www.cppinvestments.com/the-fund/our-performance)

Chief Actuary Reports: [www.osfi-bsif.gc.ca/Eng/oca-bac/ar-ra/cpp-rpc/Pages/default.aspx](http://www.osfi-bsif.gc.ca/Eng/oca-bac/ar-ra/cpp-rpc/Pages/default.aspx)

## Legislation and Regulations

Canada Pension Plan: [laws-lois.justice.gc.ca/eng/acts/c-8/index.html](http://laws-lois.justice.gc.ca/eng/acts/c-8/index.html)

Canada Pension Plan Regulations: [laws-lois.justice.gc.ca/eng/regulations/C.R.C., c. 385/index.html](http://laws-lois.justice.gc.ca/eng/regulations/C.R.C., c. 385/index.html)

Canada Pension Plan Investment Board Act: [laws-lois.justice.gc.ca/eng/acts/c-8.3/index.html](http://laws-lois.justice.gc.ca/eng/acts/c-8.3/index.html)

Canada Pension Plan Investment Board Regulations: [laws-lois.justice.gc.ca/eng/regulations/sor-99-190/page-1.html](http://laws-lois.justice.gc.ca/eng/regulations/sor-99-190/page-1.html)

## Governance

Independence: [www.cppinvestments.com/about-us/governance/independence](http://www.cppinvestments.com/about-us/governance/independence)

Accountability: [www.cppinvestments.com/about-us/governance/accountability](http://www.cppinvestments.com/about-us/governance/accountability)

Board of Directors: [www.cppinvestments.com/about-us/governance/board-of-directors](http://www.cppinvestments.com/about-us/governance/board-of-directors)

Policies: [www.cppinvestments.com/about-us/governance/policy](http://www.cppinvestments.com/about-us/governance/policy)

## Green

Green Bond Framework: [www.cppinvestments.com/wp-content/uploads/2022/06/Green-Bond-Framework-22June2022.pdf](http://www.cppinvestments.com/wp-content/uploads/2022/06/Green-Bond-Framework-22June2022.pdf)

Cicero Second Opinion: [www.cppinvestments.com/wp-content/uploads/2022/06/CICERO-Green-SPO-CPP-Investments-22June2022.pdf](http://www.cppinvestments.com/wp-content/uploads/2022/06/CICERO-Green-SPO-CPP-Investments-22June2022.pdf)

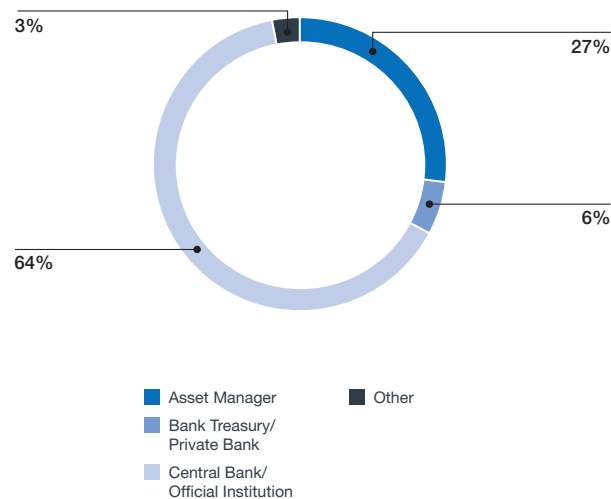
2022 Report on Sustainable Investing: [www.cppinvestments.com/wp-content/uploads/2022/09/2022-Report-on-Sustainable-Investing-CPP-Investments-EN.pdf](http://www.cppinvestments.com/wp-content/uploads/2022/09/2022-Report-on-Sustainable-Investing-CPP-Investments-EN.pdf)

Net Zero Commitment: [www.cppinvestments.com/the-fund/sustainable-investing#net-zero](http://www.cppinvestments.com/the-fund/sustainable-investing#net-zero)

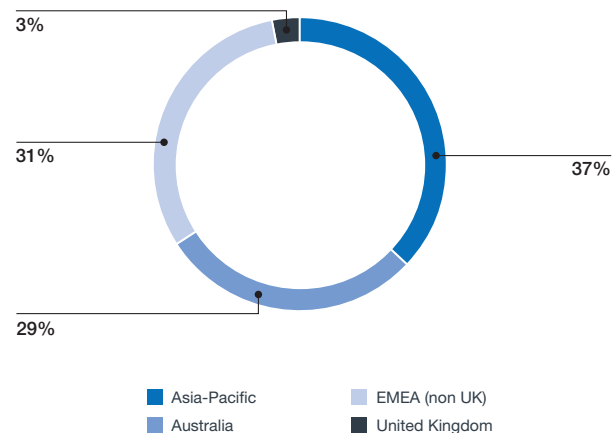
\* These links are provided as information only and are not incorporated by reference in this presentation.

# Select Outstanding AUD Debt Profile

By Investor Type

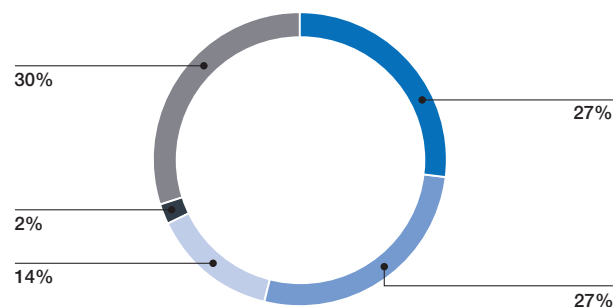


By Geography



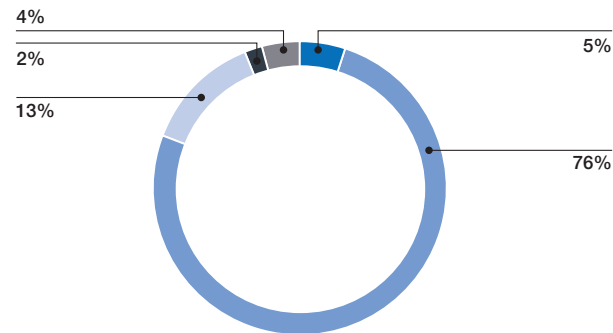
# Select Outstanding CAD Debt Profile

By Investor Type



- Asset Manager
- Bank Treasury/Private Bank
- Central Bank/Official Institution
- Other
- Pension/Insurance

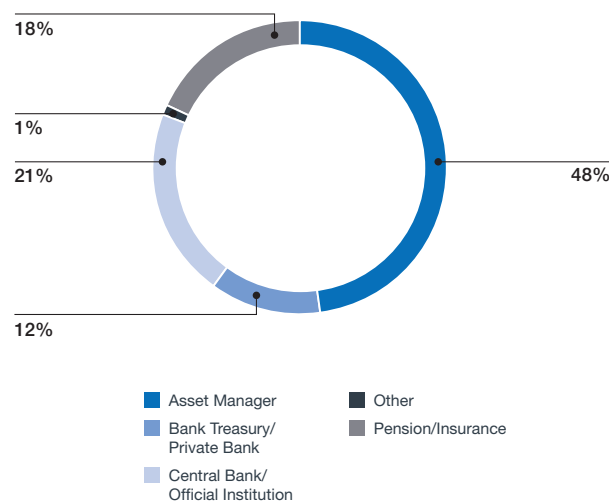
By Geography



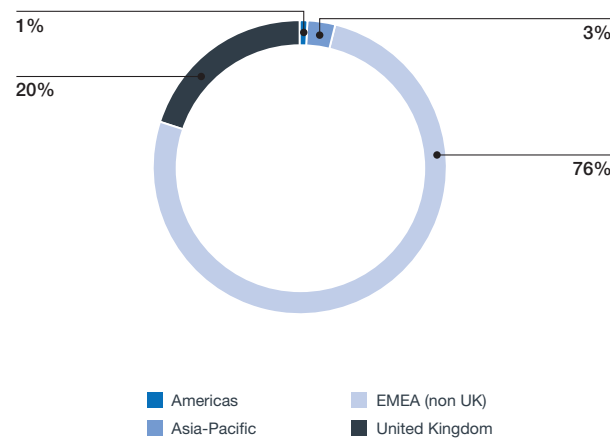
- Asia-Pacific
- Canada
- EMEA (non UK)
- United Kingdom
- United States

# Select Outstanding EUR Debt Profile

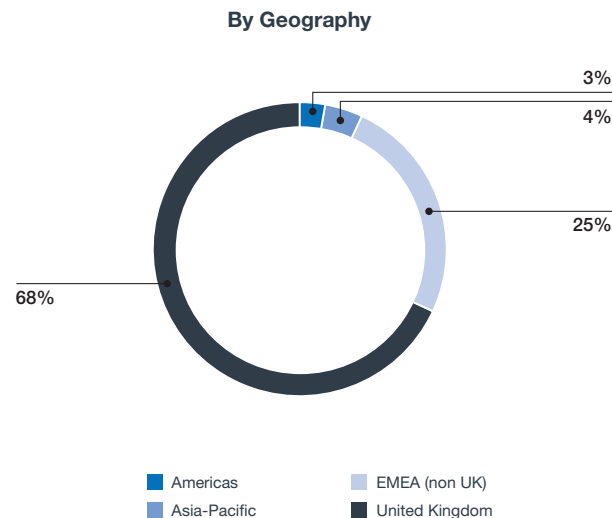
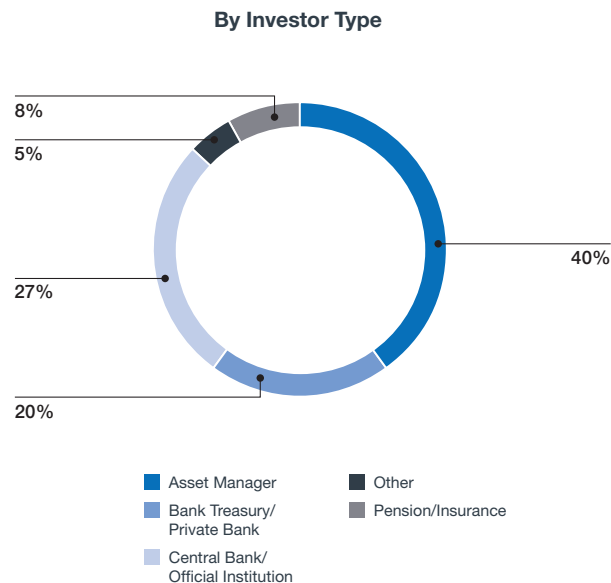
By Investor Type



By Geography



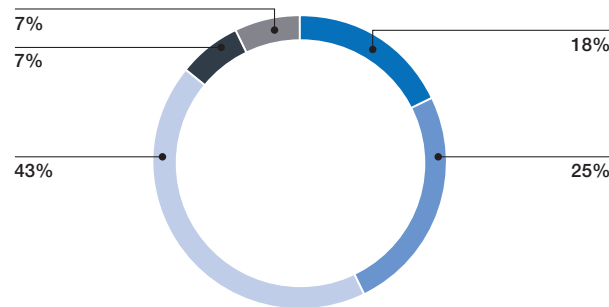
# Select Outstanding GBP Debt Profile





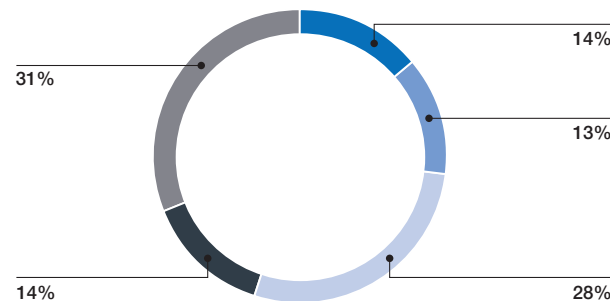
# Select Outstanding USD Debt Profile

By Investor Type



- Asset Manager
- Bank Treasury/Private Bank
- Central Bank/Official Institution
- Other
- Pension/Insurance

By Geography



- Asia-Pacific
- Canada
- EMEA (non UK)
- United Kingdom
- United States

# Debt Issuance Indices

## EUR

- Bloomberg Indices
- CITI (FTSE)
- ICE BofA
- Morningstar
- NASDAQ Global Market

## USD

- Bloomberg Indices
- ICE BofA
- Morningstar

## GBP

- Bloomberg Indices
- iBoxx
- ICE BofA
- Morningstar
- NASDAQ Global Market

## CAD

- FTSE
- Bloomberg Indices
- ICE (BofA)
- Morningstar
- NASDAQ Global Market

## AUD

- ICE (BofA)
- Bloomberg Aus Bond Composite Index

## Green Bonds

- Bloomberg / MSCI
- JP Morgan
- Solactive

