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

Office of the Auditor General

PO Box 2000, Charlottetown PE Canada C1A 7N8

Île-du-Prince-Édouard

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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

Rfane Marlida

Charlottetown, Prince Edward Island March 7, 2019

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Statement of Financial Position June 30, 2016

	2016	2015
×	\$	\$
Assets	044.000	4 075 007
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	341,501	288,094
Total Assets	889,012,093	907,197,337
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	264,900	304,740
Total Liabilities	<u>4,037,295</u>	<u>3,866,073</u>
Net Assets Available for Benefits	884,974,798	903,331,264
Accrued Pension Obligation (Note 4)	884,974,798	903,331,264
Net Surplus (Deficit)		

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

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

Chairperson

Commissioner

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

	0040	2045
	2016	2015
Increase in Assets	\$	\$
Investment income (Note 3(a)) Interest Dividends Change in fair value of investments	4,770,168 26,260,592 <u>(31,539,876</u>)	5,611,297 21,445,279 14,906,531
Other interest income	(509,116) 8,402,307	41,963,107 8,640,750
Contributions Employee Employer Transfers from other plans Purchased service	10,970,710 10,970,710 29,080 213,022 30,076,713	10,798,042 10,797,358 4,266 236,143 72,439,666
Decrease in Assets Benefits paid Operating expenses (Note 6) Refunds Transfers	44,314,703 3,501,179 132,020 485,277 48,433,179	43,110,071 3,473,126 174,889 135,480 46,893,566
Change in Net Assets	(18,356,466)	25,546,100
Net Assets Available for Benefits, beginning of year	903,331,264	<u>877,785,164</u>
Net Assets Available for Benefits, end of year	<u>884,974,798</u>	903,331,264

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

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	(18,356,466)	25,546,100
Accrued Pension Obligation, end of year (Note 4)	884,974,798	903,331,264

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

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%

Subject to the Income Tax Act Rules for maximum contributions.

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.

^{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.

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.

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.

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

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.

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.

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

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.

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:

	<u>2016</u>	<u>%</u>	<u>2015</u>	<u>%</u>
	\$		\$	
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	1,156,593	0.1	3,006,551	0.1
Total	2,119,626,368	100.0	2,115,311,796	<u>100.0</u>
Fund's pro-rated share	31.4671%		31.9984%	
Fund investments **	666,986,002		676,866,802	

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

	Investment Income 2016	Change in Fair Value of Investments* 2016	Investment Income 2015	Change in Fair Value of Investments* 2015
Canadian short-term investments	# E	(751)	#1	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	3 4 0	(30,753)
Foreign infrastructure	5,561,038	8,599,955	1,178,165	3,473,760
Currency forwards	645,826	(10,793,709)	1,636,420	(28,429,987)
Total	97,800,103	(98,893,357)	83,756,372	45,682,348
Fund's pro-rated share	31.7288%	31.8928%	32.3039%	32.6308%
Fund investments **	31,030,760	(31,539,876)	27,056,576	14,906,531

^{*} 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

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:

	2016 \$	<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	<u>=</u>
Goldman Sachs Asset Management	336,032,225	<u> </u>
Total	1,623,805,081	871,314,737
Fund's pro-rated share	31.4671%	31.9984%
Fund's pooled funds	510,964,369	278,806,775

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	5,626,663	_(2,566,794)

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	<u>Total</u>
	\$	\$	\$	\$
Once the state of the state of	20 004 004			22 024 204
Canadian short-term investments	32,931,291	9.5	3 .0	32,931,291
Other liquid assets	595,283	COLORES DESCRIPTION OF STREET	-	595,283
Bonds, debentures, and notes	-	673,866,659	. .1	673,866,659
Canadian equity securities	251,945,661	e	#1	251,945,661
Foreign equity securities	771,044,563	-	P X	771,044,563
Equity investments in real estate				
Canadian real estate	=	93,129,613	45	93,129,613
Foreign real estate	×	141,575,816	H X	141,575,816
Foreign infrastructure	112,999,407	Œ	34,754,819	147,754,226
Currency forwards	7	<u>5,626,663</u>		5,626,663
Totals	1,169,516,205	914,198,751	34,754,819	2,118,469,775
Accrual				1,156,593
Total financial assets at fair value				2,119,626,368
Fund's pro-rated share				31.4671%
Fund investments*				666,986,002

^{*}Rounded

Notes to Financial Statements June 30, 2016

3. Investments and Derivatives (continued...)

c) Fair Value Disclosure (continued...)

	2015			
	Level 1	Level 2	Level 3	<u>Total</u>
	\$	\$	\$	\$
Canadian short-term investments	31,731,899	1,798,206	F	33,530,105
Other liquid assets	11,983,357	i ≟	-	11,983,357
Bonds, debentures, and notes	S W =	488,759,523		488,759,523
Canadian equity securities	475,185,867	entra and the second se	=	475,185,867
Foreign equity securities	822,243,753	-	-	822,243,753
Equity investments in real estate				
Canadian real estate	2	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	1,426,143,337	661,185,932	24,975,976	2,112,305,245
Accrual				3,006,551
Total financial assets at fair value				2,115,311,796
Fund's pro-rated share				31.9984%
Fund investments*				676,866,802

^{*} 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.

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>	2015
	\$	\$
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	816,289	2,862,432
Total financial assets at fair value	34,754,819	24,975,976
Fund's pro-rated share	31.4671%	31.9984%
Level 3 investments, June 30*	10,936,351	7,991,923

^{*}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.

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.

	Value of Fixed Income <u>Securities</u> \$	Weighted Average <u>Duration</u> yrs	Percentage Point Change	Impact on Fair Value of the <u>Master Trust</u> \$	Fund's Pro-rated Share	Pro-rated Impact on Fair Value of the Fund \$
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.

	Value of Public <u>Equities</u>	Percentage Change	Impact on Fair Value of the <u>Master Trust</u>	Fund's Pro-rated <u>Share</u>	Pro-rated Impact on Fair Value of the Fund
	\$	%	\$	%	\$
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.

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 <u>(millions)</u>
\$	\$
116.5	188.8
229.4	81.1
335.5	227.7
681.4	497.6
31.4671%	31.9984%
214.4	159.2
212.9	220.9
427.3	380.1
	(millions) \$ 116.5 229.4 335.5 681.4 31.4671% 214.4 212.9

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:

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

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.

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 <u>(millions)</u> \$	2015 (millions) \$
Currency	× **	7.2
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.

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	118,644,900
Total accrued benefit obligation	\$880,397,200

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.

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	Basic increase of 2.75% per
	annum + promotional scale	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	0.90% per annum for 2016,	0.90% per annum for 2015 and
Indexation	2.25% per annum for 4 years,	2016, 2.25% per annum for 11
(includes deferred pensioners)	0% per annum thereafter	years, 0% per annum thereafter
Mortality	CPM2014Publ with future	CPM2014Publ with future
	improvements based on CPM	improvements based on CPM
	Scale B and adjustments of 1.0	Scale B and adjustments of 1.0
	for males and 0.95 for females	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	Males 2 years older than	Males 2 years older than
Spouses	female spouses	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:

\$764,678,894
120,295,904
\$884,974,798

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:

Principal Payments

(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:

Interest Payments

1 molpai i aymono			
Date of Payment	Principal Payment \$	April 1 \$	October 1 \$
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	8,036,900	<u>116,535</u>	
(4) 540	<u>80,369,000</u>	6,409,428	<u>6,409,428</u>

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.

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:

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

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.

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>	56,873
		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		2,453,472	<u>2,286,998</u>
<u>-</u>		3,501,179	<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*.

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.