Financial Statements of

## FACILITY ASSOCIATION NOVA SCOTIA RISK SHARING POOL

For the year ended October 31, 2016

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October 31, 2016

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## **Independent Auditor's Report**

To the Members of Facility Association Nova Scotia Risk Sharing Pool

We have audited the accompanying financial statements of Facility Association Nova Scotia Risk Sharing Pool, which comprise the statement of financial position as at October 31, 2016, and the statement of operations, statement of amounts due from members and statement of cash flows for the year then ended, and a summary of significant accounting policies and other explanatory information.

#### Management's Responsibility for the Financial Statements

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

#### **Auditor's Responsibility**

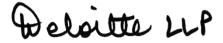
Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the 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 financial statements.

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

#### **Opinion**

In our opinion, the financial statements present fairly, in all material respects, the financial position of Facility Association Nova Scotia Risk Sharing Pool as at October 31, 2016, and its financial performance and its cash flows for the year then ended in accordance with International Financial Reporting Standards.



Chartered Professional Accountants Licensed Public Accountants February 22, 2017



#### **APPOINTED ACTUARY'S REPORT**

To the Members of Facility Association Nova Scotia Risk Sharing Pool

I have valued the policy liabilities of the Facility Association Nova Scotia Risk Sharing Pool for its statement of financial position at 31 October 2016 and their changes in the statement of income for the year then ended in accordance with accepted actuarial practice in Canada, including selection of appropriate assumptions and methods.

In my opinion, the amount of policy liabilities makes appropriate provision for all policy obligations and the financial statements fairly present the results of the valuation.

Toronto, Ontario 22 February 2017

Liam M. McFarlane

Fellow, Canadian Institute of Actuaries

## FACILITY ASSOCIATION NOVA SCOTIA RISK SHARING POOL Statement of Financial Position

(in thousands of Canadian dollars)

		0	ctober 31,		October 31,
As at	Note		2016		2015
ASSETS					
Cash in bank		\$	511	\$	484
Accounts receivable from members	6		604		1,077
Funds held by members	9		12,095		11,909
Amounts due from members			33,909		28,547
		\$	47,119	\$	42,017
LIABILITIES  Accounts payable to members		s	990	s	1,415
Accounts payable to the Residual Market and				•	2,120
Uninsured Automobile Funds	11		118		142
Other accounts payable			16		18
Premium deficiency reserve	7		783		959
Unearned premium liabilities	7		8,843		8,069
Provision for claims liabilities	8		36,369		31,414
		\$	47,119	\$	42,017

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APPROVED BY THE BOARD

Director

February 22, 2017

Date

# Statement of Operations (in thousands of Canadian dollars)

For the year ended October 31	Note	2016	2015
UNDERWRITING REVENUE			
Premiums written		\$ 15,524	\$ 14,521
Increase in unearned premium liabilities		(774)	(577)
PREMIUMS EARNED		14,750	13,944
UNDERWRITING EXPENSES			
Claims and claims expenses incurred	10	14,435	14,353
(Decrease) increase in premium deficiency reserve		(176)	529
Expense allowance		5,399	4,989
TOTAL UNDERWRITING EXPENSES		19,658	19,871
UNDERWRITING LOSS		(4,908)	(5,927)
UNDERWALLING E033		(4,500)	(3,927)
ADMINISTRATIVE EXPENSES	11	454	520
DEFICIENCY OF REVENUE OVER EXPENSES		\$ (5,362)	\$ (6,447)

## **Statement of Amounts Due from Members**

(in thousands of Canadian dollars)

For the year ended October 31	2016	2015
BALANCE AT BEGINNING OF YEAR	\$ (28,547)	\$ (22,100)
Deficiency of revenue over expenses		
for the year	(5,362)	(6,447)
BALANCE AT END OF YEAR	\$ (33,909)	\$ (28,547)

## **Statement of Cash Flows**

(in thousands of Canadian dollars)

For the year ended October 31	2016	2015
OPERATING		
Deficiency of revenue over expenses	\$ (5,362)	\$ (6,447)
Adjustments for changes in operating assets and liabilities:		
Accounts receivable from members	473	(70)
Accounts receivable from other pools	-	25
Funds held by members	(186)	248
Accounts payable to members	(425)	215
Premium deficiency reserve	(176)	529
Accounts payable to the Residual Market and		
Uninsured Automobile Funds and other pools	(24)	37
Other accounts payable	(2)	2
Unearned premium liabilities	774	577
Provision for claims liabilities	4,955	5,094
Cash generated from operating activities	\$ 27	\$ 210
NET INCREASE IN CASH IN BANK DURING THE YEAR	27	210
CASH IN BANK, BEGINNING OF YEAR	484	274
CASH IN BANK, END OF YEAR	\$ 511	\$ 484

### **Notes to the Financial Statements**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### **INDEX**

For ease of reference, an index of the notes to the financial statements is provided below.

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### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 1. NATURE OF THE FACILITY ASSOCIATION

The Facility Association Nova Scotia Risk Sharing Pool (the "Nova Scotia RSP") is managed by the Facility Association (the "Association").

The Association, domiciled in Canada, is an unincorporated, non-profit association created on June 28, 1977. The Association manages and accounts for the operations of certain insurance pools on behalf of member insurance companies (the "members"). These insurance pools (collectively referred to as "insurance pools under management") are further described in Note 2 and include the Facility Association Residual Market Segment ("FARM"); the Uninsured Automobile Funds (the "UAFs") for New Brunswick, Newfoundland and Labrador, Prince Edward Island, and Nova Scotia; and the Risk Sharing Pools (the "RSPs") for Ontario, Alberta (Grid and Non-Grid), New Brunswick, and Nova Scotia. The address of the Association's registered office is 777 Bay Street, Suite 2400, Toronto, Ontario, Canada, M5G 2C8.

For the insurance pools under management, the results of the operations, including administration costs incurred by the Association, are allocated to members, who account for their share of the operations of the insurance pools under management in their own financial statements. Certain revenues and related expenses are not accounted for within these insurance pools; rather, they are incurred by members directly and recorded only in each member's own financial statements. The related costs and revenues not accounted for in these financial statements are described in Note 2.

The Association's Board of Directors (the "Board") has the necessary power and authority to conduct the affairs of the Association, with the exception of those powers specifically reserved for or delegated to others by the Articles of Association, in accordance with the Association's Plan of Operation (the "Plan"). The Association administers the sharing among members of the results of the operations of the insurance pools under management. Operating surpluses are provided to members, and operating deficits are funded by members in accordance with the Plan. Accounts receivable from members, funds held by members, amounts due from members, and accounts payable to members do not bear interest.

In accordance with the Plan, Article XIV:

- 1. In the event of failure of any member, through insolvency or otherwise, to pay promptly its portion of any loss or expense after the Board shall have made written demand upon the member to pay such loss or expense, the Board shall report the delinquency to all members.
- 2. If the loss or expense remains unpaid beyond a reasonable period, all of the other members upon notification by the Board shall promptly pay their respective shares of such loss or expense.

Revenue associated with the RSPs is affected by the regulation of automobile premium rates through government regulatory authorities in the jurisdictions in which the Association operates. In general, the associated rate regulatory approval processes can result in the prescription of premium rates at levels other than those individual insurance companies deem appropriate for the risks to be underwritten by them, including the risks transferred to the RSPs. To the extent that insurance companies regard premium rates in the general insurance marketplace to be inadequate, there will tend to be increased usage of the Association's RSPs.

Claims costs are also influenced by actions of the governments of provinces and territories to the extent that the legislation or regulations specify the nature and extent of benefits and other requirements that affect claims costs and the settlement process.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 1. NATURE OF THE FACILITY ASSOCIATION (continued)

The impact on the financial performance and financial position of the RSPs of such government and regulator future actions, whether in relation to rate approval processes, product reform, or other such action, is not determinable.

## 2. FORMATION AND OPERATION OF THE RESIDUAL MARKET SEGMENT, UNINSURED AUTOMOBILE FUNDS, AND RISK SHARING POOLS

The operations of the Association are conducted in accordance with the Plan approved by the member companies. As authorized by statute within each of the jurisdictions noted below, every insurer licensed to write automobile liability insurance is a member of the Association by operation of law.

The Association manages a segment of its members' insurance business. The results of this business flow from the insurance pools under management and are incorporated into the members' overall results, where applicable. The insurance pools under management are as follows:

The FARM provides a residual automobile insurance market for owners and operators of motor
vehicles required by law to have insurance who may otherwise have difficulty obtaining such
insurance in the following provinces and territories: Alberta, Ontario, Nova Scotia, Prince Edward
Island, New Brunswick, Newfoundland and Labrador, Yukon, Northwest Territories, and Nunavut.

Legislation enabling operations of the FARM came into effect as follows:

- in Alberta on October 1, 1979, under *The Alberta Insurance Act*;
- in Ontario on December 1, 1979, under *An Act to Provide for Compulsory Automobile Insurance*:
- in Nova Scotia on July 1, 1981, under *The Nova Scotia Insurance Act*;
- in Prince Edward Island on September 1, 1982, under *The Prince Edward Island Insurance Act*;
- in New Brunswick on July 1, 1983, under The New Brunswick Insurance Act;
- ➤ in Newfoundland and Labrador on November 1, 1985, under *The Newfoundland Insurance Act*;
- in the Yukon on April 30, 1986, under *The Insurance Act of the Yukon*;
- in the Northwest Territories on December 1, 1986, under *The Northwest Territories Insurance Act*; and
- in Nunavut on April 1, 1999, under *The Nunavut Insurance Act*.

Risks cannot be underwritten by the FARM unless they qualify as a residual market risk as defined in the Plan. All underwriting and claims settlement activities are conducted by a small number of members designated as servicing carriers. The servicing carrier who issues the initial policy remains responsible for servicing the policy, including any settlement of claims that may arise from the policy. Servicing carriers are compensated through operating fees, in respect of their underwriting and general administrative services, and claims servicing fees, all of which are specified in the Plan.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

## 2. FORMATION AND OPERATION OF THE RESIDUAL MARKET SEGMENT, UNINSURED AUTOMOBILE FUNDS, AND RISK SHARING POOLS (continued)

Members share in the experience of the FARM in accordance with their participation ratio, reflecting their share of the market by jurisdiction, business segment, and accident year.

• The UAFs for New Brunswick, Newfoundland and Labrador, Prince Edward Island, and Nova Scotia fund valid claims for damages made by persons who cannot obtain satisfaction for damages under a contract of automobile insurance and where there is no other insurance or where other insurance is inadequate with respect to the damages claimed.

The UAFs commenced operations as follows:

- in New Brunswick on March 1, 1990;
- in Newfoundland and Labrador on July 1, 1994;
- in Prince Edward Island on July 14, 1994; and
- in Nova Scotia on July 1, 1996.

The UAFs are governed by the respective provincial insurance acts. The responsibilities of the Association are to manage claims recording, claims adjustment, and payment processes; to allocate to members their share of the experience; and to assess members to fund underwriting deficits. Members share in the experience of the UAFs in accordance with their participation ratio, reflecting their share of the market by jurisdiction and accident year.

• The RSPs operating in Ontario, Alberta (Grid and Non-Grid), New Brunswick, and Nova Scotia provide a means for members to transfer certain of the private passenger use automobile insurance policies they underwrite in the respective jurisdiction.

The RSPs were established under the Plan. For risks that qualify for an RSP, members issue insurance policies on their own accounts and may transfer the whole of the policy or a portion thereof to the RSP, in accordance with the transfer rules set out in the Plan. The member company that issues the initial policy (i.e., the primary writer) remains responsible for servicing the policy, including any settlement of claims that may arise from the policy. An excess of RSP revenue over expenses increases the equity of members, and a deficiency of RSP revenue over expenses decreases the equity of members. The Association funds the operations of the RSP through a monthly sharing among members of the net of premiums received, and the claims and expenses paid.

- ➤ The Ontario Risk Sharing Pool ("Ontario RSP") has operated since January 1, 1993, and is composed of private passenger business as defined in the Plan. Ontario members share in the experience of the Ontario RSP by accident year in relation to their share of the Ontario private passenger market and their usage of the Ontario RSP weighted at 50% each in accordance with the relevant provisions of the Plan.
- > The two Alberta Risk Sharing Pools ("Alberta RSPs") commenced operations on October 1, 2004. The Grid Pool provides a means for Alberta members to transfer private passenger use automobile insurance policies that are subject to the statutory maximum premium. The Non-Grid Pool provides a means for Alberta members to transfer certain of the private passenger use automobile insurance policies they underwrite. Members share in the experience of the

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

## 2. FORMATION AND OPERATION OF THE RESIDUAL MARKET SEGMENT, UNINSURED AUTOMOBILE FUNDS, AND RISK SHARING POOLS (continued)

Alberta RSPs by accident year in relation to their share of the Alberta private passenger market in accordance with the relevant provisions of the Plan.

- > The New Brunswick Risk Sharing Pool ("New Brunswick RSP") commenced operations on January 1, 2005. This RSP provides a means for New Brunswick members to transfer certain of the private passenger use automobile insurance policies they underwrite that are eligible for the "First Chance" discount mandated by law in that province. Members share in the experience of the New Brunswick RSP by accident year in relation to their share of the New Brunswick private passenger market in accordance with the relevant provisions of the Plan.
- ➤ The Nova Scotia RSP commenced operations on January 1, 2007. This RSP provides a means for Nova Scotia members to transfer certain of the private passenger use automobile insurance policies they underwrite that are rated for drivers licensed less than six years with a clean record in that province. Members share in the experience of the Nova Scotia RSP by accident year in relation to their share of the Nova Scotia private passenger market in accordance with the relevant provisions of the Plan.

All of the premiums of the insurance pools under management are allocated to members, who are required by regulation to record these premiums in their accounting records as direct written premiums. Members pay premium taxes, and health and other levies, directly to the provinces based on these direct written premiums. Members also incur other costs, such as membership dues to industry organizations, where such other costs are derived based on direct written premiums. Accordingly, these costs are not recorded in the accounting records of the insurance pools under management. Similarly, investment income earned with respect to funds of the insurance pools under management that are held by members is also not reflected in the financial statements of the insurance pools under management.

The financial statements contained herein are for the Nova Scotia RSP operations of the Association and account for the financial results of the risks transferred to the Nova Scotia RSP and the cost of managing the participation of members in sharing the associated results. These financial statements do not account for any expenses incurred or revenue earned directly by members in respect to their participation.

The results of the operations and financial position of the FARM, UAFs, and other RSPs are not included in these financial statements. Separate financial statements are prepared for the FARM and UAFs and for each of the other RSPs.

#### 3. SIGNIFICANT ACCOUNTING POLICIES

The accompanying financial statements have been prepared by management in accordance with International Financial Reporting Standards ("IFRS"). The presentation currency used for the preparation of these financial statements is Canadian dollars, the same as the functional currency, rounded to the nearest thousand.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 3. SIGNIFICANT ACCOUNTING POLICIES (continued)

Assets and liabilities presented in the statement of financial position are presented in order of liquidity and comprise both current amounts (expected to be recovered or settled within twelve months after the reporting date) and non-current amounts (expected to be recovered or settled more than twelve months after the reporting date). For those assets and liabilities that comprise both current and non-current amounts, information regarding the amount of the item that is expected to be outstanding for more than twelve months is shown separately in the notes from amounts outstanding twelve months or less.

The significant accounting policies adopted are summarized in sections 3(a) to (j) below.

#### (a) Product classification

Insurance contracts are those contracts under which the insurer accepts significant insurance risk from the policyholder by agreeing to compensate the policyholder if a specified uncertain future event adversely affects the policyholder.

The Nova Scotia RSP's insurance products are standard automobile insurance contracts within Nova Scotia. All of the Nova Scotia RSP's insurance products contain significant insurance risk, and there are no financial risks that are required to be presented separately.

#### (b) Financial instruments

Financial assets

Financial assets are classified as loans and receivables, or held at fair value through profit or loss ("FVTPL"). Transaction costs are capitalized into the carrying amount of loans and receivables.

#### Loans and receivables

Loans and receivables are measured at amortized cost using the effective interest method. The Nova Scotia RSP has classified accounts receivable from members, funds held by members, and amounts due from members as loans and receivables. Management considers the carrying amount of these loans and receivables a reasonable approximation of the fair value of the assets.

The loans and receivables are presented net of any provision for impairment. The recoverability of accounts receivable is assessed on an ongoing basis, and provision for impairment is made based on objective evidence and having regard to past default experience. The impairment charge is recognized in the statement of operations. Accounts receivable that management considers uncollectible are written off in the period in which the amount is considered uncollectible.

#### Cash in bank

Cash in bank represents cash balances at Canadian Schedule I banks.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 3. SIGNIFICANT ACCOUNTING POLICIES (continued)

#### Financial liabilities

Financial liabilities are measured at amortized cost using the effective interest method. They include accounts payable to members; accounts payable to the FARM, UAFs, and other RSPs; and other accounts payable. Gains and losses are reported in the statement of operations in the period in which the liability is derecognized.

Management considers the carrying amount of financial liabilities to be a close approximation of the fair value of the liabilities due to the short-term nature of these liabilities.

#### (c) Premiums earned

Premiums are deferred until earned. Premiums are included in revenue on a daily pro rata basis over the term of policies while in force.

(d) Unearned premium liabilities, deferred policy acquisition costs, and premium deficiency reserve

Unearned premium liabilities represent the deferral portion of the premiums written related to the unexpired terms of coverage.

Deferred policy acquisition costs are member company expense allowances (which include commissions) related to the costs incurred by members in acquiring the insurance business the member subsequently transfers to the Nova Scotia RSP (see Note 3[g]). The expenses are deferred in relation to the unexpired portion of policies in force, subject to a test of recoverability. Premium tax is not a deferrable expense for the purpose of the Nova Scotia RSP's financial statements because premium taxes are not included in these financial statements. Such taxes are assessed and paid by individual member companies on the basis of their direct written premiums, which include their share of the Nova Scotia RSP's premiums written.

A determination is made by the Nova Scotia RSP's Actuary (the "Actuary") on whether the unearned premium liabilities are sufficient to cover the unrecorded claims and the deferred policy acquisition costs that relate to the unexpired portion of the policies in force at fiscal year-end. Any identified premium deficiency is recognized as an expense in the statement of operations and as a reduction to the deferred policy acquisition costs, or as an increase in the previously recognized premium deficiency reserve, in the statement of financial position. A separate provision is established for the amount of the deficiency, if any, that exceeds the deferred policy acquisition costs.

When the above liability adequacy test is performed, the estimate of the unrecorded claims amount associated with unexpired exposure is on an actuarial present value basis to reflect the time value of money and include explicit provisions for adverse deviations, in accordance with accepted actuarial practice in Canada.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 3. SIGNIFICANT ACCOUNTING POLICIES (continued)

#### (e) Provision for claims liabilities

An estimate of the amount required to pay all outstanding claims (whether reported or not) and related applicable expense amounts relating to the Nova Scotia RSP is included in these financial statements. The provision is determined by the Actuary, using accepted actuarial estimation techniques. These techniques take into consideration prior claims experience and estimates of future trends in the severity of claims settlements. Assumptions were selected on the basis of the historical experience of the Nova Scotia RSP, supplemented as appropriate by the experience of the voluntary market in Nova Scotia. Claims-related balances are carried on an actuarial present value basis to reflect the time value of money and include explicit provisions for adverse deviations in accordance with actuarial practice accepted in Canada. Accordingly, the discount rate selected to reflect the time value of money is based on the expected return on assets supporting the liabilities. As the supporting assets are non-interest bearing, a discount rate of 0.0% has been selected.

The initial estimate for the appropriate provision for amounts in relation to claims incurred but not reported and for the development on known claims (collectively referred to as "IBNR") is based on data valued as at September 30. As the Association's annual financial statements are presented as at October 31, the initial estimate of the provision includes consideration of expected claims activity during the month of October. Claims activity during the month of October consists of recording of claims unrecorded at September 30 ("unknown" or "unreported" claims, including claims occurring during the month of October and development on claims already recorded or "known" as at September 30). The initial estimate derived as part of the valuation process is adjusted based on the deviation between the actual claims reported activity during the month and the expected activity underlying the initial estimate of the provision.

#### (f) Funds settled with members

Funds settled with members are due on demand and, accordingly, are recorded at the amounts payable or receivable at the date of the statement of financial position. Funds settled with members do not bear interest.

#### (g) Member expense allowance

In accordance with the Association's Plan, member companies transferring risks to the Nova Scotia RSP are reimbursed, through an expense allowance, for their operating and claims adjusting costs. The expense allowance is charged to operations when the premiums are written. Such expense allowance is subject to deferral as described in Note 3(d). The expense allowance is determined annually by the Board.

#### (h) Management judgements and estimation uncertainty

The preparation of financial statements in accordance with IFRS requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosure of contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Please refer to Note 5.

Significant estimates and assumptions are made in the areas of determining the provision for unpaid and unreported claims and fair value of financial instruments (see Note 5). Actual results may differ materially from those estimates.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 3. SIGNIFICANT ACCOUNTING POLICIES (continued)

#### (i) Income taxes

No provision for income taxes is recorded in these financial statements. The results of operations of the insurance pools, including administrative expenses incurred by the Nova Scotia RSP, are included in the members' income for tax assessment purposes.

#### (i) Related-party transactions

Related-party transactions are considered to be in the normal course of business and are initially recognized at the exchange amount as agreed to between the related parties.

#### 4. FUTURE ACCOUNTING STANDARDS

The Association has not applied the following IFRS standard that has been issued but is not yet effective:

#### • IFRS 9 Financial Instruments

IFRS 9 Financial Instruments ("IFRS 9") issued on July 24, 2014, is the International Accounting Standards Board's ("IASB's") replacement of IAS 39 Financial Instruments: Recognition and Measurement ("IAS 39"). The standard includes requirements for recognition and measurement, impairment, derecognition, and general hedge accounting. The IASB completed its project to replace IAS 39 in phases, adding to the standard as it completed each phase. IFRS 9 is mandatorily effective for periods beginning on or after January 1, 2018, with early adoption permitted (subject to local regulatory requirements). The Association is assessing the impact of this standard on its financial statements.

## 5. CRITICAL ACCOUNTING JUDGEMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY

In the process of applying the Nova Scotia RSP's accounting policies (described in Note 3), management is required to make judgements, estimates, and assumptions about the carrying amounts of assets and liabilities. The estimates and associated assumptions are based on historical experience and other factors that are considered to be relevant. Actual results may differ from these estimates.

The estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimate is revised if the revision affects only that period or in the period of the revision and future periods if the revision affects both current and future periods.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

## 5. CRITICAL ACCOUNTING JUDGEMENTS AND KEY SOURCES OF ESTIMATION UNCERTAINTY (continued)

*Critical judgements in applying accounting policies* 

The following are the critical judgements and estimations that management has made in the process of applying the Nova Scotia RSP's accounting policies and that have the most significant effect on the amounts recognized in the Nova Scotia RSP's financial statements.

Valuation of liabilities of automobile insurance contracts

The Actuary is appointed by the Board. With respect to the preparation of these financial statements, the Actuary is required to carry out a valuation of the Nova Scotia RSP policy liabilities and report thereon to the members. The valuation is carried out in accordance with accepted actuarial practice in Canada. The scope of the valuation encompasses only the policy liabilities. The policy liabilities consist of claims liabilities (being a provision for unpaid claims and associated adjustment expenses on the expired portion of policies, whether such claims are reported or not) and other policy liabilities (being a provision for future obligations on the unexpired portion of policies).

In performing the valuation of the liabilities for these inherently variable future events, the Actuary makes assumptions as to future rates of claim frequency and severity, inflation, expenses, and other matters, taking into consideration the circumstances of the Nova Scotia RSP and the nature of the insurance policies. Procedures are put in place by the Actuary to ensure that the data used in the valuation is sufficient and reliable for the valuation of policy liabilities. The Actuary also makes use of the management information provided by the Nova Scotia RSP, and considers the work of the internal and external auditors with respect to the Nova Scotia RSP's underlying data used in the valuation. IBNR is based on valuation data as at September 30, 2016, and an estimate of expected claims activity for the month of October 2016. The valuation is necessarily based on estimates and, consequently, the final values may vary significantly from those estimates.

#### 6. ACCOUNTS RECEIVABLE

Accounts receivable from members are non-interest bearing and are normally settled between thirty days and twelve months. Management considers the net carrying amount of accounts receivable, net of provision for doubtful accounts to be a reasonable approximation of the fair value of the assets because of the short-term nature of the assets. A portion of the receivables balance is due from related parties (see Note 11), which is considered to be fully recoverable. As at October 31, 2016, the amount of allowance is **\$0** (2015: \$0) and the recorded impairment is **\$0** (2015: \$0).

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

# 7. PROVISIONS FOR OTHER POLICY LIABILITIES, I.E., UNEARNED PREMIUM LIABILITIES, PREMIUM DEFICIENCY RESERVE, AND DEFERRED POLICY ACQUISITION COSTS

#### (a) Reconciliation of movements in unearned premium liabilities for the fiscal year

	2016	2015
Unearned premium liabilities, beginning of year	\$ 8,069	\$ 7,492
Changes due to:		
add premiums written	15,524	14,521
less premiums earned	(14,750)	(13,944)
Unearned premium liabilities, end of year	\$ 8,843	\$ 8,069

#### (b) Liability adequacy test/premium deficiency reserve

The Actuary uses current estimates of future cash flows under the Nova Scotia RSP's insurance contracts to assess at the end of each reporting period whether the unearned premium liabilities (after adjustment for related deferred policy acquisition costs) are adequate. Where the assessment indicates that the carrying amount (after adjustment) is inadequate in light of all current estimates of all future contractual cash flows, the entire deficiency (or change in deficiency, where a deficiency existed in the prior period) is recognized in the statement of operations.

#### (c) Reconciliation of movements in premium deficiency reserve/(deferred policy acquisition costs)

	 2016	 2015
Premium deficiency reserve, beginning of year	\$ 959	\$ 430
Changes due to:		
change in unearned premium liabilities	92	33
change in future costs and/or deferrable amounts,		
relative to unearned premiums	(268)	496
Premium deficiency reserve, end of year	\$ 783	\$ 959

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 8. PROVISION FOR CLAIMS LIABILITIES

(a) Composition of claims liabilities for the twelve-month accident period ended October 31, unless otherwise noted

	2016	2015
Case reserves	\$ 20,300	\$ 19,826
IBNR	12,242	7,664
	\$ 32,542	\$ 27,490
Actuarial present value adjustments	3,827	3,924
Claims liability	\$ 36,369	\$ 31,414

As at October 31, 2016, the claims liabilities prior to actuarial present value adjustments include **\$24,150** (2015: \$20,697), which is expected to be settled (paid) more than twelve months after the reporting date.

The actuarial present value adjustments are comprised of provisions for discounting, adverse deviations in investment returns, and adverse deviations in claims development. The discount provision of \$0 (2015: \$0) is estimated by the application of a 0.0% (2015: 0.0%) discount rate to the expected cash flows of the claims liability prior to actuarial present value adjustments (shown in the preceding table). The discount rate is determined based on the expected return on assets supporting the liabilities. The provision for adverse deviation in investment returns of \$0 (2015: \$0) is estimated as the difference in the discount provision if a rate of 0 basis points (2015: 0) lower was used. Finally, the provision for adverse deviations in claims development, \$3,827 (2015: \$3,924), is derived by application of margins for adverse deviation to the claims liability prior to actuarial present value adjustments adjusted to include the effect of the discount provision. The estimated impacts of changes in assumptions are presented in a table in Note 8(d)(ii).

#### (b) Activity in claims liabilities

	 2016	 2015
Provision for claims liabilities, beginning of year	\$ 31,414	\$ 26,320
Incurred for:		
current year's claims	15,137	14,468
prior years' claims	(702)	(115)
Payments attributable to:		
current year's claims	(3,997)	(4,082)
prior years' claims	(5,483)	(5,177)
Provision for claims liabilities, end of year	\$ 36,369	\$ 31,414

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 8. PROVISION FOR CLAIMS LIABILITIES (continued)

#### (c) Claims development table

The table on the following page presents changes in the historical claims liabilities (prior to actuarial present value adjustments) that were established in 2008 and prior and the associated provision arising in each subsequent accident year. This table is presented on both a gross and net-of-reinsurance basis as there is no reinsurance ceded.

The top (provisions) triangle of the table presents the estimated claims liabilities pertaining to each accident year as at each statement of financial position date. The lower (paid) triangle of the table presents the amounts paid against those claims liabilities in each subsequent accounting period. The claims liabilities change as more information becomes known about the actual claims for which the initial provisions were set up.

## **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

### 8. PROVISION FOR CLAIMS LIABILITIES (continued)

	2016		2015		2014		2013	2012	2011	2010	2009		2008 and prior		Total
Claims liability <sup>1</sup> - At end of		idont v			2014		2013	 2012	 2011	 2010	 2009		prior		Total
\$	9,936	\$	9,098	\$	7,905	\$	7,252	\$ 5,603	\$ 5,581	\$ 8,872	\$ 8,510	\$	8,495		
Revised estimates															
1 year later			7,926		7,396		7,799	6,842	5,694	7,805	5,195		5,296		
2 years later					7,670		8,278	7,446	5,806	6,266	4,862		3,363		
3 years later							8,114	7,839	6,307	6,133	4,490		3,156		
4 years later								9,032	6,749	6,046	4,508		3,003		
5 years later									7,183	5,892	4,515		3,137		
6 years later										5,790	4,478		3,374		
7 years later											4,563		3,332		
8 years later													3,383		
Current estimates \$	9,936	\$	7,926	\$	7,670	\$	8,114	\$ 9,032	\$ 7,183	\$ 5,790	\$ 4,563	\$	3,383		
Payments in subsequent p	eriods														
1 year later		\$	1,154	\$	1,081	\$	1,112	\$ 1,589	\$ 1,418	\$ 1,601	\$ 1,064	\$	962		
2 years later					1,964		1,122	1,959	1,347	1,224	142		315		
3 years later							910	1,041	746	1,239	514		238		
4 years later								931	1,332	831	1,779		699		
5 years later									264	511	715		785		
6 years later										55	32		116		
7 years later											197		58		
8 years later													8		
Cumulative payments \$	-	\$	1,154	\$	3,045	\$	3,144	\$ 5,520	\$ 5,107	\$ 5,461	\$ 4,443	\$	3,181		
Redundancy/(deficiency)															
recognized in 2016		\$	1,172	\$	(274)	\$	164	\$ (1,193)	\$ (434)	\$ 102	\$ (85)	\$	(51)	\$	(599)
Reconciliation to the															
statement of financial positi	on														
Claims liability <sup>1</sup> \$	9,936	\$	6,772	\$	4,625	\$	4,970	\$ 3,512	\$ 2,076	\$ 329	\$ 120	\$	202	\$	32,542
Actuarial present value adju			-, -	·	,	·	,	-,- =	,			•		•	3,827
Claims liability														\$	36,369
															,

<sup>&</sup>lt;sup>1</sup>Prior to actuarial present value adjustments

 $<sup>^2</sup>$ Fiscal accident year "yyyy" reflects claims occurring during the period November 1, yyyy-1 to October 31, yyyy

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 8. PROVISION FOR CLAIMS LIABILITIES (continued)

#### (d) Actuarial assumptions

The following process and key actuarial assumptions were used in the estimation of the insurance policy liabilities consisting of claims liabilities (the provision for unpaid claims whether reported or not) and premium liabilities at the reporting date:

#### i. Processes used to determine the assumptions

In estimating the provision for claims liabilities, the Actuary first determines the level of granularity of experience with which to perform the analysis, considering the trade-off between volume of data (more being better) and homogeneity of policy coverage/terms/expected patterns (i.e., grouping policies together where the claims experience is expected to be similar).

Once the level of granularity is decided, the Actuary estimates the nominal future claims activity (i.e., prior to any discounting of cash flows and prior to the inclusion of any provisions for adverse deviations). The Actuary considers historical levels of claims frequency and severity, and patterns of claims reporting, payment, and settlement, as well as a priori assumptions regarding claims levels, generally in reference to associated earned premiums. The Actuary augments the Nova Scotia RSP's own historical experience with industry experience, as needed. The Actuary considers historical and/or anticipated future changes to insurance policy attributes, terms, or conditions (including product changes) and to the general business environment (due to changes in the level of inflation, pending, or finalized legal decisions, etc.) and makes adjustments to the historical data to better reflect current and/or projected future experience, as needed.

The Actuary models the nominal future claims reporting, payment, and settlement levels, using one or more actuarial techniques. Actuarial techniques under consideration may differ in the data and assumptions needed. Upon reviewing the results and projections under the various techniques, the Actuary makes final selections for the best estimates of the nominal claims liabilities. The Actuary also projects the future cash flows associated with the selected provision.

In order to discount the future cash flows to reflect the time value of money, the Actuary considers the future yield expected to be realized on the investments supporting the policy liabilities, and the expected future cash flows. The Actuary then discounts the future cash flows, based on an assumed yield curve structure. The discount rate used in the valuation of the Nova Scotia RSP was 0.0% (2015: 0.0%).

The Actuary selects Margins for Adverse Deviations ("MfADs") for claims development and for the discount rate selected, in accordance with the Standards of Practice of the Canadian Institute of Actuaries. Considerations for selection of MfADs for claims development include but are not limited to the stability of the historical development, the credibility of the historical data, and the homogeneity of the data. Considerations for the selection of MfADs for the discount rate selection include the nature of the assets supporting the liabilities, the level of mismatch between the duration of assets and liabilities, and the general investment environment.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

### 8. PROVISION FOR CLAIMS LIABILITIES (continued)

#### ii. Changes in actuarial present value adjustments

	Disco amo		for ac	rision lverse tment urn	a	vision for dverse elopment		Total
For year ended October 31, 2016								
Actuarial present value adjustments,								
beginning of year	\$	-	\$	-	\$	3,924	\$	3,924
Changes due to:								
change in claims liability (excluding								
actuarial present value adjustments)		-		-		521		521
change in selected discount rate		-		-		-		-
change in selected margins		-		-		(618)		(618)
Actuarial present value adjustments,								
end of year	\$	-	\$	-	\$	3,827	\$	3,827
For year ended October 31, 2015								
Actuarial present value adjustments,								
beginning of year	\$	-	\$	-	\$	3,323	\$	3,323
Changes due to:								
change in claims liability (excluding								
actuarial present value adjustments)		-		-		619		619
change in selected discount rate		-		-		-		-
change in selected margins		-		-	- (18)			(18)
Actuarial present value adjustments,								
end of year	\$	-	\$	-	\$	3,924	\$	3,924

#### (e) Fair values

The fair values of the provision for claims liabilities and of other policy liabilities are not readily determinable given the absence of any regular market for such liabilities. The current value of the provision for claims liabilities reflects management's best estimate of the amounts required to settle claims liabilities.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 8. PROVISION FOR CLAIMS LIABILITIES (continued)

#### (f) Structured settlements

In the normal course of claims settlements, the Nova Scotia RSP participating member companies may, where appropriate, purchase annuities from life insurance companies to provide for fixed and recurring payments to claimants ("structured settlements").

#### Type I

Type I structured settlements are where the member company has purchased an annuity that pays directly to the claimant and the annuity is non-commutable, non-assignable, and non-transferable.

The Office of the Superintendent of Financial Institutions ("OSFI") Guideline D5 *Accounting for Structured Settlements* ("Guideline D5") requires that claims and annuities of Type I structures are derecognized from the property and casualty ("P&C") insurer's statement of financial position.

The claimant's recourse to the P&C insurer represents a guarantee of the annuity underwriter's obligation to make payments to the claimant pursuant to the terms and conditions of the structured settlement. The financial guarantee on initial recognition is generally recognized at nil value. Subsequently, the guarantee is measured in accordance with IAS 37 *Provisions, Contingent Liabilities and Contingent Assets*.

#### Type II

Type II structures are where the annuity is commutable, assignable, or transferable; that is, there is some form of reversionary interest or continuing right to a benefit for the P&C insurer.

For Type II structures, OSFI Guideline D5 requires that the annuity and insurance claim remain on the P&C insurer's statement of financial position.

Structured settlements and the Nova Scotia RSP

As a result of Type I and Type II structures entered into by members, the Nova Scotia RSP is exposed to credit risk to the extent that the life insurers providing the annuity fail to fulfill their obligations. The risk is mitigated to varying degrees through the member acquiring annuities from life insurers with proven financial stability.

The maximum exposure for the Nova Scotia RSP is the discounted value of the payments outstanding on such annuities that are still in force. The Nova Scotia RSP does not have an estimate of the undiscounted outstanding payments. The Nova Scotia RSP's potential exposure to any defaults by life insurers, taken together with coverage provided by the life insurance industry's consumer protection plan, is assessed as minimal as at October 31, 2016 (October 31, 2015: minimal). This minimal exposure is further mitigated by the fact that any further obligations resulting from these structured settlements are joint and several on all members.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 9. ACCUMULATED FUND SETTLEMENTS WITH MEMBERS

The Nova Scotia RSP net cash flow between the participating members and the Nova Scotia RSP every month results in a total amount either being due to the Nova Scotia RSP by the members, or due to the members from the Nova Scotia RSP. The balance of accumulated fund settlements with members at October 31, 2016, is composed of the following:

Fiscal Year	 Claims and claims Premiums for adjusting risks expenses transferred paid		claims adjusting expenses	 Expenses paid	Funds held by members		
2016	\$ 15,524	\$	9,480	\$ 5,858	\$	186	
2015	14,521		9,259	5,510		(248)	
2005-2014	99,040		50,168	36,715		12,157	
	\$ 129,085	\$	68,907	\$ 48,083	\$	12,095	
Within one year					\$	12,095	
More than one year					\$	-	

#### 10. CLAIMS AND CLAIMS EXPENSES INCURRED

	 2016	 2015
Claims paid	\$ 8,884	\$ 8,970
Claims-related expenses	596	289
Increase in provision for claims liabilities	4,955	5,094
	\$ 14,435	\$ 14,353

Total claims expenses include the cost of claims events that occurred in the current financial year and a reassessment of the claims events that occurred in all previous financial periods.

#### 11. RELATED-PARTY DISCLOSURE

All related-party transactions are considered to be in the normal course of business and are measured at the exchange amount, which is the amount of consideration as agreed to between the related parties.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 11. RELATED-PARTY DISCLOSURE (continued)

#### (a) Compensation of key management personnel

The Association's key management compensation was allocated to the Nova Scotia RSP as follows:

	 2016	 2015
Salaries, bonuses, and other short-term employee benefits	\$ 67	\$ 76
Healthcare benefits	2	2
Pension benefits	9	11
Independent directors' fees	2	3
	\$ 80	\$ 92

#### (b) Commitments to the Association's administration expenses

Insurance pools under management are committed to reimburse their share of any expenses the Association incurred while managing these insurance pools on behalf of their members. The allocation is based on an annual study of time worked on the insurance pools by the Association's staff and is reviewed by the Association's Accounting Committee annually. All administrative expenses are initially paid by the FARM and subsequently reimbursed by the RSPs and UAFs. This generates intercompany amounts due to and from these insurance pools. In addition, settlements of cash made through a single payment by member companies to the FARM, Nova Scotia RSP and other insurance pools under the Association's administration can create intercompany balances among those insurance pools.

In 2016, the Nova Scotia RSP's share of the Association's administration expenses was as follows:

	 2016	 2015
Head office and operations	\$ 274	\$ 324
Data processing	106	127
Professional fees	74	69
	\$ 454	\$ 520

The Association's central office has a pension obligation with respect to its defined benefit pension plan. On a going concern basis, there is no unfunded pension liability at October 31, 2016. During the year ended October 31, 2016, the Nova Scotia RSP recognized costs of \$7 (2015: \$8) in respect of the defined contribution plan and costs of \$13 (2015: \$18) in respect of the defined benefit pension plan. These expenses are included in head office and operations expenses in the above table.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 11. RELATED-PARTY DISCLOSURE (continued)

The following balances are due to or from other insurance pools under the Association's administration as at October 31, unless otherwise noted:

	 2016	 2015
Accounts payable to the Residual Market and		
Uninsured Automobile Funds and other pools:		
Residual Market and Uninsured Automobile Funds	\$ 118	\$ 142
	\$ 118	\$ 142

The related-party balances are non-interest bearing and due on demand.

#### 12. FAIR VALUES

Fair value represents the amount of the consideration that would be agreed upon in an arm's length transaction between knowledgeable, willing parties. Management considers quoted market prices as the most reliable source of fair value for actively traded securities. Where market prices are unavailable, management's best estimate based on a range of methodologies and assumptions may be used. Because these estimates involve uncertainties, the fair values may not reflect the amount realizable on immediate settlement.

The fair values of funds held by members and of other amounts due to and from members reflect the results of operations shared by members. These amounts are due on demand and, accordingly, management considers the carrying amounts approximate fair value.

Other payable and receivable amounts are short term, and management considers their recorded amounts approximate to their fair value.

#### 13. MANAGEMENT OF CAPITAL

The Nova Scotia RSP is not required to maintain its own capital. The Nova Scotia RSP allocates its transactions and balances to member companies, and those member companies are required to maintain appropriate capital to support those transactions and balances in accordance with applicable insurance regulatory requirements.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

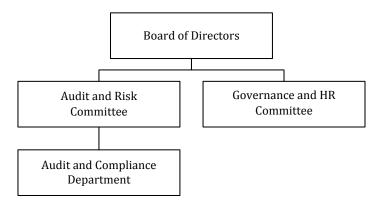
#### 14. RISKS AND RISK MANAGEMENT

The Board is responsible for providing the stewardship and oversight of management and operations of the Association, including oversight responsibilities with respect to risk management. The Plan gives the Board express authority to consider and approve the enterprise risk-management assessment and action plan annually and review results thereunder.

The Board is supported by committees of the Board and by the Association's management who are, in turn, supported by various committees (see chart below). The majority of the committees' members are volunteers from member companies and brokerages that are part of the automobile insurance industry in Canada.

The Board is composed of sixteen directors, ten of whom are elected or appointed from among representatives of insurers. Three are elected or appointed from among any persons approved by the Insurance Brokers Association of Canada, and two are elected or appointed as independent directors. The Board appoints the Association's President and Chief Executive Officer ("CEO"), who is a director by virtue of his or her office.

The chart below shows the governance structure of the Association followed by detailed descriptions of its various committees.



The Audit and Risk Committee is responsible for exercising due diligence on matters related to but not limited to the internal control environment; regulatory, underwriting, and claims compliance audits and internal audits; accounting policy and practice; work of the Actuary; work of external auditors; and the Association's overall enterprise risk management ("ERM"). ERM encompasses the processes undertaken by the Association to identify, measure, monitor, and report on risks with respect to each of the insurance pools managed by the Association. The overall objective of ERM for the Association is to establish a consistent and sustainable approach for risk management that is integrated and aligned with the strategic management processes of the Association, allowing for the proactive management of both upside and downside risk. The committee recommends the appointment of the Independent Auditor to the membership when required. The committee's responsibilities with respect to ERM include monitoring major risk exposures and emerging risks, annually reviewing the Association's overall ERM framework and the effectiveness of these processes, and, where appropriate, reviewing and addressing management's corrective actions for deficiencies, including communication about escalating risk, crisis preparedness, and recovery plans.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

The Governance and Human Resources Committee is responsible for key aspects of corporate governance, including making recommendations regarding the selection and appointment of the Chair of the Board and Deputy Chair of the Board, nominating persons for election or appointment to the Board, and the appointment of committee members where approval of the Board is not specifically required. It considers and approves performance plans and compensation arrangements with respect to executive management, and considers and approves human resources policies for the Association.

The Association's management benefits from the input of the following Advisory Committees:

The role of the Rates and Rules Committee is to review and support management's recommendations on pricing for the FARM, and therefore to ensure that Association rates remain adequate and generally above the marketplace. The committee also reviews and supports recommendations from staff on rule changes for both the FARM and the RSPs, ensuring that the Association does not become inadvertently competitive. This committee also provides market intelligence in case dynamics in the marketplace change and cause the Association's volumes to change.

The role of the Claims Committee is to support the Association's management and the Provincial Operating Committees for claims-related matters, which include but are not limited to the review of large losses as outlined in the Claims Guide, deciding on coverage and/or liability in disputed claims, and advising on issues that are industry-related to properly interpret their meaning and impact in relation to the Association procedures.

The role of the Provincial Operating Committees is to review applications for bad debt write-offs due to non-payment from a broker or agent, and to provide a recommendation to the Association to accept or reject the write-off. This committee also reviews appeals by servicing carriers, brokers, or insureds when the rules cause undue hardship in individual cases only. The committee reviews applications from new brokers for appointment to a servicing carrier.

The role of the Accounting Committee is to review and support the Association management on auditing and accounting, as required, including but not limited to developing accounting procedures for servicing carriers, the insurance pools under management, and the Association's head office, and to review the format and content of various reports for members, which are produced on a monthly or annual basis.

The role of the Actuarial Committee is to provide technical advice to the Association management and the Actuary on actuarial issues and processes, particularly as they relate to the valuation of policy liabilities, trends, and insurance product pricing.

The Association is committed to designing, implementing, and operating a system of internal control procedures that is appropriate to the needs of the services provided and to ensuring member data is securely processed and professionally managed. Management has established internal control policies and procedures according to the key control objectives relevant to the service provided, and these control standards are as set forth under Canadian Standard on Assurance Engagements 3416 *Reporting on Controls at a Service Organization* ("CSAE 3416").

## **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

The Association uses a risk management framework to assist in categorizing, monitoring, and managing the risks to which it is exposed. The Association currently categorizes risks that the Nova Scotia RSP is exposed to due to its significant business activities as insurance contracts risk, credit risk, interest rate risk, liquidity risk, and other risks.

The strategy for managing these risks has not changed from the prior year. The following describes how the Association manages the Nova Scotia RSP's risks within each of these risk categories.

#### (a) Insurance contracts risk

Insurance contracts risk is that of adverse financial results arising from the issuance of insurance policies. This is a key risk associated with operating the Nova Scotia RSP arising from allowing the members to transfer the applicable percentage of automobile insurance contracts that satisfies the eligibility requirements. The concentration of insurance risk is composed entirely of private passenger automobile risks located in Nova Scotia. The risk management activities can be broadly separated into underwriting, claims management, and valuation of policy liabilities.

#### **Underwriting**

The Nova Scotia RSP's result for the period is sensitive to insurance risk. Subject to the transfer rules set out in the Plan, the members that issue policies on their own accounts and their own rate may transfer the whole of the policy or a portion thereof to the RSP. Sensitivity to insurance risk is managed by setting appropriate policy limits within the laws of Canada.

The Association's Audit and Compliance Department is responsible for conducting periodic underwriting audits on members to ensure compliance with Nova Scotia RSP underwriting rules and guidelines, and for reporting all non-compliance to the Association's Audit and Risk Committee, and all material non-compliance to the Board.

#### Claims management

The members who transferred the insurance contracts to the Nova Scotia RSP are responsible for handling claim transactions, including claim payments; recording provisions for outstanding claims; and collecting subrogation/salvage recoveries on a timely and accurate basis on behalf of the Nova Scotia RSP. The Claims Committee, consisting of representatives from members of the Association, will review large claims to provide support to the Provincial Operating Committees in deciding on coverage and/or liability in disputed claims.

The Association's Audit and Compliance Department is responsible for conducting periodic claims audits on members to ensure compliance with Nova Scotia RSP claims management rules and guidelines, and for reporting on all non-compliance to the Association's Audit and Risk Committee, and all material non-compliance to the Board.

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

Valuation of policy liabilities

Risk management activities related to the valuation of policy liabilities are undertaken to ensure that the data used for the valuation process is appropriate, accurate, and complete for the purposes of the valuation; the valuation is conducted using appropriate actuarial models, methodologies, and assumptions, and follows applicable Standards of Practice of the Canadian Institute of Actuaries; the valuations occur at an appropriate frequency; the work of the Actuary is periodically peer reviewed by a qualified third party; and the results are appropriately reflected in the financial statements.

Policy liabilities consist of claims liabilities (as relates to the expired portion of issued insurance policies) and other policy liabilities (as relates to the unexpired portion of issued insurance policies).

The provision for unpaid claims consists of:

- case reserves, which are estimates established on a case-by-case basis by the claims adjusters of members who transferred the insurance contracts to the Nova Scotia RSP;
- a provision for IBNR claims amounts, which is determined by the Nova Scotia RSP's
  Actuary to allow for future loss development on recorded claims and for claims that have
  occurred but have not yet been recorded by the Association; and
- actuarial present value adjustments, including the recognition of the time value of money (commonly referred to as "discounting") and the addition of provisions for adverse deviations.

Other policy liabilities consist of:

- the liability for unearned premiums:
- an asset for deferred policy acquisition costs (subject to a test of recoverability, taking into account actuarial present value adjustments); and
- a liability for a premium deficiency (taking into account actuarial present value adjustments), if applicable.

Additional information on the determination of the other policy liabilities and claims liabilities is provided in Notes 3(d) and (e), respectively.

The Actuary, in conjunction with the Association's Actuarial Department, ensures that the data used in the valuation process is appropriate, accurate, and complete, and that the valuation is conducted using appropriate actuarial models, methodologies, and assumptions, and follows applicable Standards of Practice of the Canadian Institute of Actuaries.

Management ensures that appropriate controls are in place and working effectively to provide reasonable assurance that the results of the valuation are accurately incorporated into the financial statements. These controls are tested periodically by the Association's Audit and Compliance Department and its external service auditors through an annual CSAE 3416 audit process.

## **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

On a periodic basis, management engages qualified third parties to peer review the valuation process and results to ensure compliance with the Standards of Practice of the Canadian Institute of Actuaries.

The Association's Actuarial Department provides feedback to management and the Audit and Compliance Department on applicable findings and trends uncovered during their periodic valuation of policy liabilities.

Sensitivity to insurance risk

The risks associated with the Nova Scotia RSP are subject to a number of variables that complicate quantitative sensitivity analysis. The principal assumption underlying the claims liabilities estimates is that the members' future claims development will follow a similar pattern to past claims development experience. Claims liabilities estimates are also based on various quantitative and qualitative factors, including:

- average claim costs including claim handling fees;
- average claims by accident year;
- trends in claims severity and frequency; and
- other factors, such as inflation, expected or in-force government pricing and coverage reforms, and the level of insurance fraud.

#### (b) Credit risk

Credit risk is that of adverse financial results arising from the failure of a debtor to make payments when due. The Nova Scotia RSP is exposed to this risk through accounts receivable from members, funds held by members, and amounts due from members. While credit risk associated with receivables is limited ultimately by the fact that obligations are joint and several on all members, the Association monitors receivables monthly and follows up as appropriate to limit aged receivables. Further, because all licensed automobile insurance companies in the jurisdictions the Association serves are required to be members of the Association by operation of law, the financial strength of the Association is effectively the financial strength of the automobile insurance industry in the jurisdictions the Association serves. The Association also monitors large balances of any member group for concentration risk. As at October 31, 2016 and 2015, the maximum exposure to credit risk is the value of assets recorded in the statement of financial position. The following table shows the maximum risk positions of assets according to their contractual maturity or expected cash flow dates:

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

								Vä	Carrying alue in the
	L	ess than 1 year	1 to 3 years	3 to 5 years	More	e than 5 years	Total	sta	itement of financial position
As at October 31, 2016			 						
Cash in bank	\$	511	\$ -	\$ -	\$	-	\$ 511	\$	511
Accounts receivable from		604					604		604
members		604					604		604
Funds held by members		12,095	-	-		-	12,095		12,095
Amounts due from members		33,909	-	-		-	33,909		33,909
	\$	47,119	\$ -	\$ -	\$	-	\$ 47,119	\$	47,119
As at October 31, 2015									
Cash in bank	\$	484	\$ -	\$ -	\$	-	\$ 484	\$	484
Accounts receivable from									
members		1,077	-	-		-	1,077		1,077
Funds held by members		11,909	-	-		-	11,909		11,909
Amounts due from members		28,547	-	_			28,547		28,547
	\$	42,017	\$ -	\$ -	\$	-	\$ 42,017	\$	42,017

Credit risk also arises from structured settlements. This credit risk arises from the structured settlement annuity failing to pay cash to the claimant. Management considers that the maximum credit risk exposure to Type II structured settlements is equal to the discounted present value of the payments outstanding on annuities that are still in force. Management does not currently have an estimate of the maximum credit risk arising from structured settlements relevant to the Nova Scotia RSP. Obligations resulting from these structured settlements are joint and several on all members.

#### (c) Interest rate risk

Interest rate risk is that of adverse financial results arising from changes in the value of financial instruments in response to a change in interest rates. The Nova Scotia RSP has policies in place to measure and manage this risk. These policies consider the unique characteristics of the underlying liabilities, including but not limited to expected payouts and liquidity requirements. Risk measurement considers potential changes under a variety of interest rate scenarios

The estimated impact on the statement of operations of an immediate parallel decrease of 0.25% in interest rates as at October 31, 2016 (2015: 0.25%), across the yield curve in all markets would be a decrease in excess (deficiency) of revenue over expenses and equity of 0.25% (2015: 0.25%). Conversely, an immediate parallel increase of 0.25% in interest rates would result in an estimated increase in excess (deficiency) of revenue over expenses of 0.25% (2015: 0.25%).

### **Notes to the Financial Statements (continued)**

For the year ended October 31, 2016 (in thousands of Canadian dollars)

#### 14. RISKS AND RISK MANAGEMENT (continued)

#### (d) Liquidity risk

Liquidity risk is the risk of adverse financial results arising from having to liquidate assets in order to meet all cash flow obligations as they become due.

Accounts payable to members are subject to liquidity risk arising from the potential failure of a member or members to respond to a cash call or assessment by the Nova Scotia RSP. Liquidity risk is minimal for the Nova Scotia RSP since members are required to settle all balances as they become due on a monthly basis. This exposure is further mitigated through such obligations being joint and several on all members. The exposure of the Nova Scotia RSP to liquidity risk at October 31, 2016 and 2015, is portrayed in the table below by presenting insurance and financial liabilities according to their contractual maturities or expected cash flow dates:

		ess than 1 year	1 to 3 years	3 to 5 years	Мо	re than 5 years	Total	 carrying alue in the itement of financial position
As at October 31, 2016			 					
Accounts payable to members	\$	990	\$ -	\$ -	\$	-	\$ 990	\$ 990
Accounts payable to the Residual								
Market and UAFs and other pool		118	-	-		-	118	118
Other accounts payable		16	-	-		-	16	16
Unearned premium liabilities		8,843	-	-		-	8,843	8,843
Provision for								
claims liabilities		9,379	18,467	6,453		2,070	36,369	36,369
	\$	19,346	\$ 18,467	\$ 6,453	\$	2,070	\$ 46,336	\$ 46,336
As at October 31, 2015								
Accounts payable to members	\$	1,415	\$ -	\$ -	\$	-	\$ 1,415	\$ 1,415
Accounts payable to the Residual								
Market and UAFs and other pool		142	-	-		-	142	142
Other accounts payable		18	-	_		-	18	18
Unearned premium liabilities		8,069	-	-		-	8,069	8,069
Provision for								
claims liabilities		7,763	15,899	5,831		1,921	31,414	31,414
	\$	17,407	\$ 15,899	\$ 5,831	\$	1,921	\$ 41,058	\$ 41,058

#### (e) Other risks

Other risks include those of adverse financial results arising from operational activities. Various underwriting and claims-related amounts are subject to risks of incorrect processing that could cause financial statement misstatements or operational difficulties, including requirements to correct amounts previously received from or paid to insureds. These risks are mitigated through systems controls and edits, quality control monitoring, and periodic audits conducted by the Association at ceding companies and within the Association.

#### 15. AUTHORIZATION OF THE FINANCIAL STATEMENTS

These financial statements were authorized for issue by the Board on February 22, 2017.

Carrying