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Annual Report of the **Canada Pension Plan** 2015–2016

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Employment and Social Development Canada (ESDC) is responsible for the administration of the Canada Pension Plan (CPP). This report is produced by ESDC in collaboration with Finance Canada, the Administrative Tribunals Support Service of Canada, the Canada Revenue Agency, the Office of the Superintendent of Financial Institutions and the CPP Investment Board.

For more details on subjects covered in this report, or about the CPP in general, please visit www.esdc.gc.ca

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His Excellency

The Governor General of Canada

May it please Your Excellency:

We have the pleasure of submitting the *Annual Report of the Canada Pension Plan* for the fiscal year 2015–16.

Respectfully,

The Honourable William Francis Morneau
Minister of Finance

The Honourable Jean-Yves Duclos
Minister of Families, Children
and Social Development

Canada

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Over the 50 years since its inception on January 1, 1966, the Canada Pension Plan (CPP) has been guided by the principle that all working Canadians deserve the opportunity to retire with dignity.

This principle continues to inspire Canada's governments, which, as joint stewards of the CPP, have come to a historic agreement to enhance the Plan, ensuring that future generations of Canadians can count on a strong public pension system in their retirement years.

Once it is fully phased in, the enhanced CPP will replace one third of the pensionable earnings of contributors, rather than the one quarter provided by the current CPP. It will also increase the band of earnings protected by the CPP by raising the maximum earnings limit by 14 percent. As a result of these changes, the enhanced CPP will provide up to 50 percent more income for future retirees.

Helping Canadians achieve a safe, secure and dignified retirement is a central part of the Government of Canada's plan to support the middle class and those working hard to join it. A stronger CPP is a core component of this plan, and we are very proud of the collaboration with provincial colleagues to improve the retirement income security of current and future generations.

While this historic agreement represents a significant reform for contributors and beneficiaries in the 50-year history of the CPP, it is just one example of how the Plan has adapted over time to respond to the evolving needs of Canadians. As can be seen in the infographic, the CPP has kept pace with societal and economic changes. It remains an important part of the lives of Canadians by protecting eligible contributors and their families in the event of the retirement, death or disability of the contributor.

Today, the CPP is respected internationally and, together with Old Age Security and Guaranteed Income Supplement benefits, widely credited with reducing the rate of poverty among Canadian seniors. In 2015–16, the CPP paid out \$40.8 billion in benefits to support a safe, secure and dignified retirement for 5.5 million Canadians.

CPP assets are managed by the Canada Pension Plan Investment Board (CPPIB), a professional investment management organization that operates at arm's length from governments and independently of the CPP.

Canada

The CPPIB's mandate is to invest in the best interests of CPP contributors and beneficiaries and to maximize investment returns without undue risk of loss. The CPPIB has been acclaimed by international bodies such as the World Bank as a model of an independent, transparent and accountable public pension fund management organization.

On March 31, 2016, the CPP Fund, managed by the CPPIB, totalled \$278.9 billion. The CPP Fund is ranked as one of the 10 largest retirement funds in the world, allowing the CPPIB to undertake large transactions with which few others can compete. For the 10-year period ending March 31, 2016, the CPP Fund has netted cumulative investment income of \$125.6 billion for its beneficiaries, \$9.1 billion during 2015–16 alone, after all CPPIB costs. The Fund has also realized a 6.8 percent annualized net nominal rate of return over the same 10-year period.

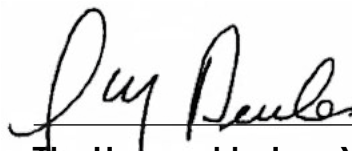
In his September 2016 report to Parliament, the Chief Actuary of Canada confirmed that the CPP remains sustainable at its current benefit and contribution levels for at least the next 75 years.

It is with profound respect and gratitude that we acknowledge those who have worked to forge the CPP into what we know today.

The CPP's 50th anniversary offers us a tremendous occasion to celebrate the Plan's successes, and to extend our thanks to our provincial and territorial colleagues for their important contributions to the future of the CPP and to the retirement security of current and future generations, as well as to thank Canadians for supporting us in our efforts.



The Honourable William Francis Morneau
Minister of Finance



The Honourable Jean-Yves Duclos
Minister of Families, Children
and Social Development

CANADA PENSION PLAN TURNS 50!

1966



Inception of the Plan: Canadians start contributing to the CPP

1974



Introduction of Indexation: Benefits are increased annually with the cost-of-living to protect their value

1975



Survivor benefits are made equally available to men and women

1976



Canadians start receiving full CPP retirement pensions following the 10-year phase-in

1987



Flexible Retirement Introduced: Canadians can now take a reduced pension as early as age 60, and gain an increased pension for deferring up to age 70

1998



Sustainability Reforms: Major reform of the CPP to restore the Plan to a sustainable footing. Includes the creation of the CPP Investment Board to manage funds not required to pay immediate benefits

2000



Same-sex common law partners are recognized

2002



The online Canadian Retirement Income Calculator is introduced to help Canadians plan for retirement

2013



The CPP reaches full maturity. All new CPP beneficiaries will now have been covered by the Plan for their entire working lives

2012



PRB Introduced: The Post-Retirement Benefit is created, allowing working CPP beneficiaries under 70 to increase their retirement income by continuing to participate in the Plan

2015



The new, improved Canadian Retirement Income Calculator is introduced, making it even easier for Canadians to plan for retirement

2015



Online Application: Most CPP contributors can now complete all steps of a CPP application online

2016



Canada's Finance Ministers agree to strengthen the CPP for future generations and legislation is passed to enact the agreement



50TH Anniversary of the CPP

2015–16 at a Glance

- The maximum pensionable earnings of the Canada Pension Plan (CPP) increased from **\$53,600** in 2015 to **\$54,900** in 2016. The contribution rate remained unchanged at **9.9 percent**.
- CPP contributions totalled **\$46.1 billion** this year.
- **5.5 million** CPP beneficiaries were paid, representing a total annual benefit value of **\$40.8 billion**.
- **4.7 million** CPP retirement pensioners were paid **\$31.4 billion** this year.
- **1.1 million** surviving spouses or common-law partners and **65,000** children of deceased contributors were paid **\$4.6 billion** this year.
- **332,000** people with disabilities and **82,000** of their children were paid **\$4.3 billion** this year.
- **150,000** recipients of death benefits were paid **\$347 million** this year.
- **954,000** post-retirement beneficiaries were paid **\$242 million** this year.
- Operating expenses amounted to **\$1.4 billion**, or **3.47 percent** of the **\$40.8 billion** in benefits.
- As at March 31, 2016, total CPP net assets were valued at **\$283.6 billion**, of which **\$278.9 billion** is managed by the CPP Investment Board.

Note: Figures above have been rounded. A beneficiary may receive more than one type of benefit.



Canada Pension Plan in Brief

Most employees in Canada over the age of 18 contribute either to the CPP or to its sister plan, the Quebec Pension Plan (QPP).

The CPP is managed jointly by the federal and provincial governments. Quebec manages and administers its own comparable plan, the QPP, and participates in decision-making for the CPP. Benefits from either plan are based on pension credits accumulated under both plans.

For more information on the QPP, visit the [Retraite Québec website](#).

Contributions

The CPP is financed through investment income and through mandatory contributions from employees, employers and those who are self-employed.

Workers start contributing to the Plan at age 18, or from the Plan's beginning in 1966, whichever is later. The first \$3,500 of annual earnings is exempted from contributions. Contributions are then made on earnings between \$3,500 and \$54,900, which is the earnings ceiling for 2016.

Employees contribute at a rate of 4.95 percent, and employers match that with equal contributions. Self-employed individuals contribute at the combined rate for employees and employers of 9.9 percent on net business income, after expenses.

While many Canadians associate the CPP with retirement pensions, the CPP also provides disability, death, survivor, children's and post-retirement benefits. The CPP administers the largest long term disability plan in Canada. It pays monthly benefits to eligible contributors with a disability and also to their dependent children.

Most benefit calculations are based on how much and for how long a contributor has paid into the CPP and, in some cases, the age of the beneficiary. With the exception of the post-retirement benefit, benefits are not paid automatically—everyone must apply.

Contributions for 2016	
Year's maximum pensionable earnings	\$54,900.00
Year's basic exemption	\$3,500.00
Year's maximum contributory earnings	\$51,400.00
Year's maximum employee/employer contribution (4.95%)	\$2,544.30
Year's maximum self-employed person's contribution (9.9%)	\$5,088.60



2016

Beneficiaries and Benefit Expenditures

Given the aging of our population, the number of people receiving CPP benefits has increased steadily over the past decade. As a result, expenditures on benefits have also increased. Figure 1 shows the increase in beneficiaries and expenditures between 2014–15 and 2015–16; Figure 2 shows the percentage of expenditures by type of benefit.

Figure 1: CPP – Beneficiaries and benefit expenditures by fiscal year

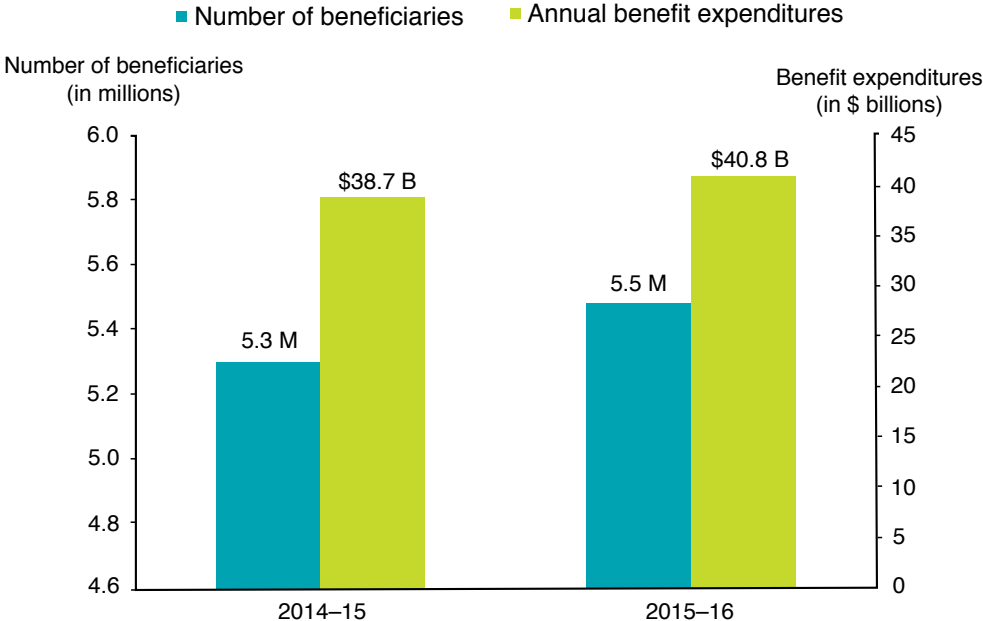
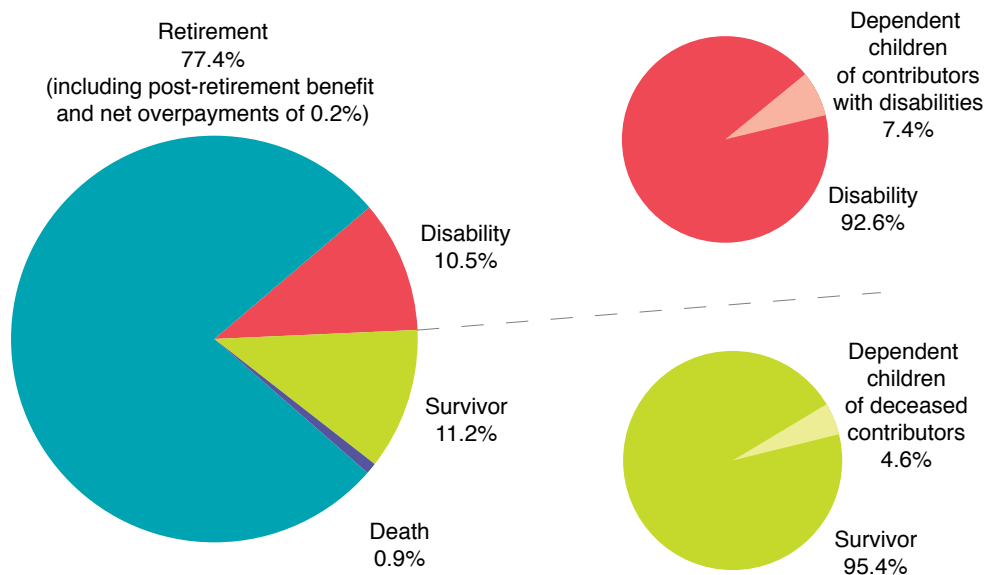


Figure 2: CPP – Percentage of expenditures by benefit type in 2015–16



Retirement Pensions

To begin receiving a retirement pension, the applicant must have made at least one valid contribution to the Plan and must have reached the age of 60.

Retirement pensions represent 77 percent (\$31.4 billion) of the total benefit amount paid out (\$40.8 billion) by the CPP in 2015–16. The amount of contributors' pensions depends on how much and for how long they have contributed and at what age they begin to receive the benefits. In 2016, the maximum monthly retirement pension at age 65 was \$1,092.50. The average monthly payment in 2015–16 was \$552.64.

Adjustments for Early and Late Receipt of a Retirement Pension

Canadians are living longer and healthier lives, and the transition from work to retirement is increasingly diverse. The CPP offers flexibility for older workers who are making the transition to retirement.

CPP contributors can choose the right time to start receiving their retirement pension based on their individual circumstances and needs. Contributors have the flexibility to take their retirement pension earlier or later than the standard age of 65. In order to ensure fair treatment of contributors and beneficiaries, those who take their retirement pension after age 65 receive a higher amount. This adjustment reflects the fact that these beneficiaries will, on average, make contributions to the CPP for a longer period of time but receive their benefits for a shorter period of time. Conversely, those who take their retirement pension before age 65 receive a reduced amount, reflecting the fact that they will, on average, make contributions to the CPP for a shorter period of time but receive their benefits for a longer period of time.

Retirement Pension Taken Before Age 65

For individuals who start receiving their retirement pension before age 65, the amount of their pension is permanently reduced by 0.6 percent per month. This means that a contributor who starts receiving a retirement pension at age 60 receives an annual retirement pension which is 36 percent less than if it were taken at age 65.

Retirement Pension Taken After Age 65

For individuals who start receiving their retirement pension after age 65, the amount of their pension is permanently increased by 0.7 percent per month that they delay. This means that a contributor who delays receiving a retirement pension until age 70 receives an annual retirement pension which is 42 percent higher than if it were taken at age 65.

Post-Retirement Benefits

The post-retirement benefit allows CPP retirement pension beneficiaries who keep working to increase their retirement income by continuing to participate in the CPP, even if they are already receiving the maximum CPP retirement pension.

For Canadians between the ages of 60 and 64 who receive a CPP or QPP retirement pension and work outside of Quebec, the CPP contributions toward the post-retirement benefit are mandatory, while those between the ages of 65 and 70 who receive the retirement benefit while working can choose whether to continue contributing.

No contributions are made after age 70. Contributions toward the post-retirement benefit do not create eligibility for or increase the amount of other CPP benefits.

For a working beneficiary, each year of contributions results in a post-retirement benefit, which is payable the following year. It is added to any previously earned post-retirement benefits. The amount of these benefits increases with the cost of living and is payable until the death of the contributor.

In 2015–16, 954,000 CPP retirement pensioners received a total of \$242 million in post-retirement benefits. The maximum monthly benefit amount at age 65 for 2016 was \$27.31. The average monthly payment in 2015–16 was \$11.94.

Disability Benefits

The disability pension provides partial earnings replacement to CPP contributors who cannot work due to a severe and prolonged disability resulting from a physical or mental condition. Dependent children of disabled beneficiaries may also be eligible for children's benefits.

In 2015–16, a total of \$4.3 billion in benefits were paid to 332,000 disabled beneficiaries and to 82,000 children of disabled beneficiaries. These benefits represented approximately 11 percent of the total benefits paid out by the CPP in 2015–16.

The disability pension includes a monthly flat rate, which was \$471.43 in 2016. It also includes an earnings-related portion, which is 75 percent of the retirement pension that would have been earned had the contributor not become disabled. In 2016, the maximum disability benefit was \$1,290.81 per month. The average monthly payment in 2015–16 was \$880.56.

The benefit paid to dependent children of disabled beneficiaries is a flat rate. In 2016, the amount was \$237.69 per month. To be eligible, children must be either under age 18, or between ages 18 and 25 and in full-time attendance at school or university.

Survivor Benefits

Survivor benefits are paid to the surviving spouse or common-law partner of the contributor and his or her dependent children. The benefit amount varies depending on a number of factors, including the age of the surviving spouse or common-law partner at the time of the contributor's death and whether the survivor also receives other CPP benefits.

In 2015–16, there were 1.1 million survivors and 65,000 children of deceased contributors receiving benefits. In 2015–16, survivor benefits represented 11 percent (\$4.6 billion) of the total benefits paid out by the CPP.

The maximum survivor's pension for those under age 65 was \$593.62 per month in 2016. This includes a flat-rate portion of \$183.93 and an earnings-related portion, which is 37.5 percent of the deceased contributor's retirement pension. The maximum monthly amount at age 65 and over was \$655.50, consisting of 60 percent of the deceased contributor's retirement pension. For 2015–16, the average monthly payment for all survivor pensions was \$330.45.

The benefit paid to dependent children of deceased contributors is a flat rate. In 2016, the amount was \$237.69 per month. To be eligible, children must be either under age 18, or between ages 18 and 25 and in full-time attendance at school or university.

Death Benefits

The CPP death benefit is a lump-sum payment that amounts to six times the amount of the deceased contributor's monthly retirement pension, up to a maximum of \$2,500. In 2015–16, death benefit payments represented nearly 1 percent of the total benefits paid out by the CPP. The average payment was \$2,298 in 2015–16.

Benefit Summary

The table below summarizes the maximum and average monthly amounts paid to beneficiaries by benefit type.

Benefit type	Maximum monthly amount for 2016	Average monthly amount (in 2015–16)
Retirement pension	\$1,092.50*	\$552.64
Post-retirement benefit	\$27.31*	\$11.94
Disability benefit	\$1,290.81	\$880.56
Survivor benefit	\$655.50	\$330.45
Death benefit (one-time payment)	\$2,500.00	\$2,298.00
* at age 65		

Provisions

The CPP includes provisions that help to compensate for periods when individuals may have relatively low or no earnings. Dropping periods of low or no earnings from the calculation of average earnings increases the amount of one's CPP benefit.

General Drop-Out

The general drop-out provision helps to offset periods of low or no earnings due to unemployment, schooling or other reasons. As a result, this increases the benefit amount for most people. For benefits starting in 2014 and thereafter, up to 17 percent of lowest earnings, representing a maximum of eight years, can be dropped from the benefit calculation.

Child Rearing Provision

The child rearing provision excludes from the calculation of benefits the periods during which contributors remained at home, or reduced their participation in the workforce, to care for children under the age of seven. Until the child reaches seven years of age, every month following the birth of the child can be excluded from the benefit calculation, provided the contributor meets all criteria including low or no earnings. The provision may also assist those applying for survivor or disability benefits in meeting the contributory requirements for benefit eligibility.

Disability Exclusion

Periods during which individuals are disabled in accordance with the CPP or QPP legislation are not included in their contributory period. This ensures that individuals who are not able to pursue any substantially gainful work are not penalized.

Over-65 Drop-Out

This provision may help to increase the benefit amounts of workers who continue to work and make CPP contributions after reaching age 65, but do not yet receive the CPP retirement pension. It allows periods of relatively low earnings before age 65 to be replaced by higher earnings after age 65.

Features

The CPP also includes many progressive features that recognize family and individual circumstances. These features include pension sharing, credit splitting, portability and indexation.

Pension Sharing

Pension sharing allows spouses or common-law partners who are together and receiving their CPP retirement pensions to share a portion of each other's pensions. This feature also allows one pension to be shared between them even if only one person has contributed to the Plan. The amount that is shared depends on the time the couple has lived together and their joint CPP contributory period. Pension sharing affords a measure of financial protection to the lower-earning spouse or common-law partner. Also, while it does not increase or decrease the overall pension amount paid, it may result in tax savings. Each person is responsible for any income tax that may be payable on the pension amount they receive.

Credit Splitting

When a marriage or common-law relationship ends, the CPP credits accumulated by the couple during the time they lived together can be divided equally between them, if requested by or on behalf of either spouse or common-law partner. This is called "credit splitting." Credits can be split even if only one partner contributed to the Plan. Credit splitting may increase the amount of CPP benefits payable, or even create eligibility for benefits.

Credit splitting permanently alters the Record of Earnings, even after the death of a former spouse or common-law partner.

Portability

No matter how many times workers change jobs, and no matter in which province they work, CPP and QPP coverage is uninterrupted.

Indexation

CPP payments are indexed to the cost of living. Benefit amounts are adjusted in January of each year to reflect increases in the Consumer Price Index published by Statistics Canada. As CPP beneficiaries age, the value of their CPP benefit is protected against inflation.

International Agreements

Many individuals have lived or worked in Canada and in other countries. Consequently, Canada has entered into social security agreements with other countries to help people in Canada and abroad to qualify for CPP benefits and pensions from partner countries. Furthermore, social security agreements enable Canadian companies and their employees who are sent to work temporarily outside the country to maintain their CPP coverage and eliminate the need to contribute to the social security program of the other country for the same work.

As of March 31, 2016, Canada has social security agreements in force with 57 countries. In addition, social security agreements with China and Peru have been signed and will enter into force once the legislative and policy approval process has been completed. Negotiations towards social security agreements are ongoing with many other countries. The names of countries with which Canada has concluded social security agreements are listed in the following table.



Country name	Date of agreement	Country name	Date of agreement
Antigua and Barbuda	January 1, 1994	Latvia	November 1, 2006
Australia	September 1, 1989	Lithuania	November 1, 2006
Austria	November 1, 1987	Luxembourg	April 1, 1990
Barbados	January 1, 1986	Malta	March 1, 1992
Belgium	January 1, 1987	Mexico	May 1, 1996
Brazil	August 1, 2014	Morocco	March 1, 2010
Bulgaria	March 1, 2014	Netherlands	October 1, 1990
Chile	June 1, 1998	New Zealand	May 1, 1997
Croatia	May 1, 1999	Norway	January 1, 1987
Cyprus	May 1, 1991	Philippines	March 1, 1997
Czech Republic	January 1, 2003	Poland	October 1, 2009
Denmark	January 1, 1986	Portugal	May 1, 1981
Dominica	January 1, 1989	Republic of Macedonia	November 1, 2011
Estonia	November 1, 2006	Romania	November 1, 2011
Finland	February 1, 1988	Saint Lucia	January 1, 1988
France	March 1, 1981	Saint Vincent and the Grenadines	November 1, 1998
Germany	April 1, 1988	Serbia	December 1, 2014
Greece	May 1, 1983	Slovak Republic	January 1, 2003
Grenada	February 1, 1999	Slovenia	January 1, 2001
Hungary	October 1, 2003	St. Kitts and Nevis	January 1, 1994
Iceland	October 1, 1989	Spain	January 1, 1988
India	August 1, 2015	Sweden	January 1, 1986
Ireland	January 1, 1992	Switzerland	October 1, 1995
Israel*	September 1, 2003	Trinidad and Tobago	July 1, 1999
Italy	January 1, 1979	Turkey	January 1, 2005
Jamaica	January 1, 1984	United Kingdom*	April 1, 1998
Japan	March 1, 2008	United States of America	August 1, 1984
Jersey and Guernsey	January 1, 1994	Uruguay	January 1, 2002
Korea	May 1, 1999		
<p>* The social security agreements with China, Israel and the United Kingdom provide an exemption from the obligation to contribute to the social security system of the other country for employers and their employees temporarily posted abroad. These agreements do not contain provisions concerning eligibility for pension benefits.</p>			

Collecting and Recording Contributions

All CPP contributions are remitted to the Canada Revenue Agency (CRA). The CRA also assesses and verifies earnings and contributions, advises employers and employees of their rights and responsibilities, conducts audits and reconciles reports and T4 slips. To verify that contribution requirements are met, the CRA applies a compliance and enforcement process that can vary from a computerized data match to an on-site audit.

As of March 31, 2016, there were 1,720,993 existing employer accounts. In 2015–16, the CRA conducted 56,258 examinations to promote compliance with the requirements to withhold, report and remit employer source deductions. Employers and employees account for approximately 95 percent of contributions, and the remaining 5 percent comes from the self-employed. In 2015–16, contributions amounted to \$46.1 billion.



Services to Contributors and Beneficiaries

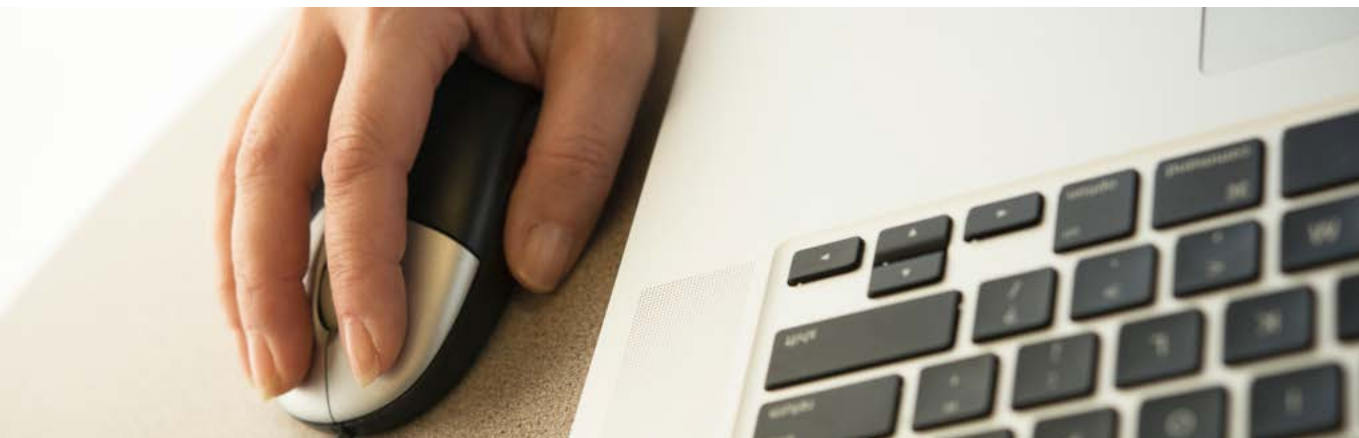
Within Employment and Social Development Canada, Service Canada is the Government of Canada's one-stop service delivery network. In partnership with other departments, it provides Canadians with easy access to a growing range of government programs and services.

In 2015–16, Service Canada continued its efforts to ensure that eligible Canadians are receiving public pension benefits to which they are entitled, and to encourage Canadians to actively plan and prepare for their own retirement. Information on the CPP is available in print, on the Internet, in person at local offices, by phone and at electronic kiosks in government offices and public buildings.

Service Canada promotes the use of online services through:

- targeted mailing of inserts, including seasonal mailing such as at tax-filing season;
- messaging added to correspondence to citizens;
- improved navigation to online services through the Service Canada home page;
- messaging promoted through the new Government of Canada webpages; and
- messaging provided by staff who speak to clients from in-person and call centre channels.

Service Canada is advancing its e-service agenda through enhancements in the secure online My Service Canada Account with the objective of enhancing electronic service offerings. CPP clients can easily access their personal information securely online. My Service Canada Account provides a single point of access for users to apply for a CPP retirement pension. In June 2015, Service Canada implemented and launched a fully automated online CPP retirement application, eliminating the



ink-based signature requirements for the CPP. At the end of 2015–16, approximately 68,400 individuals, representing 25 percent of all applications, applied for their CPP retirement pension online.

CPP beneficiaries can make enquiries, conduct transactions and, if they live in Canada, update their mailing address, phone numbers and direct deposit information online. Further, CPP beneficiaries can also view and print copies of their tax slips for the current year and the previous six years. More information is available by visiting <https://www.canada.ca/en/employment-social-development/corporate/contact/cpp.html>.

CPP contributors can view and print an official copy of their Statement of Contributions by visiting <https://www.canada.ca/en/services/benefits/publicpensions/cpp/statement-contributions.html>. Contributors can also use this online service to request that copies of their Statement of Contributions be issued by mail.

Currently underway is the development of a multi-year Service Improvement Strategy for the CPP. This strategy, among other activities, will help streamline business operations, enhance e-service delivery and increase processing automation.

Processing Benefits

In 2015–16, Service Canada met all of the service standards relating to the processing of CPP benefits.

In 2015–16, Service Canada processed approximately 276,000 applications for retirement benefits, and 95 percent of these benefits were paid within the first month of entitlement (see Table 1).

During the same period, Service Canada also processed approximately 66,000 initial applications for disability benefits. Decisions were made on 86 percent of these initial applications within 120 calendar days of receipt of the completed application.

Reconsiderations

Clients who are not satisfied with an initial decision on their CPP application may ask the Minister of Families, Children and Social Development to reconsider (or administratively review) the decision.

In 2015–16, Service Canada issued approximately 14,100 reconsiderations of decisions related to CPP benefits, division of pension credits and pension sharing. Of these reconsidered decisions, 65 percent were upheld while 35 percent were reversed.

The majority of reconsideration requests pertain to disability pension applications. Of all the reconsideration requests, Service Canada issued approximately 12,200 reconsiderations of decisions related to disability benefits. Eighty-one percent of all reconsideration decisions were made within 120 calendar days of receipt of the request.

A continued strong emphasis on communication with clients and their physicians helped Service Canada staff make well-informed decisions and helped disability applicants better understand the reasons for those decisions.

Service standard	National objective	2015–16 National result
CPP retirement applications Pay benefits within the first month of entitlement	90%	95%
CPP disability (initial decisions) Make an initial decision within 120 calendar days of receipt of a complete application	75%	86%
CPP disability (reconsideration decisions) Make a reconsideration decision within 120 calendar days of receipt of a request for a reconsideration	70%	81%

In February 2016, the Auditor General tabled a report on the Canada Pension Plan Disability (CPPD) program, which made several recommendations to address concerns with the initial application process, the timeliness of decisions, the consistency and quality of decisions, and the timeliness of appeals decided by the Social Security Tribunal of Canada.

The Department's Management Response to the Auditor General's report agreed with all of the audit's recommendations for action. In addition to addressing the specific commitments to improving the accessibility and responsiveness of the program to meet the needs of Canadians with severe and prolonged disabilities, a comprehensive renewal of CPPD has been underway since the summer of 2015.

The CPPD renewal is guided by the principles of service excellence, including quality, consistency, accuracy and efficiency. Short-term foundational improvements to the CPPD program will enable longer-term transformation projects intended to produce a well functioning, high-quality, e-accessible program.



1966

Appeals Process

Clients who are not satisfied with the Minister's reconsidered decision may appeal to the Social Security Tribunal of Canada.

The Tribunal is an independent administrative body that makes quasi-judicial decisions on appeals related to the *Canada Pension Plan*, the *Old Age Security Act* and the *Employment Insurance Act*.

The Tribunal began its operations on April 1, 2013, and was created to simplify and streamline income security and Employment Insurance appeal processes by offering a single point of contact for all cases.

The Tribunal is divided into two separate divisions: a **General Division** and an **Appeal Division**. All decisions are made by individual members of the Tribunal. The General Division includes two sections:

1. The Income Security Section makes decisions on appeals from decisions of Employment and Social Development Canada related to the *Canada Pension Plan* and *Old Age Security Act*; and
2. The Employment Insurance Section makes decisions on appeals from decisions of the Canada Employment Insurance Commission related to the *Employment Insurance Act*.

The Appeal Division reviews the decisions issued by both sections of the General Division.

- **General Division, Income Security Section**

In 2015–16, the Income Security Section of the General Division received 3,851 new appeals related to CPP benefits. As of March 31, 2016,¹ 6,646 CPP appeals have been concluded.

- **Appeal Division, Income Security Cases**

In 2015–16, the Appeal Division received 599 new cases related to CPP benefits from the Income Security Section of the General Division. As of March 31, 2016,² 707 appeals related to CPP benefits have been concluded.

¹ The 6,646 appeals concluded as at March 31, 2016, include cases received in fiscal years 2013–14, 2014–15 and 2015–16.

² The 707 appeals concluded as at March 31, 2016, include cases received in fiscal years 2013–14, 2014–15 and 2015–16.

Ensuring Program Integrity

To ensure the accuracy of benefit payments, the security and privacy of personal information and the overall quality of service, Employment and Social Development Canada (ESDC) continues to enhance the efficiency, accuracy and integrity of its operations.

Meeting the expectations of Canadians—that government services and benefits be delivered to the right person, for the right amount, for the intended purpose and at the right time—is a cornerstone of ESDC’s service commitment. Enhanced and modernized integrity-related activities within the CPP program are essential to meeting these expectations and ensuring the public’s trust and confidence in the effective management of this program.

These activities consist of risk-based analysis measures, which ensure that appropriate and effective controls are in place and that the causes of incorrect payments are understood. Integrity-related activities also include reviews of benefit entitlements and investigations to address situations in which clients are receiving benefits to which they are not entitled.

Integrity-related activities also detect and correct existing incorrect payments, reduce program costs by preventing incorrect payments and identify systemic impediments to clients receiving their correct and full benefit entitlement.

As part of its effort to address overpayment situations, ESDC investigates suspected client error and fraud. By recovering overpayments and preventing future incorrect payments, these activities resulted in \$10.5 million in accounts receivable as overpayments and prevented an estimated \$8.8 million from being incorrectly paid in 2015–16. A further estimated \$64.6 million has been prevented from being incorrectly paid for future years after 2015–16. The recovered overpayments are credited to the CPP, thereby helping to maintain the long-term sustainability of the Plan.

In 2011, ESDC adopted the Identity Management Policy, which aims to enhance program integrity while safeguarding and streamlining identity management processes in a manner that mitigates risks to personal and organizational security, and enables well-managed, citizen-centered service delivery. After five years in effect, the Identity Management Policy was recently modernized to, in part, better reflect the realities and authorities of existing programs.

The Identity Management Policy provides guiding principles for ESDC organizations delivering services, benefits or programs, including the CPP. It assists them in the implementation of sound identity management practices across multiple service delivery channels (in-person, phone, mail and online).

The Identity Management Policy also helps reduce costs, inefficiencies and the risk of errors, as well as improve the service experience for CPP clients. The mitigation of risks associated with false or inaccurate claims regarding the true identity of an individual or an organization is fundamental to the integrity of the CPP program.



2016

Ensuring Financial Sustainability

As joint stewards of the CPP, the federal and provincial Ministers of Finance review the CPP's financial state every three years and make recommendations as to whether benefits and/or contribution rates should be changed. This process is referred to as the CPP triennial review. They base their recommendations on a number of factors, including the results of an examination of the CPP by the Chief Actuary. The Chief Actuary is required under the legislation to produce an actuarial report on the CPP every three years (in the first year of the legislated ministerial triennial review of the Plan). The CPP legislation also provides that, upon request from the Minister of Finance, the Chief Actuary prepares an actuarial report any time a Bill is introduced in the House of Commons that has, in the view of the Chief Actuary, a material impact on the estimates in the most recent triennial actuarial report. This reporting ensures that the long-term financial implications of proposed Plan changes are given timely consideration by the Ministers of Finance.

The results of the last triennial review (2013–2015) by the federal and provincial Ministers of Finance were announced by the federal Minister of Finance in Part I of the *Canada Gazette* on January 30, 2016. The review confirmed that the current contribution rate of 9.9 percent is expected to be sufficient to financially sustain the CPP over the long term, based on the conclusions of the *Twenty-sixth Actuarial Report on the Canada Pension Plan*. Canadians can count on the CPP to be there for them when they retire.

To read the conclusions of the 2013–2015 triennial review in Part I of the *Canada Gazette* of January 30, 2016, visit <http://www.gazette.gc.ca/rp-pr/p1/index-eng.html>.

Changes to the CPP legislation governing the level of benefits, the rate of contributions or the investment policy framework can be made only through an Act of Parliament. Any such changes also require the agreement of at least two-thirds of the provinces, representing at least two-thirds of the population of all the provinces. The changes come into force only after a notice period, unless all of the provinces waive this requirement, and only after provincial Orders in Council have provided formal consent by the provinces to the federal legislation enacting the changes. Quebec participates in decision-making regarding changes to the CPP legislation to ensure a high degree of portability of QPP and CPP benefits across Canada.

Actuarial Reporting

The *Twenty-sixth Actuarial Report on the Canada Pension Plan* presents the financial status of the CPP as of December 31, 2012, and takes into account the recent changes to modernize the Plan, as well as the actual demographic and economic trends since December 31, 2009. According to the Report, the CPP is expected to meet its obligations and remain financially sustainable over the long term under the current contribution rate of 9.9 percent.

A panel of three independent Canadian actuaries, selected by the United Kingdom Government Actuary's Department (GAD) through an arm's length process, reviewed the *Twenty-sixth Actuarial Report on the Canada Pension Plan*. The external panel's findings confirmed that the work performed by the Office of the Chief Actuary on the Report met all professional standards of practice and statutory requirements, and stated that the assumptions and methods used were reasonable. In addition to these main conclusions, the panel made a number of recommendations regarding the preparation of future actuarial reports. The recommendations dealt with various aspects of the reporting process including data, methodology, assumptions and communication of results. The GAD concluded that the opinions given by the panel adequately addressed all the main issues. As a result, Canadians can have confidence in the results of the *Twenty-sixth Actuarial Report on the Canada Pension Plan* and the conclusions reached by the Chief Actuary about the long-term financial sustainability of the Plan.

To view the CPP's actuarial reports, reviews and studies, visit the [Office of the Superintendent of Financial Institutions website](#).

Funding Approach

When it was introduced in 1966, the CPP was designed as a pay-as-you-go plan with a small reserve. This meant that the benefits for one generation would be paid largely from the contributions of later generations. This approach made sense under the demographic and economic circumstances of the time, due to the rapid growth in wages, labour force participation and the low rates of return on investments.

However, demographic and economic developments, as well as changes to benefits and an increase in disability claims in the following three decades, resulted in significantly higher costs.

When federal, provincial and territorial Ministers of Finance began their review of the CPP's finances in 1996, contribution rates, already legislated to rise to 10.1 percent by 2016, were expected to rise again—to 14.2 percent by 2030—to continue to finance the CPP on a pay-as-you-go basis. Financing the CPP on the same basis as in the past would have meant imposing a heavy financial burden on the future Canadian workforce. This was deemed unacceptable by the participating governments.

Amendments were therefore made in 1998 to gradually raise the level of CPP funding. Changes were implemented to: increase the contribution rates over the short term; reduce the growth of benefits over the long term; and invest cash flows not needed to pay benefits in the financial markets through the CPP Investment Board in order to achieve higher rates of return. A further amendment was included to ensure that any increase in benefits or new benefits provided under the CPP would be fully funded. The reform package agreed to by the federal and provincial governments in 1997 included:

- The introduction of steady-state funding – This replaced pay-as-you-go financing to build a reserve of assets and stabilize the ratio of assets to expenditures over time. According to the *Twenty-sixth Actuarial Report on the Canada Pension Plan*, the level of assets under steady-state funding is projected to stabilize at a level equal to about five years of expenditures. Investment income from this pool of assets will help pay benefits as the large cohort of baby boomer retirees. Steady-state funding is based on a constant rate that finances the CPP without the full-funding requirement for increased or new benefits. The steady-state rate was determined to be 9.84 percent for 2016 and thereafter in the *Twenty-sixth Actuarial Report on the Canada Pension Plan*.
- The introduction of incremental full funding – This means that changes to the CPP that increase or add new benefits will be fully funded. In other words, benefit costs are paid as the benefit is earned, and any costs associated with benefits that are already earned and not paid for are amortized and paid for over a defined period of time, consistent with common actuarial practice. In the *Twenty-sixth Actuarial Report on the Canada Pension Plan*, the full-funding rate, in respect of amendments made to the Plan in 2008, was determined to be 0.01 percent for 2013 and thereafter. According to CPP regulations regarding the calculation of the Plan's contribution rates, if the full-funding rate is less than 0.02 percent, then it is deemed to be zero. As a result, the full-funding rate under the *Twenty-sixth Actuarial Report on the Canada Pension Plan* is deemed to be zero. The minimum contribution rate required to fund the CPP, which is the sum of the steady-state and full-funding rates, is thus equal to the steady-state rate of 9.84 percent for 2016 and thereafter.

Both of these funding objectives were introduced to improve fairness across generations. The move to steady-state funding eases some of the contribution burden on future generations. Under full funding, each generation that receives benefit enrichments is more likely to pay for them in full and not pass on the cost to future generations. These full-funding requirements were made operational through new regulations that came into effect with the passage of *An Act to amend the Canada Pension Plan and the Old Age Security Act (2008)*.

Financial Status

According to the financial projections of the *Twenty-sixth Actuarial Report on the Canada Pension Plan*, the annual amount of contributions paid by Canadians into the CPP is expected to exceed the annual amount of benefits paid out until 2023, and to be less than the amount of benefits thereafter. Funds not immediately required to pay benefits will be transferred to the CPP Investment Board for investment. Plan assets are expected to accumulate rapidly over this period and, over time, will help pay for benefits as more and more baby boomers begin to collect their retirement pensions. In 2023 and thereafter, as baby boomers continue to retire and benefits paid begin to exceed contributions, investment income from the accumulated assets will provide the funds necessary to make up the difference. However, contributions will remain the main source of funding for benefits.

If, at any time, the legislated contribution rate is lower than the minimum contribution rate, and if the Ministers of Finance do not recommend either to increase the legislated rate or maintain it, then legislative provisions would apply to sustain the CPP. An increase in the legislated rate would be phased in over three years, and benefit indexation would be suspended until the following triennial review. By law, any further enhancement of the CPP must be fully funded.

Financial Accountability

The CPP uses the accrual basis of accounting for revenues and expenditures. This method gives administrators a detailed financial picture and allows accurate matching of revenue and expenditures in the year in which they occur.

CPP Account

A separate account, the CPP Account, has been established in the accounts of the Government of Canada to record the financial elements of the CPP (i.e. contributions, interest, earned pensions and other benefits paid, as well as administrative expenditures). The CPP Account also records the amounts transferred to, or received from, the CPP Investment Board (CPPIB). Spending authority, as per section 108(4) of the CPP legislation, is limited to the CPP net assets. The CPP assets are not part of the federal government's revenues and expenditures.

In keeping with *An Act to amend the Canada Pension Plan and the Canada Pension Plan Investment Board Act*, which came into force on April 1, 2004, the CPPIB is responsible for investing the remaining funds after the CPP operational needs have been met. The CPP Account's operating balance is managed by the Government of Canada.

CPP Investment Board

Created by an Act of Parliament in 1997, the CPPIB is a professional investment management organization with a critical purpose—to help provide a foundation on which Canadians build financial security in retirement. The CPPIB invests the assets of the CPP not currently needed to pay retirement, disability and survivor benefits.

The CPPIB is accountable to Parliament and to the federal and provincial Ministers of Finance. However, the CPPIB is governed independently from the CPP, operating at arm's length from governments. Its headquarters are located in Toronto, with offices in Hong Kong, London, Luxembourg, Mumbai, New York and São Paulo.

The CPPIB's legislated mandate is to maximize investment returns without undue risk of loss, taking into account the factors that may affect the funding of the CPP and its ability to meet its financial obligations.

For more information on the CPPIB mandate, governance structure and investment policy, visit the [Canada Pension Plan Investment Board website](#).

CPP Assets and Cash Management

Pursuant to section 108.1 of the *Canada Pension Plan* and an administrative agreement between the CPP and the CPPIB, amounts not required to meet specified obligations of the CPP are transferred weekly to the CPPIB in order to gain a better return. The cash flow forecasts of the CPP determine the amount to be transferred to or from the CPPIB, and these forecasts are updated regularly.

ESDC continues to work closely with the CPPIB, various government departments and banks to coordinate these transfers and manage a tightly controlled process. A control framework is in place to ensure that the transfer process is followed correctly and that all controls are effective. For instance, ESDC obtains confirmation at all critical transfer points and can therefore monitor the cash flow from one point to the next.

CPP Net Assets

As at March 31, 2016, the CPP net assets totalled \$283.6 billion. The Government of Canada held \$4.7 billion to meet CPP financial needs. The remaining \$278.9 billion is managed by the CPPIB.

For the 10-year period ending March 31, 2016, the Fund held by the CPPIB had an annualized net nominal rate of return of 6.8 percent. Over that 10-year period, the CPPIB has contributed \$125.6 billion in net cumulative investment income to the fund, after all CPPIB costs.

Investing for Our Future

In terms of net assets, the CPP Fund ranks among the world's 10 largest retirement funds. In managing the fund, the CPPIB pursues a diverse set of investment programs that contribute to the long-term sustainability of the CPP.

In 2006, the CPPIB made the strategic decision to move away from index-based investments towards a more active investment approach in order to seek higher returns.

The CPPIB invests in public equities, private equities, bonds, private debt, real estate, infrastructure, agriculture and other investment areas. The CPPIB's investments have become increasingly international, as it diversifies risk and seeks growth opportunities in global markets. In doing so, the CPPIB applies its comparative advantages—scale, certainty of assets and a long investment horizon—to pursue the best investment opportunities in the world.

The CPPIB draws on internal expertise and partnerships with external investment managers to build its global portfolio.

CPPIB Reporting

The CPPIB reports on a quarterly basis. Legislation requires the CPPIB to hold public meetings at least every two years in each province, excluding Quebec, which operates the QPP.

The purpose of these meetings is for the CPPIB to present its most recent annual report and to provide the public with the opportunity to ask questions about the policies, operations and future plans of the CPPIB.

Other Expenses

CPP expenses consist of pensions and benefits paid, operating expenses and benefit overpayments as detailed in the CPP Consolidated Statement of Operations for the year ended March 31, 2016.

Operating Expenses

CPP operating expenses of \$1.414 billion in 2015–16 represent 3.47 percent of the \$40.8 billion in benefits paid. Table 2 presents the CPP’s operating expenses for the last two years.

Department/Agency/Crown Corporation	In millions of dollars	
	2015–16	2014–15
CPP Investment Board*	876	803
Employment and Social Development Canada	321	326
Canada Revenue Agency	175	173
Treasury Board Secretariat	17	17
Public Services and Procurement Canada	6	9
Administrative Tribunals Support Service of Canada	17	7
Office of the Superintendent of Financial Institutions (where the Office of the Chief Actuary is housed)/Finance Canada	2	2
Total	1,414	1,337

* The operating expenses for the CPPIB do not include the transaction costs and investment management fees since these are presented as part of net investment income (loss). For more details, refer to “Canada Pension Plan Consolidated Statement of Operations” and to the CPPIB’s Annual Report.

Overpayment of Benefits

Consistent with its mandate to manage the CPP effectively, ESDC has procedures in place to detect benefit overpayments. During 2015–16, overpayments totalling \$102 million were detected, \$74 million in overpayments were recovered and debts of \$5 million were forgiven. The above figures represent a net increase of \$23 million in the accounts receivable for the year.

Looking to the Future

Since it began in 1966, the CPP has continually adapted to social and economic changes in order to respond to the evolving needs of Canadians. Helping Canadians achieve their goal of a safe, secure and dignified retirement is a key part of the Government of Canada's plan to help the middle class and those working hard to join it. In this regard, on June 20, 2016, federal and provincial Ministers of Finance reached a historic agreement to enhance the CPP. Once fully in place, the CPP enhancement will increase the maximum CPP retirement benefit by about 50 percent. On October 6, 2016, the Government of Canada introduced legislation to implement the agreement, which will provide Canadians with a stronger public pension and help them retire in dignity. This legislation received Royal Assent on December 15, 2016. To read more about the enhancement to the CPP, visit [http:// www.fin.gc.ca/n16/data/16-113_3-eng.asp](http://www.fin.gc.ca/n16/data/16-113_3-eng.asp).

Given the increasing CPP workload volumes and changing service expectations of Canadians, Service Canada is implementing a CPP Service Improvement Strategy focused on improving client service and achieving efficiencies, while introducing new online options for clients to self-serve.

The *Twenty-seventh Actuarial Report on the Canada Pension Plan*, which was released on September 27, 2016, confirmed that the CPP is sustainable at the legislated contribution rate for at least the next 75 years. The Report also marks the beginning of the 2016–2018 triennial review of the CPP. The triennial reviews provide a window of opportunity to evaluate the financial state of the CPP and ensure the Plan continues to respond to changing demographic, societal or labour market needs.



Canada Pension Plan
Consolidated Financial Statements
for the year ended March 31, 2016

Canada Pension Plan Management's Responsibility for Financial Statements

The consolidated financial statements of the Canada Pension Plan are prepared in accordance with the legislation Canada Pension Plan (*Canada Pension Plan*) by the management of Employment and Social Development Canada. Management is responsible for determining that the applicable financial reporting framework is acceptable and is responsible for the integrity and objectivity of the information in the consolidated financial statements, including the amounts which must, of necessity, be based on best estimates and judgment. The significant accounting policies are identified in Note 2 to the consolidated financial statements. The financial information presented throughout the Annual Report is consistent with the consolidated financial statements.

To fulfill its accounting and reporting responsibilities, management has developed and maintains books of account, financial and management controls, information systems and management practices. These systems are designed to provide reasonable assurance that financial information is reliable, that assets are safeguarded and that transactions are properly authorized and recorded in accordance with the *Canada Pension Plan*, the *Canada Pension Plan Investment Board Act* and the *Financial Administration Act* and their accompanying regulations.

The Auditor General of Canada, the external auditor of the Canada Pension Plan, conducts an independent audit of the consolidated financial statements in accordance with Canadian generally accepted auditing standards and provides a report to the Minister of Families, Children and Social Development.



Alain P. Séguin, MBA, CPA, CGA
Chief Financial Officer
Employment and Social Development Canada



Louise Levonian
Deputy Minister
Employment and Social Development Canada

Gatineau, Canada
September 1, 2016



INDEPENDENT AUDITOR'S REPORT

To the Minister of Families, Children and Social Development

I have audited the accompanying consolidated financial statements of the Canada Pension Plan, which comprise the consolidated statement of financial position as at 31 March 2016, and the consolidated statement of operations, consolidated statement of changes in financial assets available for benefit payments and consolidated statement of cash flow for the year then ended, and a summary of significant accounting policies and other explanatory information. The consolidated financial statements have been prepared by management of the Canada Pension Plan using the basis of accounting described in Note 2 to the consolidated financial statements.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation of these consolidated financial statements in accordance with the basis of accounting described in Note 2 to the consolidated financial statements, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

My responsibility is to express an opinion on these consolidated financial statements based on my audit. I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

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

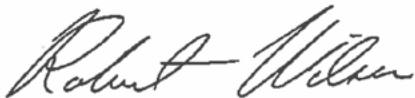
I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

Opinion

In my opinion, the consolidated financial statements of the Canada Pension Plan for the year ended 31 March 2016 are prepared, in all material respects, in accordance with the basis of accounting described in Note 2 to the consolidated financial statements.

Basis of Accounting

Without modifying my opinion, I draw attention to Note 2 to the consolidated financial statements, which describes the basis of accounting. The consolidated financial statements are prepared to comply with the financial reporting provisions of the *Canada Pension Plan* legislation. As a result, the consolidated financial statements may not be suitable for another purpose.

A handwritten signature in black ink, appearing to read "Robert Wilson". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Robert Wilson, CPA, CA
Principal
for the Auditor General of Canada

1 September 2016
Ottawa, Canada

Canada Pension Plan
Consolidated Statement of Financial Position
As at March 31

	2016	2015
	(in millions of dollars)	
Financial assets		
Cash (Note 3)	95	271
Receivables (Note 4)	5,100	5,325
Investments (Note 6)	345,319	318,481
Amounts receivable from pending trades (Note 6)	2,627	2,908
	353,141	326,985
Liabilities		
Payables and accrued liabilities (Note 8)	1,158	1,106
Investment liabilities (Note 6)	65,379	50,547
Amounts payable from pending trades (Note 6)	3,431	6,087
	69,968	57,740
Financial assets available for benefit payments	283,173	269,245
Non-financial assets		
Premises, equipment and others	402	370
Assets available for benefit payments	283,575	269,615
Actuarial obligation in respect of benefits (Note 14)		
Contractual obligations (Note 15)		
Contingent liabilities (Note 16)		

The accompanying notes are an integral part of these consolidated financial statements.

Approved by:



Alain P. Séguin, MBA, CPA, CGA
Chief Financial Officer
Employment and Social Development Canada



Louise Levonian
Deputy Minister
Employment and Social Development Canada

Canada Pension Plan
Consolidated Statement of Operations
for the year ended March 31

	Budget 2016 (Note 9)	Actual 2016 (in millions of dollars)	Actual 2015
Revenues			
Contributions	46,656	46,119	45,046
Net investment income (Note 10)			
Realized gains	-	11,521	8,797
Unrealized (losses) gains	-	(7,307)	27,208
Interest income	-	4,081	3,229
Dividend income	-	2,113	2,324
Other income	-	1,368	1,413
Transaction costs	-	(437)	(273)
Investment management fees	-	(1,330)	(1,254)
	10,710	10,009	41,444
	57,366	56,128	86,490
Expenses			
Pensions and benefits			
Retirement	32,096	31,407	29,582
Survivor	4,449	4,369	4,334
Disability	4,195	3,958	3,939
Disabled contributor's child	328	316	296
Death	335	347	312
Orphan	230	212	213
Post-Retirement	-	242	142
Net overpayments (Note 4)	-	(97)	(71)
	41,633	40,754	38,747
Operating expenses (Note 12)	1,220	1,414	1,337
	42,853	42,168	40,084
Net increase in assets available for benefit payments	14,513	13,960	46,406
Assets available for benefit payments, beginning of year	269,615	269,615	223,209
Assets available for benefit payments, end of year	284,128	283,575	269,615

The accompanying notes are an integral part of these consolidated financial statements.

Canada Pension Plan
Consolidated Statement of Changes in Financial Assets Available for
Benefit Payments
for the year ended March 31

	Budget 2016	Actual 2016	Actual 2015
	(Note 9)	(in millions of dollars)	
Net increase in assets available for benefit payments	14,513	13,960	46,406
Changes in non-financial assets	-	(32)	(43)
Increase in financial assets available for benefit payments	14,513	13,928	46,363
Financial assets available for benefit payments, beginning of year	269,245	269,245	222,882
Financial assets available for benefit payments, end of year	283,758	283,173	269,245

The accompanying notes are an integral part of these consolidated financial statements.

Canada Pension Plan
Consolidated Statement of Cash Flow
for the year ended March 31

	2016	2015
	(in millions of dollars)	
Operating activities		
Cash receipts		
Contributions	46,287	44,301
Dividends on investments	1,829	1,960
Interest on investments	3,949	3,235
Other investment income	1,376	1,223
Cash payments		
Pensions and benefits	(40,741)	(38,845)
Operating expenses	(1,299)	(1,121)
Investment management fees	(1,053)	(555)
Transaction costs	(446)	(241)
Payment of interest on debt	(39)	(130)
Cash flows from operating activities	9,863	9,827
Capital activities		
Acquisition of premises and equipment	(50)	(43)
Cash flows used in capital activities	(50)	(43)
Financing activities		
Issuance of debt	62,303	34,678
Repayment of debt	(55,691)	(34,614)
Cash flows from financing activities	6,612	64
Investing activities		
Purchases		
Equities	(214,319)	(161,599)
Real assets	(11,144)	(6,255)
Bonds	(375,214)	(274,391)
Money market securities and absolute return strategies	(4,910,894)	(3,331,176)
Other debt	(14,260)	(10,852)
Disposals		
Equities	220,927	150,246
Real assets	2,753	3,539
Bonds	361,636	275,690
Money market securities and absolute return strategies	4,915,750	3,340,393
Other debt	8,164	4,661
Cash flows used in investing activities	(16,601)	(9,744)
Net (decrease) increase in cash	(176)	104
Cash, beginning of year	271	167
Cash, end of year	95	271

The accompanying notes are an integral part of these consolidated financial statements.

Canada Pension Plan

Notes to Consolidated Financial Statements

for the year ended March 31, 2016

1. Authority, Objective and Responsibilities

a) Description of the Canada Pension Plan

The Canada Pension Plan (CPP) is a federal/provincial plan established by an Act of Parliament in 1965. The CPP is administered by the Government of Canada and the participating provinces.

The CPP began operations in 1966. It is a compulsory and contributory social insurance program operating in all parts of Canada except Quebec, which operates the Québec Pension Plan (QPP), a comparable program. The CPP's objective is to provide a measure of protection to workers and their families against the loss of earnings due to retirement, disability or death. The CPP is financed by contributions and investment returns. Employers and employees pay contributions equally to the CPP. Self-employed workers pay the full amount.

The Minister of Families, Children and Social Development is responsible for the administration of the CPP, under the *Canada Pension Plan*; the Minister of National Revenue is responsible for collecting contributions. The Minister of Finance and his provincial counterparts are responsible for setting CPP contribution rates, pension and benefit levels and funding policy. The CPP Investment Board (CPPIB) is responsible for managing the amounts that are being transferred under section 108.1 of the *Canada Pension Plan*. It acts in the best interests of the beneficiaries and contributors under the *Canada Pension Plan*.

In accordance with the *Canada Pension Plan*, the financial activities of the CPP are recorded in the CPP Account (Note 3). The financial transactions affecting the Account are governed by the *Canada Pension Plan* and its regulations. The CPP's investments are held by the CPPIB. The CPPIB was established pursuant to the *Canada Pension Plan Investment Board Act (CPPIB Act)*. The CPPIB is a federal Crown corporation and all of its shares are owned by Her Majesty the Queen in right of Canada.

The CPPIB's transactions are governed by the *CPPIB Act* and its accompanying regulations. The CPPIB's assets are to be invested with a view to achieving a maximum rate of return without undue risk of loss, with regard to the factors that may affect the funding of the CPP and its ability to meet its financial obligations on any given business day.

The CPPIB and its wholly-owned subsidiaries are exempt from Part I income tax under paragraphs 149(1)(d) and 149 (1)(d.2) of the *Income Tax Act (Canada)* on the basis that all of the shares of the CPPIB and its subsidiaries are owned by Her Majesty the Queen in right of Canada or by a corporation whose shares are owned by Her Majesty the Queen in right of Canada, respectively.

The CPPIB is designed to operate at arm's length from the government. It is required to be accountable to the public, Parliament (through the federal Minister of Finance) and the provinces. It provides regular reports of its activities and the results achieved. The financial statements of the CPPIB are audited annually by an external firm and are included in its annual report.

As stated in the *Canada Pension Plan* and *CPPIB Act*, changes to these Acts require the approval of at least two-thirds of the provinces that have, in the aggregate, not less than two-thirds of the population of all included provinces.

b) Pensions and Benefits

Retirement pensions – A retirement pension is payable to CPP contributors at age 60 or older, according to the provisions of the *Canada Pension Plan*. The monthly amount is equal to 25 percent of the contributor's average monthly pensionable earnings during the pensionable period. The amount is reduced or increased depending upon whether the contributor applies for a retirement pension before or after age 65. The maximum new monthly pension payable at age 65 in 2016 is \$1,092.50 (2015 – \$1,065.00).

Canada Pension Plan

Notes to Consolidated Financial Statements

for the year ended March 31, 2016

Post-Retirement Benefits – A post-retirement benefit (PRB) pension is payable to each retirement pension recipient who has continued to work and has made contributions to the PRB while between the ages of 60 and 70, according to provisions of Bill C-51 of 2009. As of January 1, 2012, Canadians working outside Quebec who receive CPP or RRQ retirement benefits began making contributions to the PRB. Contributions are mandatory for CPP or RRQ retirement pension recipients aged 60-65, however, those between the ages of 65 and 70 can choose not to contribute. The PRB becomes payable the year after contributions are made. PRB payments to eligible contributors came into effect on January 1, 2013. The maximum new monthly PRB at age 65 in 2016 is \$27.31 (2015 – \$26.63).

Disability benefits – A disability benefit is payable to a contributor who is disabled, according to the provisions of the *Canada Pension Plan*. The amount of the disability benefit to be paid includes a flat-rate portion and an amount equal to 75 percent of the earned retirement pension. The maximum new monthly disability benefit in 2016 is \$1,290.81 (2015 – \$1,264.59).

Survivor's benefits – A survivor's benefit is payable to the spouse or common-law partner (the beneficiary) of a deceased contributor, according to the provisions of the *Canada Pension Plan*. For a beneficiary under the age of 65, the benefit consists of a flat-rate portion and an amount equal to 37.5 percent of the deceased contributor's earned retirement pension. A beneficiary between the ages of 35 and 45 who is not disabled or who has no dependent children receives reduced benefits. For beneficiaries aged 65 and over, the benefit is equal to 60 percent of the retirement pension granted to the deceased contributor. The maximum new monthly benefit payable to a beneficiary in 2016 is \$655.50 (2015 – \$639.00).

Disabled contributor's child and orphan benefits – According to the provisions of the *Canada Pension Plan*, each child of a contributor who is receiving disability benefits or a child of a deceased contributor is entitled to a benefit as long as the child is under the age of 18, or is between the ages of 18 and 25 and attending school full-time. The flat-rate monthly benefit in 2016 is \$237.69 (2015 – \$234.87).

Death benefits – According to the provisions of the *Canada Pension Plan*, a death benefit is a one-time payment to, or on behalf of, the estate of a contributor. The death benefit is a lump-sum payment that amounts to six times the amount of the deceased contributor's monthly retirement pension, up to a maximum, in 2016 is \$2,500.00 (2015 – \$2,500.00).

Pensions and benefits indexation – As required by the *Canada Pension Plan*, pensions and benefits are indexed annually based on the Consumer Price Index for Canada. The rate of indexation for 2016 is 1.2 percent (2015 – 1.8 percent).

2. Significant Accounting Policies

a) Basis of Accounting

These financial statements have been prepared in accordance with the significant accounting policies described below in compliance with the *Canada Pension Plan*. The financial statements are presented on a consolidated basis to include the accounts of the CPP and the CPPIB and include a consolidated statement of financial position, a consolidated statement of operations, a consolidated statement of changes in financial assets available for benefit payments and a consolidated statement of cash flow.

The CPP, which is managed by both the Government of Canada and participating provinces, is not considered to be part of the reporting entity of the Government of Canada. Accordingly, its financial activities are not consolidated with those of the Government.

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Notes to Consolidated Financial Statements

for the year ended March 31, 2016

b) International Financial Reporting Standards

The CPPIB, which is a significant component of the CPP consolidated financial statements, adopted International Financial Reporting Standards (IFRS) as of April 1, 2014. While there is no impact on financial assets available for benefit payments and net increase in assets available for benefit payments as a result of CPPIB's IFRS adoption, CPPIB's incremental financial statement disclosures related to investments, investment receivables and investment liabilities is supplementary information to the requirements of the *Canada Pension Plan*.

c) Financial instruments

The CPP, through CPPIB, measures its investments, investment receivables and investment liabilities at fair value.

The investments and investment receivables are measured at fair value on the basis that they are part of a portfolio managed and evaluated on a fair value basis in accordance with investment strategies and risk management of CPPIB.

Investment liabilities are measured at fair value upon meeting the following criteria:

- It is acquired or incurred principally for the purpose of selling or repurchasing it in the near term;
- On initial recognition it is part of a portfolio of identified financial instruments that are managed together and for which there is evidence of a recent actual pattern of short-term profit taking; or
- It is a derivative, except for a derivative that is a financial guarantee contract or a designated and effective hedging instrument.

The CPP, through the CPPIB, recognizes investments, investment receivables and investment liabilities when, and only when, it becomes a party to the contractual provisions of the instrument. In addition, these are recorded on a trade date basis.

Investments and investment receivables are derecognized when the contractual rights to receive the cash flows expire or where the CPP, through CPPIB, has transferred the asset and substantially all the risks and rewards of the asset or no longer retains control over the asset. Investment liabilities are derecognized by CPP, through CPPIB, when the obligation under the liabilities is discharged, cancelled or expires.

Upon initial recognition, investments, investment receivables and investment liabilities are measured at fair value. Subsequent changes in the fair value are recorded as unrealized gain (loss) on investments and included in net investment income (loss), along with the interest and dividend income from such financial instruments.

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Notes to Consolidated Financial Statements

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d) Valuation of Investments, Investment Receivables and Investment Liabilities

Investments, investment receivables and investment liabilities are recorded on a trade date basis and are stated at fair value. Fair value is an estimate of the amount of consideration that would be agreed upon in an arm's length transaction between knowledgeable, willing parties who are under no compulsion to act.

In an active market, fair value is best evidenced by an independent quoted market price. In the absence of an active market, fair value is determined by valuation techniques that make maximum use of inputs observed from markets. These valuation techniques include using recent arm's length market transactions, if available, or current fair value of another investment that is substantially the same, discounted cash flow analysis, option pricing models and other accepted industry valuation methods, that may include the use of estimates made by management, appraisers or both where significant judgment is required. By using valuation methods based on reasonable alternative assumptions, different fair values could result. CPP, through CPPIB's management, has determined that the potential impact on fair values using these reasonable alternative assumptions would not be significant.

e) Contributions

Contributions include CPP contributions earned for the year. The Canada Revenue Agency (CRA) collects contributions and measures them using the assessment of tax returns. In determining the amount of contributions earned for the year, the CRA considers cash received and contributions assessed, and makes an estimate for contributions related to tax returns not yet assessed. This estimate is subject to review. Adjustments, if any, are recorded as contributions in the year they are known.

f) Investment income

Income from investments includes realized gains and losses from investments, changes in unrealized gains and losses on investments, dividend income and interest income. Dividend income is recognized on the ex-dividend date, which is when the right to receive the dividend has been established. Interest income is recognized using the effective interest rate method.

g) Transaction Costs

Transaction costs are incremental costs that are directly attributable to the acquisition or disposal of an investment. Transaction costs are expensed as incurred and included in net investment income (loss).

h) Investment Management Fees

Investment management fees, which include hedge fund performance fees, are paid to investment managers for externally managed investments. Investment management fees are expensed as incurred and included in net investment income (loss).

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for the year ended March 31, 2016

j) Securities Purchased under Reverse Repurchase Agreements and Sold under Repurchase Agreements

Securities purchased under reverse repurchase agreements represent the purchase of securities effected with a simultaneous agreement to sell them back at a specified price at a specified future date and are accounted for as an investment receivable. These securities are not recognized as an investment of the CPP, through the CPPIB. The fair value of securities to be resold under these reverse repurchase agreements is monitored and additional collateral is obtained, when appropriate, to protect against credit exposure. In the event of counterparty default, the CPP, through the CPPIB, has the right to liquidate the collateral held.

Securities sold under repurchase agreements are accounted for as collateralized borrowing because they represent the sale of securities with a simultaneous agreement to buy them back at a specified price at a specified future date. The securities sold continue to be recognized as an investment of the CPP, through the CPPIB, with any changes in fair value recorded as net gain (loss) on investments and included in net investment income (loss). Interest earned on reverse repurchase agreements and interest incurred on repurchase agreements is included in net investment income (loss) (refer to Note 10).

j) Securities Sold Short

Securities sold short represent securities that are sold, but not owned, by the CPP, through the CPPIB. The CPP, through the CPPIB, has an obligation to cover these short positions, which are accounted for as an investment liability based on the fair value of the securities sold. Collateral is pledged to the counterparty, when appropriate (refer to Note 7). Interest and dividend expense on securities sold short are included in net investment income (loss) (refer to Note 10).

k) Translation of Foreign Currencies

Transactions, including purchases and sales of investments, income and expenses, are translated at the rate of exchange prevailing on the date of the transaction. Monetary assets and liabilities denominated in foreign currencies are translated into Canadian dollars at exchange rates prevailing on the year-end date. Non-monetary items that are measured in terms of historical cost in a foreign currency are translated using the exchange rates as at the dates of the initial transactions.

Foreign currency transaction gains and losses on financial instruments are included in net investment income (loss) (refer to Note 10).

l) Pensions and Benefits

Pensions and benefits expenses are recorded when incurred or reasonably estimated.

m) Tax Deductions Due to the Canada Revenue Agency

Tax deductions due to the CRA consist primarily of voluntary and non-resident taxes withheld from pensions and benefit payments to CPP beneficiaries (refer to Note 8).

n) Net Overpayments

Net overpayments comprise overpayments of pensions and benefits that were established during the year less remissions of debts granted.

o) Operating Expenses

Operating expenses are recorded as incurred.

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Notes to Consolidated Financial Statements

for the year ended March 31, 2016

p) Other Claims and Legal Actions

The CPP records an allowance for claims and legal proceedings when it is likely that there will be a future payment and a reasonable estimate can be made.

q) Measurement Uncertainty

The preparation of consolidated financial statements in accordance with the *Canada Pension Plan* requires management to make certain estimates, judgments and assumptions that affect the reported values of assets and liabilities as at the date of the consolidated financial statements and revenues and expenses during the reporting period. Estimates are based on the best information available at the time of preparation of the consolidated financial statements and are reviewed annually to reflect new information as it becomes available. Significant estimates and judgments are required principally in determining the reported estimated contributions, allowance for doubtful accounts, contingent liabilities, actuarial obligation in respect of benefits and valuation of financial instruments which are not actively traded. Measurement uncertainty exists in these consolidated financial statements. Actual results could significantly differ from those estimates.

r) Future Changes in Accounting Standards

The CPP is currently analyzing the impact of these new sections relevant to the consolidated financial statements:

Related Party disclosures, effective date April 1, 2017

This new section PS 2200 defines a related party and establishes disclosures required for related party transactions. Disclosure of information about related party transactions and the relationship underlying them is required when they have occurred at a value different from that which would have been arrived at if the parties were unrelated, and they have, or could have, a material financial effect on the financial statements.

Assets, effective date April 1, 2017

This new section PS 3210 provides guidance for applying the definition of assets and establishes the general disclosure requirements.

Contingent Assets, effective date April 1, 2017

This new section PS 3320 defines contingent assets as possible assets arising from existing conditions or situations involving uncertainty. That uncertainty will ultimately be resolved when one or more future events not wholly within the public sector entity's control occurs or fails to occur. Resolution of the uncertainty will confirm the existence or non-existence of an asset.

Contractual Rights, effective date April 1, 2017

This new section PS 3380 defines and establishes disclosure standards on contractual rights which are rights to economic resources arising from contracts or agreements that will result in both an asset and revenue in the future.

Inter-entity transactions, effective date April 1, 2017

This new section PS 3420 establishes how to account for and report transactions between public sector entities that comprise a government reporting entity from both a provider and recipient perspective.

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Notes to Consolidated Financial Statements

for the year ended March 31, 2016

Restructuring transactions, effective date April 1, 2018

This new section PS 3430 introduces accounting guidance for both transferors and recipients of a restructuring transaction which is a transfer of an integrated set of assets and/or liabilities, together with related program or operating responsibilities without consideration based primarily on the fair value of the individual assets and liabilities transferred.

Financial Instruments, effective date April 1, 2019

(i) Financial Instruments

The new section PS 3450 (financial instruments) establishes standards for recognizing and measuring financial assets, financial liabilities and non-financial derivatives. Items within the scope of the section are assigned to one of two measurement categories: fair value and cost or amortized cost. Until an item is derecognized, gains and losses arising as a result of fair value remeasurement will be reported in the Consolidated Statement of Remeasurement Gains and Losses.

(ii) Foreign Currency Translation

The revised section PS 2601 (foreign currency translation) requires that remeasurement gains and losses on foreign currency translation be reported in a new Consolidated Statement of Remeasurement Gains and Losses until such time as the financial instrument is derecognized, at which point, the accumulated remeasurement gain and loss is recognized in the Consolidated Statement of Operations.

(iii) Financial Statement Presentation

The revised section PS 1201 (financial statements presentation) establishes the general principles and information standards applicable to consolidated financial statements. It requires that remeasurement gains and losses be reported in a new statement. Also, the assets available for benefit payments will be presented as the total of the net increase in assets available for benefit payments for the year and the accumulated remeasurement gains and losses.

Portfolio Investments, effective date April 1, 2019

This section PS 3041 establishes standards on how to account for and report portfolio investments in government financial statements.

3. Cash

Cash consists of the total cash held by the CPP Account and the CPPIB. The CPP Account was established in the accounts of Canada by the *Canada Pension Plan* to record the contributions, interest, pensions, benefits and operating expenses of the CPP. It also records the amounts transferred to or received from the CPPIB. As at March 31, 2016, the deposit with the Receiver General for Canada in the CPP Account is \$35 million (2015 – \$212 million) and the CPPIB's cash is \$60 million (2015 – \$59 million) for a total of \$95 million (2015 – \$271 million).

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4. Receivables

Receivables comprise the following:

	2016	2015
	(in millions of dollars)	
Contributions	4,945	5,114
Québec Pension Plan	91	162
Beneficiaries		
Balance of pensions and benefits overpayments	192	169
Allowance for doubtful accounts	(135)	(120)
Others	7	-
	5,100	5,325

Contributions receivable represent the estimated amount to be collected from the CRA relating to contributions earned at year end and adjusted for tax returns not yet assessed. The amount includes an estimate that takes into consideration the number of contributors and the average contribution to be received, which is based on the average earning and the CPP contribution rate. On an annual basis, the model used to make the estimate is reviewed. The difference between the estimate and the actual amount has not been significant in the past.

The CPP has procedures to detect overpayments. During the year, overpayments totalling \$102 million (2015 – \$75 million) were established and debts totalling \$5 million (2015 – \$4 million) were forgiven as per the remission provisions of the *Canada Pension Plan*. A further \$74 million (2015 – \$49 million) was recovered through collection of payments and withholdings from beneficiaries.

5. Investment Activities Risk Management

The CPP, through the investment activities carried out by the CPPIB, is exposed to a variety of financial risks. These risks include market risk, credit risk and liquidity risk. The CPPIB manages and mitigates financial risks through the Risk/Return Accountability Framework that is contained within the Risk Policy approved by the Board of Directors at least once every fiscal year. This policy contains risk limits and risk management provisions that govern investment decisions. It has been designed to achieve the mandate of the CPPIB, which is to invest its assets with a view to achieving a maximum rate of return, without undue risk of loss, having regard to the factors that may affect the funding of the CPP and the ability of the CPP to meet its financial obligations on any given business day.

Effective April 1, 2015, changes were made to the Risk/Return Accountability Framework. Upper and Lower Absolute Risk Limits and the Absolute Risk Operating Range are included within the Risk/Return Accountability Framework, and these govern the amount of total investment risk that CPPIB can take in the long term CPP Investment Portfolio. CPPIB monitors the absolute risk, the possible losses of value expressed in absolute dollar or percentage terms, in the CPP Investment Portfolio daily and reports risk exposures to the Board of Directors on at least a quarterly basis.

- (i) **Market Risk:** Market risk (including currency risk, interest rate risk and other price risk) is the risk that the fair value or future cash flows of an investment or investment liability will fluctuate because of changes in market prices and rates.

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Currency Risk: The CPP, through the CPPIB, is exposed to currency risk through holdings of investments or investment liabilities in various currencies.

In Canadian dollars, the net underlying currency exposures, after allocating foreign currency derivatives, as at March 31, are as follows:

(in millions of dollars) Currency	2016		2015	
	Net Exposure	% of Total	Net Exposure	% of Total
United States Dollar	138,624	61	116,292	59
Euro	29,697	13	30,955	16
British Pound Sterling	16,245	7	12,595	6
Japanese Yen	14,692	6	11,879	6
Australian Dollar	8,026	4	6,499	3
Chinese Yuan	3,356	1	2,614	1
Hong Kong Dollar	2,592	1	2,425	1
Chilean Peso	2,042	1	1,855	1
Swiss Franc	2,020	1	2,045	1
South Korean Won	1,886	1	1,792	1
Indian Rupee	1,821	1	1,344	1
Brazilian Real	1,309	1	1,404	1
Other	5,960	2	5,657	3
	228,270	100	197,356	100

As at March 31, 2016, with all other variables and underlying values held constant, a change in the value of the Canadian dollar against major foreign currencies by 5 percent would result in an approximate increase (decrease) in the value of investments and investments liabilities as follows:

(in millions of dollars) Currency	2016		2015	
	Change in Investment Value		Change in Investment Value	
	+5%	-5%	+5%	-5%
United States Dollar	(6,931)	6,931	(5,815)	5,815
Euro	(1,485)	1,485	(1,548)	1,548
British Pound Sterling	(812)	812	(630)	630
Japanese Yen	(735)	735	(594)	594
Australian Dollar	(401)	401	(325)	325
Chinese Yuan	(168)	168	(131)	131
Hong Kong Dollar	(130)	130	(121)	121
Chilean Peso	(102)	102	(93)	93
Swiss Franc	(101)	101	(102)	102
South Korean Won	(94)	94	(89)	89
Indian Rupee	(91)	91	(67)	67
Brazilian Real	(66)	66	(70)	70
Other	(298)	298	(283)	283
	(11,414)	11,414	(9,868)	9,868

Interest Rate Risk: Interest rate risk is the risk that the fair value or future cash flows of an investment or investment-related liability will fluctuate because of changes in market interest rates.

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Other Price Risk: Other price risk is the risk that the fair value or future cash flows of an investment will fluctuate because of changes in market prices arising primarily from equity price risk, commodity price risk and credit spread risk, whether those changes are caused by factors specific to the individual investment or factors affecting all securities traded in the market.

- (ii) **Credit Risk:** Credit risk is the risk of financial loss due to a counterparty failing to meet its contractual obligations, or a reduction in the value of the assets due to a decline in the credit quality of the borrower, counterparty, guarantor or the assets (collateral) supporting the credit exposure. The CPP's, through the CPPIB, most significant exposure to credit risk is through its investment in debt securities, over-the-counter derivatives (as discussed in Note 6f) and guarantees. The carrying amounts of the investments are presented in Note 6 and guarantees are presented in Note 16c).
- (iii) **Liquidity Risk:** Liquidity risk is the risk of being unable to generate sufficient cash or its equivalent in a timely and cost-effective manner to meet pensions and benefit payments, investment commitments and investment liabilities as they come due. The CPP manages this risk through cash flow planning for both short-term and long-term requirements. The cash flow is prepared for a two-year period and updated on a weekly basis to inform CPPIB of the fund required by CPP to meet its financial obligations. Also, the CPP, through the CPPIB, supplements its management of liquidity risk through its ability to raise funds through the issuance of commercial paper and term debt and transacting in securities sold under repurchase agreements (refer to Note 6 and Note 7).

The CPPIB maintains \$1.5 billion (2015 – \$1.5 billion) of unsecured credit facilities to meet potential liquidity requirements. As at March 31, 2016, the total amount drawn on the credit facilities is \$nil (2015 – \$nil). The CPPIB also has the ability to readily dispose of certain investments that are traded in an active market. These include a liquid portfolio of publicly traded equities, money market securities and marketable bonds.

The CPPIB is also exposed to liquidity risk through its responsibility for providing cash management services to the CPP (refer to Note 18). In order to manage liquidity risk associated with this short-term cash management program, certain assets are segregated and managed separately. Liquidity risk is also managed by investing these assets in liquid money market instruments with the primary objective of ensuring that the CPP has the necessary liquidity to meet benefit payment obligations on any business day.

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6. Investments and Investment Liabilities

As stated in Note 1, the role of the CPPIB is to invest the assets with a view to achieving a maximum rate of return without undue risk of loss, with regard to the factors that may affect the funding of the CPP and the ability of the CPP to meet its financial obligations on any given business day. To achieve its mandate, the CPPIB has established investment policies in accordance with its regulations. These set out the manner in which their assets shall be invested and their financial risks managed and mitigated through the Risk/Return Accountability Framework.

The CPPIB's investments are grouped by asset class based on the nature of the investment. The investments are as follows:

	2016	2015
	(in millions of dollars)	
Equities		
Canada	7,100	8,798
Foreign developed markets	113,480	116,040
Emerging markets	17,953	14,574
Total Equities	138,533	139,412
Fixed income		
Bonds	73,061	65,642
Other debt	26,144	21,024
Money market securities	16,732	17,740
Total Fixed income	115,937	104,406
Absolute return strategies¹	17,034	16,185
Real assets		
Real estate	35,857	29,656
Infrastructure	20,373	15,013
Total Real assets	56,230	44,669
Investment receivables		
Securities purchased under reverse repurchase agreements	12,199	10,817
Accrued interest	1,161	928
Derivative receivables	4,060	1,882
Dividends receivable	165	182
Total Investment receivables	17,585	13,809
Total Investments	345,319	318,481
Investment liabilities		
Securities sold under repurchase agreements	(19,926)	(15,779)
Securities sold short	(27,371)	(22,385)
Debt financing liabilities	(15,568)	(9,955)
Derivative liabilities	(2,514)	(2,428)
Total Investment liabilities	(65,379)	(50,547)
Amounts receivable from pending trades	2,627	2,908
Amounts payable from pending trades	(3,431)	(6,087)
Net Investments²	279,136	264,755

1 Includes only investments in funds

2 The total of net investments not actively traded as at March 31, 2016 is \$190,989 million (2015 – \$166,210 million).

Canada Pension Plan

Notes to Consolidated Financial Statements

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a) Equities

Equities consist of public and private investments in each of these three markets: Canadian, foreign developed and emerging.

- (i) Public equity investments are made directly or through funds, including hedge funds. As at March 31, 2016, public equities included fund investments with a fair value of \$7,807 million (2015 – \$8,541 million). Fair value for fund investments is generally based on the net asset value as reported by the external administrators or managers of the funds.
- (ii) Private equity investments are generally made directly or through ownership in limited partnership funds. As at March 31, 2016, private equities included direct investments with a fair value of \$25,161 million (2015 – \$15,124 million). The fair value for investments held directly is primarily determined using earnings multiples of comparable publicly traded companies or discounted cash flows. Recent market transactions, where available, are also used. In the case of investments held through a limited partnership fund, fair value is generally determined based on relevant information reported by the general partner using similar accepted industry valuation methods.

b) Fixed Income

- (i) Bonds consist of non-marketable and marketable bonds.

The non-marketable bonds issued by the provinces prior to 1998 have rollover provisions attached to them. In lieu of exercising its statutory rollover right, agreements between CPPIB and the provinces permit each province to repay the bond and concurrently cause CPPIB to purchase a replacement bond or bonds in a total principal amount not exceeding the principal amount of the maturing security for a term of not less than five years and not more than 30 years, at the prevailing yield existing at the time for that province. Such replacement bonds contain rollover provisions that permit the issuer, at its option, to roll over the bond for successive terms of not less than five years and subject in all cases to the maximum 30 years outside the maturity date. The replacement bonds are also redeemable before maturity at the option of the issuers. Fair value for non-marketable Canadian provincial government bonds is calculated using discounted cash flows. In the case of marketable bonds, including bond short positions, fair value is based on quoted prices or calculated using discounted cash flows.

- (ii) Other debt consists of investments in direct private debt, asset-backed securities, intellectual property, royalties, distressed mortgage funds, private debt funds and hedge funds. Fair value for direct investments in private debt and asset-backed securities is based on quoted market prices or broker quotes or recent market transactions, if available. Where the market price is not available, fair value is calculated using discounted cash flows.
- (iii) Money market securities consist of cash, term deposits, treasury bills, commercial paper and floating rate notes. Fair value is determined using cost, which, together with accrued interest income, approximates fair value due to the short-term or floating rate nature of these securities.

c) Absolute Return Strategies

Absolute return strategies consist of investments in hedge funds and internally managed portfolios whose objective is to generate positive returns regardless of market conditions, that is, returns with a low correlation to broad market indices. The underlying securities of the funds and the internally managed portfolios could include, but are not limited to, equities, fixed income securities and derivatives. Fair value for fund investments is generally based on the net asset value as reported by the external administrators or managers of the funds.

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Notes to Consolidated Financial Statements

for the year ended March 31, 2016

d) Real Assets

- (i) The CPPIB obtains exposure to real estate through direct investments in privately held real estate and real estate funds.

Private real estate investments are managed on behalf of the CPPIB by investment managers primarily through co-ownership arrangements. As at March 31, 2016, real estate investments include assets of \$35,857 million (2015 – \$29,656 million).

- (ii) Infrastructure investments are generally made directly. As at March 31, 2016, infrastructure includes direct investments with a fair value of \$20,335 million (2015 – \$14,956 million) and \$38 million in fund investments (2015 – \$57 million).

Fair value for private real estate investments and infrastructure investments is primarily determined using discounted cash flows. Fair value for real estate funds and infrastructure funds are generally based on the net asset value as reported by the external managers of the funds.

e) Securities Purchased under Reverse Repurchase Agreements and Sold under Repurchase Agreements

Reverse repurchase and repurchase agreements are carried at the amounts at which the securities were initially acquired or sold, which, together with accrued interest income or expense, approximates fair value due to the short-term nature of these securities.

The terms to maturity of the securities purchased under reverse repurchase agreements, as at March 31, 2016, are as follows: within 1 year, \$12,199 million (2015 – \$10,817 million), and 1 year to over 10 years, \$nil (2015 – \$nil).

The terms to maturity of the undiscounted value of the securities sold under repurchase agreements, as at March 31, 2016, are as follows: within 1 year, \$19,919 million (2015 – \$15,780 million), and 1 year to over 10 years, \$nil (2015 – \$nil).

f) Derivative Contracts

A derivative contract is a financial contract, the value of which is derived from the value of underlying assets, indices, interest rates, currency exchange rates or other market-based factors. Derivatives are transacted through regulated exchanges or negotiated in over-the-counter markets. The CPPIB uses different types of derivative instruments, which include futures and forwards, swaps, options and warrants.

Notional amounts of derivative contracts represent the contractual amounts to which a rate or price is applied for computing the cash flows to be exchanged. The notional amounts are used to determine the gains/losses and fair value of the contracts. They are not recorded as assets or liabilities on the Consolidated Statement of Financial Position. Notional amounts do not necessarily represent the amount of potential market risk or credit risk arising from a derivative contract.

The fair value of these contracts is reported as derivative receivables and derivative liabilities on the schedule of investments as shown above. Fair value for exchange-traded derivatives, which includes futures, options and warrants, is based on quoted market prices. Fair value for over-the-counter derivatives, which includes swaps, options, forward contracts and warrants, is determined based on valuation techniques such as option pricing models, discounted cash flows and consensus pricing from independent brokers and/or third-party vendors.

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The CPPIB uses derivatives to generate value-added investment returns and to manage or adjust exposures to interest rate, currency, credit and other market risks without directly purchasing or selling the underlying instrument.

g) Securities Sold Short

As at March 31, 2016, securities sold short of \$27,371 million (2015 – \$22,385 million) are considered repayable within one year based on the earliest period in which the counterparty could request payment under certain conditions.

h) Debt Financing Liabilities

Debt financing liabilities consist of commercial paper payable and term debt. Commercial paper payable is recorded at the amount originally issued, which, together with accrued interest expense, approximate fair value due to the short-term nature of these liabilities. Fair value for term debt is based on quoted market prices.

The terms to maturity of the undiscounted value of the commercial paper payable as at March 31, 2016, are as follows: within 1 year, \$13,425 million (2015 – \$9,959 million), and 1 year to over 10 years, \$nil (2015 – \$nil). The terms to maturity of the undiscounted value of the term debt as at March 31, 2016, are as follows: within 1 year, \$nil (2015 – \$nil), 1 year to 5 years, \$2,149 million (2015 – \$nil), and 6 years to over 10 years, \$nil (2015 – \$nil).

7. Collateral

Collateral transactions are conducted to support CPPIB's investment activities under the terms and conditions that are common and customary to collateral arrangements. The net fair value of collateral held and pledged as at March 31 are as follows:

	2016	2015
	(in millions of dollars)	
Assets held as collateral on:		
Reverse repurchase agreements ¹	10,289	10,812
Over-the-counter derivative transactions ¹	1,653	33
Other debt ¹	887	1,195
Assets pledged as collateral on:		
Repurchase agreements	(18,858)	(15,792)
Securities sold short	(23,508)	(14,938)
Over-the-counter derivative transactions	(50)	(266)
Debt on private real estate properties	(3,624)	(3,266)
	(33,211)	(22,222)

¹ The fair value of the collateral held that may be sold or repledged as at March 31, 2016 is \$12,302 million (2015 – \$12,009 million). The fair value of collateral sold or repledged as at March 31, 2016 is \$7,900 million (2015 – \$10,368 million).

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8. Payables and Accrued Liabilities

Payables and accrued liabilities are comprised of the following:

	2016	2015
	(in millions of dollars)	
Operating expenses	669	566
Pensions and benefits payable	306	372
Tax deductions on benefits due to Canada Revenue Agency	183	168
	1,158	1,106

9. Comparison of Results Against Budget

The budget amounts included in the Consolidated Statement of Operations and the Consolidated Statement of Change in Financial Assets Available for Benefit Payments are derived from the amounts that were originally budgeted in the *Employment and Social Development Canada 2015-2016 Report on Plans and Priorities*, tabled in Parliament in March 2015 and amounts forecasted by the Office of the Superintendent of Financial Institutions.

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10. Net Investment Income (Loss)

Net investment income (loss) is reported net of transaction costs and investment management fees, and is grouped by asset class based on the risk/return characteristics of the investment strategies of the underlying portfolios.

Net investment income (loss), for the year ended March 31, is as follows:

(in millions of dollars)	2016					
	Investment Income (Loss) ¹	Net Gain (Loss) on Investments ^{2,3,4}	Total Investment Income (Loss)	Investment Management Fees ⁶	Transaction Costs	Net Investment Income (Loss)
Equities						
Canada	(10)	(1,133)	(1,143)	(7)	(36)	(1,186)
Foreign developed markets	1,886	908	2,794	(445)	(203)	2,146
Emerging markets	230	(168)	62	(217)	(9)	(164)
	2,106	(393)	1,713	(669)	(248)	796
Fixed income						
Bonds and money market securities ⁵	2,145	776	2,921	(419)	(75)	2,427
Other debt	1,168	85	1,253	(110)	(20)	1,123
	3,313	861	4,174	(529)	(95)	3,550
Real assets						
Real estate	1,365	2,758	4,123	(131)	(48)	3,944
Infrastructure	776	988	1,764	(1)	(46)	1,717
	2,141	3,746	5,887	(132)	(94)	5,661
Interest on operating balance						
	2	-	2	-	-	2
	7,562	4,214	11,776	(1,330)	(437)	10,009

The notes are on the following page.

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(in millions of dollars)	2015					
	Investment Income ¹	Net Gain on Investments ^{2,3,4}	Total Investment Income	Investment Management Fees ⁶	Transaction Costs	Net Investment Income
Equities						
Canada	17	1,753	1,770	(12)	(12)	1,746
Foreign developed markets	1,693	19,266	20,959	(448)	(41)	20,470
Emerging markets	266	3,339	3,605	(121)	(7)	3,477
	1,976	24,358	26,334	(581)	(60)	25,693
Fixed income						
Bonds and money market securities ⁵	2,096	5,839	7,935	(467)	(62)	7,406
Other debt	909	1,801	2,710	(114)	(9)	2,587
	3,005	7,640	10,645	(581)	(71)	9,993
Real assets						
Real estate	1,261	2,521	3,782	(90)	(97)	3,595
Infrastructure	721	1,486	2,207	(2)	(45)	2,160
	1,982	4,007	5,989	(92)	(142)	5,755
Interest on operating balance						
	3	-	3	-	-	3
	6,966	36,005	42,971	(1,254)	(273)	41,444

1 Includes interest income, dividends, private real estate operating income (net of interest expense), interest expense on the debt financing liabilities and other investment-related income and expenses.

2 Includes realized gains and losses from investments, and unrealized gains and losses on investments held at the end of the year.

3 Includes foreign exchange gains of \$5,200 million (2015 – gains of \$7,800 million).

4 Includes net unrealized gains of \$1,484 million (2015 – \$9,197 million) which represents the change in fair value on those investments where the fair value is derived primarily from assumptions based on non-observable market data and still held at the end of the year.

5 Includes debt financing liabilities and absolute return strategies, which consist of investments in funds and internally managed portfolios.

6 Includes hedge fund performance fees of \$395 million (2015 – \$482 million).

11. Estimated Overpayments and Underpayments of Benefits

In order to measure the accuracy of CPP benefit payments, the CPP relies on a quality program (the CPP Payment Accuracy Review) which estimates, through statistical extrapolation, the most likely value of incorrect benefit payments.

For benefits paid during the 12 months ended March 31, 2016, undetected overpayments and underpayments are estimated to be \$0.2 million and \$24.8 million respectively (\$18.4 million and \$30.4 million in 2014-2015). These estimates are used by the CPP to assess the quality and accuracy of decisions and to continuously improve its systems and practices for processing CPP benefits.

The actual overpayments established during the year, as indicated in Note 4, were recorded as accounts receivable for recovery and are not directly linked to the above noted estimated overpayments and underpayments of benefits for the same period as these are an evaluation of potential overpayments and underpayments based on the extrapolation described above.

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12. Operating Expenses

CPP's operating expenses are composed of costs incurred by various Government of Canada (GoC) departments (refer to Note 17) for the administration of the CPP's activities as well as the CPPIB's operating expenses.

(in millions of dollars)	2016			2015		
	GoC	CPPIB	Total	GoC	CPPIB	Total
Personnel related costs, including the Health Insurance Plan	246	594	840	255	558	813
Collection of contributions and investigation services	175	-	175	173	-	173
Operational business services	-	104	104	-	89	89
Program policy and delivery, accommodation and corporate services	92	-	92	88	-	88
Professional and consulting fees	-	51	51	-	61	61
Premises	-	39	39	-	28	28
Amortization of premises and equipment	-	30	30	-	25	25
Support services of the Social Security Tribunal	17	-	17	7	-	7
Cheque issue and computer services	6	-	6	9	-	9
Others	2	58	60	2	42	44
	538	876	1,414	534	803	1,337

13. Financial Sustainability of the Canada Pension Plan

The CPP is financed by contributions and investment returns. Employers and employees pay contributions equally to the CPP, and self-employed workers pay the full amount. At the time of the Plan's inception in 1965, the demographic and economic conditions made pay-as-you-go financing appropriate. The pay-as-you-go financing, along with a small reserve equivalent to about two years' worth of expenditures, meant the pensions and benefits for one generation would be paid largely from the contributions of later generations. However, changing demographics and economic conditions over time led to increasing CPP costs, and by the mid-1990s the fall in the level of assets of the CPP resulted in a portion of the reserve being required to cover expenditures. Therefore, for the CPP to remain unchanged, the contribution rate would have needed to be increased regularly.

As a result, the CPP was amended in 1997 to restore its long-term financial sustainability and to improve fairness across generations by changing its financing approach from a pay-as-you-go basis to a form of partial funding called steady-state funding, along with incremental full funding rules for new or enhanced benefits, and reducing the growth of benefits over the long term. In addition, a new investment policy was put in place, along with the creation of the CPPIB. Moreover, the statutory periodic reviews of the Plan by the federal and provincial financial ministers were increased from once every five years to every three years.

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Key among the 1997 changes was the introduction of self-sustaining provisions to safeguard the Plan: in the event that the projected minimum contribution rate is greater than the legislated contribution rate and no recommendations are made by the Finance Ministers to correct the situation, the contribution rate would automatically increase and the indexation of the current benefits would be suspended.

The federal, provincial and territorial finance ministers took additional steps in 1999 to strengthen the transparency and accountability of actuarial reporting on the CPP by endorsing regular independent peer reviews of actuarial reports and consultations by the Chief Actuary with experts on the assumptions to be used in the actuarial reports.

The most recent triennial report, the *Twenty-sixth Actuarial Report on the Canada Pension Plan* as at December 31, 2012, was tabled in Parliament on December 3, 2013. The next triennial actuarial report as at December 31, 2015, is expected to be tabled by December 2016. According to the *Twenty-sixth Actuarial Report*, under the current legislated contribution rate of 9.9 percent, the Plan's assets are expected to increase significantly, with the asset/expenditure ratio growing from 4.7 in 2013 to about 5.4 by 2025 and to 5.9 by 2075 assuming all assumptions are realized.

A number of assumptions were used in the *Twenty-sixth Actuarial Report* to project the CPP's revenues and expenditures over the long projection period of 75 years, and to determine the minimum contribution rate. The assumptions provided in the table below represent the best estimates according to the Chief Actuary's professional judgment relating to demographic, economic, and other factors; and have been peer reviewed by an independent expert actuary's panel.

	As at December 31, 2012 ¹		As at December 31, 2009 ¹	
	Males	Females	Males	Females
Canadian life expectancy				
at birth in 2013 (2009 – in 2010)	86.1 years	89.1 years	85.4 years	88.3 years
at age 65 in 2013 (2009 – in 2010)	20.9 years	23.3 years	20.2 years	22.6 years
Retirement rates for cohort at age 60	34% (2016+)	38% (2016+)	38% (2016+)	41% (2016+)
CPP disability incidence rates (per 1,000 eligible)	3.30 (2017+)	3.75 (2017+)	3.40 (2015+) ²	3.79 (2015+) ²
Total fertility rate	1.65 (2015+)		1.65 (2015+)	
Net migration rate	0.60% of population for 2017+		0.58% of population for 2023+	
Participation rate (age group 15-69)	76.8% (2030)		75.2% (2030)	
Employment rate (age group 15-69)	72.1% (2030)		70.6% (2030)	
Unemployment rate	6.0% (2023+)		6.1% (2022+)	
Rate of increase in prices	2.2% (2021+)		2.3% (2019+)	
Real-wage increase	1.2% (2020+)		1.3% (2019+)	
Real rate of return	4.0% (2019+)		4.0% (2017+) ³	

1 Assumptions are expected to gradually converge to their ultimate value. Years in the brackets indicate when the ultimate assumptions value is expected to be reached.

2 The ultimate disability incidence rates assumption of the 25th CPP Actuarial Report has been adjusted based on the 2012 eligible population in order to compare with the assumption for this 26th CPP Actuarial Report on the same basis.

3 For the 26th CPP Actuarial Report, the real rate of return assumption is net of all investment expenses, including CPPIB operating expenses. On a comparable basis, the ultimate real rate of return assumption of the 25th CPP Actuarial Report would be restated as 3.9 percent to reflect this improvement in the methodology.

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In the *Twenty-sixth Actuarial Report*, the minimum contribution rate, which is the lowest rate to sustain the CPP, was determined to be 9.84 percent of contributory earnings for the year 2016 and thereafter (9.86 percent before 2023 and 9.85 percent for the year 2023 and thereafter in the *Twenty-fifth Actuarial Report*).

The CPP assets available for benefit payments represent the funds accumulated for the payment of pensions, benefits, and operating expenses, i.e. total CPP expenditures. The partial funding nature of the CPP means that contributions as opposed to these assets are the main source for financing CPP expenditures. The *Twenty-sixth Actuarial Report* confirms that, on the basis of the assumptions selected, the current legislated combined employer-employee contribution rate of 9.9 percent is and will continue to be sufficient to pay for future expenditures over the period 2013 to 2022. Thereafter, a portion of investment income (27 percent in 2050) will be required to make up the difference between contributions and expenditures. Under the current legislated contribution rate of 9.9 percent and the average expected nominal return on assets of 5.26 percent, total assets available for benefit payments are expected to grow to \$300 billion by the end of 2020.

As at March 31, 2016, the value of CPP assets available for benefit payments is \$283.6 billion (2015 – \$269.6 billion). This amount represents approximately 6.3 times the 2017 planned expenditures of \$45.2 billion (2015 – 6.3 times the 2016 planned expenditures of \$42.9 billion).

A variety of tests were performed to measure the sensitivity of the long-term projected financial position of the CPP to future changes in the demographic and economic environments. Key best-estimate demographic and economic assumptions were varied individually to measure the potential impact on the financial status of the CPP.

The low-cost and high-cost alternatives for the three most sensitive assumptions are shown in the table below. In the case of mortality, the assumptions for the low-cost and high-cost alternatives were developed using a combination of confidence intervals and different long-term trajectories. In the case of real wage increase and real rate of return, these assumptions are defined as the upper and lower boundaries of the 80 percent confidence intervals.

	Low-Cost		Best-Estimate		High-Cost	
Mortality:						
Canadian life expectancy at age 65 in 2050 with future improvements	Males	20.7	Males	23.0	Males	25.6
	Females	22.9	Females	25.3	Females	27.7
Real wage increase		1.9%		1.2%		0.4%
Real rate of return		5.5%		4.0%		2.5%

Mortality is the most sensitive demographic assumption as it impacts the length of the benefit payment period. If male and female life expectancies at age 65 were to increase by approximately 2.5 years more than expected by 2050, the minimum contribution rate in 2016 and thereafter would increase to 10.22 percent, well above the legislated rate of 9.9 percent. On the other hand, if male and female life expectancies at age 65 were to be about 2.5 years lower than expected, the minimum contribution rate would decrease to 9.46 percent.

The most sensitive economic assumptions are the real wage increase and the real rate of return on investments. The growth in real wage directly impacts the amount of future CPP contributions. If an ultimate real wage increase of 1.9 percent is assumed for 2020 and thereafter, the minimum contribution rate would decrease to 9.26 percent. However, if an ultimate real wage increase of 0.4 percent is assumed for 2014 and thereafter, the minimum contribution rate would increase to 10.51 percent.

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Real rates of return can fluctuate greatly from year to year and can have a significant impact on the size of assets and on the ratio of assets to the following year expenditures. If a real rate of return of 5.5 percent is assumed for 2019 and thereafter, the minimum contribution rate will decrease to 8.97 percent. However, if the real rate of return is assumed to be 2.5 percent for 2019 and thereafter, the minimum contribution rate increases to 10.73 percent.

The table below summarizes the results of the sensitivity of the minimum contribution rate and the ratio of the assets to the next year expenditures under the legislated 9.9 percent contribution rate to the changes in mortality, real wage increase and real rate of return on investments assumptions:

Assumption	Scenario	Minimum Contribution Rate ¹ (Percent)	Ratio of Assets to Expenditures under 9.9 percent Contribution Rate		
			2025	2050	2087
Mortality	Best Estimate	9.84	5.35	6.02	5.70
	Low Cost	9.46	5.54	7.45	11.64
	High Cost	10.22	5.15	4.67	0.50
Real Wage Increases	Low Cost	9.26	5.56	8.07	12.09
	High Cost	10.51	5.09	3.40	— ²
Real Rate of Return on Investment	Low Cost	8.97	6.31	11.23	30.49
	High Cost	10.73	4.54	2.98	— ³

1 The minimum contribution rate in this table refers to the rate applicable for 2016 and thereafter.

2 Assets depleted by 2069.

3 Assets depleted by 2076.

14. Actuarial Obligation in Respect of Benefits

The *Twenty-sixth Actuarial Report* on the CPP measures the actuarial obligation under an open group approach, which is consistent with the partial funding nature of the CPP financing, and provides information under a closed group approach, in a footnote. With the current legislated combined contribution rate of 9.9 percent, the table below presents the asset excess (shortfall) and the assets to actuarial obligation ratio under open and closed group approaches at valuation dates of the current and previous actuarial reports:

(in billions of dollars)	As at December 31, 2012		As at December 31, 2009	
	Open Group	Closed Group	Open Group	Closed Group
Actuarial obligation	2,254.7	1,004.9	1,995.0	874.8
Assets available for benefit payments	2,245.8	175.1	1,988.1	126.8
Asset Shortfall ¹	(8.9)	(829.8)	(6.9)	(748.0)
Assets to actuarial obligation ratio	99.6%	17.4%	99.7%	14.5%

¹ The determination of the asset shortfall is based on the projections of the CPP's revenues and expenditures projected over the period of 150 years. There will be no asset shortfall, using the open group approach, if the projection period slightly shorter than 150 years is used.

The open group approach takes into consideration all current and future participants of the CPP, including their future contributions and associated benefits, to determine whether current assets and future contributions will be sufficient to pay for all future expenditures. The closed group includes only current participants of the CPP, with no new entrants permitted and no new benefits accrued. The choice of the methodology used to produce a social security system's balance sheet is mainly determined by the system's financing approach.

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Under the partial funding financing approach of the CPP, in any given year, current contributors allow the use of their contributions to pay current beneficiaries' benefits. This financial arrangement creates claims for current and past contributors to contributions of future contributors. As such, the most appropriate assessment of the financial sustainability of partially funded plans by means of their balance sheets should reflect these claims.

The open group approach does account explicitly for these claims by considering the benefits and contributions of both the current and future plan participants. In comparison, the closed group approach does not reflect these claims, since only current participants are considered. To determine the CPP actuarial obligations under the open group approach, the projections of the CPP's revenues and expenditures were projected over the period of 150 years using the assumptions of the *Twenty-sixth Actuarial Report* shown in Note 13. The projection period longer than 75 years used to calculate the minimum contribution rate is necessary to ensure that the future expenditures for cohorts that will enter the labour force during that time are included in the liabilities. It is noted that if a projection period slightly shorter than 150 years is used, there will be no asset shortfall.

The CPP was never intended to be a fully-funded plan and the financial sustainability of the CPP is not assessed based on its actuarial obligation in respect of benefits. According to the *Twenty-sixth Actuarial Report*, the CPP is intended to be long-term and enduring in nature, a fact that is reinforced by the federal, provincial, and territorial governments' joint stewardship through the established strong governance and accountability framework of the CPP. Therefore, if the CPP's financial sustainability is to be measured based on its asset excess or shortfall, it should be done on an open group basis that reflects the partially funded nature of the CPP, that is, its reliance on both future contributions and invested assets as a means of financing its future expenditures. Using the open group approach, the Chief Actuary confirms that the CPP, on the basis of the assumptions selected, will continue to meet its financial obligations and is sustainable in the long term.

15. Contractual Obligations

The CPP, through the CPPIB, has committed to enter into contractual obligations related to the funding of investments. These contractual obligations are generally payable on demand based on the funding needs of the investment subject to the terms and conditions of each agreement. As at March 31, 2016, the contractual obligations totalled \$34.7 billion (2015 – \$30.7 billion).

As at March 31, 2016, the CPP, through the CPPIB, has made lease and other contractual obligations, which will require future annual payments as follows:

	2016	2015
	(in millions of dollars)	
Within one year	34	36
After one year but not more than five years	115	114
More than five years	67	40
	216	190

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16. Contingent Liabilities

a) Appeals relating to the payment of pensions and benefits

At March 31, 2016, there were 7,619 appeals (2015 – 14,007) relating to the payment of CPP disability benefits. These contingencies are reasonably estimated, using historical information, at an amount of \$60.5 million (2015 – \$164.4 million), which was recorded as an accrued liability in the CPP 2015-2016 consolidated financial statements.

b) Other claims and legal proceedings

In the normal course of operations, the CPP is involved in various claims and legal proceedings. The total amount claimed in these actions and their outcomes are not determinable at this time. The CPP records an allowance for claims and legal proceedings when it is likely that there will be a future payment and a reasonable estimate of the loss can be made. No such allowance was recognized in the financial statements for the 2015-2016 and 2014-2015 fiscal years for these claims and legal proceedings.

c) Guarantees

As part of certain investment transactions, the CPP, through the CPPIB, agreed to guarantee, as at March 31, 2016, up to \$2.5 billion (2015 – \$1.9 billion) to other counterparties in the event certain investee entities default under the terms of loan and other related agreements.

d) Indemnifications

The CPPIB provides indemnifications to its officers, directors, certain others and, in certain circumstances, to various counterparties and other entities. The CPPIB may be required to compensate these indemnified parties for costs incurred as a result of various contingencies such as changes in laws, regulations and litigation claims. The contingent nature of these indemnification agreements prevents the CPPIB from making a reasonable estimate of the maximum potential payments the CPPIB could be required to make. To date, the CPPIB has not received any claims nor made any payments pursuant to such indemnifications.

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17. Related Party Transactions

As stated in Note 4, the CPP has \$4,945 million (2015 – \$5,114 million) of contributions receivable from the Canada Revenue Agency.

The CPP enters into transactions with the Government of Canada in the normal course of business, which are recorded at the exchange value. The costs are based on estimated allocations of costs and are charged to the CPP in accordance with various memoranda of understanding.

Transactions for the year are comprised of the following:

	2016	2015
	(in millions of dollars)	
Employment and Social Development Canada		
Personnel related costs	229	238
Program policy and delivery, accommodation and corporate services	92	88
Canada Revenue Agency		
Collection of contributions and investigation services	175	173
Treasury Board Secretariat		
Health Insurance Plan	17	17
Administrative Tribunals Support Service of Canada		
Support services of the Social Security Tribunal	17	7
Public Services and Procurement Canada		
Cheque issue and computer services	6	9
Office of the Superintendent of Financial Institutions and Department of Finance		
Actuarial services	2	2
	538	534

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18. Supplementary Information

The administration of the CPP's assets and activities is shared between various Government of Canada (GoC) departments and the CPPIB. The CPPIB is responsible for investing the majority of the CPP's assets, while the GoC through various federal departments, manages the remainder of the assets, as well as the collection of the CPP contributions and the administration and payments of the CPP benefits. For accountability purposes, the following table presents summary information on the levels of assets and liabilities and sources of income and expenses managed by the GoC and the CPPIB respectively.

(in millions of dollars)	2016			2015		
	GoC	CPPIB	Total	GoC	CPPIB	Total
Financial assets	5,128	348,013	353,141	5,537	321,448	326,985
Non-financial assets	-	402	402	-	370	370
Liabilities	494	69,474	69,968	545	57,195	57,740
Assets available for benefit payments	4,634	278,941	283,575	4,992	264,623	269,615
Income						
Contributions	46,119	-	46,119	45,046	-	45,046
Investment income	2	10,007	10,009	3	41,441	41,444
	46,121	10,007	56,128	45,049	41,441	86,490
Expenses						
Pensions and benefits	40,754	-	40,754	38,747	-	38,747
Operating expenses	538	876	1,414	534	803	1,337
	41,292	876	42,168	39,281	803	40,084
Net Increase in assets available for benefit payments	4,829	9,131	13,960	5,768	40,638	46,406

Pursuant to Section 108.1 of the *Canada Pension Plan* and the Agreement dated as of April 1, 2004, amounts not required to meet specified obligations of the CPP are transferred weekly to the CPPIB. The funds originate from employer and employee contributions to the CPP and interest income generated from the deposit with the Receiver General.

In September 2004, the CPPIB assumed responsibility for providing cash management services to the CPP, including periodic return, on at least a monthly basis, of funds required to meet CPP pensions, benefits and operating expenses obligations.

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During the year ended March 31, 2016, a total of \$38 billion (2015 – \$36 billion) was transferred to the CPPIB and a total of \$33 billion (2015 – \$31 billion) was returned to the CPP to meet its liquidity requirements.

Activities during the year

	2016	2015
	(in millions of dollars)	
Canada Pension Plan Investment Board		
Accumulated transfers to CPPIB, beginning of year	377,685	341,662
Transfers of funds to CPPIB	38,406	36,023
Accumulated transfers to CPPIB, end of year	416,091	377,685
Accumulated transfers from CPPIB, beginning of year	(249,367)	(218,237)
Transfers of funds from CPPIB	(33,219)	(31,130)
Accumulated transfers from CPPIB, end of year	(282,586)	(249,367)
Net accumulated transfers to CPPIB	133,505	128,318

19. Comparative Information

Certain comparative figures have been reclassified to conform to the current year's presentation.