

University of Saskatchewan 1999 Academic Pension Plan

For the Year Ended December 31, 2022



INDEPENDENT AUDITOR'S REPORT

To: The Members of the Legislative Assembly of Saskatchewan

Opinion

We have audited the financial statements of the University of Saskatchewan 1999 Academic Pension Plan, which comprise the statement of financial position as at December 31, 2022, and the statement of changes in net assets available for benefits, and statement of changes in pension obligations for the year then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the University of Saskatchewan 1999 Academic Pension Plan as at December 31, 2022, and the changes in net assets available for benefit and changes in pension obligations for the year then ended in accordance with Canadian accounting standards for pension plans.

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the University of Saskatchewan 1999 Academic Pension Plan in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with Canadian accounting standards for pension plans, 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.

In preparing the financial statements, management is responsible for assessing the University of Saskatchewan 1999 Academic Pension Plan's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the University of Saskatchewan 1999 Academic Pension Plan or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the University of Saskatchewan 1999 Academic Pension Plan's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.



- Obtain an understanding of internal control relevant to the audit 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 University of Saskatchewan 1999 Academic Pension Plan's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the University of Saskatchewan 1999 Academic Pension Plan's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the University of Saskatchewan 1999 Academic Pension Plan to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control identified during the audit.

Regina, Saskatchewan
July 26, 2023

Tara Clemett, CPA, CA, CISA
Provincial Auditor
Office of the Provincial Auditor

**UNIVERSITY OF SASKATCHEWAN
1999 ACADEMIC PENSION PLAN**

**STATEMENT OF FINANCIAL POSITION
As at December 31**

Statement 1

	<u>2022</u>	<u>2021</u>
<u>Assets</u>		
Investments (Notes 3 & 4):		
Equities	\$ 26,020,015	\$ 31,419,989
Real estate	27,352,334	30,615,607
Pooled funds	105,021,000	125,497,596
	<u>158,393,349</u>	<u>187,533,192</u>
Receivables:		
Employee contributions	14,152	17,901
Employer contributions	14,152	17,901
Accrued investment income	22,999	34,189
Other receivables	-	4,105
	<u>51,303</u>	<u>74,096</u>
Cash	210,973	197,670
Total assets	<u>158,655,625</u>	<u>187,804,958</u>
<u>Liabilities</u>		
Accounts payable	261,014	250,935
Total liabilities	<u>261,014</u>	<u>250,935</u>
Net assets available for benefits (Statement 2)	158,394,611	187,554,023
Pension obligations (Statement 3)	147,233,000	168,699,000
Defined contribution component (Note 1a)	<u>124,133</u>	<u>179,531</u>
Surplus	\$ <u>11,037,478</u>	\$ <u>18,675,492</u>

(See accompanying notes)

**UNIVERSITY OF SASKATCHEWAN
1999 ACADEMIC PENSION PLAN**

**STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
For the year ended December 31**

	Statement 2	
	2022	2021
<u>Increase in Assets</u>		
Investment income:		
Interest	\$ 110	\$ -
Dividends - equities	377,951	538,883
Distributions - pooled funds	2,249,664	3,642,540
	<u>2,627,725</u>	<u>4,181,423</u>
Current period change in fair values of investments - (decrease)/increase	(20,645,406)	9,558,560
Contributions:		
Employee	372,102	451,720
Employer	372,102	451,720
	<u>744,204</u>	<u>903,440</u>
Total (decrease)/increase in assets	<u>(17,273,477)</u>	<u>14,643,423</u>
<u>Decrease in Assets</u>		
Plan expenses (Note 7)	859,917	909,565
Pension benefits paid	10,876,691	10,332,226
Refunds and transfers:		
Retirement benefits	149,327	935,180
Termination benefits	-	154,000
	<u>149,327</u>	<u>1,089,180</u>
Total decrease in assets	<u>11,885,935</u>	<u>12,330,971</u>
Net change in net assets available for benefits	(29,159,412)	2,312,452
Net assets available for benefits at beginning of year	<u>187,554,023</u>	<u>185,241,571</u>
Net assets available for benefits at end of year (to Statement 1) \$	<u><u>158,394,611</u></u>	<u><u>\$ 187,554,023</u></u>

(See accompanying notes)

**UNIVERSITY OF SASKATCHEWAN
1999 ACADEMIC PENSION PLAN**

**STATEMENT OF CHANGES IN PENSION OBLIGATIONS
For the year ended December 31**

Statement 3

	<u>2022</u> (Note 8)	<u>2021</u> (Note 8)
Pension obligations, beginning of year	\$ 168,699,000	\$ 172,759,000
Increase in pension obligations:		
Interest on accrued benefits	7,423,000	7,342,000
Benefits accrued with interest	1,256,000	1,429,000
Experience loss	-	4,000
	<u>8,679,000</u>	<u>8,775,000</u>
Decrease in pension obligations:		
Benefits paid with interest	11,205,000	11,638,000
Changes in assumptions	18,466,000	1,197,000
Experience gain	474,000	-
	<u>30,145,000</u>	<u>12,835,000</u>
Pension obligations, end of year (to Statement 1)	\$ <u><u>147,233,000</u></u>	\$ <u><u>168,699,000</u></u>

(See accompanying notes)

**UNIVERSITY OF SASKATCHEWAN
1999 ACADEMIC PENSION PLAN**

**NOTES TO THE FINANCIAL STATEMENTS
December 31, 2022**

1. Description of the Plan

The following description of the University of Saskatchewan 1999 Academic Pension Plan (Plan) is a summary only. For more complete information, reference should be made to the Plan Agreement.

a) General

The Plan was established as a defined benefit pension plan registered under *The Pension Benefits Act, 1992 (Saskatchewan)* and the *Income Tax Act (Canada)*. The Plan is closed to new members.

Effective June 1, 2007 to August 31, 2010, a supplemental defined contribution component was added to the Plan to which the University and active academic and senior administration members each contributed an additional 0.5% of pensionable earnings.

b) Administration

The Academic Defined Benefit Pension Committee (Committee), composed equally of appointees of the Board of Governors and the Faculty Association, provides oversight for the Plan as delegated by the Board of Governors. The Committee provides recommendations to the Board of Governors in matters of Plan amendments and investment policy and also maintains liaison with all those concerned with the operations of the Plan, including the Board of Governors, the trustee, the investment advisors, the actuary and the members of the Plan.

c) Retirement Benefits

The normal retirement date of a member is the June 30th coincident with or next following the attainment of age 67. The annual amount of pension is determined as follows:

A past service pension of:

- 1) 2% of the member's best four years average pensionable salary multiplied by the member's service prior to July 1, 1965; less
- 2) the amount of pension payable under the terms of the prior plans.

Plus a current service pension of:

- 3) 2% of the member's best four years average pensionable salary multiplied by the member's service after July 1, 1965; less

- 4) 0.04% multiplied by the member's service after December 31, 2005 (to a maximum of 35 years) multiplied by the average Canada Pension Plan earnings ceiling in the year of retirement and the two previous years.

The above is a normal form of pension which provides for monthly payments for life with a minimum of 120 monthly payments being guaranteed.

Prior to July 1, 2015, a retiring member could elect the greater of the commuted value of the monthly retirement benefit or the total contributions together with accrued interest, and transfer this amount to a locked-in registered retirement savings vehicle or a prescribed registered retirement income fund, within the maximum tax shelter rules, with any excess being paid in cash. This transfer option was removed from the Plan for any members retiring after June 30, 2015.

d) Disability Retirement Benefits

The annual amount of pension is determined by applying the regular retirement benefit formula. Article V, Section 2(b) of the Plan document provides that during a period of disability the member will be deemed to have received earnings at the member's full normal rate of pay.

e) Termination Benefits

Upon termination of employment a member may elect:

- 1) to receive a deferred retirement benefit; or
- 2) to transfer an amount equal to the greater of:
 - a) employee contributions together with the University's contributions and interest; or
 - b) the commuted value of the monthly retirement benefit
 to a locked-in registered retirement savings vehicle or deferred annuity, within the maximum tax shelter rules, with any excess being paid in cash.

f) Death Benefits

The beneficiary of an employee who dies before retirement will be entitled to receive an amount equal to the greater of:

- 1) the sum of the member's and the University's accumulated contributions with interest; or
- 2) the commuted value of the monthly retirement benefit.

For an employee who is deceased after retirement, the surviving beneficiary will be entitled to receive the benefit outlined by the form of pension elected by the member at the member's retirement date.

g) Plan Improvements

Article XIX of the Plan document makes provision for the use of any actuarial surplus to be applied firstly to the declaration of bonus pensions to existing pensioners, with any remaining surplus to be used to improve the benefits of members in the Plan if an adequate reserve for contingencies exists.

h) Funding

The University, on the advice of the Actuary, contributes to the Plan such amounts as are required to maintain the Plan at a level that at least meets the minimum funding requirements prescribed by *The Pension Benefits Act, 1992*.

The following table summarizes the monthly contributions as recommended by the actuary in the valuation filed as at December 31, 2021:

Fixed rate contributions (percentage of earnings)	
Employee contribution rate	8.50%
Employer contribution rate	8.50%

The December 31, 2021 valuation was filed with the regulators in May 2022. As the valuation revealed a going concern surplus, no additional contributions are required to fund going concern deficiencies.

2. Significant Accounting Policies

These financial statements have been prepared in accordance with Canadian accounting standards for pension plans. These standards include reference to guidance found in International Financial Reporting Standards with respect to the fair value measurement for investment assets and liabilities. For accounting policies that do not relate to its investments or pension obligations, the financial statements comply with Canadian accounting standards for private enterprises, to the extent that these standards do not conflict with the standards for pension plans.

The following policies are considered significant:

a) Basis of Presentation

These financial statements are prepared using the accrual basis of accounting and on the going concern basis and present the aggregate financial position of the Plan as a separate financial reporting entity independent of the sponsor and plan members. They are prepared to assist plan members and others in reviewing the activities of the Plan for the fiscal period but they do not portray the funding requirements of the plan or the benefit security of individual plan members.

b) Investments

Investments are classified as held for trading and are stated at fair value. Bonds, pooled funds, and equities are determined with reference to year end prices from recognized security dealers. Short-term investments are valued at cost, which approximates fair value. Investment transactions are recorded on the trade date.

c) Foreign Currency Translation

The Plan's financial statements are presented in Canadian dollars. Transactions conducted in foreign currency are translated into Canadian dollars using the exchange rate in effect at the transaction date. Monetary assets and liabilities denominated in foreign currencies are adjusted to reflect exchange rates at year end.

d) Use of Estimates

The preparation of financial statements require management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenue and expenses during the year. Actual results could differ from those estimates. Changes in estimates are recorded in the period when identified. Significant estimates and assumptions are used primarily in the determination of investments and pension obligations.

e) Pension obligations

Pension obligations represent the present value of the obligation for pension benefits under the Plan. The pension obligation is determined pursuant to an actuarial valuation or extrapolation. Any change in the liability pursuant to the valuation or extrapolation is recognized as an increase or decrease in that year's Statement of Changes in Pension Obligations.

3. Capital Management and Investment Performance

The Plan receives capital from employee and employer contributions. The Plan also benefits from income and market value increases on its invested capital. The objective of the Plan is to meet future pension obligations and to generate sufficient cash flow to meet pension payments, while complying with *The Pension Benefits Act, 1992* and Canada Revenue Agency regulations.

In accordance with regulatory requirements, the Academic Defined Benefit Pension Committee and the Board of Governors have established a Statement of Investment Policies and Procedures (SIPP) which sets out the investment principles, guidelines and monitoring procedures. The SIPP sets out benchmarks and asset allocation ranges that are intended to best secure the obligations for the pension benefits and result in a reasonable risk-adjusted return on investment. Individual investment decisions are delegated to investment managers subject to the constraints of the SIPP and individual manager mandates. As required, the Committee reviews the SIPP at

least annually. With the assistance of an investment consultant, the Committee regularly monitors the asset mix of each manager to ensure compliance with the SIPP.

The Academic Defined Benefit Pension Committee and the Board of Governors implemented a de-risking investment strategy in order to minimize the volatility on the Plan's funding position and required contributions. The fund will adjust dynamically with the financial position of the Plan. The dynamic allocation is defined by a glide path where the asset allocation is adjusted as the financial position varies. The future target asset mix is as follows:

Solvency Ratio	<90.00%	90.00%- 94.99%	95.00%- 99.99%	100.00%- 104.99%	105.00%- 109.99%	>=110.00%
<i>Liability-Matching Component</i>	50.00%	55.00%	60.00%	65.00%	70.00%	75.00%
<i>Growth Component</i>	50.00%	45.00%	40.00%	35.00%	30.00%	25.00%
Target Asset Mix						
<i>Liability-Matching Component</i>						
Universe Bonds	25.00%	27.50%	30.00%	32.50%	35.00%	37.50%
Long Bonds	25.00%	27.50%	30.00%	32.50%	35.00%	37.50%
<i>Growth Component</i>						
Canadian Equities	7.13%	6.42%	5.71%	5.00%	4.29%	3.58%
Global Equities	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%
Global Low Volatility Equities	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%
Real Estate	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%

After the implementation of the optimized portfolio, the Combined Fund Benchmark will consist of the following market index total returns weighted as indicated:

Solvency Ratio	<90.00%	90.00%- 94.99%	95.00%- 99.99%	100.00%- 104.99%	105.00%- 109.99%	>=110.00%
<i>Liability-Matching Component</i>	50.00%	55.00%	60.00%	65.00%	70.00%	75.00%
<i>Growth Component</i>	50.00%	45.00%	40.00%	35.00%	30.00%	25.00%
Target Asset Mix						
<i>Liability-Matching Component</i>						
FTSE Canada Universe Bond	25.00%	27.50%	30.00%	32.50%	35.00%	37.50%
FTSE Canada Long Term Bond	25.00%	27.50%	30.00%	32.50%	35.00%	37.50%
<i>Growth Component</i>						
S&P/TSX Capped Composite TR	7.13%	6.42%	5.71%	5.00%	4.29%	3.58%
MSCI World ex-Canada Net TR (CAD)	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%
MSCI World Net TR (CAD)	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%
MSCI/REALPAC Canada Property Fund	14.29%	12.86%	11.43%	10.00%	8.57%	7.14%

The current asset component ranges are as follows:

Financial Position	Liability- Matching Component			Growth Component		
	Minimum	Target Allocation	Maximum	Minimum	Target Allocation	Maximum
<90.00%	46%	50%	54%	46%	50%	54%
90.00% - 94.99%	51%	55%	59%	41%	45%	49%
95.00% - 99.99%	56%	60%	64%	36%	40%	44%
100.00% - 104.99%	61%	65%	69%	31%	35%	39%
105.00% - 109.99%	67%	70%	73%	27%	30%	33%
>=110%	72%	75%	78%	22%	25%	28%

The primary long-term investment performance objective is to out-perform the benchmark portfolio. The following is a summary of the Plan's investment performance:

As of December 31, 2022	1 year	4 year
Plan Return	-9.6%	4.4%
Benchmark	-11.2%	4.8%

The annual returns are gross of investment management fees and plan expenses.

4. Investments

Equities

The Plan's investment policy restricts individual holdings to a maximum of 12% of the market value of the equity portfolio and to a maximum of 10% of the common stock in any corporation. The average dividend rate in 2022 is 1.3% (2021 – 1.7%).

	2022	2021
Canadian	\$ 10,735,769	\$ 12,246,715
U.S.	15,284,246	19,173,274
	\$ 26,020,015	\$ 31,419,989

Pooled Funds

The Plan holds units in pooled funds which have no fixed interest rate and its returns are based on the success of the manager. An investment in a pooled fund should not

exceed 10% of the market value of the pooled fund. The Plan's pooled funds are comprised of the following:

	2022	2021
Jarislowsky Fraser Money Market Fund	\$ 186,233	\$ 882,958
BlackRock Canada Long Bond Index Fund	34,780,019	84,345,889
BlackRock Canada Universe Bond Index Fund	35,493,256	-
Jarislowsky Fraser Special Equity Fund	823,922	954,064
Jarislowsky Fraser International Equity Fund	9,095,462	10,750,712
TD Emerald Global Equity Shareholder Yield		
Pooled Fund Trust	24,642,108	28,563,973
TD Greystone Real Estate Fund	27,352,334	30,615,607
	\$ 132,373,334	\$ 156,113,203

Fair Value

The Plan has classified its required fair valued financial instrument holdings using a hierarchy that reflects the significance of the inputs used in determining their measurements.

Under the classification structure, financial instruments recorded at unadjusted quoted prices in active markets for identical assets and liabilities are classified as Level 1. Instruments valued using inputs other than quoted prices included in Level 1 that are observable for the asset or liability either directly or indirectly are classified as Level 2. Instruments valued using inputs that are not based on observable market data are classified as Level 3.

The Plan's investments at year end are classified as follows:

	2022			
	Level 1	Level 2	Level 3	Total
Equities	\$ 26,020,015	\$ -	\$ -	\$ 26,020,015
Pooled Funds				
Money Market	-	186,233	-	186,233
Fixed Income	-	70,273,275	-	70,273,275
Equities	-	34,561,492	-	34,561,492
Real Estate	-	-	27,352,334	27,352,334
Total	\$ 26,020,015	\$ 105,021,000	\$ 27,352,334	\$ 158,393,349

	2021			
	Level 1	Level 2	Level 3	Total
Equities	\$ 31,419,989	\$ -	\$ -	\$ 31,419,989
Pooled Funds				
Money Market	-	882,958	-	882,958
Fixed Income	-	84,345,889	-	84,345,889
Equities	-	40,268,749	-	40,268,749
Real Estate	-	-	30,615,607	30,615,607
Total	\$ 31,419,989	\$ 125,497,596	\$ 30,615,607	\$ 187,533,192

There were no items transferred between levels in 2022 or 2021.

The Level 3 investments are made up of the TD Greystone Real Estate pooled fund. The below table presents the activity of the Level 3 investments:

Level 3 Investments	2022	2021
Opening Balance	\$ 30,615,607	\$ 26,712,009
Purchases	-	-
Sales	(4,142,975)	-
Transfers in/(out)	-	-
Gains/(losses)*	879,702	3,903,598
Closing Balance	\$ 27,352,334	\$ 30,615,607

* Gains/(losses) are included in Current period change in fair values of investments, per Statement 2

5. Financial Risk Management

The nature of the Plan's operations results in a statement of financial position that consists primarily of financial instruments. The risks that arise are credit risk, market risk (consisting of interest rate risk, foreign exchange risk and equity price risk) and liquidity risk.

Financial risks are related to the Plan's investments. These financial risks are managed by having an investment policy, which is approved by the Board of Governors. The investment policy provides guidelines to the Plan's investment managers for the asset mix of the portfolio regarding quality and quantity of fixed income and equity investments. The asset mix helps to reduce the impact of market value fluctuations by requiring investments in different asset classes and in domestic and foreign markets. The Committee reviews regular compliance reports from its investment managers as to their compliance with the investment policy.

Credit risk

Credit risk is the risk that one party does not pay funds owed to another party. The Plan's credit risk arises primarily from certain investments. The maximum credit risk to which it is exposed at December 31, 2022 is limited to the carrying value of the financial assets summarized as follows:

	2022	2021
Accounts receivable	\$ 51,303	\$ 74,096
Investments ¹	70,459,508	85,228,847

¹ includes fixed income and money market pooled funds.

Credit risk within investments is primarily related to bond and money market instruments. It is managed through the investment policy that limits fixed income investments to those of high credit quality (minimum rating for bonds is BBB, and for money market instruments is R-1 Low) along with limits to the maximum notional amount of exposure with respect to any one issuer. The following shows the percentage of bond holdings, in the each bond pooled fund, by credit rating:

Credit Rating – CDA Long Bond Index	2022	2021
AAA	17.7%	17.1%
AA	28.3%	28.2%
A	43.8%	44.4%
BBB	10.2%	10.3%
Total	100.0%	100.0%

Credit Rating – CDA Universe Bond Index	2022	2021
AAA	38.9%	35.4%
AA	16.1%	17.7%
A	32.7%	33.7%
BBB	12.3%	13.2%
Total	100.0%	100.0%

Within the bond pooled fund, there are no holdings from one issuer, other than the Government of Canada or government guaranteed agencies, over 10% of the market value of the combined bond and short-term investment portfolios. No holding of one corporate issuer rated less than A is to exceed 5% of the market value of the bond portfolio.

Market risk

Market risk represents the potential for loss from changes in the value of financial instruments. Value can be affected by changes in interest rates, foreign exchange rates and equity prices. Market risk primarily impacts the value of investments.

Interest rate risk

The Plan is primarily exposed to changes in interest rates in its bond pooled funds. Duration is a measure used to estimate the extent market values of fixed income

instruments change with changes in interest rates. Using this measure, it is estimated that a 1% change in interest rates would change net assets available for benefits by \$7,710,769, representing 11.0% of the \$70,273,275 fair value of fixed income assets, and 4.9% of the total net assets available for benefits.

Foreign exchange

The Plan is subject to changes in the U.S./Canadian dollar exchange rate through its U.S. investments. Also, the Plan is exposed to EAFE (Europe, Australasia and Far East) currencies through its international investments. At December 31, 2022, the Plan's exposure to U.S. equities was 9.6% (2021 – 10.2%) and its exposure to non-North American equities was 21.3% (2021 – 21.0%).

At December 31, 2022, a 10% change in the Canadian dollar versus U.S. dollar exchange rate would result in approximately a \$1,528,425 change in the net assets available for benefits. A 10% change in the Canadian dollar versus the EAFE currencies would result in approximately a \$3,373,757 change in the net assets available for benefits.

Equity Prices

The Plan is exposed to changes in equity prices in Canadian, U.S. and EAFE markets. At December 31, 2022 equities comprise 38.2% (2021 – 38.2%) of the fair value of the Plan's total investments. Individual stock holdings are diversified by geography, industry type and corporate entity. No one investee represents greater than 10% of the fair value of the Plan.

The following table indicates the approximate change that could be anticipated to the net assets available for benefits based on changes in the Plan's benchmark indices at December 31, 2022:

	10% increase	10% decrease
S&P/TSX Capped Composite TR Index	\$ 1,155,969	\$ (1,155,969)
S&P 500 Index	1,528,425	(1,528,425)
MSCI World Net TR Index	3,373,757	(3,373,757)

Liquidity risk

Liquidity risk is the risk that the Plan is unable to meet its financial obligations as they fall due. Cash resources are managed daily based on anticipated cash flows.

6. Fair Value of Financial Instruments

Accounts payable and receivables are non-interest bearing and are due or payable within the next year. Due to their immediate or short-term maturity, the fair value of these financial instruments approximates carrying value.

Fair values of investments are disclosed in Note 4.

7. Plan Expenses

	2022		2021
	Budget	Actual	Actual
Investment management fees	\$ 705,711	\$ 667,529	\$ 712,749
Actuarial fees	77,000	67,121	75,196
Trustee fees	46,000	43,086	45,067
Investment consulting fees	62,186	59,836	57,237
Administration expenses	26,112	22,345	19,316
Total	\$ 917,009	\$ 859,917	\$ 909,565

8. Pension Obligations

The present value of pension obligations was determined using the projected benefit method prorated on service and management's best estimate assumptions. An actuarial valuation of the Plan was performed by Aon as at December 31, 2022 and December 31, 2021. The next actuarial valuation is expected to be performed at December 31, 2023. Significant long-term actuarial assumptions used in the valuation were:

	2022	2021
Discount rate	5.65%	4.40%
Inflation rate	2.25%	2.25%
Salary escalation rate	<u>All:</u> 2.75% per annum	<u>Faculty:</u> 1.80% effective July 1, 2022; 2.75% per annum thereafter <u>Non-Faculty:</u> 2.75% per annum
Mortality table	CPM 2014 Public (unadjusted) with mortality improvements in accordance with Improvement Scale MI-2017	CPM 2014 Public (unadjusted) with mortality improvements in accordance with Improvement Scale MI-2017

The actual rates may vary significantly from the long-term assumptions used. The following illustrates the effect of a 1% change to the rates used in the actuarial valuation:

Assumption	Change Made	Change in Pension Obligations	Percentage Change in Pension Obligations
Discount rate	Plus 1%	\$ (12,067,000)	(8.2%)
	Minus 1%	14,444,000	9.8%
Inflation	Plus 1%	\$ (11,653,000)	(7.9%)
	Minus 1%	13,684,000	9.3%
Salary increase, YMPE increase and <i>Income Tax Act</i> Maximum Pension Increase	Plus 1%	\$ 630,000	0.4%
	Minus 1%	(547,000)	(0.4%)

The net experience during the year was attributable to several factors as outlined below:

	2022	2021
Active members retiring and terminating different than expected	\$ (863,000)	\$ (736,000)
Pensionable earnings increases greater/(less) than expected	73,000	631,000
Pensioner mortality different than expected	369,000	(412,000)
Miscellaneous	(53,000)	521,000
Experience (gain)/loss	\$ (474,000)	\$ 4,000

In addition to the experience loss/(gain), the change in assumptions had a further effect on the obligation, as outlined below:

	2022	2021
Discount rate assumption	\$ (18,466,000)	\$ (2,575,000)
Mortality improvement scale assumption	-	1,397,000
Salary increase assumption	-	(19,000)
(Gain)/loss on change in assumptions	\$ (18,466,000)	\$ (1,197,000)

To protect the Plan against future adverse demographic or investment experience, the Plan Text, under Article XIX, allows that any surplus which may arise from the operation of the Plan which is not required to meet the actuarial liabilities existing there under shall accumulate as a reserve for contingencies.

The assets, including any potential surplus in the plan, are for the benefit of the members and their beneficiaries. There is no provision that allows the withdrawal of the surplus by the University.

The pension obligations disclosed in these statements differ from that used to determine funding requirements. An actuarial valuation for funding purposes was performed as at December 31, 2021 by Aon and was filed with regulatory authorities. The next valuation to be filed with regulatory authorities will be required effective December 31, 2024.

The pension liability is long-term in nature and there is no market for settling these pension obligations. Therefore, determination of the fair value of the pension liability is not practical.

9. Related Parties

The Plan is related to the University of Saskatchewan and other pension plans sponsored by the University of Saskatchewan.

The Plan pays for plan expenses, including certain administration fees and miscellaneous expenses, which the University of Saskatchewan incurs and charges the Plan. The administrative expenses charged by the University of Saskatchewan in 2022 were \$22,345 (2021 - \$19,316). At December 31, 2022, the plan owed the University \$22,345 (2021 - \$19,316).

Account balances resulting from the above transactions are included in the Statement of Financial Position and the Statement of Changes in Net Assets Available for Benefits and are settled on normal trade terms. Other transactions are disclosed separately in these financial statements.