



Teacher's Superannuation Fund
ANNUAL REPORT
2015-2016



Publication Date: October 2020



The Honourable
Bradley G. Trivers
Minister of Education and
Lifelong Learning
Province of Prince Edward
Island
PO Box 2000
Charlottetown, PE C1A 7N8

L'honorable
Bradley G. Trivers

Dear Sir:

Monsieur,

In accordance with section 4
of the *Teachers'*
Superannuation Act, I am
pleased to present to you the
Annual Report of the Prince
Edward Island Teachers'
Superannuation Commission
for the plan year ended June
30, 2016.

Conformément à l'article 4
de la *Teachers'*
Superannuation Act, j'ai
l'honneur de vous
présenter ce rapport
annuel pour l'exercice
terminé le 30 juin 2016.

Je vous prie d'agréer,
Monsieur, l'expression de
ma haute considération,

Respectfully submitted,



Bethany MacLeod, Chair
Teachers' Superannuation Commission
La Commission de Retraite des Enseignants

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Introduction

The Teachers' Superannuation Fund (TSF) was established in 1931 and provides retirement income to members and the dependants of deceased members, in accordance with the *Teachers' Superannuation Act* (TSA).

Plan Description

The TSF is a contributory, defined benefit pension plan financed by contributions from employees and employers, and by investment earnings from the Master Trust Investment Fund.

Contributions – In 2015-2016, members of the plan contributed the following:

- 8.30 percent of pensionable earnings up to the YMPE, and
- 10.00 percent of pensionable earnings in excess of the YMPE.

The YMPE was \$53,600 for 2015 and \$54,900 for 2016.

The employer matches contributions made by the members on a bi-weekly basis.

Membership – All permanent and fixed-term teachers are required to contribute to the plan. Membership begins upon employment.

Benefit Level

The benefit is calculated as 2.0 percent multiplied by the years of pensionable service, multiplied by the average annually indexed pensionable earnings. Please note that for salary below the Canada Pension Plan's YMPE, the 2.0 percent benefit is comprised of:

- a) a 1.3 percent life-time benefit, and
- b) a 0.7 percent temporary bridge benefit, payable from the date of retirement to age 65.

Unreduced Pension – An unreduced monthly pension is payable for life to a member who meets one of the criteria below:

- has attained the age of 60 with two or more years of pensionable service;
- has attained the age of 55 with 30 or more years of pensionable service; or
- has at least 35 years of pensionable service.

Early Retirement – Eligible members can opt for an early retirement pension benefit as early as age 55.

The amount of pension earned is reduced by the lesser of:

- a) 3.0 percent for each year prior to age 60, or
- b) 3.0 percent for each year prior to attaining 30 years of pensionable service.

It should be noted that the early retirement reduction is applied to both the life-time and bridge benefits, and remains in effect for their entire duration.

Members who attain 35 years of pensionable service can retire at any age.

Benefits on Termination - A member in the TSF becomes vested after two years of pensionable service in the plan.

- a) Vested members are eligible for either a deferred pension or a refund of employee contributions plus interest.
- b) Non-vested members must take a refund of employee contributions plus interest.

Inflation Protection – *Pension & Deferred Pension*

The pension payment received upon retirement and the value of a deferred pension benefit are both indexed annually under the TSF. Indexation will be set at 0.90 percent until January 1, 2017 at which time it becomes contingent on the funded status of the TSF. At that point, indexation shall only be awarded if the funded status of the plan is above 110 percent.

Inflation Protection – *Active*

Indexation of past pensionable earnings for active contributors will be set at 1.5% until September 1, 2017 at which point indexation becomes contingent on the funded status of the TSF. At that point, indexation shall only be awarded if the funded status of the plan is above 100 percent.

Death Benefits – The TSF provides a survivor pension to spouses and dependants of vested members.

The estate of non-vested members or vested members with no survivors are eligible to receive a lump-sum payment of one times the member's contributions plus interest. If death occurs post-retirement then the payment is reduced by any benefits paid to member or survivors.

Fund Administration

Administration of the TSA is delegated to the Pensions and Benefits section while investment management support is provided by the Debt Management section. Both of these sections reside in the Department of Finance, Energy and Municipal Affairs.

The TSF's assets are managed independently by professional fund managers. The fund managers responsible for the TSF's investments at June 30, 2016 were:

Canadian Equity

Beutel Goodman & Company

Fixed Income

TD Asset Management

Goldman Sachs Asset Management

Global Equity

Baillie Gifford

Franklin Templeton Investment Management

Lazard Asset Management

Real Estate Investment

Bentall Kennedy

Greystone

State Street Corporation

Currency Overlay

State Street Corporation

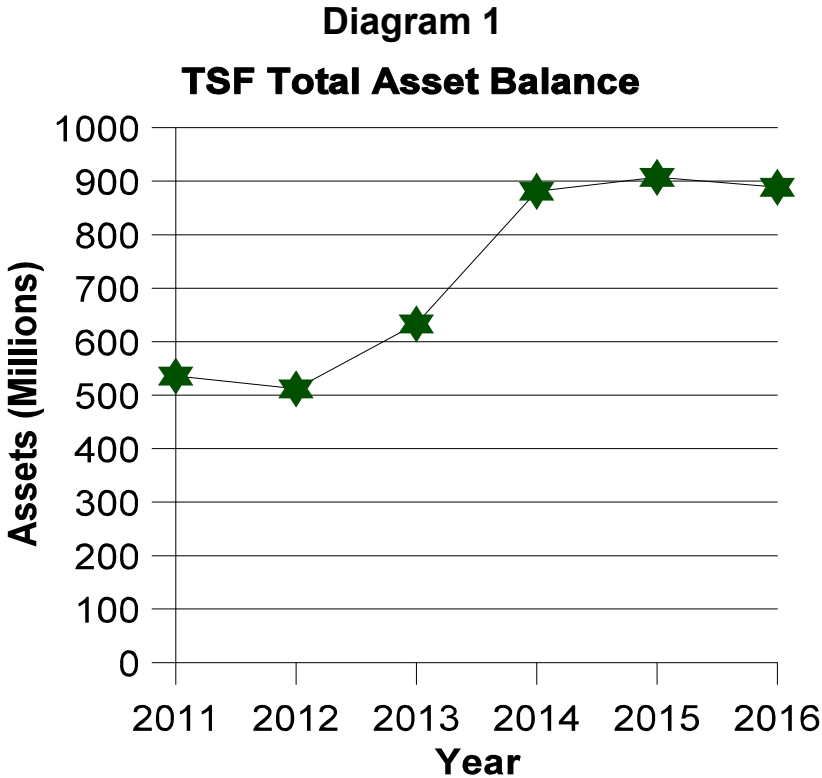
Infrastructure

Global Infrastructure Partners

Lazard Asset Management

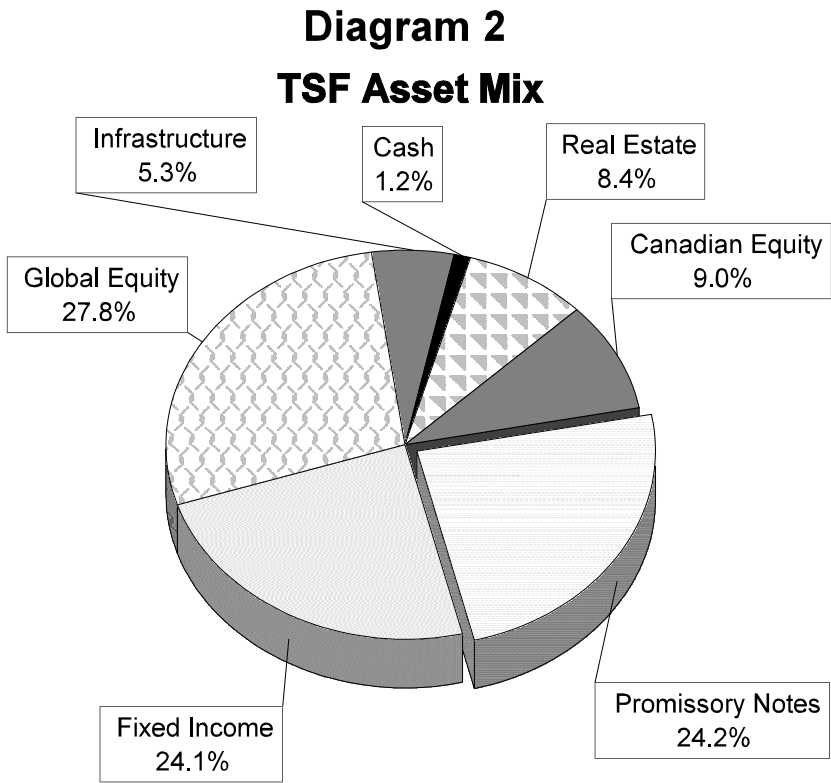
The total asset balance of the TSF at June 30, 2016 was approximately \$889 million, down from \$907 million at June 30, 2015.

Diagram 1 shows the TSF total asset balance from 2009 - 2016.



The marked increase in assets after 2012 can be attributed, in large part, to the special contributions made by the Province. See special contribution commentary on page 9.

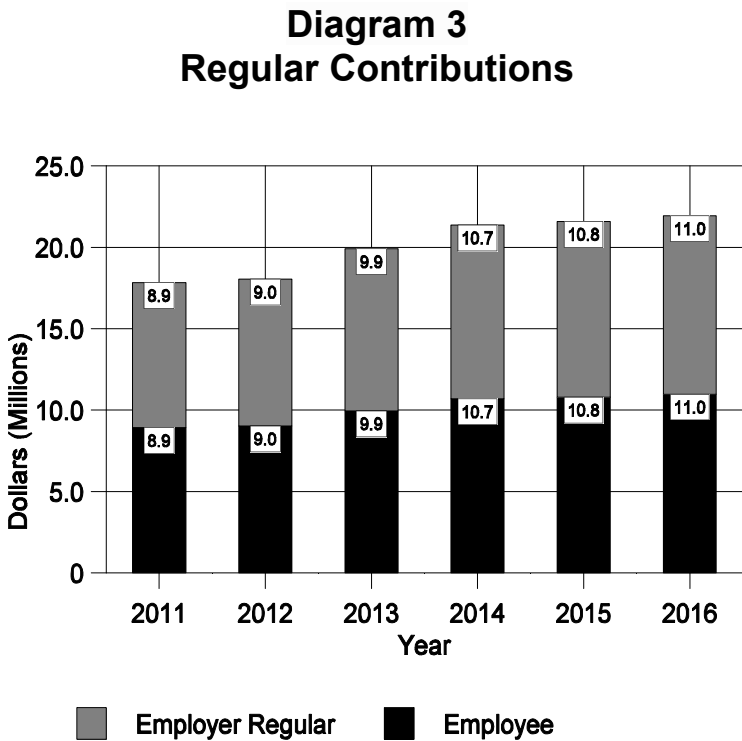
Diagram 2 reflects the TSF's asset mix as at June 30, 2016.



Employers – At June 30, 2016, there were three participating employers in the TSF with a total of 1,811 full- and part-time members. The PEI Teachers’ Federation accounted for three members. Additionally, 93 members were deferred at June 30, 2016.

Regular Contributions – Regular contributions are made to the TSF via payroll deductions. In 2015-2016, the regular contributions from both the employer and employees combined were approximately \$21.9 million, up from \$21.6 million in 2014-2015. Other contributions include special payments from the Province, payments for prior service, and transfers in from other plans via reciprocal agreements.

Diagram 3 depicts, by year, the regular employer and employee contributions made to the TSF.



Special Contributions - The Province of Prince Edward Island periodically made special contributions to the TSF.

The following two payment arrangements are in progress:

April 1, 2013: a contribution commitment of \$80.37 million was made in the form of a promissory note from the Province of Prince Edward Island. This note is receivable in ten equal annual installments of \$8,036,900 plus interest at the rate of 2.9 percent per annum. Interest is to be paid semi-annually on April 15 and October 15.

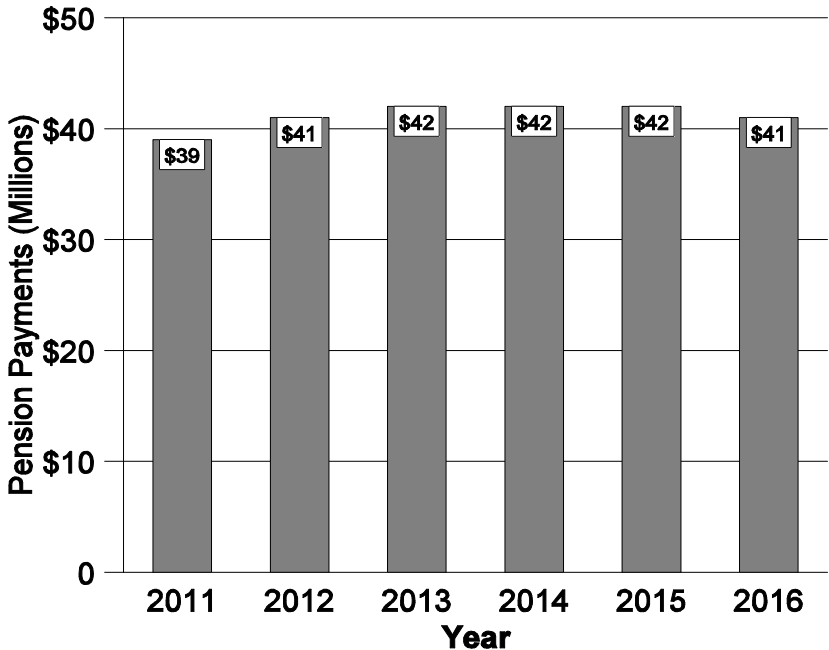
January 1, 2014: the Province of Prince Edward Island committed to a special injection of transitional funding to bring the TSF's funded status to 122 percent. This transitional funding, also in the form of a promissory note, amounted to \$164.6 million plus interest at a rate of 4.14 percent per annum.

Pension Payments – Annual pension payments in 2015-2016 were approximately \$41 million. This is shown in **Diagram 4** below.

Approximately 96 percent of the pension payroll was paid to members and the remaining four percent was paid out as spousal and dependant benefits.

Pensioners – The number of persons receiving pension was

Diagram 4
Pension Payments



1,552 at June 30, 2016. **Table 1**, on the next page, outlines the number of new pensioners, their average age and average annual pension for the most recent fiscal years ending June 30th.

Table 1
Number of New Pensioners with
Average Age and Average Annual Pension

Fiscal Year	No. of New Pensioners	Average Age	Average Annual Pension
2015-2016	55	59.43	\$ 30,739
2014-2015	27	60.5	\$ 28,715
2013-2014	39	58.92	\$ 35,740
2012-2013	45	59.99	\$ 37,694
2011-2012	64	59.42	\$ 33,246
2010-2011	56	58.21	\$ 36,332
2009-2010	48	57.58	\$ 37,315

Table 2 outlines the categories with the average annual pension for each category at June 30th.

Table 2
Pension Categories and
Average Annual Pension

Category	Number of Pensions		Average Annual Pension	
	2016	2015	2016	2015
Members	1,388	1,342	\$ 27,758	\$ 29,254
Disability Pensions	44	46	\$ 20,882	\$ 20,737
Spousal	104	110	\$ 14,864	\$ 15,346
Dependants	16	16	\$ 2,292	\$ 2,314
Total Pensions	1,552	1,514		

Actuarial Requirement – The Teachers’ Superannuation Act (TSA) requires that an actuarial valuation be performed every year to evaluate the funding status of the TSF. Actuarial valuation reports require best estimate assumptions about future events to determine the liabilities of the fund as of the valuation date. The actual assets of the fund, as of the valuation date, are then compared to the liabilities to determine the plan’s funding status.

At the time of printing, the September 1, 2016 actuarial valuation results were available. This valuation was based on the following membership data:

- 1) 1,802 Active Members
Average salary of \$73,688
Average age of 43.5 years
- 2) 1,617 Pensioners
Average annual pension of \$27,636
Average age of 71 years
- 3) 93 Deferred Pensioners
Average annual pension of \$7,878
- 4) 484 Inactives
Estimated average contributions with interest of \$3,741

The value of the Plan assets as at July 1, 2016 was \$880,397,200, which represents 115.6 percent of the actuarial liability of \$761,752,300.

Table 3 details the actuarial valuation statement of financial position as at July 1, 2016.

Table 3
Going-Concern Financial Position
July 1, 2016

Value of Assets		
Market Value	\$ 880,397,200	
	Actuarial Liability	Percentage of Total Liabilities
Active Members	\$ 270,070,100	35%
Inactives and Deferred Vested Members	4,605,500	1%
Retired Members and Beneficiaries	487,076,700	64%
Total	\$ 761,752,300	
Actuarial Surplus (unfunded liability)	\$ 118,644,900	
Funded Status (amount in excess of 100% represents indexation reserve)	115.6%	

Highlights for 2015-2016

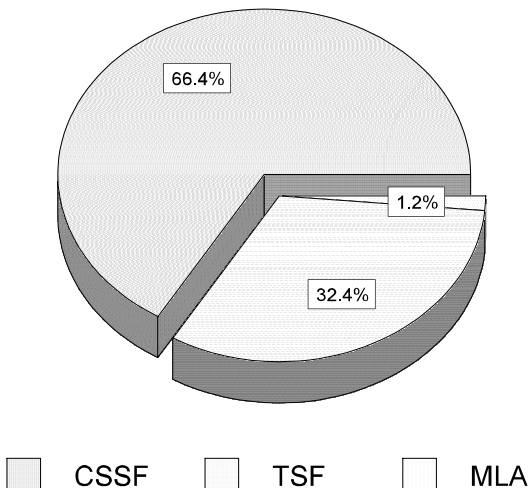
Investment Management

The largest contributor to the growth of TSF assets is normally investment income. These investments are held in the Province of Prince Edward Island Master Trust. The TSF, MLA Pension Fund and Civil Service Superannuation Fund participate in the Master Trust. In 2015-2016, approximately 33 percent of the funds in the Master Trust were assets of the TSF. An overview of the Master Trust at June 30, 2016 is shown in **Diagram 5** below.

As of June 30, 2016, the rate of return of the Master Trust was as follows:

- Annual rate of return: 1.0%
- Ten year rate of return: 5.7%

Diagram 5
Master Trust Investments



TSF Assets

During 2015-2016, there was a net decrease to TSF assets of approximately \$18 million.

Table 4 shows the receipts and income, by source, which totalled approximately \$30 million.

Table 4
Receipts and Income

Type	Amount
Employee Contributions	\$10,970,710
Employer Contributions	10,970,710
Transfer from Other Plans	29,080
Purchased Service	213,022
Interest Income	8,402,307
Market Value Increase	(509,116)
Total	\$ 30,076,713

Table 5 shows the expenditures for 2015-2016, which totalled approximately \$48 million.

Table 5
TSF Expenditures

Type	Amount	% of Expenditures
Benefits Paid	\$ 44,314,703	
Refunds	132,020	
Transfers	485,277	
Total Benefit Expenses	\$ 44,932,000	92.77%
Benefit Admin.	\$ 272,300	
Pension System Fees	37,313	
Investment Admin.	55,645	
Total Administrative Expenses	\$ 365,258	0.75%
Consulting Fees	485,384	
Total Consulting Fees	\$ 485,384	1.00%
Manager Fees	\$ 2,453,472	
Monitoring Fees	116,668	
Custodial Fees	80,397	
Total Investment Expenses	\$ 2,650,537	5.47%
Total	\$ 48,433,179	100%

TSF Commission

The Teachers' Superannuation Act (TSA) provides the legislative basis for the administration and funding of a pension plan for eligible teachers.

The TSA establishes the Teachers' Superannuation Commission and outlines the Commission's roles and responsibilities with regards to the day-to-day oversight of the administration of the TSA.

Where a question arises as to the application, interpretation or administration of this Act, it shall be determined by the Commission. The Minister of Education & Early Childhood Development may, upon review, confirm the determination of the Commission; or substitute his or her determination for the determination of the Commission.

As of June 30, 2016, the Commission had eight members as follows:

No of Members	Member	
1	<i>Chairperson -</i> Deputy Minister of Education & Early Childhood Development	Susan Willis
2	Department of Education & Lifelong Learning	Terry Keefe Chris DesRoche
3	PEI Teachers' Federation	Rosemary Fleming Shaun MacCormac Patrick MacFadyen
1	PEI Retired Teachers' Association	Michel Plamondon
1	Department of Finance, Energy and Municipal Affairs	Gordon MacFadyen

Joint Investment Advisory Committee

The Joint Investment Advisory Committee provides advice to the Minister of Finance, Energy and Municipal Affairs on the following items:

- protection of the principal assets of the Master Trust;
- monitoring of costs;
- recommendations on investment fund asset mix;
- review of investment fund and fund manager performance standards; and
- compliance with both federal and provincial requirements relating to ownership of foreign equities.

At June 30, 2016, the committee is comprised of the following representatives:

<i>Chairperson</i> - Deputy Minister for Department of Finance, Energy and Municipal Affairs	David Arsenault
Canadian Union of Public Employees	Leonard Gallant
International Union of Operating Engineers	Gerald Poirier
Member of the Legislative Assembly	Kathleen Casey
PEI Nurses' Union	Blair MacDonald
PEI Teachers' Federation	Rosemary Fleming Shaun MacCormac Patrick MacFadyen
Provincial Government	Terry Hogan Gordon MacFadyen
Teachers' Superannuation Commission	Terry Keefe
Civil Service Superannuation Commission	Dan Campbell
Retirees	Michel Plamondon - TSF Colin Younker - CSSF
Union of Public Sector Employees	Karen Jackson Mark Arsenault Colin Younker
Ex Officio Outside Designates Fiscal Agents	Nicole d'Ombrain, Tim Van Alstyne,
Consultants	Mario Delisle and Robert Laughton, <i>Aon Hewitt</i>

Audit Requirements

In accordance with section 31 of the *Teachers' Superannuation Act*, the financial statements have been examined by the Office of the Auditor General whose report is included in the appendix of this annual report.

Contact Information

For further information concerning the administration of the ***Teachers' Superannuation Act***, please contact:

Pensions and Benefits
Department of Finance
3rd Floor Sullivan Building, 16 Fitzroy Street
PO Box 2000
Charlottetown, PE C1A 7N8
Telephone: (902) 368-4200
Fax: (902) 620-3096

Terry Hogan, Manager
Pamela MacEachern, a/Operations Supervisor

For further information concerning the ***Master Trust Fund*** contact:

Ryan Bradley, Investment Officer
Debt and Investment Management
Department of Finance
Tel: (902) 368-4167

Appendix

Audited Financial Statements for 2015-2016

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Financial Statements
June 30, 2016

Management's Report

Management's Responsibility for the Financial Statements

The financial statements have been prepared by management in accordance with Canadian accounting standards for pension plans and the integrity and objectivity of these statements are management's responsibility. Management is responsible for the notes to the financial statements and for ensuring that this information is consistent, where appropriate, with the information contained in the financial statements.

Management is responsible for implementing and maintaining a system of internal control to provide reasonable assurance that reliable financial information is produced.

The Teachers' Superannuation Commission is responsible for ensuring that management fulfills its responsibilities for financial reporting and internal control. The Commission reviews internal financial reports on a regular basis and externally audited financial statements yearly.

The Auditor General conducts an independent examination, in accordance with Canadian generally accepted auditing standards and expresses her opinion on the financial statements. The Auditor General has full and free access to financial information and management of the Prince Edward Island Teachers' Superannuation Fund to meet as required.

On behalf of the Prince Edward Island Teachers' Superannuation Fund



Mr. Neil Stewart, CPA, CA
Deputy Minister, Department of Finance



Mr. Terry Hogan
Manager, Pensions and Benefits

March 7, 2019



Prince Edward Island Île-du-Prince-Édouard

Office of the Auditor General

PO Box 2000, Charlottetown PE
Canada C1A 7N8

Bureau du vérificateur général

C.P. 2000, Charlottetown PE
Canada C1A 7N8

INDEPENDENT AUDITOR'S REPORT

To the Commissioners of the Prince Edward Island Teachers' Superannuation Fund

I have audited the financial statements of the **Prince Edward Island Teachers' Superannuation Fund** which comprise the statement of financial position as at June 30, 2016, and the statements of changes in net assets available for benefits and changes in pension obligation 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 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.

Auditor's Responsibility

My responsibility is to express an opinion on these financial statements based on my audit. I conducted the audit in accordance with Canadian generally accepted auditing standards. Those standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance 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 significant accounting estimates made by management, as well as evaluating the overall financial statement presentation.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my audit opinion.

Opinion

In my opinion, the financial statements present fairly, in all material respects, the financial position of the Fund as at June 30, 2016, and the changes in its net assets available for benefits and its pension obligation for the year then ended in accordance with Canadian accounting standards for pension plans.

B. Jane MacAdam, FCPA, CA
Auditor General

Charlottetown, Prince Edward Island
March 7, 2019

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Statement of Financial Position
June 30, 2016

	2016	2015
	\$	\$
Assets		
Cash	911,666	1,375,387
Investments (Note 3)	666,986,002	676,866,802
Notes receivable (Note 5)	212,861,500	220,898,400
Receivables		
Contributions - employee	2,068,605	1,949,102
- employer	2,087,074	2,005,858
Accrued interest	3,755,745	3,813,694
Other	<u>341,501</u>	<u>288,094</u>
Total Assets	<u>889,012,093</u>	<u>907,197,337</u>
Liabilities		
Accounts payable and accrued liabilities	2,190,129	2,089,187
Remittances payable	831,731	812,786
Investment fees payable	750,535	659,360
Due to the Province of Prince Edward Island	<u>264,900</u>	<u>304,740</u>
Total Liabilities	<u>4,037,295</u>	<u>3,866,073</u>
Net Assets Available for Benefits	<u>884,974,798</u>	<u>903,331,264</u>
Accrued Pension Obligation (Note 4)	<u>884,974,798</u>	<u>903,331,264</u>
Net Surplus (Deficit)	<u>-</u>	<u>-</u>

(The accompanying notes are an integral part of these financial statements.)

Approved on behalf of the Prince Edward Island Teachers' Superannuation Fund


Chairperson


Commissioner

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Statement of Changes in Net Assets Available for Benefits
for the year ended June 30, 2016

	2016	2015
	\$	\$
Increase in Assets		
Investment income (Note 3(a))		
Interest	4,770,168	5,611,297
Dividends	26,260,592	21,445,279
Change in fair value of investments	<u>(31,539,876)</u>	<u>14,906,531</u>
	(509,116)	41,963,107
Other interest income	8,402,307	8,640,750
Contributions		
Employee	10,970,710	10,798,042
Employer	10,970,710	10,797,358
Transfers from other plans	29,080	4,266
Purchased service	<u>213,022</u>	<u>236,143</u>
	<u>30,076,713</u>	<u>72,439,666</u>
Decrease in Assets		
Benefits paid	44,314,703	43,110,071
Operating expenses (Note 6)	3,501,179	3,473,126
Refunds	132,020	174,889
Transfers	<u>485,277</u>	<u>135,480</u>
	<u>48,433,179</u>	<u>46,893,566</u>
Change in Net Assets	(18,356,466)	25,546,100
Net Assets Available for Benefits, beginning of year	<u>903,331,264</u>	<u>877,785,164</u>
Net Assets Available for Benefits, end of year	<u>884,974,798</u>	<u>903,331,264</u>

(The accompanying notes are an integral part of these financial statements.)

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Statement of Changes in Pension Obligation
for the year ended June 30, 2016

	2016	2015
	\$	\$
Accrued Pension Obligation, beginning of year	903,331,264	877,785,164
Change in Accrued Pension Obligation		
Interest accrued on benefits	49,310,023	50,105,593
Benefits accrued	15,195,237	14,438,016
Increase due to purchased service	242,104	240,409
Benefits paid	(44,932,000)	(43,420,440)
Loss on experience and assumption changes	11,967,245	26,985,538
Gain due to contingent indexation	(50,139,075)	(22,803,016)
Change in Accrued Pension Obligation	<u>(18,356,466)</u>	<u>25,546,100</u>
Accrued Pension Obligation, end of year (Note 4)	<u>884,974,798</u>	<u>903,331,264</u>

(The accompanying notes are an integral part of these financial statements.)

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

1. Plan Description

The following description of the Prince Edward Island Teachers' Superannuation Pension Plan (the Plan) is a summary only. For more complete information, reference should be made to the *Teachers' Superannuation Act and Regulations*.

a) General

The Plan is a contributory defined benefit plan covering members as defined in the *Teachers' Superannuation Act*.

b) Contributions

Under the Plan, members make contributions amounting to 8.3 percent of that part of the members' salary up to the amount of the year's maximum pensionable earnings (YMPE) as defined in the *Canada Pension Plan Act* and 10.0 percent on the amount that exceeds the YMPE. Participating employers match member contributions. Herein these are considered the Base Contributions. Beginning January 1, 2017, variable contributions have been introduced based on the funded benefits ratio as defined below (note that contribution changes by funded level are total and not cumulative).

Funded Benefits Ratio	Employee Contributions ¹	Participating Employer Contributions ¹
<100% ²	Base Contributions plus 1%	Base Contributions plus 4%
100% to 110% ³	Base Contributions plus 1%	Base Contributions plus 2%
110% to 135%	Base Contributions	Base Contributions
135% to 145% ⁴	Base Contributions less 1%	Base Contributions less 2%
145% + ⁵	Base Contributions less 1%	Base Contributions less 4%

¹. Subject to the Income Tax Act Rules for maximum contributions.

². If triggered, contributions based on funded benefits ratio <100% remain in effect until funded benefits ratio of ≥ 105% is attained.

³. If triggered, contributions based on funded benefits ratio <110% remain in effect until funded benefits ratio of ≥ 115% is attained.

⁴. If triggered, contributions based on funded benefits ratio ≥135% remain in effect until funded benefits ratio of ≤ 130% is attained.

⁵. If triggered, contributions based on funded benefits ratio ≥145% remain in effect until funded benefits ratio of ≤ 140% is attained.

c) Retirement Benefits

Pension Formula: The annual pension is based on the number of years of service times two percent of average salary with a reduction at age 65 for estimated Canada Pension Plan ("CPP") benefits. The reduction is referred to as a bridge pension and only payable to age 65. The bridge is based on the number of years of service times 0.7% of average salary to a maximum of the average CPP year's maximum pensionable earnings. For Service prior to December 31, 2013, average salary and year's maximum pensionable earnings is based on the best five-year average. For service commencing January 1, 2014, average salary and year's maximum pensionable earnings is based on career average.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

1. Plan Description (continued...)

c) Retirement Benefits (continued...)

Pre-Retirement Indexation: Benefits earned during 2014 to 2016, were automatically indexed at 1.5 percent per annum. As this indexation is guaranteed, it is included in the Base Benefits, which are the Plan benefits prior to any future contingent indexation. In 2017 and beyond, pre-retirement indexation will only be awarded if the funded benefits ratio (as determined at the April 1st immediately prior to the calendar year in which indexation is to be awarded) is greater than 100 percent. If there are years that full indexation is not awarded, and if the funded benefits ratio subsequently reaches 115 percent, then a portion of Plan funds is available to make up for missed indexation in the past. The maximum indexation is 100 percent of the increase in the Average Industrial Wage ("AIW") in Canada. However, if in any year the assets available to be spent on inflation protection are not adequate to provide the full amount, partial indexation will be awarded.

Post-Retirement Indexation: For 2014 to 2016, post-retirement indexation was automatically awarded at 0.9 percent per annum. As this indexation is guaranteed, it is included in the Base Benefits. In 2017 and beyond, post-retirement indexation will only be awarded if the funded benefits ratio (as determined at the April 1st immediately prior to the calendar year in which indexation is to be awarded) is greater than 110 percent. If there are years that full post-retirement indexation is not awarded, and if the funded benefit ratio subsequently reaches 118 percent, then a portion of Plan funds is available to make up for missed past indexation on a go-forward basis (i.e. no retroactive payments). The maximum indexation is 100 percent of CPI; however, if the Plan cannot afford that amount, partial indexation will be awarded. Indexation also applies to deferred vested benefits and is applied in the same manner as the post-retirement indexation.

Retirement Age: For pensionable service prior to January 1, 2019, the earliest unreduced retirement age remains at the earlier of 30 years of pensionable service (minimum of age 55) and attained age 60. For pensionable service after December 31, 2018, the earliest unreduced retirement age will be the earlier of 32 years of pensionable service (minimum of age 55) and attained age 62. The earliest retirement age is 55 with two years of continuous service.

d) Disability Benefits

Disability benefits are available at any age to a member who retires from teaching service because of total and permanent disability provided the member contributed to the Plan for two or more years.

e) Death Benefits

Less than two years of continuous service: On the death of a member prior to completing two years of pensionable service, or after completing two years of service but leaving no surviving spouse or dependant children, the member's accumulated contributions with interest will be refunded.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

1. Plan Description (continued...)

e) Death Benefits (continued...)

Greater than or equal to two years of continuous service: If a member dies prior to retirement but after completing two years of service, the member's spouse is entitled to an immediate pension equal to 60 percent of the accrued, unreduced pension of the member at the time of death. In addition to the spousal pension, an allowance equal to one quarter of the remaining 40 percent of pension is payable in respect of each dependant child until the child attains the age of 16 or until the age of 25 if the child is attending school full-time. In no case shall payment to such children exceed 75 percent of the remaining 40 percent of pension.

If the spouse of the member dies before the member, or where having survived the member the surviving spouse dies leaving children by the member, the 60 per cent pension that was payable to the spouse will be paid to the dependant children until the child attains the age of 16 or until the age of 25 if the child is attending school full time.

f) Termination and Portability of Benefits

In the event of termination of employment for reasons other than retirement or death, a member may elect to receive either:

- a refund of the member's own contributions with interest; or
- if the member has completed at least two years of service, a deferred pension subject to the provisions outlined in the *Retirement Age* section above.

Where there are portability arrangements between the Plan and other plans, members may be able to carry certain pension benefits to those other plans or transfer contributions and service from those other plans to increase pension benefits under the Plan.

g) Marriage Breakdown

Upon application, the pension benefits to which a person is entitled may be divided between the person and the spouse or former spouse.

h) Income Tax

The Fund is a registered pension plan as defined under the federal *Income Tax Act* and is not subject to taxation.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements for the year ended June 30, 2016, have been prepared in accordance with Canadian accounting standards for pension plans as outlined in the

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

2. Summary of Significant Accounting Policies (continued...)

Basis of Accounting (continued...)

Chartered Professional Accountants of Canada (CPA) Handbook Section 4600, Pension Plans. For accounting policies that do not relate to either investments or pension obligations, the Fund has elected to comply on a consistent basis with International Financial Reporting Standards (IFRS) in Part I of the CPA Handbook. To the extent that IFRS in Part I is inconsistent with Section 4600, Section 4600 takes precedence.

Included in the determination of the accrued benefit obligation for pension retirement benefits is a liability for contingent indexation.

For the year ended June 30, 2016, the contingent indexation liability is calculated based on total plan assets less the accrued benefit obligation on base benefits assuming no further contingent indexation. This calculation does not incorporate the potential impact of future events such as contributions, gains and losses on asset returns, and new benefit accruals.

Significant judgment is involved in the accounting treatment of contingent indexation. Management recognizes that the contingent indexation liability represents a new challenge for pensions in Canada. Going forward, management will continue to monitor developments in the accounting standards and practices when assessing the most appropriate accounting treatment for plans with a contingent indexation liability component.

These financial statements are prepared on a going concern basis and present the aggregate financial position of the Fund as a separate reporting entity.

a) Use of Estimates and Measurement Uncertainty

The preparation of financial statements in conformity with Canadian accounting standards for pension plans requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the period. Items requiring the use of significant estimates include investments, accrued interest, accrued liabilities, and the accrued pension obligation.

Estimates are based on the best information available at the time of preparation of the financial statements and are reviewed annually to reflect new information as it becomes available. Measurement uncertainty exists in these financial statements. Actual results could differ from these estimates and the differences could be material.

b) Foreign Currency Translation

Transactions denominated in foreign currencies are translated into Canadian dollars at the rate of exchange prevailing on the transaction date. The fair value of foreign investments and cash held at year-end are translated at the rates in effect at that date.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

2. Summary of Significant Accounting Policies (continued...)

b) Foreign Currency Translation (continued...)

The resulting gain or loss from changes in these rates is included in the current period change in fair value of investments.

c) Fair Value Measurement

Fair value is the amount for which an asset could be exchanged, or a liability settled, between knowledgeable, willing parties in an arm's length transaction on the measurement date.

When available, the Fund measures the fair value of an instrument using quoted prices in an active market for that instrument. A market is regarded as active if quoted prices are readily and regularly available and represent actual and regularly occurring market transactions on an arm's length basis.

If a market for a financial instrument is not active, then the Fund establishes fair value using a valuation technique. Valuation techniques include using recent arm's length transactions between knowledgeable, willing parties (if available), reference to the current fair value of other instruments that are substantially the same, and/or discounted cash flow analysis.

d) Financial Instruments

The Fund's financial instruments include cash, contributions and other receivables, accrued interest, notes receivable, investments, accounts payable, accrued liabilities, amounts due to the Province of Prince Edward Island, investment fees payable, and remittances payable. Due to their nature, the Fund's financial instruments, with the exception of investments, are carried at cost, which approximate their fair values. Investments are carried at fair value and are subject to interest, credit, currency, price, and liquidity risks as described in Note 3.

e) Investments

Investments represent a pool of assets held in a master trust and allocated to each member by units of participation. The Prince Edward Island Master Trust represents a contract between the members (contributors) and the trustee (Minister of Finance). All investments held by the Master Trust are classified as held for trading. Investments are designated at fair value through the statement of changes in net assets available for benefits. Investment purchase and sale decisions are based on their fair value in accordance with the Master Trust's Statement of Investment Policies and Procedures.

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

2. Summary of Significant Accounting Policies (continued...)

e) Investments (continued...)

Significant accounting policies for the pool of assets held in the Master Trust consist of:

(i) Investment transactions

Investment transactions are recognized on the transaction date. Distributions are recognized on the record date. Investments include receivables and payables at June 30, 2016, for interest, dividends, and settled derivative contracts.

(ii) Income recognition

Income from investments is recorded on an accrual basis and includes interest and dividends as well as realized and unrealized gains and losses on investments.

(iii) Investment valuation

Equity and debt

Equity and debt investments are valued at fair value based on quoted market values. Changes in the market value of investments, including realized and unrealized gains and losses, are reflected in the financial statements as a change in the fair value of investments.

Equity investment in real estate

Investment in real estate is represented by an equity investment in a corporation that invests in real estate, participating mortgages, and property for development or resale. Properties within the corporation are valued annually by independent appraisers in accordance with generally accepted appraisal practices and procedures. The appraisal methodology followed is an income approach which is mainly based on discounted cash flows. In estimating future cash flows, certain assumptions are made with respect to future economic conditions and rates of return.

Pooled funds

Pooled funds are valued at the unit values supplied by the pooled fund administrator, which represents the Fund's proportionate share of underlying net assets at fair values determined using closing market prices.

Derivative contracts

The derivative contracts held by the Fund are stated at fair value and are valued using quoted market indices. Realized and unrealized gains or losses on investments from derivative contracts are included in the change in the fair value of investments.

Investment in foreign infrastructure

The Fund owns units in a foreign infrastructure partnership. The partnership invests in portfolio companies that own, operate, develop, manage, and support infrastructure assets. Fair value is based upon a number of factors, including readily available market quotes with appropriate adjustments for trading restrictions, the

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

2. Summary of Significant Accounting Policies (continued...)

e) Investments (continued...)

(iii) Investment valuation (continued...)

Investment in foreign infrastructure (continued...)

most recent round of financings, earnings-multiple analysis using comparable companies, or discounted cash flow analysis.

(iv) Transaction costs

Investment management fees are costs directly attributable to the external management of the assets. Fees incurred on the management of equity holdings in real estate and foreign infrastructure investments are paid directly as a reduction in the fair value of the investment. Fees incurred on the management of other investments are recorded as an investment expense.

f) Revenues and Expenses

Revenues and expenses are recorded on an accrual basis in the period in which the transaction or event that gave rise to the revenue or expense occurred.

g) Accrued Pension Obligation

The value of the accrued pension obligation of the Fund is based on an actuarial valuation prepared on an accounting basis by an independent actuary using the projected unit credit method pro-rated on service and best estimate assumptions. The accrued pension obligation is measured in accordance with accepted actuarial methods using actuarial assumptions and methods adopted by the Fund.

3. Investments and Derivatives

a) Investments

Investments consist of units held in the Master Trust. At year-end, there were 481,477.512 units held in the Master Trust (2015 - 459,424.551) with a fair value of \$1,385.29 (2015 - \$1,473.29) per unit.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

a) Investments (continued...)

Investments of the Master Trust consist of the following listed assets:

	2016	%	2015	%
	\$		\$	
Canadian short-term investments	32,931,291	1.5	33,530,105	1.6
Other liquid assets	595,283	0.1	11,983,357	0.6
Bonds, debentures, and notes	673,866,659	31.7	488,759,523	23.1
Canadian equity securities	251,945,661	11.9	475,185,867	22.5
Foreign equity securities	771,044,563	36.4	822,243,753	38.8
Equity investments in real estate				
Canadian real estate	93,129,613	4.4	88,226,344	4.2
Foreign real estate	141,575,816	6.6	84,969,247	4.0
Foreign infrastructure	147,754,226	7.0	109,974,437	5.2
Currency forwards	5,626,663	0.3	(2,567,388)	(0.1)
Accrual	<u>1,156,593</u>	<u>0.1</u>	<u>3,006,551</u>	<u>0.1</u>
Total	2,119,626,368	100.0	2,115,311,796	100.0
Fund's pro-rated share	<u>31.4671%</u>		<u>31.9984%</u>	
Fund investments **	<u>666,986,002</u>		<u>676,866,802</u>	

Investment income and realized and unrealized gains (losses) of the Master Trust consist of the following:

	Investment	Change in	Investment	Change in
	Income	Fair Value of	Income	Fair Value of
	2016	Investments*	2015	Investments*
	\$	2016	\$	2015
Canadian short-term investments	-	(751)	-	17
Other liquid assets	418,240	(18,317)	313,297	8,619
Bonds, debentures, and notes	13,956,428	11,768,777	15,376,432	4,268,814
Canadian equity securities	11,737,639	17,107,036	17,156,534	14,583,991
Foreign equity securities	65,480,932	(144,800,706)	48,095,524	51,152,582
Equity investments in real estate				
Canadian real estate	-	2,637,789	-	655,305
Foreign real estate	-	16,606,569	-	(30,753)
Foreign infrastructure	5,561,038	8,599,955	1,178,165	3,473,760
Currency forwards	<u>645,826</u>	<u>(10,793,709)</u>	<u>1,636,420</u>	<u>(28,429,987)</u>
Total	97,800,103	(98,893,357)	83,756,372	45,682,348
Fund's pro-rated share	<u>31.7288%</u>	<u>31.8928%</u>	<u>32.3039%</u>	<u>32.6308%</u>
Fund investments **	<u>31,030,760</u>	<u>(31,539,876)</u>	<u>27,056,576</u>	<u>14,906,531</u>

* Includes realized gains of \$29.3 million (2015 - gains of \$64.3 million) and unrealized losses of \$128.2 million (2015 - losses of \$18.6 million).

** Rounded

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

a) Investments (continued...)

Investments include amounts which investment managers of the Master Trust have invested in their own pooled funds. The fair values of these investments are as follows:

	<u>2016</u>	<u>2015</u>
	\$	\$
Beutel, Goodman & Company Limited	24,148,884	21,730,276
Lazard Asset Management LLC	112,999,406	358,116,130
Baillie Gifford Overseas Limited	289,833,434	293,296,762
Bentall Kennedy (Canada) LP	48,602,268	46,292,671
Greystone Managed Investments Inc.	44,527,345	41,933,674
State Street Global Advisors Ltd.	141,575,816	84,969,247
Global Infrastructure Partners (GIP)	34,754,820	24,975,977
TD Asset Management	591,330,883	-
Goldman Sachs Asset Management	<u>336,032,225</u>	<u>-</u>
Total	1,623,805,081	871,314,737
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Fund's pooled funds	<u>510,964,369</u>	<u>278,806,775</u>

b) Derivative Contracts

Derivative contracts are financial contracts, the value of which is "derived" from the value of underlying assets or exchange rates. Derivative contracts provide flexibility in implementing investment strategy.

Forward contracts are used to manage currency exposure and mitigate risk with respect to investments held in foreign currencies. The net notional amount of the currency forwards represents the volume of outstanding transactions and serves as the basis upon which the return and market value of the contract is determined.

The following provides details of the Master Trust's derivative contracts outstanding as of June 30, 2016.

	<u>2016</u>	<u>2015</u>
	\$	\$
Notional Amount	464,087,206	361,293,856
Fair Value	<u>5,626,663</u>	<u>(2,566,794)</u>

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

c) Fair Value Disclosure

Fund investment assets recorded at fair value have been categorized based upon a fair value hierarchy on significant inputs used in measuring fair value. The following fair value hierarchy table presents information about the Fund's assets measured at fair value on a recurring basis at June 30, 2016.

The three levels of the fair value hierarchy are as follows:

Level 1: Inputs that reflect unadjusted quoted prices in active markets for identical assets or liabilities that the investment manager has the ability to access at the measurement date. Level 1 primarily includes publicly listed investments.

Level 2: Inputs other than quoted prices that are observable either directly or indirectly, including inputs in markets that are not considered to be active. Level 2 primarily includes debt securities and derivative contracts not traded in an open market.

Level 3: Inputs that are unobservable. There is little, if any, market activity. Inputs into the determination of fair value require significant management judgment and/or estimation. Level 3 primarily consists of foreign infrastructure investments.

The following table illustrates the classifications of the Fund's financial instruments using the fair value hierarchy as at June 30.

	2016			
	Level 1	Level 2	Level 3	Total
	\$	\$	\$	\$
Canadian short-term investments	32,931,291	-	-	32,931,291
Other liquid assets	595,283	-	-	595,283
Bonds, debentures, and notes	-	673,866,659	-	673,866,659
Canadian equity securities	251,945,661	-	-	251,945,661
Foreign equity securities	771,044,563	-	-	771,044,563
Equity investments in real estate				
Canadian real estate	-	93,129,613	-	93,129,613
Foreign real estate	-	141,575,816	-	141,575,816
Foreign infrastructure	112,999,407	-	34,754,819	147,754,226
Currency forwards	-	5,626,663	-	5,626,663
Totals	<u>1,169,516,205</u>	<u>914,198,751</u>	<u>34,754,819</u>	<u>2,118,469,775</u>
Accrual				<u>1,156,593</u>
Total financial assets at fair value				2,119,626,368
Fund's pro-rated share				<u>31.4671%</u>
Fund investments*				<u>666,986,002</u>

*Rounded

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

c) Fair Value Disclosure (continued...)

	2015			
	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Total</u>
	\$	\$	\$	\$
Canadian short-term investments	31,731,899	1,798,206	-	33,530,105
Other liquid assets	11,983,357	-	-	11,983,357
Bonds, debentures, and notes	-	488,759,523	-	488,759,523
Canadian equity securities	475,185,867	-	-	475,185,867
Foreign equity securities	822,243,753	-	-	822,243,753
Equity investments in real estate				
Canadian real estate	-	88,226,344	-	88,226,344
Foreign real estate	-	84,969,247	-	84,969,247
Foreign infrastructure	84,998,461	-	24,975,976	109,974,437
Currency forwards	-	(2,567,388)	-	(2,567,388)
Totals	<u>1,426,143,337</u>	<u>661,185,932</u>	<u>24,975,976</u>	<u>2,112,305,245</u>
Accrual				3,006,551
Total financial assets at fair value				<u>2,115,311,796</u>
Fund's pro-rated share				31,9984%
Fund investments*				<u>676,866,802</u>

* Rounded

During the 2016 fiscal year, it was determined that a foreign infrastructure investment, which was originally categorized as a Level 3 investment in the fair value hierarchy, is an actively managed pooled fund that is priced daily and invests in listed global infrastructure companies. Thus, it has been more appropriately categorized as a Level 1 investment in the fair value hierarchy. As a result, the fair value disclosure presented above for the 2015 fiscal year has been restated to reduce the Level 3 investments and increase the Level 1 investments by \$85 million. There is no impact on any financial statement line items.

There were no significant transfers between level 1 and level 2 financial instruments during the year ended June 30, 2016.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

c) Fair Value Disclosure (continued...)

The following table details changes in fair value measurement in Level 3 of the fair value hierarchy:

	<u>2016</u>	<u>2015</u>
	\$	\$
Level 3 investments, July 1	24,975,976	14,735,932
Net purchases	4,556,539	4,109,869
Realized gains	133,359	6,830,317
Unrealized gains (losses)	4,272,656	(3,562,574)
Foreign exchange gains	<u>816,289</u>	<u>2,862,432</u>
Total financial assets at fair value	<u>34,754,819</u>	<u>24,975,976</u>
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Level 3 investments, June 30*	<u>10,936,351</u>	<u>7,991,923</u>

*Rounded

d) Investment Risk Management

Risk management relates to the understanding and active management of risks associated with all areas of the business and the associated operating environment. Investments are primarily exposed to foreign currency, interest rate volatility, market price fluctuations, credit risk, and liquidity risk. The Fund has set formal goals, policies, and operating procedures that establish an asset mix among equity and fixed income, require diversification of investments within categories, and set limits on the size of exposure to individual investments and counter parties. Risk and credit considerations are periodically assessed in consultation with external consultants, the Department of Finance, and the Master Trust Investment Advisory Committee. Plan sponsor oversight, procedures, and compliance functions are incorporated into Fund processes to achieve consistent controls and to mitigate operational risk.

(i) Interest Rate Risk

Interest rate risk refers to the fact that the Fund's financial position will change with market interest rate changes as fixed income securities are sensitive to changes in nominal interest rates. Interest rate risk is inherent in the management of a pension plan due to prolonged timing differences between cash flows related to the Fund's assets and liabilities.

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

d) Investment Risk Management (continued...)

(i) Interest Rate Risk (continued...)

Assuming all other variables are held constant, a one percentage point change in nominal interest rates would change the fair value of the Fund by \$15.2 million.

	<u>Value of Fixed Income Securities</u>	<u>Weighted Average Duration</u>	<u>Percentage Point Change</u>	<u>Impact on Fair Value of the Master Trust</u>	<u>Fund's Pro-rated Share</u>	<u>Pro-rated Impact on Fair Value of the Fund</u>
	\$	yrs	%	\$	%	\$
2016	673.9 m	7.19	1	48.4 m	31.4671	15.2 m

(ii) Price Risk

Price risk is the risk of fluctuation in market values of investments from influences specific to a particular investment or from influences on the market as a whole. Price risk is managed by the Fund through the use of diversified investment portfolios traded on various markets and across various industries. Assuming all other variables are held constant, a ten percent change in market values of all public equities would change the fair value of the Fund by \$43.1 million.

	<u>Value of Public Equities</u>	<u>Percentage Change</u>	<u>Impact on Fair Value of the Master Trust</u>	<u>Fund's Pro-rated Share</u>	<u>Pro-rated Impact on Fair Value of the Fund</u>
	\$	%	\$	%	\$
2016	1,370.7 m	10	137.1 m	31.4671	43.1 m

(iii) Credit Risk

Credit risk is the risk of loss in the event the counter party to a transaction fails to discharge an obligation and causes the other party to incur a loss. Credit risk associated with the Fund is periodically assessed in consultation with external consultants, the Department of Finance, and the Master Trust Investment Advisory Committee.

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

d) Investment Risk Management (continued...)

(iii) Credit Risk (continued...)

Fixed Income

The Fund is exposed to credit risk from the following interest earning investments at June 30 as follows:

	2016 (millions) \$	2015 (millions) \$
Federal government	116.5	188.8
Provincial government	229.4	81.1
Corporate	<u>335.5</u>	<u>227.7</u>
Total investment credit risk exposure	681.4	497.6
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Fund's investment credit risk exposure	214.4	159.2
Provincial government promissory note	<u>212.9</u>	<u>220.9</u>
Fund's total credit risk exposure	<u>427.3</u>	<u>380.1</u>

Security Lending

The Fund participates in a Securities Lending Program whereby it lends securities for a fee to approved borrowers. To alleviate the credit risk, borrowers must provide collateral with a value of 105 percent of the value of the securities lent. The market value of the collateral is monitored by the custodian at least daily to ensure that the 105 percent threshold is maintained. In addition, security loans are allocated across various borrowers within the program and the Fund holds indemnification coverage which mitigates the credit and market risk on the collateral.

The fair value of the security loans outstanding and collateral held is as follows:

	2016 \$	2015 \$
Total security loans outstanding	167,821,135	246,470,153
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Fund's security loans outstanding	<u>52,808,444</u>	<u>78,866,505</u>
Total collateral held	176,213,235	258,795,364
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Fund's collateral held	<u>55,449,195</u>	<u>82,810,376</u>

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

d) Investment Risk Management (continued...)

(iii) Credit Risk (continued...)

Derivatives

The Fund is exposed to credit related losses in the event of non performance by counter parties to derivative financial instruments. In order to mitigate this risk, the Fund deals only with highly rated counter parties, with whom International Swap and Derivative Association agreements have been executed, normally major financial institutions with a minimum credit standard of "A" rating, as supported by a recognized credit rating agency.

Credit risk represents the maximum amount that would be at risk as at the reporting date if the counter parties failed completely to perform under the contracts and if the right of offset proved to be non enforceable. Credit risk exposure on derivative financial instruments is represented by the receivable replacement cost of contracts with counter parties, less any prepayment collateral or margin received as at the reporting date.

(iv) Foreign Currency Risk

Foreign currency risk is the risk that the value of the future cash flow of the financial instrument will fluctuate because of changes in foreign exchange rates. Consequently, the Fund is exposed to the risk that the exchange rates of the various currencies may change in a manner that has an adverse effect on the value of the portion of the Fund's assets denominated in currencies other than the Canadian dollar. Foreign currency exposure arises from the holding of investments denominated in foreign currencies. A strategy of hedging a portion of the currency exposure is used to mitigate this risk.

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

3. Investments and Derivatives (continued...)

d) Investment Risk Management (continued...)

(iv) Foreign Currency Risk (continued...)

The Fund's unhedged currency exposure from net investment assets as at June 30, is summarized in the following table:

	2016 (millions) \$	2015 (millions) \$
Currency		
Euro Zone	48.8	54.1
United Kingdom	35.5	44.2
Hong Kong	17.2	37.6
Japan	62.6	52.0
Sweden	13.3	9.3
United States	224.6	294.0
Other	61.1	63.1
Total	463.1	554.3
Fund's pro-rated share	<u>31.4671%</u>	<u>31.9984%</u>
Fund's foreign currency exposure	<u>145.7</u>	<u>177.4</u>

After the effect of hedging, and without a change in all other variables, a 10 percent change in the Canadian dollar against all other currencies would change the fair value of the Fund by \$14.6 million.

During the 2016 fiscal year, it was determined there was an additional unhedged currency exposure than previously presented. As a result, the currency risk presented above for the 2015 fiscal year has been restated to increase the foreign currency exposure by \$8.0 million. There is no impact on any financial statement line items.

(v) Liquidity Risk

Liquidity risk is the risk of not meeting the cash obligations of the Fund in an efficient manner. Cash obligations are fulfilled from contributions to the Fund, cash income of the Fund, and dispositions of Fund assets as required. Cash requirements of the Fund are reviewed on an ongoing basis to provide for the orderly availability of resources to meet the financial obligations of the Fund.

The Fund's cash management policy ensures that the quality and liquidity of the investment vehicles within the portfolio are consistent with the needs of the Fund.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

4. Accrued Pension Obligation

a) Actuarial Valuation

The present value of the accrued pension obligation was determined using the projected unit credit method pro-rated on services and management's best estimate, as at the valuation date, of future economic events and involves economic and non economic assumptions. The non economic assumptions include considerations such as mortality and retirement rates. The primary economic assumptions include the return on investment, discount, inflation, and salary escalation rates.

The effective date of the actuarial valuation for accounting purposes used to determine the pension obligation, prepared by the actuarial consulting firm Morneau Shepell, disclosed a funded surplus of \$118,644,900 over the base benefit liabilities as at April 1, 2016. The accrued pension obligation as at April 1, 2016 is extrapolated from the accrued pension obligation determined as in the report of the actuarial valuation as at April 1, 2015 for funding and accounting purposes. This represents a change in methodology from the previous valuation. An actuarial valuation of the Teachers' Superannuation Fund is performed annually as at April 1st and is required to be completed by December 31st of each year.

The total accrued benefit obligation at April 1, 2016 consists of the following:

Base benefit liability	\$761,752,300
Contingent indexation liability ¹	<u>118,644,900</u>
Total accrued benefit obligation	<u>\$880,397,200</u>

¹ The contingent indexation liability is calculated based on total plan assets less the accrued benefit obligation assuming no future contingent indexation. This calculation does not incorporate the potential impact of future events such as contributions, gains and losses on investments, or new benefit accruals.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

4. Accrued Pension Obligation (continued...)

a) Actuarial Valuation (continued...)

The assumptions for the valuations performed as at April 1, 2016 and April 1, 2015, are as follows:

	2016	2015
Inflation	2.25%	2.25%
Discount Rate	5.40% for 10 years, 5.90% thereafter	5.60% for 9 years, 5.90% thereafter
Expected Rate of Return of Plan Assets	5.40% for 10 years, 5.90% thereafter	5.60% for 9 years, 5.90% thereafter
Salary Escalation	Basic increase of 2.75% per annum + promotional scale	Basic increase of 2.75% per annum + promotional scale
Pre-Retirement Indexation	1.50% per annum for 2016, 2.75% per annum for 12 years, 0% per annum thereafter	1.50% per annum for 2015 and 2016, 2.75% per annum for 17 years, 0% per annum thereafter
Post-Retirement Indexation (includes deferred pensioners)	0.90% per annum for 2016, 2.25% per annum for 4 years, 0% per annum thereafter	0.90% per annum for 2015 and 2016, 2.25% per annum for 11 years, 0% per annum thereafter
Mortality	CPM2014Publ with future improvements based on CPM Scale B and adjustments of 1.0 for males and 0.95 for females	CPM2014Publ with future improvements based on CPM Scale B and adjustments of 1.0 for males and 0.95 for females
Termination	Tenure-based scale	Tenure-based scale
Retirement Age	Service and age - based scale	Service and age - based scale
Proportion Married	Age and gender - based scale	Age and gender - based scale
Age Difference for Spouses	Males 2 years older than female spouses	Males 2 years older than female spouses

b) Extrapolation

The accrued benefit obligation at June 30, 2016 is estimated by the Fund, based on an extrapolation of the April 1, 2016 actuarial valuation. The total accrued benefit obligation at June 30, 2016 consists of the following:

Base benefit liability	<u>\$764,678,894</u>
Contingent indexation liability	<u>120,295,904</u>
Total accrued benefit obligation	<u>\$884,974,798</u>

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

4. Accrued Pension Obligation (continued...)

c) Sensitivity of Changes in Major Assumptions

The Fund's future experience may differ from the assumptions used in the actuarial valuation and the extrapolation. Any differences between the actuarial assumptions and future experience could be significant and will emerge as experience gains or losses in future valuations which will affect the financial position of the Fund.

5. Funding Policy

- a) Prior to plan amendments in 2014, the province was committed to make payments if the assets of the TSF were insufficient to provide for pension payments as they became due. In addition, a funding policy existed which required the province to make special contributions when the TSF's funded level declined below 90 percent.

Special contributions made under this funding policy were as follows:

- (i) As a result of an unfunded liability at July 1, 2011, the province made a special contribution through the signing of a \$80,369,000 promissory note. The note, issued December 11, 2012, is held by the Fund and is receivable in ten equal annual instalments of \$8,063,900 beginning April 1, 2013. Interest on the note is accrued from April 1, 2012, at a rate of 2.9 percent per annum, and is receivable semi-annually on April 1 and October 1.

The following is a schedule of principal and interest payments as disclosed in the promissory note:

<u>Date of Payment</u>	<u>Principal Payments</u>	<u>Interest Payments</u>	
	<u>Principal Payment</u> \$	<u>April 1</u> \$	<u>October 1</u> \$
April 1, 2012	-	-	1,165,351
April 1, 2013	8,036,900	1,165,351	1,048,815
April 1, 2014	8,036,900	1,048,815	932,281
April 1, 2015	8,036,900	932,281	815,746
April 1, 2016	8,036,900	815,746	699,210
April 1, 2017	8,036,900	699,210	582,675
April 1, 2018	8,036,900	582,675	466,140
April 1, 2019	8,036,900	466,140	349,605
April 1, 2020	8,036,900	349,605	233,070
April 1, 2021	8,036,900	233,070	116,535
April 1, 2022	<u>8,036,900</u>	<u>116,535</u>	-
	<u>80,369,000</u>	<u>6,409,428</u>	<u>6,409,428</u>

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

5. Funding Policy (continued...)

- b) As part of the plan amendments in 2014, the province's requirement to make payments if the assets of TSF were insufficient to provide for pension payments as they became due was removed and the funding policy was rescinded.

Beginning on April 1, 2016, if the funded benefits ratio of the Plan falls below 100 percent (of base benefits) and, after reflecting the future contributions as described in Note 1(b), the Plan is still not projected to achieve a funded benefits ratio of at least 100 percent within five years, the province is required to make an additional contribution equal to one fifth of the additional amount required to restore the funded benefits ratio to 100 percent within five years. This is reviewed on an annual basis and the contribution amount will be subject to change each year.

In addition, the province committed to make a one-time transitional contribution (transitional government funding amount) to the Plan on or before December 31, 2014 such that, if that contribution had been made on January 1, 2014, the total assets of the Fund would have equalled:

- 122 percent of the total liabilities of the Fund excluding the liabilities for salary indexing and pension indexing for any year after 2013; plus
- 100 percent of the liabilities for salary indexing and pension indexing for 2014, 2015, and 2016.

The transitional government funding amount was contributed to the TSF by the Province of Prince Edward Island through the signing of a \$164,640,100 promissory note. The note, issued December 22, 2014, is held by the Fund and is receivable in seven equal annual instalments of \$23,520,014 beginning January 1, 2023. Interest on the note is accrued from January 1, 2014 at a rate of 4.14 percent per annum and is receivable semi-annually on January 1 and July 1.

**PRINCE EDWARD ISLAND
TEACHERS' SUPERANNUATION FUND**

Notes to Financial Statements
June 30, 2016

5. Funding Policy (continued...)

b) (continued...)

The following is a schedule of principal and interest payments as disclosed in the promissory note:

<u>Date of Payment</u>	<u>Principal Payments</u>	<u>Interest Payments</u>	
	<u>Principal Payment</u>	<u>January 1</u>	<u>July 1</u>
	\$	\$	\$
January 1, 2014	-	-	3,408,050
January 1, 2015	-	3,408,050	3,408,050
January 1, 2016	-	3,408,050	3,408,050
January 1, 2017	-	3,408,050	3,408,050
January 1, 2018	-	3,408,050	3,408,050
January 1, 2019	-	3,408,050	3,408,050
January 1, 2020	-	3,408,050	3,408,050
January 1, 2021	-	3,408,050	3,408,050
January 1, 2022	-	3,408,050	3,408,050
January 1, 2023	23,520,014	3,408,050	2,921,186
January 1, 2024	23,520,014	2,921,186	2,434,321
January 1, 2025	23,520,014	2,434,321	1,947,457
January 1, 2026	23,520,014	1,947,457	1,460,593
January 1, 2027	23,520,014	1,460,593	973,729
January 1, 2028	23,520,014	973,729	486,865
January 1, 2029	<u>23,520,016</u>	<u>486,865</u>	-
	<u>164,640,100</u>	<u>40,896,601</u>	<u>40,896,601</u>

Subsection 9(5) of the *Teachers Superannuation Act* stipulates that none of the above promissory notes may be cancelled or recalled by the province prior to maturity unless the province contributes to the TSF assets equal to or greater than the value of the promissory notes on the date of cancellation or recall. The notes are non-transferrable.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

6. Operating Expenses

The Fund is charged with administrative and operating expenses. The following is a summary of these expenses.

	<u>2016</u> \$	<u>2015</u> \$
Administrative expenses - pension section	309,613	289,332
- investment section	<u>55,645</u>	<u>56,873</u>
	365,258	346,205
Consulting fees*	413,357	382,110
Actuarial fees	72,027	259,593
Investment expenses		
Custodian	80,397	104,209
Monitoring	116,668	94,011
Management	<u>2,453,472</u>	<u>2,286,998</u>
	<u>3,501,179</u>	<u>3,473,126</u>

* Includes other actuarial services

7. Related Party Transactions

The Province of Prince Edward Island is the sponsor of the Plan. At the financial statement date, the province has committed to the funding requirements as defined by the Funding Policy (Note 5). As a participating employer, the province contributes regular bi-weekly employee and eligible prior period service contributions. Employer contributions receivable from the province as at June 30, 2016, totalled \$2,083,536 (2015 - \$2,003,292).

The province provides pension and investment administration services to the Fund. A portion of the province's costs relating to these services is recovered annually from the Fund. Costs recovered for the pension section totalled \$264,900 (2015 - \$248,630) and recoveries related to the investment section totalled \$55,645 (2015 - \$56,873). Other costs recovered by the province totalled \$37,313 (2015 - \$36,028).

Total amount payable to the province at June 30, 2016, was \$264,900 (2015 - \$304,740).

Total notes, special contribution and interest receivable from the province at June 30, 2016, was \$216,617,245 (2015 - \$224,712,094).

8. Capital Management

The main objective of the Fund is to sustain a level of net assets in order to meet the pension obligations of the Fund. The Plan sponsor manages the contributions received and benefits issued as required by the *Teachers' Superannuation Act*.

PRINCE EDWARD ISLAND TEACHERS' SUPERANNUATION FUND

Notes to Financial Statements
June 30, 2016

8. Capital Management (continued...)

In an effort to utilize economies of scale, contributions for the province's three registered pension plans are pooled and invested together in the province's Master Trust (the Master Trust). Each pension plan holds units of the Master Trust in proportion to the value of contributions made. The province has developed a Statement of Investment Policies and Procedures (SIP&P) to provide the framework for how the Master Trust's assets are to be invested, monitored, and evaluated. Assets are managed by engaging knowledgeable, external investment managers who are charged with the responsibility of investing new and existing funds in accordance with the SIP&P. A Master Trust Investment Advisory Committee exists for the purpose of protecting the pension fund assets, monitoring asset mix, reviewing costs, reviewing investment returns, and assessing investment manager performance, as well as providing advice to the Minister of Finance who serves as Trustee for the province's three registered pension plans.

9. Commitment

The Master Trust has entered into an arrangement with Global Infrastructure Partners (GIP) where it has committed to invest \$35 (US) million in its GIP II Fund. GIP is an independent infrastructure fund manager that invests in high quality infrastructure assets in the energy, transport, water, and waste sectors. As of the audit report date, \$31.6 (US) million has been invested.

In the current fiscal year, the Master Trust committed to invest \$75 (US) million with GIP in its GIP III Fund. As of the audit report date, \$52.5 (US) million has been invested.

10. Prior Period Comparative Figures

Certain prior period comparatives have been restated to conform to the presentation format adopted in the current year.