



UNIVERSITY OF NEW BRUNSWICK REPORT ON LONG-TERM INVESTMENT FUND

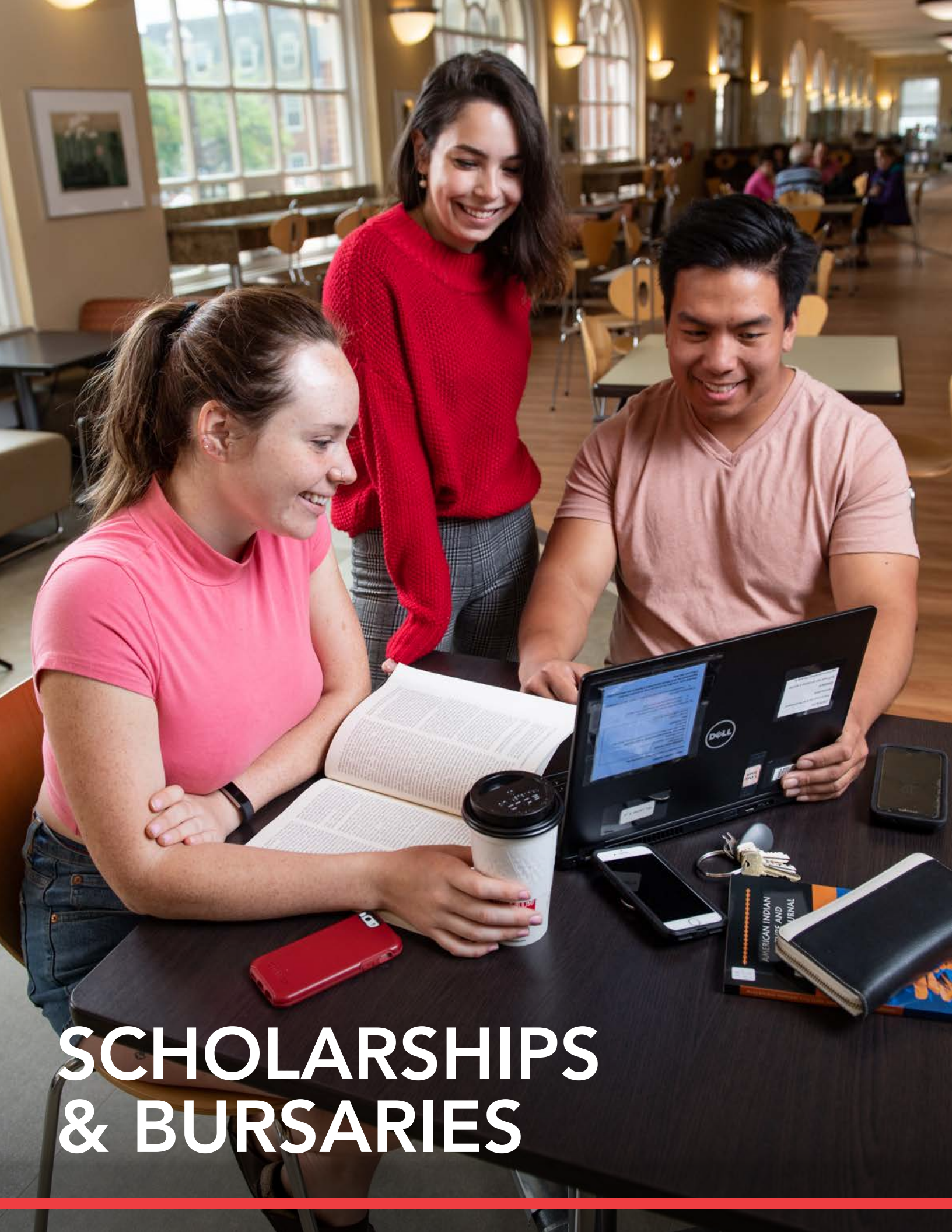
2021-2022





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SCHOLARSHIPS & BURSARIES

“At \$401.1 million, the Fund ranks in the top 30% of Canadian university endowments.”

We are pleased to present the Annual Report on the University of New Brunswick Long-term Investment Fund (“the Fund”) for the year ended April 30, 2022. Key sections include a report on Fund performance, an overview of key governance arrangements for the Fund, highlights of Board approved investment and endowment spending policies, and an overview of key activities carried out by the Investments Committee (“the Committee”) during the year.

WHAT IS THE FUND?

The Fund is a pooled investment fund for philanthropic gifts provided by donors to the University of New Brunswick in support of its mission. This includes endowed gifts that are intended to be held in perpetuity, and expendable gifts that have a long-term spending horizon. The Fund also includes amounts generated from operations that have been restricted for a specific purpose by the University’s Board of Governors.

WHAT IS THE SIZE OF THE FUND?

The Fund had a market value of \$401.1 million as at April 30, 2022, ranking in the top 30% of Canadian university endowments.

WHAT DOES THE FUND SUPPORT?

Gifts are generally restricted by donors for specific purposes. Major categories of support include scholarships and bursaries, chairs and professorships, research, library support and capital projects. The university’s fundraising priorities are aligned with the key academic and research priorities of the institution. Of note, approximately 62% of UNB’s total annual spending on scholarships and bursaries is funded from donor support and related investment income.

Donor gifts may be endowed or expendable. An endowed gift is one where the gift capital must be retained and invested in perpetuity; only the income earned can be used for the purpose specified by the donor. Endowments are intended to create a sustainable and predictable long-term source of funding for high priority programs and activities. Expendable gifts are also important, providing support for immediate needs such as required investments in infrastructure, programs and activities that can have a long-term impact on the university.

The university has a fiduciary responsibility to ensure that expendable gifts and endowment income are used only for the purposes specified by the donor. In keeping with this fiduciary responsibility, individual gifts and major categories of gifts are tracked separately within the university’s trust accounting system. However, gifts are pooled for investment purposes.

WHY ARE GIFTS POOLED FOR INVESTMENT PURPOSES?

The pooling approach provides a number of benefits for donors, beneficiaries, and the university:

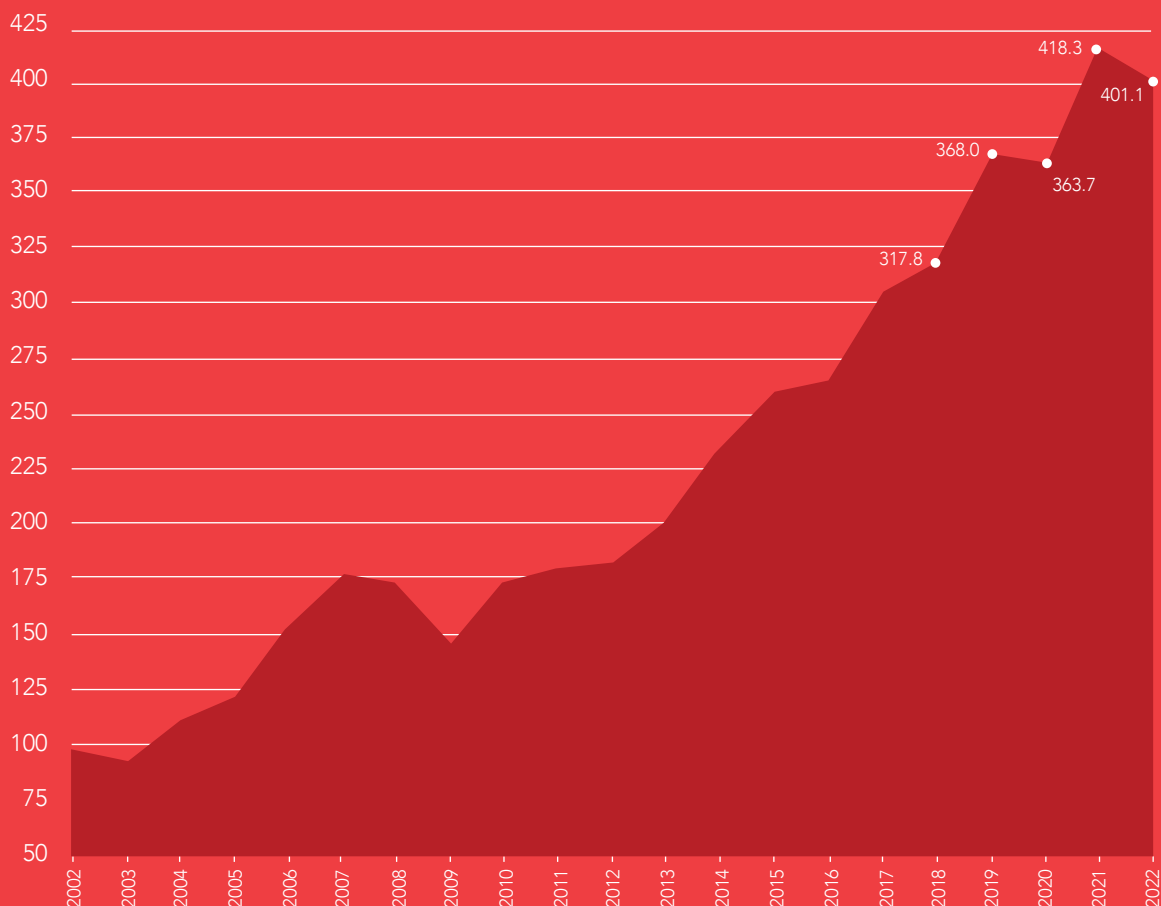
- provides opportunities for diversification, risk management, and economies of scale;
- allows access to best-in-class investment managers;
- provides opportunities for above-average long-term risk adjusted returns;
- supports a competitive annual spending rate; and
- facilitates prudent governance and oversight.

WHO MANAGES THE FUND AND WHAT ARE THE PERFORMANCE GOALS?

All assets are managed by external professional investment management firms (see page 15) in accordance with a Board approved Statement of Investment Objectives and Policy, and within specific mandates approved by the Board Investments Committee. Performance targets are established by the Committee for each mandate and at the total fund level. Performance is monitored by the Committee with the assistance of an independent performance measurement firm.

Fig. 01 **MARKET VALUE LONG-TERM INVESTMENT FUND (\$ MILLIONS)**

As at April 30, 2022



* \$9.0 million transferred to the Short-term Investment Fund in 2010 - 2011

** \$14.4 million transferred to the Long-term Investment Fund in 2018 - 2019

Fig. 02 **FISCAL YEAR RETURNS (%)**

	4-year periods ending April 30 (Annualized)		10-year (Annualized)
	2022	2018	2022
Fund Nominal Return	6.10	7.85	8.13
CPI	(2.97)	(1.58)	(2.05)
Investment Management Costs	(0.38)	(0.45)	(0.40)
Fund Real Return	2.75	5.82	5.68
Target Real Return	4.00	4.00	4.00

Fig. 03 **ANNUALIZED RETURNS (%)**

	1 YEAR	2 YEAR	3 YEAR	4 YEAR	10 YEAR
Fund Return	(0.67)	8.58	5.24	6.10	8.13
Investment Policy Benchmark	(1.79)	7.96	5.46	6.18	7.83
Excess Return	1.12	0.62	(0.22)	(0.08)	0.30

“During a volatile latter part of the fiscal year for market returns, spending for 2022-23 was approved at the target rate.”

The Fund had a market value of \$401.1 million as at April 30, 2022, a net decrease of 4.1% over the April 30, 2021 value of \$418.3 million (see Fig. 01). This net loss resulted from a combination of spending exceeding new gifts, and investment losses.

FOUR-YEAR ANNUALIZED RETURN FAILS TO MEET PRIMARY RETURN OBJECTIVE

The Fund achieved a nominal annualized return of 6.10% for the four-year period ending April 30, 2022. The resulting four-year annualized real return of 2.77% (after inflation and investment related expenses) was below the endowment spending rate target of 4.00%. A combination of capital market fluctuations in the latter part of the fiscal year and rising inflation was the cause of failing to meet the Primary Return Objective.

The Fund's nominal return for fiscal 2021-22 was -0.67%, outperforming the policy benchmark return by 1.12%. The policy benchmark return is the weighted average of the returns of the benchmark indices for each asset class.

PRESIDENT'S TASK FORCE "INVESTING TO ADDRESS CLIMATE CHANGE"

In 2020, several Canadian Universities became signatories to the "Investing to Address Climate Change: A Charter for Canadian Universities". The charter aims to tackle climate change through responsible investing practices. A task force was formed to recommend ways in which the principles and practice outlined in the charter can be met prior to the university becoming a signatory. The task force's work is ongoing.

ENDOWMENT SPENDING POLICY STABLE

One of the University's objectives for the management of its endowment accounts is to maintain a reasonably stable spending rate, in all types of markets. The ability to provide a consistent spending rate from year to year is mainly due to the establishment of endowment spending reserves. In years where investment returns are in excess of what is required to meet spending requirements, inflation protection and administrative costs, the excess is considered a "reserve". The reserves are drawn down in years when investment returns are less than what it required to meet those same requirements.

The market turbulence seen in the latter part of the fiscal year caused by geopolitical tensions and central bank policy resulted in a negative rate of return for fiscal 2022, however, the 4.00% spending rate was maintained for 2022-23. This, coupled with a significant increase in inflation, had a negative impact on spending reserve balances for fiscal 2021-22.

The university's trust and endowment accounts are invested in a well-diversified portfolio. Although this does not guarantee absolute protection from market downturns, history has shown that by staying the course with our long-term investment plan, the University should continue to meet its endowment spending objectives.

As mentioned above, the target rate of spending from endowments in 2022-23 remains at 4.00%. In addition, the long-term endowment spending rate target of 4.00% was confirmed.

INVESTMENT POLICY

An annual review of the endowment spending policy was completed in 2021-22. The annual review includes an assessment of a number of key indicators affecting the outlook for endowment spending, both in the near term and longer term. Key indicators assessed include investment returns, the status of endowment reserves, actuarial views, historical and expected returns, and best practices at other institutions.

The Investments Committee continued to pay particular attention to the long-term capital market assumptions, which when applied to the target asset mix defined in the Investment Policy, may not generate the returns necessary to fund the current 4% spending rate.

A Sub-committee was formed in 2020-21 to review the returns projected from the current asset mix and to recommend, if necessary, changes to the allocation between the asset classes defined in the Investment Policy and/or the introduction of new asset classes. The work was completed shortly after year-end, and a change to the asset mix will be made in 2022-23.



RESEARCH

“ Over the long-term, the Fund has exceeded its primary return objective of a 4% real rate of return. ”

The Committee regularly monitors the performance of the Fund against Committee approved performance objectives. Performance is reviewed at a total fund level, by manager, and by asset class.

PRIMARY PERFORMANCE OBJECTIVE:

The total annualized portfolio real rate of return (net of inflation and investment related expenses) should meet or exceed 4.00% over moving four-year periods, with an acceptable level of risk. The 4.00% real return objective is consistent with the target endowment spending rate of 4.00% annually.

The Fund's annualized real rate of return over the four-year period ending April 30, 2022 was 2.77%, below the 4.00% target. Over the longer term (10 years), the Fund achieved a real return of 5.68% (see Fig. 02).

SECONDARY PERFORMANCE OBJECTIVE:

The annualized return on total assets over moving four-year periods should exceed the weighted aggregate return of the passive investment benchmark indices for the Fund.

Over the four-year period ending April 30, 2022, the Fund's annualized return of 6.10% trailed the policy benchmark by 8 basis points (see Fig. 03). For the one-year period ending April 30, 2022, the Fund returned -0.67%, which was above the policy benchmark by 1.12%. This followed returns of 18.69% for the year ended April 30, 2021 and -1.14% for the year ended April 30, 2020.

RISK ADJUSTED RETURNS

The Committee also reviews and evaluates the Fund's risk exposure and risk adjusted returns on a quarterly basis. Risk adjusted returns are assessed at both a total fund and individual manager level, and are compared with comparable funds and mandates.

The Fund's results were mixed on a risk adjusted basis when compared with similar funds in the RBC Investor & Treasury Services funds universe over the long-term (see Fig. 04). For example, the standard deviation or volatility of returns was at the median of measured funds. Lower volatility is important when striving for consistency in spending. Alternately, the information ratio was in the bottom quartile, a direct result of the negative value added over the period.

ASSET CLASS PERFORMANCE

Elevated inflationary pressures, less accommodative monetary policy and the Russian invasion of Ukraine gave way to volatility in the markets in early calendar 2022.

Canadian equities, as measured by the S&P/TSX Composite Index, returned 11.56%. Global equities, as measured by the MSCI World Index, returned -0.12% in Canadian dollars. Emerging Markets equities, as measured by the MSCI Emerging Markets Index, returned -15.15% in Canadian dollars. Canadian Bonds, as measured by the FTSE Canada Universe Bond Index, returned -7.90%.

The Fund's external investment managers seek to add value to these benchmark index returns through active management of the portfolio. UNB's fixed income manager exceeded the benchmark by 48 basis points. The Fund's Real Estate manager added 1,305 basis points to its benchmark. Within the equity sector, results were mixed. The Canadian, Global Low-volatility and one of two Global equity managers were successful in adding value to their respective benchmarks, 331 basis points, 678 basis points and 66 basis points respectively. However, the other Global equity manager and the Emerging Markets equity manager fell short of their benchmarks: 511 basis points and 1,144 basis points respectively.

The overall result is that the Fund outperformed the composite policy benchmark by 112 basis points in 2021-22.

PERFORMANCE COMPARED TO OTHER UNIVERSITY ENDOWMENTS

The Committee also compares performance at a total fund level to that of other Canadian university endowment funds and to a broader basket of Canadian endowment funds. Comparisons are made on the basis of both nominal and risk adjusted returns. Over the long-term, the Fund has underperformed when compared with other funds, a direct result of current year returns impacting the long-term results. In comparison with other Canadian endowment funds, the Fund has a lower allocation to Canadian equities, the top performing asset class for fiscal year ending Apr. 30, 2022 and a higher allocation to both fixed income and Emerging market equities, both of which posted negative returns over the same period.

Fig. 04 KEY RISK METRICS

For rolling 4-year periods ending March 31

	2022			2021		
	UNB	MEDIAN	QUARTILE RANKING	UNB	MEDIAN	QUARTILE RANKING
RISK EXPOSURE (Volatility)						
Standard Deviation	10.20	10.18	2	9.67	9.62	2
RISK ADJUSTED RETURNS						
Tracking Error	1.60	2.21	4	1.67	1.89	4
Value Added	(0.40)	0.11	4	(0.64)	(0.42)	3
Information Ratio	(0.25)	(0.01)	4	(0.38)	(0.18)	4

Fig. 05 COMPARATIVE RETURNS vs. RBC INVESTOR & TREASURY SERVICES ENDOWMENT AND FOUNDATION FUNDS UNIVERSE (%)

Annualized returns for periods ending March 31, 2022

	1-YEAR	4-YEAR		1-YEAR	4-YEAR
UNB Policy	4.37	7.48	RBC Universe Policy – Median	6.08	7.80
UNB Actual	4.34	7.08	RBC Universe Actual – Median	5.41	7.61

Fig. 06 POLICY TARGETS AND ALLOWABLE RANGES (%)

	POLICY TARGET	ALLOWABLE RANGE	ACTUAL APR. 30, 2022
FIXED INCOME	30	25-35	
Canadian Bonds			22.2
Emerging Market Debt			0.9
High Yield Bonds			1.4
Mortgages			0.8
EQUITIES			
Canadian	15.0	10-20	18.4
Global	25.0	20-30	26.3
Low Volatility Global	15.0	10-20	15.7
Emerging Market	10.0	5-15	8.0
OTHER			
Canadian Real Estate	5.0	0-10	6.3

INVESTMENT POLICY & ENDOWMENT SPENDING POLICY

UNB's management of endowment accounts is based on an integrated approach to endowment spending policy and investment policy.

ENDOWMENT SPENDING POLICY

The university's endowment spending objective is to maintain a reasonably stable, competitive, inflation-adjusted spending rate. The goal is to achieve intergenerational equity by ensuring that the endowment provides a similar level of support to future generations as it does to current beneficiaries. To this end, the university establishes a target endowment spending rate that reflects the Committee's expectations for a long-term sustainable real rate of return net of inflation and investment expenses.

The Committee completes an annual review of the endowment spending rate. The purpose of the review is to consider the appropriateness and sustainability of the long-term target spending rate, and to confirm the approved spending rate for the next fiscal year.

UNB's target spending rate was lowered from 4.25% to 4.00% in 2013-14. Following the 2021-22 review, the target rate remains at 4.00%. The Canadian Association of University Business Officers (CAUBO) conducts an annual investment survey of member institutions; at 4.00%, UNB's endowment spending rate is at the median of other Canadian universities.

The long-term endowment spending rate target of 4.00% was confirmed, and endowment spending in 2022-23 was approved at the target rate subject to the continued asset mix review in 2022-23 (as discussed on page 5).

INVESTMENT POLICY

Investment policy for the Fund is set out in a Board approved Statement of Investment Objectives and Policy (SIOP). The SIOP establishes target allocations to major asset classes, and the allowable ranges within which actual allocations are allowed to deviate from the targets.

The target asset mix set out in the SIOP has been established to meet the endowment spending policy and capital preservation requirements, at an acceptable level of risk. Historical returns and capital market assumptions generally indicate that fixed income securities alone will not generate the returns necessary to provide income to fund current needs while maintaining the purchasing power of the endowment for future generations of students. To meet these dual objectives, the asset allocation is biased in favor of equities. However, to reduce volatility and diversify against adverse equity markets, the Fund's policy asset mix also includes a significant allocation to fixed income securities.

Asset mix is regularly reviewed by the Committee for appropriateness and for its ability to achieve the real return objective over the long term. The most recent comprehensive review of the Policy asset mix for the Fund was completed in 2016-17. An asset mix review that was initiated in fiscal 2020-21 was completed in early 2022-23.

ANNUAL INVESTMENT AND ADMINISTRATIVE CHARGES

In addition to the investment management costs reflected in fig. 02, the cost of services provided by the external custodian, performance measurement provider and consultants (if applicable), are similarly charged to the Fund (0.05% of the average market value of assets for fiscal 2021-22). Internal costs are also recovered from the Fund, including costs related to the services provided by Trust and Treasury (0.03%) and a fixed amount for fundraising and stewardship operations provided by the Development and Donor Relations Office (DDR) (equivalent to 0.18% when expressed as a percentage of the average market value assets). The recovery of costs related to DDR's operations began on May 1, 2020. These costs were previously funded via the one-time, 5% administration fee on all new gifts. The administration fee was eliminated on May 1, 2020.

The total investment and administrative costs of the Fund for fiscal 2021-22 is approximately 0.63% of the average market value of assets.



CAPITAL PROJECTS

“ Investments Committee provides oversight within an approved policy framework. ”

INVESTMENTS COMMITTEE

The Investment Committee, a standing committee of the University's Board of Governors, oversees the investment of the Fund. Members of the Committee are appointed under the authority of the Board, and are accountable to the Board. The Committee has been delegated responsibility and authority by the Board to make decisions within parameters established in the Committee's Terms of Reference.

The Committee meets at least four times per year. Agenda planning is informed by a rolling twelve-month work plan, which helps ensure the Committee stays focused on three key strategic areas: risk, returns and endowment spending rate.

POLICY FRAMEWORK

The Committee has developed a policy framework for managing Fund investments and endowment spending. Key elements of the policy framework include:

- Statement of Investment Beliefs;
- Statement of Investment Objectives and Policy;
- Statement on Sustainable Investing; and,
- Endowment Spending Policy.

These policies and additional information about the governance and management of the Fund can be found on the university's website.

ROLE OF MANAGEMENT

Management's role is to:

Support good governance by providing ongoing support and advice to the Committee with respect to investment policy, endowment spending policy, investment manager structure and related matters; implement approved policies and decisions and provide regular reports on compliance and performance; and carry out the day-to-day administration of the Fund including overseeing the work of external investment managers and other service providers.

EXTERNAL PROFESSIONALS AND SERVICE PROVIDERS

All assets are managed by external professional investment management firms in accordance with mandates approved by the Committee. The Committee has engaged the services of an independent performance measurement firm. Other external specialists are used as required to provide advice on a variety of topics including asset allocation, risk management, endowment spending policy and investment manager searches.

Fig. 07 **MANAGERS WHO ARE PRI SIGNATORIES**

(As a % of assets under management)



Fig. 08 **MANAGERS WITH RESPONSIBLE INVESTMENT POLICIES**

(As a % of assets under management)



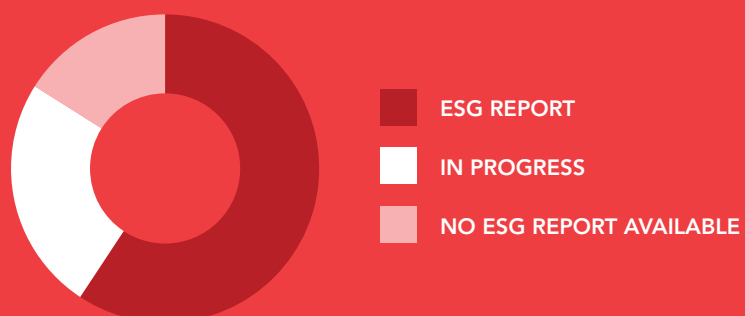
Fig. 09 **MANAGERS WITH A RESPONSIBLE INVESTMENT COMMITTEE**

(As a % of assets under management)



Fig. 10 **MANAGERS REPORT ON ESG PERFORMANCE**

(As a % of assets under management)



FOCUS ON RESPONSIBLE INVESTING

The policy framework for managing Fund investments includes a Board-approved UNB Statement on Sustainable Investing. The statement provides a broad policy framework to guide UNB's approach to sustainable investing and provides a basis for communicating with stakeholders about sustainable investment practices at UNB.

The framework also includes a Committee-approved Statement of Environmental, Social and Governance (ESG) Reporting Protocols for the Fund's investment managers. The statement sets out the Committee's approach to interacting with investment managers to achieve the Board's sustainable investment objectives.

The Committee believes that companies that behave responsibly with respect to ESG factors will have an increased likelihood of enhanced long-term financial performance. As a result, ESG factors need to be considered among other factors to make good investment decisions.

Examples of ESG factors include:

Environment – Climate change and carbon emissions, waste management, deforestation, water scarcity

Social – Health and safety, labour relations, human rights, employee engagement

Governance – Board composition, whistleblower schemes, executive compensation,

The Committee ensures external investment managers are aware of the Statement on Sustainable Investing and understand the expectations that environmental sustainability and high standards of corporate social responsibility and corporate governance are considered when making investment decisions. The Committee also encourages fund managers to incorporate in their proxy voting guidelines policies that encourage issuers to increase transparency of their ESG policies, procedures, and activities.

When selecting new investment managers, the extent in which managers incorporate the consideration of ESG principles when making investment decisions will be considered in the evaluation process.

UNITED NATIONS SUPPORTED PRINCIPLES FOR RESPONSIBLE INVESTMENT (PRI)

The PRI, supported by the United Nations, is an international organization that supports financial institutions in incorporating ESG factors into their investment decisions and encourages investors to use responsible investment to enhance returns and better manage risks. Institutions become signatories to the PRI's six key principles of responsible investment and must file regular reports on their progress. It is not mandatory for UNB's investment managers to be signatories to the PRI. However, given signatory reports are publicly available on PRI's website, signatories have been identified for those seeking additional information on UNB's investment managers' responsible investment practices, which can be found at www.unpri.org.

The following table provides a listing of the Fund's managers, mandates, signatories to the UN PRI and links which include more information on each managers approach to responsible investing:

INVESTMENT MANAGER	ASSET CLASS	UN PRI SIGNATORY
Philips Hager & North Investment Management	Fixed Income	Yes
Fidelity Investments Canada ULC	Canadian Equities	Yes
Sprucegrove Investment Management Ltd.	Global Equities	Yes
BlackRock Asset Management Canada Limited	Global Equities	Yes
Vestcor Inc.	Low Volatility Equities - Global	No
JP Morgan Asset Management	Emerging Markets Equities	Yes
Seamark Asset Management	Total Equities	No
Fiera Properties Ltd.	Real Estate	Yes



LIBRARY SUPPORT

INVESTMENTS COMMITTEE MEMBERS

(AS AT APRIL 30, 2022)

VOTING

CHRISTOPHER W.J. BOYLE

Advisor to the BOG Investments Committee
Senior Vice-President, Institutional Sales & Service
MacKenzie Investments

TOM GRIBBONS

Member of the Board of Governors
Vice-President & Portfolio Manager
RBC Wealth Management, Dominion Securities
Chair, Investments Committee

LARRY HACHEY

Member of the Board of Governors
President
Canlease

KEVIN HOYT

Member of the Board of Governors
Chief Executive Officer,
Financial and Consumer Services Commission of New Brunswick

VIQAR HUSAIN

Member of the Board of Governors
Professor, Department of Mathematics and Statistics
University of New Brunswick

KEVIN LEBLANC

Advisor to the BOG Investments Committee
Former Chief Operating Officer
Investment Management Corporation of Ontario
(Retired)

PAUL MAZEROLLE

Member of the Board of Governors
President and Vice-Chancellor
University of New Brunswick

JOHN SINCLAIR

Advisor to the BOG Investments Committee
Chief Executive Officer
Vestcor Inc.

VISHNU VARDHAN

Member of the Board of Governors
Alternate Student
University of New Brunswick

KORDELL WALSH

Member of the Board of Governors
Student
University of New Brunswick

PETER WELDON

Advisor to the BOG Investments Committee
Principal
Fixed Income Trading
OMERS

NON-VOTING

KAREN CUNNINGHAM

Member of the Board of Governors
Vice-President (Administration & Finance)
University of New Brunswick

SARAH DEVARENNE

Secretary of the Board
University of New Brunswick

JACOB LEBLANC

Student Advisor
University of New Brunswick

JENNIFER MORRISON

University Treasurer
University of New Brunswick

COMMITTEE RESOURCES

MELISSA DAWE

Chief of Staff, President's Office
University of New Brunswick

ANGELIQUE SIMPSON

Vice-President (Advancement)
University of New Brunswick

SHAUNA WOODSIDE

Manager, Trust & Treasury Services
University of New Brunswick

EXTERNAL SERVICE PROVIDERS

(AS AT APRIL 30, 2022)

CUSTODIAN/PERFORMANCE MEASUREMENT

Northern Trust

INVESTMENT MANAGERS

BlackRock Asset Management Canada Limited (Global Equity)

Fidelity Investments Canada ULC (Canadian Equity)

Fiera Capital (Canadian Real Estate)

JP Morgan Asset Management (Emerging Markets Equity)

Phillips, Hager & North Investment Management (Fixed Income)

Seamark Asset Management Ltd. (Total Equity)

Sprucegrove Investment Management Ltd. (Global Equity)

Vestcor Inc. (Low Volatility Global Equity)

