



Office of the Superintendent of  
Financial Institutions Canada

Office of the Chief Actuary

Bureau du surintendant des  
institutions financières Canada

Bureau de l'actuaire en chef

# Actuarial Report

29<sup>th</sup>

on the Benefit Plan Financed through  
the Royal Canadian  
Mounted Police  
(Dependants)  
Pension Fund  
as at 31 March 2025

**Office of the Chief Actuary**

Office of the Superintendent of Financial Institutions Canada

12th Floor, Kent Square Building

255 Albert Street

Ottawa, Ontario

K1A 0H2

E-mail: [oca-bac@osfi-bsif.gc.ca](mailto:oca-bac@osfi-bsif.gc.ca)

Web site: [www.osfi-bsif.gc.ca](http://www.osfi-bsif.gc.ca)

© His Majesty the King in Right of Canada, 2026

Cat. No. IN3-16/21E PDF

ISSN 2291-949X

22 January 2026

The Honourable François-Philippe Champagne, M.P.  
Minister of Finance and National Revenue  
House of Commons  
Ottawa, Canada  
K1A 0R5

Dear Minister:

Pursuant to section 56 of the *Royal Canadian Mounted Police Pension Continuation Act* (RCMPPCA), I am pleased to submit the report on the actuarial review as at 31 March 2025 of the benefit plan established under Part IV of the RCMPPCA.

Yours sincerely,

Assia Billig, FCIA, FSA, PhD  
Chief Actuary  
Office of the Chief Actuary



## Table of contents

	Page
1 Executive summary .....	3
1.1 Purpose of this actuarial report .....	3
1.2 Future of the Plan .....	3
1.3 Changes since the last valuation .....	4
1.4 Main findings and recommendation .....	4
2 Financial position of the Plan .....	5
2.1 Balance sheet .....	5
2.2 Reconciliation of financial position with previous report .....	6
2.3 Sensitivity analysis of actuarial liabilities to variations in key assumptions .....	8
2.4 Fund balance .....	10
2.5 Disposition of actuarial excess .....	11
3 Demographic and financial projections .....	12
3.1 Membership projections .....	12
3.2 Projection of recorded fund balance .....	13
4 Actuarial opinion .....	14
Appendix - A Summary of plan provisions .....	15
Appendix - B Membership data .....	18
Appendix - C Methodology .....	20
Appendix - D Economic assumptions .....	22
Appendix - E Demographic assumptions .....	23

## List of tables

	Page
Table 1 Balance sheet .....	5
Table 2 Reconciliation of financial position.....	6
Table 3 Experience gains and (losses).....	6
Table 4 Change in actuarial assumptions.....	7
Table 5 Fund balance .....	10
Table 6 Recommended benefit improvements .....	11
Table 7 Number of members and widows.....	12
Table 8 Members data .....	18
Table 9 Widows data.....	19
Table 10 Reconciliation of membership.....	19
Table 11 Economic assumptions.....	22
Table 12 Plan year 2026 mortality rates .....	23
Table 13 Future annual mortality improvement rates.....	24
Table 14 Assumptions for prospective widows.....	24

## List of charts

Chart 1 Historical trends of sensitivity to key assumptions.....	9
Chart 2 Recorded fund balance .....	13

## 1 Executive summary

### 1.1 Purpose of this actuarial report

This actuarial review of the benefit plan (Plan) governed by Part IV of the *Royal Canadian Mounted Police Pension Continuation Act* (RCMPPCA) was made as at 31 March 2025 pursuant to section 56 of the RCMPPCA. The previous review was made as at 31 March 2022.

In accordance with accepted actuarial practice and the RCMPPCA, the main purposes of this actuarial report are:

- to show an estimate of the balance sheet as at the valuation date,
- to compare the actual and expected experience under the Plan during the intervaluation period and to reconcile the change in the financial position of the Plan since the last actuarial report, and
- to recommend measures to deal with the actuarial excess.

Although the RCMPPCA requires that an actuarial review be undertaken every five years, we recommend, as has been the previous practice, that the next actuarial review be no later than three years from this review, namely 31 March 2028.

**This report is intended solely for the above purposes. It was prepared to meet those specific objectives and may not be suitable for any other purposes prior to obtaining approval from the Office of the Chief Actuary (OCA).**

### 1.2 Future of the Plan

The Plan's membership has been declining steadily since 1948 as the Plan was then closed to new entrants. Also, the last plan member retired from active duty in 1987. Therefore, the recorded balance of the RCMP (Dependants) Pension Fund (the Fund) is estimated to decline steadily as the benefits are paid out to widows. Based on the best-estimate mortality assumptions of this report, there would be no members or widows in the Plan by the end of plan year 2047.

A best-estimate mortality assumption is selected in such a way that it projects a smooth long-term mortality experience of a sufficiently large group. However, as the group size diminishes, random fluctuations play a larger role in mortality experience. This has been demonstrated in the experience gains and losses analysis section of the past reports which shows significant deviation between actual and expected mortality results. It is expected that these significant gains or losses may arise more frequently with each passing year as the number of members and widows continues to decrease.

The decreasing number of members and widows as well as their high age poses a challenge in the selection of the mortality assumption as the experience is not credible. Furthermore, the sensitivity of the actuarial liability to the mortality assumption increases.

In this context, keeping the same procedure of preparing actuarial valuations and reviewing the rate of benefit increases every three years may result in significant changes in the rate of benefit increases from one actuarial valuation to the next.

In addition, as the number of survivors is decreasing, there is a possibility that a future potential surplus be distributed to a small number of remaining survivors in the future.

### 1.3 Changes since the last valuation

During the intervaluation period there were no changes to the plan provisions, which are summarized in Appendix A. However, the Governor in Council made benefit improvements in accordance with the excess distribution recommendations in the 2022 actuarial report on the Plan. The improvements were effective pension increases of 5.0% as at 1 April 2023, and 1.2% as at 1 April 2024 and 1 April 2025. There were also increases in the lump sum death benefit payable on the death of a member and in the residual amount payable on the early death of a widow.

The Fund yield and mortality assumptions were revised for this valuation. These changes are discussed respectively in Appendix C and Appendix D.

### 1.4 Main findings and recommendation

- As at 31 March 2025 (i.e. the end of the 2025 plan year<sup>1</sup>), the Plan had an actuarial excess of \$1.1 million (\$0.5 million as at 31 March 2022), being the excess of the recorded balance of the Fund of \$4.2 million over the actuarial liabilities of \$3.1 million.
- It is recommended that an annual benefit increase of 16.2% be applied for 3 years effective 1 April 2026. Benefit improvements for subsequent years will be determined in the actuarial review as at 31 March 2028 and will reflect actual experience, which could be significantly different than expected. The recommended benefit improvements until the next actuarial review as at 31 March 2028 are detailed as follows:
  - a pension increase for current and prospective widows of 16.2% as at 1 April 2026, 1 April 2027 and 1 April 2028;
  - an increase in the lump sum benefit payable upon the death of a member of 16.2% as at 1 April 2026, 1 April 2027 and 1 April 2028; and
  - an increase in residual amount payable on the death of a widow of a member who dies in the 2027, 2028 or 2029 plan years, obtained by increasing the member's deemed contributions as at 1 April 2025 by 16.2% on 1 April 2026, 1 April 2027 and 1 April 2028. Increases by year of death may be found in Table 6.
- The higher benefit increases for 3 years from 1 April 2026 primarily reflects, to a certain extent, recent plan experience. Consequently, it allows the distribution of a larger proportion of the excess to current widows and current members' prospective widows.

---

<sup>1</sup> Any reference to a given plan year in this report should be taken as the 12-month period ending 31 March of the given year.

## 2 Financial position of the Plan

### 2.1 Balance sheet

The following balance sheet is based on the plan provisions described in Appendix A, the cumulative dividends in effect as at 1 April 2025, and the data and actuarial assumptions described in following sections. Previous valuation results as at 31 March 2022 are shown for comparison.

Table 1 Balance sheet (dollars)	As at 31 March 2025	As at 31 March 2022
<b>Recorded fund balance</b>		
Fund balance	4,224,000	7,496,000
Actuarial value of instalments in pay by members	-	2,000
<b>Total recorded fund balance</b>	<b>4,224,000</b>	<b>7,498,000</b>
<b>Actuarial liabilities</b>		
Benefits accrued by members		
· widow pensions	33,000	311,000
· lump sums on death without a widow	136,000	938,000
Widow pensions in pay	2,679,000	5,535,000
Outstanding payments <sup>a</sup>	274,000	220,000
<b>Total actuarial liabilities</b>	<b>3,122,000</b>	<b>7,004,000</b>
<b>Actuarial excess</b>	<b>1,102,000</b>	<b>494,000</b>

a. Lump sum payments not yet made as at the valuation date for member's or widow's deaths that occurred before that date.

The actuarial excess of \$1.1 million represents 35.3% of the actuarial liabilities of \$3.1 million.

## 2.2 Reconciliation of financial position with previous report

Table 2 presents the reconciliation of the changes in actuarial excess of the Plan. Figures in brackets indicate negative amounts. Explanations of the elements largely responsible for the changes follow the table.

Table 2 Reconciliation of financial position As at 31 March 2025 (dollars)	
<b>Actuarial excess as at 31 March 2022</b>	<b>494,000</b>
Cost of 2023, 2024 and 2025 benefit increases	<u>(358,000)</u>
<b>Updated actuarial excess as at 31 March 2022</b>	<b>136,000</b>
Interest on excess	<u>13,000</u>
<b>Expected actuarial excess as at 31 March 2025</b>	<b>149,000</b>
Experience gains and (losses)	866,000
Change in actuarial assumptions	87,000
<b>Actuarial excess as at 31 March 2025</b>	<b>1,102,000</b>

### 2.2.1 Cost of 2023, 2024 and 2025 benefits increases

Benefit improvements in accordance with the excess distribution recommendations of the previous report were approved and the excess as at 31 March 2022 decreased by \$358,000<sup>2</sup>.

### 2.2.2 Interest on excess

The expected interest to 31 March 2025 on the updated excess as at 31 March 2022 amounts to \$13,000.

### 2.2.3 Experience gains and (losses)

Since the previous valuation, the actuarial excess increased by \$866,000 due to actuarial gains and (losses) as described in the following table.

Table 3 Experience gains and (losses) (dollars)	
Mortality of widows	814,000
Age of new widows	72,000
Mortality of members	(10,000)
Proportion married	(23,000)
Interest rates	12,000
Miscellaneous	1,000
<b>Net experience gains and (losses)</b>	<b>866,000</b>

<sup>2</sup> Based on membership data as at 31 March 2022

- a) Mortality of widows
- During the three years ended 31 March 2025, the 30 reported widow deaths represented 142% of the 21.2 deaths expected in accordance with the assumption in the previous valuation. The Plan recorded an experience gain of \$814,000.
- b) Age of new widows
- The new widows during the three-year period were older than expected. The Plan recorded an experience gain of \$72,000.
- c) Mortality of members
- During the three years ended 31 March 2025, the 8 reported member deaths amounted to 118% of the 6.8 deaths expected in accordance with the assumption in the previous valuation. The Plan recorded an experience loss of \$10,000.
- d) Proportion married
- During the three years ended 31 March 2025, the new widows have higher benefit amounts than expected. As a result, the Plan recorded an experience loss of \$23,000.
- e) Interest rates
- In the previous valuation, the Fund was assumed to be credited with interest at an average annual rate of 3.10% during the three years ended 31 March 2025. The actual average annual rate was 3.17%, leading to an experience gain of \$12,000.

#### 2.2.4 Change in actuarial assumptions

Actuarial assumptions were revised as described in Appendix D and Appendix E. The actuarial excess increased by \$87,000, due to the following revisions.

Mortality of widows	83,000
Mortality of members	(1,000)
Interest rates	5,000
<b>Net impact of revision</b>	<b>87,000</b>

- a) Mortality of widows
- Both components of the mortality basis for widows, namely the rates assumed for the 2026 plan year and the annual reduction factors applied to those rates in subsequent years, were revised for this valuation. As a result, the actuarial excess increased by \$83,000.

b) Mortality of members

- Both components of the mortality basis for members, namely the rates assumed for the 2026 plan year and the annual reduction factors applied to those rates in subsequent years, were revised. As a result, the actuarial excess decreased by \$1,000.

c) Interest rates

- The interest rates for this valuation are shown in Appendix D and were developed by the procedure described in Appendix C. The Fund yield over the projected lifetime of the Plan on average is only slightly higher than in the previous valuation. For example, the average Fund yield in this valuation is 4 basis points higher over the next 5 years and 5 basis points higher over the next 15 years. The adoption of the revised interest assumption caused the actuarial excess to increase by \$5,000.

### 2.3 Sensitivity analysis of actuarial liabilities to variations in key assumptions

The supplementary estimates shown below indicate the degree to which the actuarial liabilities as at 31 March 2025 of \$2,848,000 (before taking into consideration the outstanding payments) shown in the balance sheet depend on some key assumptions. The actuarial liability changes can also serve to approximate the effect of other numerical variations in each key assumption, to the extent that such effects are linear. Note that there are only a few members in the Plan; as such, the assumptions related to members no longer have significant impacts.

#### 2.3.1 Fund yield

If the Fund yield (i.e., interest rate) assumption would increase by 1% in each future year, the actuarial liabilities would decrease by \$97,000 (i.e. by 3.4%).

If the fund yield assumption would decrease by 1% in each future year, the actuarial liabilities would increase by \$105,000 (i.e. by 3.7%).

#### 2.3.2 Mortality of widows

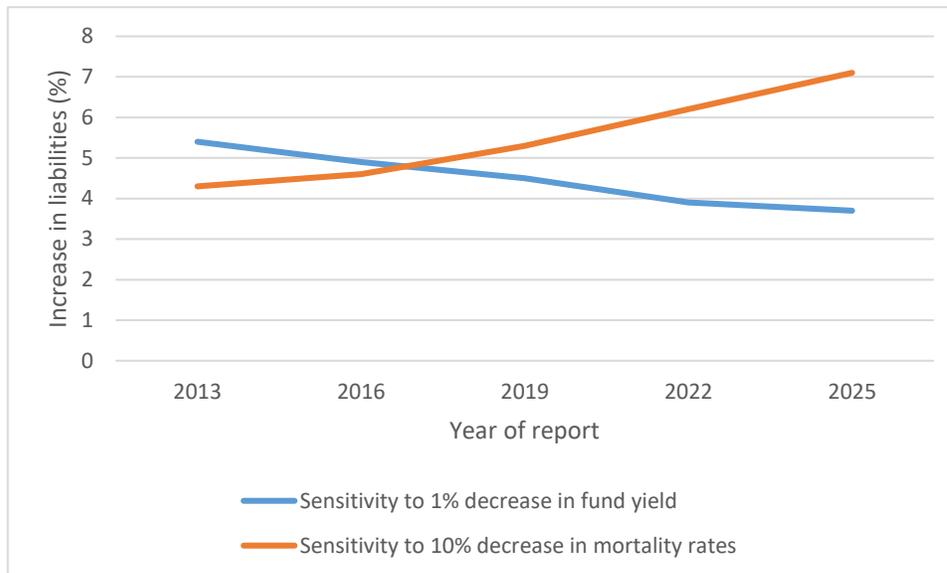
If the mortality rates assumed for widows in each future year were reduced by 10%, the actuarial liabilities would increase by \$201,000 (i.e. by 7.1%).

If the assumed mortality improvement rates for widows after the 2026 plan year (see Appendix E) were not realized, the actuarial liabilities would decrease by \$41,000 (i.e. by 1.4%).

#### 2.3.3 Historical trends of assumptions sensitivity

As shown in the present section, the sensitivity of the actuarial liabilities of the Plan to the main assumptions are unusual for a pension plan. The fund yield is usually the assumption with the most impact on the actuarial liabilities. The unique demographics of the Plan make its actuarial liabilities more sensitive to the mortality rates assumption than to the fund yield.

Chart 1 shows the sensitivity to the fund yield and mortality rates assumptions since 2013. It shows that the sensitivity of the liabilities to the decrease in fund yield assumption has been steadily decreasing, while the sensitivity of the liabilities to the decrease in mortality rates assumption has been steadily increasing over time. We expect that the sensitivity of the liabilities to the mortality rate assumption will continue to increase as the number of plan members and widows diminishes.

**Chart 1 Historical trends of sensitivity to key assumptions**

## 2.4 Fund balance

### 2.4.1 RCMP (Dependants) Pension Fund

Member contributions and benefits earned under Part IV of the RCMPPCA are tracked entirely through the RCMP (Dependants) Pension Fund, which forms part of the Public Accounts of Canada. The Fund is:

- credited with all contributions made by members;
- charged with the benefit payments made; and,
- credited with interest, as though net cash flows were invested with other public pension plans' cash flows in 20-year Government of Canada bonds issued at prescribed interest rates and held to maturity. Interest is credited every three months to the Fund on the basis of the actual average yield for the same period on the combined Superannuation Accounts of the Public Service, Canadian Forces – Regular Forces, and RCMP pension plans.

No formal debt instrument is issued to the Fund by the Government in recognition of the amounts therein.

### 2.4.2 Reconciliation

The following table shows the reconciliation of the Fund balance from the previous valuation date to the current valuation date. The Fund entries shown below were provided and certified by the RCMP Pension Accounting Unit. During the intervaluation period, the Fund balance decreased by \$3,272,000 (i.e., 43.6%) to \$ 4,224,000 as at 31 March 2025.

Plan year	2023	2024	2025
<b>Opening balance</b>	7,496,370	6,475,374	5,117,176
<b>Receipts and other credits</b>			
Contributions	644	537	141
Interest	222,283	183,821	140,281
Sub-total	7,719,297	6,659,732	5,257,598
<b>Payments and other charges</b>			
Annuities	1,233,043	994,045	788,032
Lump sum payments	10,880	548,511	245,303
Return of contributions	-	-	-
Sub-total	1,243,923	1,542,556	1,033,335
<b>Closing balance</b>	<b>6,475,374</b>	<b>5,117,176</b>	<b>4,224,263</b>

### 2.4.3 Interest earnings

The interest earnings on the Fund in plan years 2023, 2024 and 2025 were 3.2%, 3.2% and 3.0% respectively. They were calculated based on the assumption that instalment payments, survivor pension benefits and lump sum benefits were made in the middle of the year.

## 2.5 Disposition of actuarial excess

In past actuarial reports where an actuarial excess was identified, a portion of this excess was applied to provide benefit improvements for the three years following the actuarial valuation while the remaining excess was retained for future potential benefit increases. For this valuation, given the significant actuarial excess, it is recommended to have higher benefit increases for the three years following the actuarial valuation, which would then be followed by lower benefit increases throughout the lifetime of the Plan. This would reduce the risk of distributing a larger excess to a smaller number of widows in the future.

As a result, it is recommended to provide for an increase rate of 16.2% as at 1 April 2026, 1 April 2027 and 1 April 2028<sup>3</sup>.

The abovementioned increases would be followed by an annual increase of 2.0% onwards, which is determined such that the actuarial excess would be used over the expected remaining life of the Plan assuming the experience of the Plan would develop according to the best-estimate assumptions established in this report. However, actual economic and demographic experience could be significantly different than expected, which could result in large fluctuations in the rate of benefit increases in the future. Due to increasing sensitivity of the result to the mortality assumption, these fluctuations are expected to increase over time. The benefit improvements should be re-assessed in the next actuarial review.

The following table presents the recommended benefit improvements until the next actuarial review.

**Table 6 Recommended benefit improvements**

Pension and residual amount increase for current and prospective widows			
Effective date	Additional dividend	Cumulative dividend	Effective increase
1 April 2026	268%	1,825%	16.2%
1 April 2027	312%	2,137%	16.2%
1 April 2028	362%	2,499%	16.2%

Increase in lump sum payable upon death of a member			
Effective date	Additional dividend	Cumulative dividend	Effective increase
1 April 2026	157%	1,029%	16.2%
1 April 2027	183%	1,212%	16.2%
1 April 2028	213%	1,425%	16.2%

<sup>3</sup> A few scenarios were performed to determine the appropriate benefit increases. The increase of 16.2% per annum for 3 years starting from 1 April 2026 is recommended since the greater increases earlier reflects largely the plan experience while the remaining actuarial excess could still allow for a meaningful annual increase thereafter.

### 3 Demographic and financial projections

#### 3.1 Membership projections

On the basis of the demographic assumptions described in Appendix E, the member and widow populations were projected over the expected remaining lifetime of the Plan.

Table 7 Number of members and widows<sup>a</sup>

As at 31 March	Members	Widows
Historical		
2001	193	176
2004	165	171
2007	125	149
2010	97	144
2013	65	132
2016	44	97
2022	23	78
2020	12	73
2021	12	65
2022	11	55
2023	9	49
2024	4	37
2025	3	26
Projected		
2026	1	22
2027	1	18
2028	0	15
2031	0	7
2034	0	3
2037	0	2
2040	0	1
2046	0	1
2047	0	0

a. Numbers are rounded to the nearest integer.

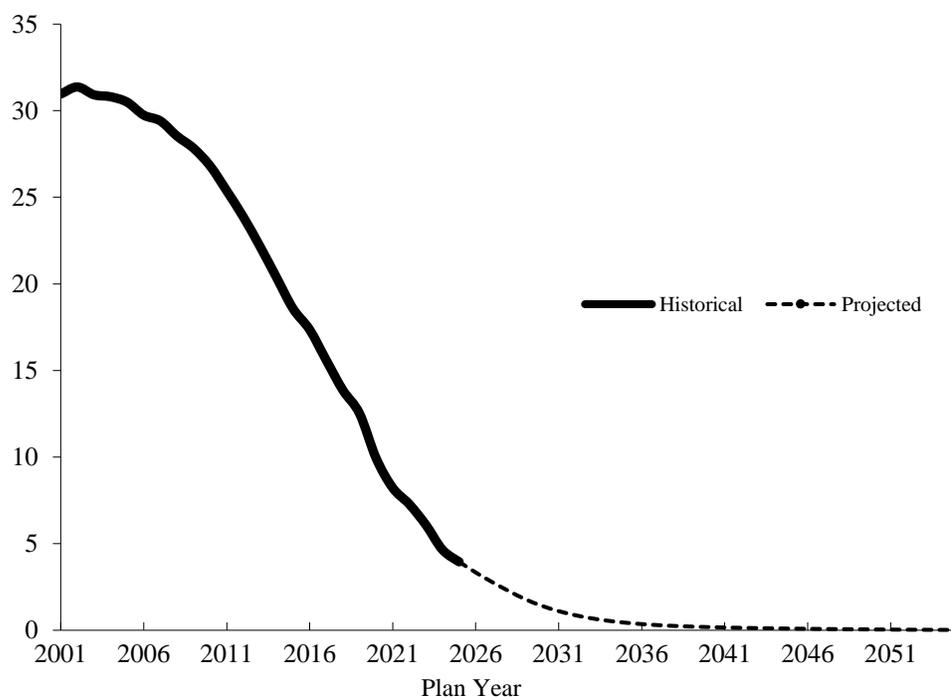
Over the last decade, the number of members has fallen steadily so that only 3 members remain at 31 March 2025 (11 as at 31 March 2022). This trend is projected to continue until the death of the last member, which is expected in plan year 2028. The number of widows was 26 as at 31 March 2025 (55 as at 31 March 2022). A steady decline is expected thereafter, with the last widow expected to survive to plan year 2047 (2049 in the 2022 valuation).

Emerging mortality experience will be subject to statistical fluctuations. Consequently, the actual membership statistics will deviate, perhaps materially, due to the relatively small number of participants.

### 3.2 Projection of recorded fund balance

Using the assumptions described in Appendix D and E, the recorded balance of the Fund was projected assuming annual benefits improvements of 16.2% effective 1 April 2026, 1 April 2027, and 1 April 2028 followed by 2.0% on each subsequent April 1<sup>st</sup>. The total outstanding payments of \$274,000 shown in the balance sheet were assumed to be made on 1 April 2026.

**Chart 2 Recorded fund balance**  
(\$ millions)



As shown in Chart 2, the recorded balance of the Fund reached its maximum of \$31.4 million on 31 March 2002. If the experience of the Plan develops according to the assumptions and benefit improvements of 16.2% on 1 April 2026, 1 April 2027, and 1 April 2028, followed by 2.0% on each subsequent April 1<sup>st</sup>, the recorded balance of the Fund assets is expected to decline steadily until it reaches \$0 in plan year 2047, when the last expected payment is made. If there is any shortfall, it would be charged to the Government.

The actual evolution of the recorded balance of the Fund will be influenced by several variables, for example, the statistical mortality fluctuations affecting the membership projections and the interest rates.

## 4 Actuarial opinion

In our opinion, considering that this report was prepared pursuant to the *Royal Canadian Mounted Police Pension Continuation Act*,

- the valuation data on which the valuation is based are sufficient and reliable for the purposes of the valuation;
- the assumptions used are individually reasonable and appropriate in the aggregate for the purposes of the valuation; and
- the methods employed are appropriate for the purposes of the valuation.

This report has been prepared, and our opinions given, in accordance with accepted actuarial practice in Canada. In particular, this report was prepared in accordance with the Standards of Practice (General Standards and Practice – Specific Standards for Pension Plans) published by the Canadian Institute of Actuaries.

To the best of our knowledge, and after discussions with the Royal Canadian Mounted Police, as of the date of the signing report, we have not learned of any subsequent events that would have a material impact on the results of this valuation.

---

Assia Billig, FCIA, FSA  
Chief Actuary

---

Alexandre Larose, FCIA, FSA

---

Hao Chen, FCIA, FSA

Ottawa, Canada  
22 January 2026

## Appendix - A Summary of plan provisions

The provisions of the benefit plan governed by Part IV of the *Royal Canadian Mounted Police Pension Continuation Act* (RCMPPCA) are summarized in this appendix. However, the RCMPPCA shall prevail if there is any discrepancy between the RCMPPCA and this summary.

### A.1 History of the Plan

The benefit plan associated with the Royal Canadian Mounted Police (Dependants) Pension Fund was established in 1934 when Part IV was added to the *Royal Canadian Mounted Police Act* (RCMP Act). Plan membership was optional for constables on active duty on 1 October 1934; however, it was mandatory for constables appointed to the Force thereafter.

In 1948, Part V (a new pension arrangement) was added to the RCMP Act. Plan members who elected to become contributors under Part V were required to either suspend or terminate their participation in the Plan. Moreover, the Plan was then closed to any new entrants except certain constables whose continuous service dated back to 1 October 1934 or earlier. Lastly, the Plan was amended so that the government assumed responsibility for any shortfall in the Fund.

In 1959, the *Royal Canadian Mounted Police Superannuation Act* and the *Royal Canadian Mounted Police Pension Continuation Act* were enacted to provide for all RCMP pension arrangements. The Plan was transferred to the RCMPPCA, where it remains.

In 1975, the age at which the eligibility of a son for survivor benefits expires was raised from 18 years to 21 years, which already applied to a daughter. In addition, survivor benefits were extended to age 25 for unmarried sons and daughters still in school, subject to certain conditions. Lastly, the 4% annual interest rate that had always been applied to the Fund balance was replaced by the rate applied to the three major Superannuation Accounts (Public Service, Canadian Forces – Regular Forces, and Royal Canadian Mounted Police), which is derived from the yield on a notional long-term bond portfolio (see Appendix C). The resulting higher interest credits have flowed through to members and survivors in the form of more generous benefit increases from 1975 onward.

In 1989, marital status was eliminated as a criterion to determine the eligibility for survivor benefits of a son or daughter between ages 21 and 25. Also eliminated was the provision for reducing the pension of a widow more than 20 years younger than her husband at the date of his death.

In 1993, the Plan was amended to allow the payment of pension to a widow cohabiting with a man to whom she is not married.

### A.2 Membership

As mentioned above, Plan membership was compulsory for constables appointed to the Force from 1934 to 1948. Thereafter, the Plan was essentially closed to new entrants. The last plan member retired from active duty in 1987.

## A.3 Contributions

### A.3.1 Member contributions

#### A.3.1.1 Current service

To purchase current service benefits, a member on active duty contributed 5% of pay together with any supplementary amounts in accordance with the scale set out in the RCMPPCA.

#### A.3.1.2 Past service

A member on active duty could elect to contribute, either in a lump sum or by equivalent<sup>4</sup> instalments, to purchase benefits in respect of any period of eligible past service, based on his rate of pay at the date of election. Similarly, on promotion to or within the ranks of non-commissioned officers, he could elect to partially or fully upgrade the accrued benefits.

### A.3.2 Government contributions

The RCMPPCA requires the Government of Canada to make contributions only to re-establish the solvency of the Fund. Every valuation to date has revealed an actuarial excess and therefore no government contribution has ever been credited to the Fund.

## A.4 Interest earnings

Interest is credited every three months to the Fund on the basis of the yield in the preceding quarter on the notional bond portfolio underlying the combined Superannuation Accounts of the Public Service, Canadian Forces – Regular Forces, and Royal Canadian Mounted Police pension plans.

## A.5 Basic death benefits

The amount of basic benefit is determined solely in accordance with the terms of the RCMPPCA, without reference to any cumulative dividend (see subsection A.6 below) that may be payable. A lump sum or pension benefits, as applicable, are payable on the death of a member who has made the scheduled contributions and had left them in the Fund.

### A.5.1 Widow pensions

A widow is entitled to the pension purchased by the member's contributions at the rates specified in Table II of the Schedule to the RCMPPCA. In many cases, the pension is approximately equal to 1.5% of the member's final pay multiplied by his years of credited service. The pension is payable for life. If a widow dies before receiving payments at least equal to the member's contributions, then a residual amount is payable.

### A.5.2 Lump sum benefits

If a member is not survived by a widow, a lump sum payment is made to the dependants and relatives of the member who are, in the opinion of the Minister having control and management of the Force, best entitled to share the benefit. The lump sum amount is equal to the present value<sup>5</sup> of a hypothetical pension payable to a 75-year-old widow.

---

<sup>4</sup> Based on the mortality rates of the CM(5) Table with interest at 4% per annum.

<sup>5</sup> Based on the mortality rates of the a(f) Ultimate Table with interest at 4% per annum.

### A.5.3 Benefit limitation

The basic pension payable to the widow of a member who married after age 60 is reduced to ensure that the present value<sup>7</sup> of her pension does not exceed the lump sum otherwise payable on his death.

### A.6 Cumulative dividends on basic death benefits

If the Fund balance is substantially in excess of the amount required to make adequate provision for the prospective payments to be made out of it, the Governor in Council may by order increase all the plan benefits, or any of them, in such manner as may appear equitable and expedient.

Until 31 March 1991, the benefit increases took the form of cumulative dividend percentages applied equally to all basic death benefits except the residual amount payable on the early death of a widow. Effective 1 April 1991, separate cumulative dividend percentages for lump sum benefits and for pensions to widows were introduced. At the same time, cumulative dividends first became applicable to the residual amount payable on the early death of a widow. Dividend rates as at 31 March 2025 are 1,557% for pension and residual benefits, and 872% for lump sums payable on member deaths.

The cumulative dividends that may be declared are not subject to the limitations on the basic death benefits described in subsection A.5.3 above.

### A.7 Withdrawal benefits

A member can elect at any time to withdraw his contributions from the Fund, without interest; neither he nor any of his dependants has any entitlement under the Plan thereafter.

### A.8 Instalment payments

A member can elect at any time to discontinue instalment payments being made in respect of a past service election. The present value<sup>6</sup> of the discontinued payments is thereupon converted into an equivalent<sup>7</sup> amount of basic death benefit and his accrued basic death benefit is reduced accordingly. In turn, this causes a reduction in the amount of the cumulative dividend.

If a member dies while making instalment payments, his entitlement under the Plan remains unchanged because all required payments are deemed to have been made.

---

<sup>6</sup> Based on the mortality rates of the CM(5) Table with interest at 4% per annum.

<sup>7</sup> Based on the rates in Table II of the RCMPPCA.

## Appendix - B Membership data

### B.1 Source

The individual data in respect of members and widows as at 31 March 2025 are shown in the summaries of data in this appendix. Data on widows were supplied by Public Service and Procurement Canada (PSPC), which is responsible for the payment of benefits.

### B.2 Validation

We performed certain tests of internal consistency, as well as tests of consistency with the data used in the previous valuation, with respect to membership reconciliation, basic information (date of birth, sex, etc.) and pensions to survivors.

### B.3 Data summary

In this report, member means a former contributor whose contributions are still credited to the Fund and widow means a widow whose pension is charged against the Fund. All members are males and all surviving spouses are widows. There is no child annuity in course of payment as at 31 March 2025.

The membership data is summarized in the following tables.

Table 8 Members data		Spouse's accrued annual pension <sup>a,b</sup>	
As at 31 March 2025			
Age last birthday	Number <sup>c</sup>	Average (\$)	Total (\$)
95-99	2	30,889	61,778
100+	1	*	*
All ages	3	*	*

Average age: 101.8 years

- Amounts reflect the basic pension together with the 1,557% cumulative dividend effective as at 1 April 2025.
- Certain values are obscured by an asterisk to protect confidentiality of plan members.
- Of these members, one member was making instalment payments for life in respect of past service elections. The annual amount of those instalments was \$141.

**Table 9** Widows data  
As at 31 March 2025

Age last birthday	Number	Annual pension payments <sup>a</sup>	
		Average (\$)	Total (\$)
Less than 85	2	24,318	48,636
85-89	2	19,511	39,022
90-94	11	28,210	310,310
95+	11	21,060	231,660
All ages	26	24,217	629,628
Average age: 93.4 years			

a. Amounts reflect the basic pension together with the 1,557% cumulative dividend effective as at 1 April 2025.

#### B.4 Reconciliation

The following table derived from the basic data reconciles the numbers of members and widows as at 31 March 2025 with the numbers shown in the previous report.

**Table 10** Reconciliation of membership

	Members	Widows
As at 31 March 2022	11	55
Data correction	-	-
Deaths with survivors	(1)	1
Deaths without survivors	(7)	(30)
As at 31 March 2025	3	26

## Appendix - C Methodology

### C.1 Royal Canadian Mounted Police (Dependants) Pension Fund

The balance in the Royal Canadian Mounted Police (Dependants) Pension Fund forms part of the Public Accounts of Canada. The underlying notional bond portfolio described in Section 2.4 is shown at the book value.

The only other Fund-related amount consists of the value, discounted in accordance with the projected Fund yields described in Section C.3 below and shown in Appendix D, of all future instalment payments by members in respect of past service elections made by 31 March 1987, which is when the last plan member retired from active duty.

### C.2 Actuarial liabilities

#### C.2.1 Members

The actuarial liabilities in respect of the members as at the valuation date correspond to the value, discounted in accordance with the actuarial assumptions, of all future benefits accrued as at that date in respect of service as an active member of the Force. The last benefit improvements approved by the Governor in Council were assumed to be fixed at 1,557% for pensions and 872% for lump sums payable on member deaths.

#### C.2.2 Widows

The actuarial liabilities in respect of the widows as at the valuation date correspond to the value, discounted in accordance with the actuarial assumptions, of all future benefits as at that date to which those widows are entitled. The last benefit improvements approved by the Governor in Council were assumed to be fixed at 1,557%.

### C.3 Projected yields on the Fund

The government applies the same quarterly interest credits to the Fund as it does to the three major Superannuation Accounts (Public Service, Canadian Forces – Regular Forces, and Royal Canadian Mounted Police). The projected yields (shown in Appendix D) assumed in computing the liabilities are the projected annual yields on the combined book value of the three major Superannuation Accounts.

The projected yields were determined by an iterative process involving the interest credits on the notional bond portfolio of the three accounts as at the valuation date, the assumed future new money interest rates (also shown in Appendix D), and the assumed future combined cash flows for the three accounts. This approach is in accordance with legislation, common to the three foregoing pension plans, stipulating that the average yield on the combined accounts is to be used in allocating aggregate interest earnings to each of the three accounts.

#### C.4 Utilization of actuarial excess

For this valuation, it is recommended that an annual benefit increase of 16.2% be applied effective 1 April 2026, 1 April 2027, and 1 April 2028, for pensions and residual amounts payable to current and prospective widows as well as for lump sums payable upon the death of a member.

The subsequent annual level of improvements of 2.0% was determined such that the actuarial excess would be used over the expected remaining life of the Plan assuming the experience of the Plan would develop according to the best-estimate assumptions established in this report.

## Appendix - D Economic assumptions

### D.1 Interest assumptions

The interest assumptions were changed for this valuation. Recognizing recent experience, the rate of return on long-term government of Canada bonds (new money rate) is assumed to be 3.5% for plan year 2026. The rate increases to 3.6% for plan year 2027 then increases gradually and reaches its ultimate rate of 4.0% per annum in plan year 2036. This ultimate rate is the same as previous valuation and is reached in plan year 2036 (2034 in previous valuation). However, the ultimate rate has little impact on the Plan given that the Plan's expected life is short. The Fund yield assumption, derived as described in Appendix C, is marginally higher than those used in the previous valuation throughout the future period of benefit payments. They are as follows.

Table 11 Economic assumptions

Plan year	Interest rates (%)	
	New money	Fund yield
2026	3.5	3.0
2027	3.6	2.9
2028	3.7	2.8
2029	3.8	2.8
2030	3.9	2.7
2031	3.9	2.7
2032	3.9	2.6
2033	3.9	2.6
2034	3.9	2.7
2035	3.9	2.7
2036	4.0	2.7
2037	4.0	2.8
2038	4.0	2.9
2039	4.0	3.0
2040	4.0	3.2
2041	4.0	3.4
2042	4.0	3.6
2043	4.0	3.8
2044	4.0	3.8
2045	4.0	3.9
2046+	4.0	4.0

### D.2 Administrative expenses

As in the previous valuation, the expenses incurred for the administration of the Plan are assumed to be nil. These expenses, which are not charged against the Fund, are borne entirely by the government and are commingled with all other government expenses.

## Appendix - E Demographic assumptions

The demographic assumptions are presented below.

### E.1 New entrants

As in the previous valuation, because the Plan is closed to new entrants, it is assumed that there would be no future new entrants.

### E.2 Withdrawal rates

As in the previous valuation, no members are assumed to withdraw from the Plan.

### E.3 Mortality

Assumed rates of mortality applicable to members were changed for this valuation. They correspond to the plan year 2026 mortality rates for male Regular Members from the actuarial report on the pension plan for the Royal Canadian Mounted Police as at 31 March 2024<sup>8</sup>.

Assumed rates of mortality applicable to widows were changed for this valuation. They correspond to the plan year 2026 mortality rates for female surviving spouses from the actuarial report on the pension plan for the Royal Canadian Mounted Police as at 31 March 2024<sup>8</sup>.

**Table 12 Plan year 2026 mortality rates**  
(per 1,000 individuals)

Age last birthday	Plan year 2026 mortality rates	
	Members	Widows
65	6.3	8.4
75	19.8	22.7
85	72.5	63.5
95	247.3	198.7
105	481.7	448.8
115	1000.0	1000.0

Mortality rates are reduced in the future in accordance with the same mortality improvement rates assumption used in the actuarial report on the pension plan for the Royal Canadian Mounted Police as at 31 March 2024.

Assumed future annual mortality improvement rates are shown in the following table.

<sup>8</sup> Mortality rates and mortality improvement rates in the actuarial report on the pension plan for the Royal Canadian Mounted Police as at 31 March 2024 are on the age nearest basis; they are converted to be on age last basis for this valuation.

**Table 13 Future annual mortality improvement rates**  
(in percentage)

Age last birthday	Members		Widows	
	2027	2040+	2027	2040+
65	1.57	1.00	1.32	1.00
75	1.50	1.00	1.05	1.00
85	1.66	1.00	1.29	1.00
95	0.79	0.48	0.83	0.48
105	0.23	0.15	0.34	0.15
115	-	-	-	-

#### E.4 Prospective widows and eligible children

Table 14 shows the proportion of members assumed to leave, upon death, a widow eligible for a pension from the Plan. Also shown is the assumed age difference between spouses. Both assumptions are unchanged from the previous valuation.

**Table 14 Assumptions for prospective widows**

Age last birthday of member at death	Proportion of members married	Age <sup>a</sup> difference
95	0.31	(6)
100	0.16	(8)
105	0.07	(11)
110	0.03	(14)
115	0.01	(18)

a. Age of widow less age of participant, both calculated at death of participant

Taking into account the advanced ages of the current members, the assumption that no member would be survived by a child or student eligible to receive an annuity was retained from the previous valuation.