



TO: Members and Supporters of the Actuarial Foundation of Canada (AFC)

FROM: Board of Directors of the Actuarial Foundation of Canada

SUBJECT: 2021/22 Annual Report

DATE: June 27, 2022

The Board of Directors of the AFC is pleased to present the Annual Report to Members and Supporters of the Foundation. Many exciting developments have occurred in the past year. This report provides a summary of activities undertaken by the AFC over this time. We hope that you are proud of the results that your Foundation has achieved!

THE AFC MISSION – HELPING CANADIANS

In recognition of an expanded mandate for AFC activities, the Board approved changes to the AFC's Mission and Vision statements and created Values and Strategies statements to guide our work. These statements will be presented to the full membership at the AFC Annual General Meeting (AGM) on June 27.

VISION

Canadians confidently pursuing a secure financial future.

MISSION

Support youth financial literacy, education, and careers in actuarial and mathematical sciences.

VALUES

All Canadians should have equal opportunity for a good education.

Our actions will always reflect positively on the profession.

We volunteer our services so that our valued donors' funds go to the programs we support.

We appreciate everyone's contribution in achieving our mission.

STRATEGIES

Fund programs across the country that promote the education of young Canadians in financial literacy and mathematical sciences.

Encourage students in their pursuit of study in actuarial and mathematical sciences through research and scholarships.

Promote equality of opportunity for a good education in underrepresented groups.

Obtain administrative support from the Canadian Institute of Actuaries (CIA) to meet the requirements of a registered charity.

ACHIEVING OUR MISSION – HELPING CANADIANS WITH FINANCIAL LITERACY AND MATHEMATICS EDUCATION

The AFC distributed \$154,000 to the following charities in 2021/22. This level of program support was \$15,000 higher than in 2020/21 and was enabled by our successful fundraising efforts in 2020.

1. Science and Mathematics in Action (SMAC) (\$10,000)

SMAC is a project coordinated by Laval University with a mandate to awaken and strengthen youth interest in science and mathematics by providing teachers with access to interactive educational tools that help to demystify mathematics. This program largely focuses on outreach to Quebec, but their "Show Math" video has been used to impact the lives of youths all across Canada.

2. Junior Achievement (JA) Canada (\$70,000)

The JA program is a very cost-effective way to provide quality financial literacy education to large numbers of students. JA has advised us that our contribution to the JA program supported the delivery of 108 programs reaching approximately 2,700 students in PEI, Nova Scotia, Quebec, Ontario, Manitoba, and Saskatchewan.

- 3. Pacific Institute for the Mathematical Sciences (PIMS) (\$15,000)**
The PIMS is a consortium established by major universities in Western Canada. The main objectives of PIMS charity are to foster educational activities for students ranging from grades K-12, sponsor high-quality collaborative research projects in the mathematical sciences, train highly qualified personnel in mathematics, and develop industrial and interdisciplinary mathematics. The AFC has sponsored teacher workshops and summer schools targeted to underserved communities as well as the annual Indigenous Math Symposium at UBC.
- 4. Toronto Foundation for Student Success (TFSS) (\$12,000)**
The TFSS is a charity delivering after-school programming for low-income families in the Greater Toronto Area. Since 2014, the AFC has sponsored a financial literacy program as part of their Beyond 3:30 program to help develop lifelong skills.
- 5. Youth Science Canada (YSC) (\$5,000)**
The YSC is a registered charity that exists to fuel the curiosity of Canadian youth through STEM projects. Their main activity is their Canada-wide science fair, which is held in different parts of Canada each year. One of our directors, Valérie Adelson, was a judge for our award at the May 2021 and 2022 fairs.
- 6. Engineering Outreach (EO) (\$5,000)**
EO is a registered charity of the Engineering Department of the University of Ottawa that provides STEM programs to youth. AFC funding is specifically used to help the EO provide workshops on mathematics and coding for teachers and students. EO expects to reach 50 teachers and 530 students with our contribution.
- 7. The Verna J. Kirkness Science and Engineering Education Program (VJKSEEP) (\$10,000)**
VJKSEEP addresses the under-representation of Indigenous students at Canadian universities by offering scholarships to Indigenous Grade 11 students to spend one week in a campus research laboratory (virtual in 2021). During the week, students meet role models, learn about support systems on campus, and experience the excitement of doing research.

8. Shad (\$5,000)

Shad empowers Grade 10 and 11 students through live-in (virtual in 2021) summer STEAM (science-tech-engineering-arts-math) and entrepreneurial experiences. Their enrichment program runs annually each July on university campuses across Canada. Students are immersed in an intense STEAM-based curriculum of lectures, labs, and workshops designed to open their minds and broaden their perspectives about possible education and career paths.

9. Girl Guides of Canada (GGC) (\$12,000)

AFC support enables the GGC to provide three one-time scholarships of \$2,000 to girls going into a math-related university program. Payments for 2020 and 2021 were reflected in the 2021 financial statements.

10. Learning Buddies Network (LBN) (\$5,000)

The LBN is dedicated to helping elementary school students in underserved Vancouver communities develop essential literacy and math skills. Working with the LBN, the AFC funds a new program called Girls to the Power of Math (G^M). This program empowers students who identify as girls to love math through mentorship. By January 2022, G^M hopes to be working with 60 third-grade students in six schools by engaging 18 high school and university students as mentors.

11. Big Brothers, Big Sisters Guelph (BBBSG) (\$5,000)

BBBSG supports a site-based mentoring program/financial literacy program that is expected to reach 100 at-risk school-aged children in the Guelph area in 2022.

Other Education Activities

The AFC supports high school and university students to pursue math and actuarial education through scholarships. The Hugh White Memorial Scholarship program, currently administered by the AFC, offers scholarships at two high schools attended by Hugh White and his children. The University of Manitoba administers the James Anderson Bursary fund, which the AFC helped establish.

EQUALITY OF OPPORTUNITY SCHOLARSHIP FUND

In 2021, the AFC established the Equality of Opportunity Fund to promote diversity in the actuarial, mathematics and statistics, data management, and

computer science professions. The fund provides scholarships to eligible Canadian students who are facing financial and societal barriers to attending their intended university or college program. The AFC was very grateful to receive generous support by individual and corporate donors towards this program in the last year.

Substantial work went into promoting, administering, and managing the scholarship program. The AFC created the Scholarships and Bursaries Committee to oversee the administration of all scholarships and bursaries that the AFC supports. Three scholarships of \$5,000 were awarded in 2021. As the scholarships are provided for the full period of the recipient's studies, these scholarships represented a total commitment of as much as \$48,000.

The AFC is well positioned to carry forward in 2022 with the Equality of Opportunity Scholarship Fund awards of \$4,000–6,000 (university) and \$2,000–3,000 (college) under the following criteria:

1. Black, Indigenous, and people of colour (BIPOC) who are Canadian resident students.
2. Accepted as a full-time student at a Canadian college or university.
3. Intent on pursuing a post-secondary degree in actuarial science, mathematics, statistics, data management, or computer science.
4. Minimum GPA of 2.8 (on maximum of 4) or equivalent.

The fund and scholarship program will be administered by the AFC with support from the CIA. The AFC will issue tax receipts, invest, and manage all donations to the fund; promote the award among the actuarial community; and administer the annual distribution of the scholarships.

SUPPORTING THE WORK OF THE AFC

The AFC receives financial support from individual members, corporations, and professional actuarial organizations. On behalf of the many beneficiaries of the work of the AFC, the Board wants to express its appreciation for the generous support provided to the AFC.

Each year, the CIA, Casualty Actuarial Society, and Society of Actuaries provide generous financial support to the AFC. The AFC is also grateful for the valuable administrative services that the CIA Head Office provides.

Each fall, the AFC reaches out to individual actuaries to seek support for programs to be funded in the following year. The 2021 campaign generated support from over nearly 160 donors. This result represents significant

growth over 2020 and demonstrates the continued commitment of AFC supporters towards helping the AFC fulfil its mission. The AFC Board appreciates the support received from so many individuals.

The AFC reached out to corporations that employ actuaries in a much more focused manner in 2021 than in prior years. We focused on support for the scholarship and DEI initiatives. Results to date have been gratifying and the fundraising team will look to grow these results in the future.

Total donations exceeded \$200,000, an increase of over 30% from 2020. Your support has enabled the AFC to further increase its program support for 2022. You are making the good work of the AFC possible. Appendix B contains a list of AFC donors in 2021. Thank you to all AFC supporters.

FINANCIAL ACCOUNTABILITY

The AFC Board works closely with the CIA Head Office to ensure that appropriate financial procedures are in place and is committed to have full disclosure of its operations to members and supporters. The AFC is conscious of its responsibilities to make good use of funds provided as well as its responsibilities as a registered charity. The importance of these responsibilities was recognized in the new AFC Strategies noted above.

Appendix A contains an excerpt from the financial statements as at December 31, 2021. The accounting firm BDO Canada audited the financial statements and confirmed to the Board that there were no significant items requiring attention in the review of operations for 2021.

Copies of the 2021 audited AFC financial statements and the 2021 Annual Member Report will be posted to the AFC website shortly after they are approved at the AFC's AGM on June 27. All required filings required by the CRA and the *Canada Not-for-profit Corporations Act* are current.

The Finance and Audit Committee undertook two major projects in 2021:

- Review of the AFC's investment strategy and policy statement. The EO scholarships represent a long-term commitment by the AFC. The Board expects that a longer investment horizon can enable a more aggressive investment strategy that can enhance returns with acceptable prudence. This work will be completed in 2022; and

- Adoption of a restricted fund accounting policy to report on the various segments of the AFC's operations. The year-end statements were produced on this basis. The Board believes that this approach will assist in guiding AFC operations.

The Finance and Audit Committee carefully monitors the ratio of unrestricted assets to program spending to ensure sound and prudent operating guidelines and to reflect a new emphasis on putting donor's money to work sooner.

PREPARING FOR THE FUTURE

The AFC established a program spending budget for 2022 of \$200,000 as compared to \$172,000 in 2021. This budget includes \$27,000 for the first two years of support of the Equality of Opportunity Scholarship.

The Research Committee is working to update the AFC research program funded by Joe Cheng. This program provides assistance to students in the early stages of their actuarial career.

IN CONCLUSION

In order to communicate effectively with its various audiences, the AFC maintains a website with the support of the CIA Head Office. Visit our website at www.afc-fac.ca to stay abreast of the many activities of the AFC.

The AFC is working hard on several promising initiatives in the field of youth financial literacy and math education, where there is a strong link to the actuarial profession. With our ongoing programs, the AFC meets its philanthropic goals and promotes a positive image of the actuarial profession in youth education. As evidenced by the strong demand for support of youth education programs, the AFC is well positioned for future growth in all of its programs.

Respectfully submitted on behalf of the Board of the AFC,
Rob Stapleford, FCIA, FSA
Chair of the Actuarial Foundation of Canada

**APPENDIX A: EXCERPT FROM 2021 FINANCIAL STATEMENTS
BALANCE SHEET AND 2021 INCOME STATEMENT**

	Balance Sheet at Dec 31, 2021				
	Total	General	Hugh White	Maple Leaf	EOS Scholarship
Current Assets					
Cash	\$ 317,111	\$ 168,677	\$24,506	\$ 92,378	\$31,550
Investments	\$ 63,636	\$ 20,092	\$ 43,544	\$ -	\$ -
Contributions Receivable	✓\$ -	\$ -			
Accounts Receivable	✓\$ 1,800	\$ 1,800			
Accrued Interest	✓\$ -				
Prepaid Expenses	✓\$ 850	\$ 850			
Total Current Assets	\$ 383,397	\$ 191,419	\$ 68,050	\$ 92,378	\$ 31,550
Current Liabilities					
Accounts Payable and Accrued Liabilities	✓\$ -	\$ -			
Total Current Liabilities	\$ -	\$ -	✓\$ -	✓\$ -	✓\$ -
Net Assets					
Unrestricted	\$ 191,419	\$ 191,419			
Restricted	\$ 191,978		\$ 68,050	\$ 92,378	\$ 31,550
	✓\$ 383,397	✓\$ 191,419	✓\$ 68,050	✓\$ 92,378	✓\$ 31,550

Income Statement for Year Ending Dec 31, 2021

	Total	General	Hugh White	Maple Leaf	EOS Scholarship
Revenue					
Donations - Individuals, Tax Received *	\$ 87,185	\$ 74,115	\$2,320	\$2,400	\$8,350
Donation - Corporate, Tax Received	\$ 36,380	\$ 6,380	\$0	\$0	\$30,000
Contributions from CIA, SOA, and CAS	\$ 76,937	\$ 76,937			
Contributions in Kind	\$ 21,440	\$ 21,440			
Interest	\$ 3,545	\$ 572	\$2,508	\$465	\$0
Gain on Investments and Foreign Exchange	\$ (3,275)	\$ (96)	(\$3,179)	\$0	\$0
	<u>\$ 222,212</u>	<u>\$179,348</u>	<u>\$ 1,649</u>	<u>\$ 2,865</u>	<u>\$ 38,350</u>
Program Expenses					
Student Math/DEI Initiatives	\$ 154,000	\$154,000			
Student Math Funding Carryforward	\$ -				
Awards - Maple Leaf Award Fund	\$ -			\$0	
Consumer Financial Literacy	\$ -				
Scholarships - H. White Fund	\$ 2,800		\$2,800		
Scholarships - EOS Fund	\$ 15,000				\$15,000
	\$ -				
Administrative Expenses	\$ -				
	\$ -				
Administrative Support	\$ 10,630	\$ 10,630			
Audit	\$ 9,565	\$ 9,565			
Professional Fees	\$ -	\$ -			
Staff Travel	\$ -	\$ -			
Telephone/Teleconference	\$ 491	\$ 491			
Website and Internet Services	\$ 267	\$ 267			
Translation and Editing	\$ -	\$ -			
Credit Card Fees, Bank Brokerage, etc	\$ 2,383	\$ 2,383			
Loss (Gain) On Investment	✓\$ 24	\$ 24			
Change in Value of Investments	✓\$ 492	\$ 492			
Shipping	✓\$ -	\$ -			
Public Relations	✓\$ -	\$ -			
Miscellaneous Expense	✓\$ (2)	\$ (2)			
Gifts (Pins)	✓\$ -	\$ -			
Total Expenses	<u>\$ 195,650</u>	<u>✓\$177,850</u>	<u>✓\$ 2,800</u>	<u>✓\$ -</u>	<u>✓\$ 15,000</u>
Surplus (Deficit)	<u>\$ 26,562</u>	<u>\$ 1,498</u>	<u>\$ (1,151)</u>	<u>\$ 2,865</u>	<u>\$ 23,350</u>

APPENDIX B: Donors to the Actuarial Foundation of Canada in 2021

The Actuarial Foundation of Canada sincerely thanks the following individual and corporate contributors for their much appreciated financial support in 2021:

\$20,000 and more	\$1,000 to \$1,999	\$250 to \$499
Canadian Institute of Actuaries	Ricard, Denis	Forbes, Lisa
Society of Actuaries	Shell, Arnold	Geretto, Gaetano
Sun Life Financial	Stapleford, Ruth & Rob	Greer, Stephanie
Young, William	United Church of Canada	Gros, Barry
	Valani, Nazir	Hogeboom, Douglas
\$10,000 to \$19,999	2 anonymous donors	Irshad, Naveed
Casualty Actuarial Society		McGaire, Scott
Connor, Dean	\$500 to \$999	McIntosh, John
	Bharmal, Shiraz	Morency, Bernard
\$5,000 to \$9,999	Brooks, Douglas	Morton, David
iA Financial Group	Ferland, Martine	Oakden, David
Naranjo, Fabricio	Griffin, Tim	Ohannessian, Dikran
	Hirst, Peter	Pankewycz, Talia
\$2,000 to \$4,999	Kaiser, Greg	Potvin, Jacques
Cheng, Joe S.	Lockridge, Karen	Rausch, Richard
Dussault, Claude	MacNicholas, Garry	Rycroft, Rebecca
Marsh & McLennan Cies	Marks, Josephine	Snell, James W.
	Pelletier, A. David	Solomon, William
\$1,000 to \$1,999	Provencher, Jean-Pierre	Soucy, Vincent
Brierley, James	Sharkey, Robert	Vincent, Carole
Brown, Alexander	Thibault, Alain	Watson, Bill
Canada Life	Uez, Elysia	1 anonymous donor
Edwards, Al	Valani Global	
Friedland, Jacqueline	Witts, Ashley	\$150 to \$249
Giffen, Sharon	2 anonymous donors	Chamberland, Pierre
Giguère, Michel		Choquet, André
Gilliland, David	\$250 to \$499	Ethier, Sébastien
Hyland, Kathryn	Adelson, Valérie	Fraser, Ken
Lacroix, Marthe	Boeckner, Robert G.	Humphries, Dick
Luxton, Eileen	Bonnar, Stephen	Johnston, David
McInemey, Barry	Côté, Jean-Sébastien	Kirr, Martin
Moody's Corporation	Dionne, Micheline	Kopp, Steve
Ngai, Paul	Ens, Marvin	Markham, Ian

APPENDIX B: Donors to the AFC in 2021 (continued)

The Actuarial Foundation of Canada sincerely thanks the following individual and corporate contributors for their much appreciated financial support in 2021:

\$150 to \$249	\$100 to \$149	\$50 to \$99
Mongrain, Jean	Genest, François	Alcott, Susan
Moore, Kit	Hafeman, Michael	Binhong, Gu
Panjer, Harry	Hladun, Patricia	Cloutier, François
Russell Investments	Jonkhans, Angela	DeMos, Tamara
Saucier, Alain	Le, Ngoc (Vy)	Lapointe, Jean-Guy
Smith, McKenzie	Legault, José	MacMillan, Bill
Winokur, Paul	Muirhead, Peter	Melbourne, Geoffrey
1 anonymous donor	Nixon, John Edward	Pazdor, Charles
	Nunes, Paula & Joe	Porter, Jonathan
\$100 to \$149	Poapst, Douglas	Reck, Heike
Adam, Louis	Pothier, Phil	Roux, Éliisa
Babcock, Wafaa	Primeau, Jean-Claude	Smyth, June
Béliveau, Richard	Purcell, Paul	Soehner, Eric
Bilodeau, Claire	Rendall, Caroline	2 anonymous donors
Bolduc, Réal	Stackhouse, Brock	
Brown, Martin	Steinke, Lloyd	\$49 or less
Challes, Gordon	Thompson, Kathleen	24 individual donors
Chamberland, Thierry	Ukonga, Benedict	
Cohen, Michael	Wilson, Debbie	
Dagneault, Alain	Yuen, Henry	
Faulds, Tyrone G.	9 anonymous donors	
Fecteau, Richard		