

### PENSION RESERVES INVESTMENT TRUST FUND

(A Component Unit of the Commonwealth of Massachusetts)

#### **COMPREHENSIVE ANNUAL FINANCIAL REPORT**

For the Year Ended June 30, 2016

(With Basic Financial Statements for the Fiscal Years Ended June 30, 2016 and 2015)

#### **Prepared By**

**Pension Reserves Investment Management Board Staff** 

## **For More Information**

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# **Introductory Section**



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84 State Street, Second Floor Boston, Massachusetts 02109 Deborah B. Goldberg, Treasurer and Receiver General, Chair Michael G. Trotsky, CFA, Executive Director and Chief Investment Officer

December 6, 2016

To Chairman Goldberg, the Trustees of the Pension Reserves Investment Management Board (the PRIM Board), Committee members, Participants and Beneficiaries:

I am pleased to transmit the *Comprehensive Annual Financial Report* (CAFR) of the Massachusetts Pension Reserves Investment Trust Fund (the PRIT Fund) for the fiscal year ending June 30, 2016. The document that follows is the 12<sup>th</sup> consecutive CAFR produced in the 32-year existence of the PRIM Board as Trustee of the PRIT Fund. We hope that you will find the CAFR useful in understanding the performance and financial position of the PRIT Fund as of and for the fiscal year ended June 30, 2016.

The CAFR contains the basic financial statements presented in accordance with U.S. generally accepted accounting principles (GAAP) and the standards applicable to financial audits set forth by *Government Auditing Standards*. The CAFR and the basic financial statements are the responsibility of the PRIM Board. The fiscal year 2016 audit was conducted by KPMG LLP, a firm of licensed certified public accountants.

The CAFR is divided into four major sections:

**Introductory Section:** This section contains the letter of transmittal, the *Certificate of Achievement for Excellence in Financial Reporting* and outlines the PRIM Board's organizational structure.

**Financial Section:** This section contains the report of the independent auditors, Management's Discussion and Analysis (MD&A), the financial statements of the PRIT Fund, the notes to the financial statements and supporting schedules.

**Investment Section:** This section contains a summary of the PRIT Fund's investment strategy, investment policies, investment holdings and investment results and supporting tables and schedules.

Statistical Section: This section contains information regarding financial ratios of the PRIT Fund.

Within the financial section, the MD&A follows the independent auditors' report and provides an overview of the PRIT Fund's financial statements and financial results. The MD&A complements this letter of transmittal and should be read in conjunction with this letter. Responsibility for both the accuracy and completeness of the data and the contents of this report rests with the PRIM Board. The PRIM Board has implemented a system of internal controls designed to provide reasonable assurance that the financial statements are free from material misstatements, that all assets will be properly safeguarded and that transactions will be properly executed. The concept of reasonable assurance recognizes that the cost of a control should not exceed the benefits to be derived. The objective is to provide reasonable, rather than absolute, assurance that the financial statements are free of any material misstatements.

#### Profile of the PRIT Fund

The PRIT Fund is a pooled investment trust fund established to invest the assets of the Massachusetts State Teachers' and Employees' Retirement Systems, as well as the assets of county, authority, district and municipal retirement systems. The PRIT Fund was created by the Legislature in 1983 (Chapter 661 of the Acts of 1983) with a mandate to accumulate assets through investment earnings to reduce the Commonwealth's unfunded pension liability, and to assist local participating retirement systems in meeting future pension obligations. The PRIT Fund merged with the Massachusetts State Teachers' and Employees' Retirement Systems (MASTERS) Trust in 1997, in accordance with Chapter 315 of the Acts of 1996.

The Massachusetts State Teachers', State Employees' and State-Boston/Teachers' Retirement Systems, as well as the State Retiree Benefits Trust Fund, are mandated by statute to invest all of their assets in the PRIT Fund. Other retirement systems may voluntarily invest all or part of their assets in the PRIT Fund. Furthermore, Chapter 84 of the Acts of 1996 explicitly granted retirement boards the ability to invest only in individual asset classes of the PRIT Fund through a segmentation program. See Note 1 of the financial statements for more information on the profile and background of the PRIT Fund.

The most recent Public Employee Retirement Administration Commission (PERAC) valuation report, dated August 17, 2016, calculated the Commonwealth's unfunded actuarial pension liability at \$37.9 billion. The PERAC valuation report estimates that, as of January 1, 2016, the pension liability is 56.7% funded using a target date of 2036. It should be noted that the unfunded actuarial pension liability is calculated on a calendar year basis.

The PRIM Board seeks to maximize the return on the PRIT Fund investments within acceptable levels of risk by broadly diversifying its investment portfolio, capitalizing on economies of scale to achieve cost-effective operations and gaining access to high quality, innovative investment management firms. The PRIT Fund's Investment Policy Statement establishes investment objectives and policies designed to provide a framework for implementing investment strategy and oversight. A summary of the Investment Policy Statement is included in the Investment Section.

As of June 30, 2016, the PRIT Fund had approximately \$60.7 billion in net position compared to \$61.2 billion at the end of fiscal year 2015, which is a decrease of \$550.9 million in net position. The PRIM Board contracts with a custodian bank to safeguard investment holdings and to ensure the proper settlement and recording of investment and cash transactions.

#### Executive Director/ Chief Investment Officer Discussion

Fiscal year 2016 was a challenging year for the PRIM Board and most public pensions across the nation. Mixed economic data around the globe coupled with continued turbulence in Greece, China, Puerto Rico and the Middle East continued to fuel market volatility. A slowdown in China following the unexpected devaluation of its currency increased concerns about global growth. From the outset of fiscal year 2016, equity markets began a decline that would last until around mid-February 2016. Although U.S. and foreign equity markets plunged immediately following the "Brexit" vote on June 23, 2016, markets rebounded strongly. The PRIT Fund performed strongly during this turbulent fiscal year because of the asset allocation

changes made over the past five years. As a reminder, we have: (1) reduced our global equities allocation from 49 percent to its current target of 40 percent; (2) converted our core fixed income portfolio to include long duration Treasury STRIPS (Separate Trading of Registered Interest and Principal of Securities), an asset that typically is negatively correlated to equities; and (3) created and funded a new allocation, Portfolio Completion Strategies, to identify less volatile strategies with low correlation to equities. Given the volatility in the markets, these changes proved to be very well-timed. The PRIT Fund's 5% allocation to 20+ Year STRIPS was the top contributor to absolute performance, up 30.1% in fiscal year 2016. Private equity and real estate also were strong contributors, both up 12.2%. As the fiscal year ended, headlines continued to point to slow and steady, but unremarkable economic growth. The PRIT Fund returned 2.3% for the fiscal year, outperforming its policy benchmark by 84 basis points. The PRIT Fund's 2.3% return ranked it in the top 10% of all public plans greater than \$1 billion, according to the Wilshire Trust Universe Comparison Services (TUCS) rankings survey. The PRIT Fund also significantly outperformed a number of very highly-regarded public pension plans and endowments.

Organizationally, fiscal year 2016 was an outstanding year. No senior-level employees departed, and consistent with the Board-approved hiring plans, we were able to fill six staff vacancies with top talent. We are now nearly fully-staffed with exceptional investment and finance professionals and all of our job postings attract literally hundreds of talented and well-qualified applicants. Our team continues to be recognized around the nation for the success and innovation of our investment program and for the transparency and completeness of our financial reporting.

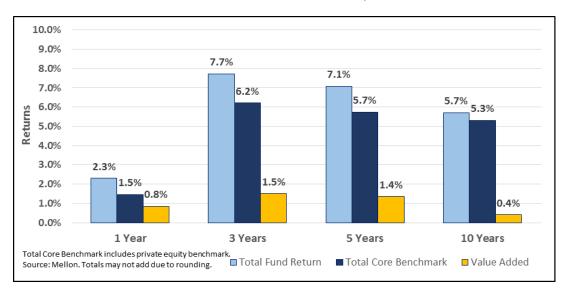
#### **PRIT Fund Performance**

As of June 30, 2016, the PRIT Fund net position stood at \$60.7 billion. The PRIT Fund's trailing 1-, 3-, 5- and 10-year returns remain strong both on an absolute and on a relative basis.

- For the year ending June 30, 2016, the PRIT Fund was up 2.3%, outperforming the total core benchmark of 1.5% by 84 basis points.
- The return equates to an investment gain of \$1.4 billion.
- The outperformance equates to added value of \$514 million above the benchmark return.
- Net total outflows to pay benefits for the fiscal year were approximately \$1.6 billion.
- Five of the seven major asset classes outperformed their benchmarks.
- The PRIT Fund ratio of total expenses was 53 basis points, flat with fiscal year 2015, and down from 55 basis points in fiscal year 2014.

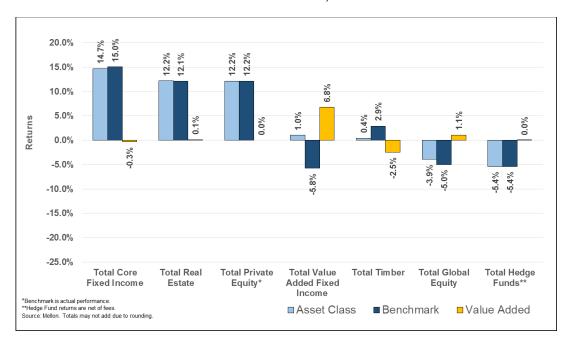
## PRIT Total Core Fund Returns (Gross of Fees)

Annualized Returns as of June 30, 2016



## PRIT Asset Class Performance (Gross of Fees)

Year Ended June 30, 2016



# PRIT Asset Class Performance (Gross of Fees) Annualized Return as of June 30, 2016

1 Year	3 Year	5 Year	10 Year	
CORE FIXED INCOME 14.7%	PRIVATE EQUITY 18.0%	PRIVATE EQUITY 15.9%	PRIVATE EQUITY 14.4%	
REAL ESTATE 12.2%	REAL ESTATE 12.6%	REAL ESTATE 12.1%	REAL ESTATE 7.5%	
PRIVATE EQUITY 12.2%	CORE FIXED INCOME 8.3%	CORE FIXED INCOME 6.5%	VALUE-ADDED FIXED INCOME 7.2%	
VALUE-ADDED FIXED INCOME 1.0%	TIMBER 7.2%	GLOBAL EQUITY 5.9%	TIMBER 6.8%	
TIMBER 0.4%	GLOBAL EQUITY 6.1%	TIMBER 5.2%	CORE FIXED INCOME 6.2%	
GLOBAL EQUITY (3.9%)	HEDGE FUNDS (NET OF FEES) 2.8%	VALUE-ADDED FIXED INCOME 3.9%	GLOBAL EQUITY 4.5%	
HEDGE FUNDS (NET OF FEES) (5.4%)	VALUE-ADDED FIXED INCOME 2.7%	HEDGE FUNDS (NET OF FEES) 3.7%	HEDGE FUNDS (NET OF FEES) 3.2%	

# PRIT Core Fund Performance Summary Gross of Fees Performance

Trailing 1-Year Performance as of June 30, 2016

			Over/(Under)		% of
Trailing 1-Year		Benchmark	Benchmark	\$Value	PRIT
Performance: June 30, 2016	Return	Return	(bps)	(millions)	Fund
Total PRIT Fund	2.3%	1.5%	84	\$ 60,599	100%
Total Global Equity	-3.9%	-5.0%	107	25,642	42.3%
Domestic Equity	1.6%	2.2%	(59)	11,360	18.7%
International Developed	-7.7%	-10.0%	227	10,018	16.5%
Emerging Markets	-9.5%	-12.1%	258	4,264	7.0%
Private Equity	12.2%	12.2%	0	6,707	11.1%
Real Estate	12.2%	12.1%	12	6,302	10.4%
Total Timberland	0.4%	2.9%	(246)	2,012	3.3%
Hedge Funds	-5.4%	-5.4%	1	5,192	8.6%
Value Added Fixed Income	1.0%	-5.8%	679	5,120	8.4%
Core Fixed Income	14.7%	15.0%	(34)	8,404	13.9%

<sup>\*</sup>Private Equity, a long-term asset class, does not have a relevant 1-year benchmark.

<sup>\*\*</sup>Total does not add to 100% due to small allocations such as Portfolio Completion Strategies not included in this chart.

#### **Summary of Fiscal Year 2016 Key Accomplishments**

#### A. Organizational

#### 1. Maintained low employee turnover

No senior level staff departed in fiscal year 2016

#### 2. Summary of recent recognition for the PRIM Board and its staff members

- Eric Nierenberg, Ph.D., Director of Hedge Funds & Low Volatility Strategies, was awarded Institutional Investor magazine's Large Public Fund of the Year Award. The award recognizes performance innovation, achievements and contributions to the industry in the past year (June 2016)
- Sarah N. Samuels, CFA, Deputy Chief Investment Officer, was awarded Banker & Tradesman's "Women of FIRE award." The award recognizes the most talented, the most ambitious and the most innovative women in key sectors of the economy (June 2016)
- Michael G. Trotsky, CFA, Executive Director and Chief Investment Officer, was awarded Chief Investment Officer Magazine's "CIO Innovation Award" (December 2015)
- Sarah N. Samuels, CFA, Deputy Chief Investment Officer, was awarded the Next Generation
   Award by Chief Investment Officer Magazine. This is a worldwide award that recognizes up and-coming asset owners who have made meaningful contributions to their organizations
   (December 2015)
- The Private Equity Growth Capital Council ranked PRIM's private equity program FIRST (#1) among 155 U.S. public pension plans
- Chris Supple, Deputy Executive Director and General Counsel, reappointed to a 3<sup>rd</sup> term as Co-Chair of the Securities Litigation Committee at the National Association of Public Pension Attorneys (NAPPA)
- Hedge Fund Intelligence named PRIM #2 on its InvestHedge 30-top performing U.S. public pension fund hedge fund programs based on performance (July 2015)

# 3. Encouraged professional and continuing education for all PRIM Board, committee, and staff members

- PRIM staff credentials: 2 Ph.D.'s, 8 Master's Degrees, One J.D., 8 CFAs, 6 CPAs and 19 CFA
   Claritas
- The Board, committee and staff members frequently participate in educational courses and conference

The PRIM Board hosted top industry managers and thought-leaders for informal "Brown Bag Luncheon Series". Speakers included: William Ackman (Pershing Square), Edward Ladd (BNY Mellon), Howard Marks (Oaktree) and Glenn Strehle (MIT Treasurer Emeritus and PRIM Investment Committee)

#### 4. Continued to implement the PRIM Professional Development Program

 Continued to support and develop cross-training and career development program, which allows high-performing employees to grow their expertise beyond their core responsibilities

#### 5. Continued diversity staffing initiatives

- Hired six summer interns, two of whom were participants in the "Women in Finance Fellowship" created by Treasurer Deborah B. Goldberg, and sponsored one intern from "Girls Who Invest," a non-profit on whose Advisory Board Deputy Chief Investment Officer Sarah N. Samuels, CFA sits
- Participated in the planning of the CFA Institute's Gender and Alpha Diversity Conference

#### 6. Held PRIM Investor Conference

- Held November 5, 2015 at the College of the Holy Cross, Worcester, MA
- Attendance was the highest in the PRIM Board's history, with more than 200 attendees representing member retirement boards from across the Commonwealth

#### 7. Creation of PRIM Investor Advisory Council

- The Council consists of representatives from participants in the PRIT Fund and the Fund's investment sleeves. Members will serve two-year terms
- The Council will provide our clients a forum to provide regular feedback, which I will regularly report back to the Board

# 8. Successfully completed the first phase of Project SAVE ("Strategic Analysis for Value Enhancement")

- Launched in January 2013, the project realized more than \$120 million in annual value enhancement initiatives
- Project SAVE is now firmly a part of the PRIM Board's culture and processes an integral and important part of every decision
- Project SAVE has been nationally recognized for its innovation and success

PROJECT SAVE	Annualized Value Target	Annualized Value Realized	% of Target Achieved
INITIAL PROGRAMS			
Hedge Fund-of-Funds Unwind	\$40 mm	\$38.2 mm	96%
Cash Overlay Program	\$20 mm	\$26.5 mm	133%
Public Markets Fee Negotiations	\$1.5 mm	\$1.9mm	129%
Private Equity Co-Investment	\$25 mm	\$0.6mm	2%
Hedge Fund Fee Negotiations	\$7 mm	\$33.7 mm	482%
Hedge Fund Replication	\$7 mm	\$14.8 mm	211%
Securities Litigation	\$0.7mm	\$0.6 mm	82%
INITIAL PROGRAMS TOTALS	\$101.2 mm	\$116.3 mm	115%
FOLLOW-ON PROGRAMS			
Real Estate direct- or co-investment	\$2 mm	\$0	
Securities Lending	\$15.2 mm	\$10.9 mm	
Private Equity Stock Distribution	\$0.3mm	\$0.1mm	
TOTAL PROJECT SAVE PROGRAMS		<u>\$127.3 mm</u>	

#### 9. Launched Project SAVE: Phase II "Exploration of Internal Investment Management"

- Creation of internal task force to explore feasibility of internal investment management at the PRIM Board, headed by Investment Committee Member Michael Even, CFA, President and CEO of Numeric Investors
- Potential benefits include: additional insight into markets, improved manager selection, improved manager monitoring, expanded ability to hire and retain superb employees and fee savings

#### B. Investments, Legal, Finance, Operations and Technology.

#### 1. Public Markets and Investment Research

 Completed investment research on foreign currency hedging, corporate credit, inflation and trigger point rebalancing

- Continued to build out internal asset allocation tools to inform investment decisions
- Strong portfolio performance: U.S. 20+ Year STRIPS absolute return of 30%
- Promoted the PRIM Board's shared goal of institutionalizing collaboration across asset class teams

#### 2. Private Equity

- Portfolio generated strong returns for the PRIT Fund in fiscal year 2016 and earned recognition for the number one 10-year performance in the nation
- Completed improvements to investment process for manager evaluation; created new analytical tools to aid in manager selection and monitoring
- Completed middle markets buyouts research and co-investment bench recommendations, adding 17 firms to the co-investment bench; completed two co-investments

#### 3. Hedge Funds and Portfolio Completion Strategies.

- Successfully negotiated all new hedge fund investments in managed account format with significant fee discounts
- Identified and funded six new hedge funds (\$925 million)
- Identified and funded two new Portfolio Completion Strategies (PCS) investments (\$450 million)
- Began research on factor-based asset allocation models
- Continued to identify new investment ideas for PCS bucket, including alternative risk premia, unconstrained fixed-income and real asset investing

#### 4. Real Estate and Timberland

- Completed non-core commitment of \$100 million
- Funded global REIT mandates (two funds, \$300 million total investment)
- Acquired timberland property in Washington (\$375 million)
- Completed sale of our largest property for a 19.3% IRR and 1.3X multiple; the PRIM Board's net gain on the sale was \$90 million; 26-month hold period

#### 5. Legal

Successfully implementing settlement proceeds allocation and distribution of the last of the
three recent securities litigation class action lawsuits in which the PRIM Board served as lead
plaintiff (Fannie Mae – \$170 million settlement); the court granted approval of the settlement
in 2015, claims-filing process was completed in early 2016 and plan allocation expected to be
approved by the court in Q4 2016, with distribution to follow

- Passive class member domestic securities class action litigation: continue to improve the PRIM Board's litigation claims and monitoring systems, and continue to ensure that no opportunities are missed and maximum recovery and participation in settlements is achieved
- Adopted new and innovative claims-filing method initially projected to result in a 10% increase annually in the PRIM Board passive class member securities litigation settlement recoveries; new system is on pace to exceed substantially its target revenue increase
- Offensive litigation: prepared to file litigation, negotiated settlement, and/or filed litigation, including foreign securities litigation, in Australia, Belgium, France, Italy, Japan, the Netherlands, the United Kingdom, the federal court of claims in Washington D.C. and the federal district court in Texas; successfully settled cases in Japan and Belgium

#### 6. Client Services

- Director of Client Services conducted 75 presentations with the PRIM Board and the State Retiree Benefits Trust Fund (SRBTF) clients
- On-boarded 13 new government entities, with assets totaling \$63.9 million, to the SRBTF
- Issued GASB 67 and 68 disclosure information to clients in a timely fashion

#### 7. Finance, Operations and Technology

- Enhanced the PRIM Board budget process
- Implemented new proxy voting guidelines
- Performed and communicated scenario analysis of the "Brexit" event
- Established strategies to increase the diversity of candidates when filling open positions
- Completed multiple audits conducted by KPMG and PERAC

#### **Acknowledgements**

I would like to thank the Board members who left the PRIM Board in fiscal year 2016: Dana Pullman, Anthony Hubbard and Michael Heffernan. I am grateful to them for their service to our beneficiaries and the taxpayers of Massachusetts. I am pleased to report that Treasurer Goldberg asked Anthony Hubbard to remain on the Real Estate and Timberland Committee, and he has agreed to continue as a member. We also welcomed three new Board members and two new Committee members: James B. G. Hearty, Peter Monaco, Carly Rose, Lydia Chesnick, and Robert Gifford.

Our success could not be achieved without the continued support of our Board and its Chair, Treasurer Goldberg. It is a pleasure working alongside her and her staff and I hope to continue that relationship long into the future.

The PRIM Board's accomplishments are not the result of any one individual. They are the collective effort of one of the finest teams in the country. The culture we have created at the PRIM Board, with the Board's

encouragement and support, has attracted some of the most talented individuals in the industry, on both the investment and financial operations sides. I am proud to head such a talented staff and to serve with such engaged and dedicated Board and Committee members.

Very respectfully,

Michael G. Trotsky, CFA

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**Executive Director and Chief Investment Officer** 



Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Pension Reserves Investment Trust Fund, Massachusetts

> For its Comprehensive Annual Financial Report for the Fiscal Year Ended

> > June 30, 2015

Executive Director/CEO

#### **Certificate of Achievement for Excellence in Financial Reporting**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the PRIM Board for its comprehensive annual financial report for the fiscal year ended June 30, 2015. This was the 11<sup>th</sup> consecutive year that the PRIM Board has achieved this prestigious award. In order to be awarded a Certificate of Achievement, an entity must publish an easily readable and efficiently organized comprehensive annual financial report. This report must satisfy both U.S. generally accepted accounting principles and applicable legal requirements.

A Certificate of Achievement is valid for a period of one year only. We believe that our current comprehensive annual financial report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

## **PRIM Board Trustees**

Deborah B. Goldberg, Chair, Ex Officio Member

State Treasurer & Receiver General, Commonwealth of Massachusetts

Robert L. Brousseau, Elected Representative, State Teachers Retirement System

Retired Teacher, Town of Wareham Public School System

Ruth Ellen Fitch, Appointee of the State Treasurer

Retired President and CEO, The Dimock Center

James B. G. Hearty, Designee of the Governor

Partner, Clough Capital

Theresa F. McGoldrick, Esq., Elected Member, State Employees' Retirement Board

President, SEIU/NAGE Unit 6

Peter Monaco, Appointee of the Governor

Managing Director, Raptor Group Holdings

Dennis J. Naughton, Elected Member, State Teachers' Retirement Board

Retired Educator, Millis Public Schools

Carly Rose, Appointee of the Governor

**Public Safety Union Member** 

Paul E. Shanley, Elected Representative, State Employees' Retirement System

Director of Professional Liability, Amity Insurance, Quincy, MA

## **Advisory Committees to the PRIM Board**

**Investment Committee** 

Deborah B. Goldberg, Chair

Ex Officio Board Member

Joseph C. Bonfiglio

Massachusetts & Northern New England Laborers' District Council

C. LaRoy Brantley

Investment Consultant, Cambridge Associates, LLC

Michael Even, CFA

President and CEO, Numeric Investors

Constance M. Everson, CFA

Managing Director, Capital Markets Outlook Group

**Ruth Ellen Fitch** 

**Board Member** 

James B. G. Hearty

**Board Member** 

Edward W. Kane

Senior Advisor, HarbourVest Partners, LLC

Peter Monaco

**Board Member** 

Paul E. Shanley

**Board Member** 

Glenn P. Strehle, CFA

Treasurer Emeritus, MIT

Timothy L. Vaill

Former Chairman & CEO, Boston Private Financial Current CFO, Anbaric Energy

Real Estate Committee

Jill S. Hatton, CRE, Chair

Real Estate Investment Professional

Deborah B. Goldberg

Ex Officio Board Member

Lydia Chesnick, Esq.

Partner, Bernkopf Goodman LLP

**Robert Gifford** 

Robert Gifford Advisory

Anthony E. Hubbard, Esq.

Mintz Levin

Dr. Jack Lutz, PhD.

Forest Research Group

William F. McCall, Jr., CRE

McCall & Almy, Inc.

Garlan Morse, Jr., CRE

Morris and Morse Company, Inc.

Peter F. O'Connell

Marina Bay Company

## Advisory Committees to the PRIM Board, continued

#### **Administration and Audit Committee**

Robert L. Brousseau, Chair

**Board Member** 

**Deborah B. Goldberg** 

Ex Officio Board Member

Ted C. Alexiades, CPFO

Hingham Town Administrator

Patrick E. Brock

Chairman, Hampshire County Retirement Board

**Joseph Connolly** 

Norfolk County Treasurer

Karen E. Gershman, CPA

Chief Operating Officer, Health Advances

**Eileen Glovsky** 

Consultant, Syncom Consulting

James B. G. Hearty

**Board Member** 

Theresa F. McGoldrick, Esq.

**Board Member** 

Dennis J. Naughton

**Board Member** 

Michele A. Whitham, Esq.

Founder & Principal, Whitham Law LLC

#### **Compensation Committee**

Michele A. Whitham, Esq., Chair

Founder & Principal, Whitham Law LLC

Deborah B. Goldberg

Ex Officio Board Member

Robert L. Brousseau

**Board Member** 

Patrick E. Brock

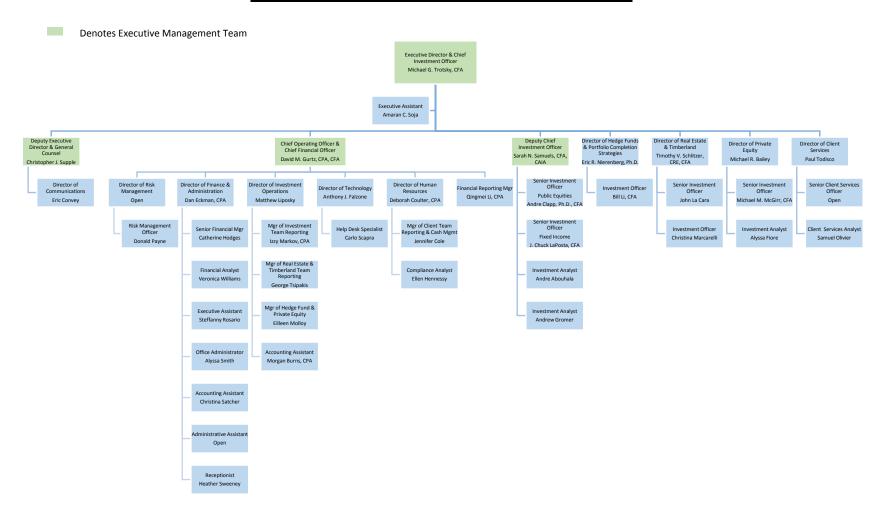
Chairman, Hampshire County Retirement Board

**Joseph Connolly** 

Norfolk County Treasurer

PENSION RESERVES INVESTMENT TRUST FUND Introductory Section

## **PRIM Board Staff Organizational Chart**



## **PRIM Board Investment Advisors**

#### **Callan Associates**

**Public Market Advisory Services** 

#### Aberdeen Asset Management Inc.

**Hedge Funds Advisory Services** 

#### **Hamilton Lane**

**Private Equity Advisory Services** 

#### NEPC, LLC

**Asset Allocation Advisory Services** 

#### **The Townsend Group**

Real Estate and Timberland Advisory Services

## Financial Section



#### KPMG LLP

Two Financial Center 60 South Street Boston, MA 02111

#### **Independent Auditors' Report**

The Administration and Audit Committee and Trustees,
Pension Reserves Investment Management Board and
Participating and Purchasing Systems of the Pension Reserves Investment Trust Fund:

#### **Report on the Financial Statements**

We have audited the accompanying financial statements of the Pension Reserves Investment Trust Fund (the PRIT Fund), a component unit of the Commonwealth of Massachusetts, as of and for the years ended June 30, 2016 and 2015, and the related notes to the financial statements, which collectively comprise the PRIT Fund's basic financial statements as listed in the table of contents.

#### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

#### Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audits to obtain reasonable assurance about 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. Accordingly, we express no such opinion. 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 presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



#### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the pooled net position of the Pension Reserves Investment Trust Fund as of June 30, 2016 and 2015, and the changes in its pooled net position for the years then ended in accordance with U.S. generally accepted accounting principles.

#### **Other Matters**

#### Required Supplementary Information

U.S. generally accepted accounting principles require that the management's discussion and analysis on pages 23-27 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

#### Other Supplementary Information

Our audit was conducted for the purpose of forming an opinion on the PRIT Fund's basic financial statements. The Schedule of Pooled Net Position – Capital Fund and Cash Fund and Schedule of Changes in Pooled Net Position – Capital Fund and Cash Fund (collectively, the Schedules) are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Schedules are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

#### Other Information

The Introductory, Investment and Statistical Sections have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.



#### Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 13, 2016 on our consideration of the PRIT Fund's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the PRIT Fund's internal control over financial reporting and compliance.



October 13, 2016

June 30, 2016 and 2015 (Unaudited)

This section presents management's discussion and analysis of the Pension Reserves Investment Trust Fund's (the PRIT Fund's) financial performance for the fiscal years ended June 30, 2016 and 2015 and should be read in conjunction with the financial statements, which follow this section.

The PRIT Fund is a pooled investment fund, created in 1983 through Massachusetts legislation, that invests the assets of the State Teachers' and State Employees' Retirement Systems and the assets of county, authority, school district, and municipal retirement systems that choose to invest in the PRIT Fund, as well as the assets of the State Retiree Benefits Trust (SRBT) Fund.

The investment return percentages reported in management's discussion and analysis are presented gross of management fees.

#### **Overview of the Financial Statements**

The financial statements include the statements of pooled net position and the statements of changes in pooled net position. They present the financial position of the PRIT Fund as of June 30, 2016 and 2015 and its financial activities for the years then ended. The notes to the financial statements provide further information that is essential to a full understanding of the financial statements. The notes describe the significant accounting policies of the PRIT Fund and provide detailed disclosures on certain account balances. The supplementary schedules of pooled net position and changes in pooled net position on pages 63 and 64 separately display the balances and activities of the Capital Fund and Cash Fund of the PRIT Fund.

The financial statements of the PRIT Fund are reported using the economic resources measurement focus and the accrual basis of accounting. They are prepared in conformity with U.S. generally accepted accounting principles, as promulgated by the Governmental Accounting Standards Board (GASB).

In fiscal year 2016, the PRIT Fund retrospectively adopted GASB Statement No. 72, *Fair Value Measurement and Application* (GASB 72), which is effective for governmental entities with fiscal periods beginning after June 15, 2015. Although the adoption did not materially change the way in which the PRIT Fund's assets and liabilities are measured, it did result in enhanced disclosures, which have also been applied to the comparable 2015 financial information.

June 30, 2016 and 2015 (Unaudited)

#### **Financial Highlights**

#### Fiscal Year 2016

- The net position of the PRIT Fund decreased \$550.9 million during the year ended June 30, 2016. Total net position was \$60.7 billion at June 30, 2016, compared to \$61.2 billion at June 30, 2015.
- Net investment income for fiscal year 2016 was \$1.1 billion, compared to net investment income of \$2.1 billion for the prior fiscal year. The PRIT Fund returned 2.29% in fiscal year 2016, compared to 3.86% in fiscal year 2015.
- Contributions to the PRIT Fund totaled \$2.4 billion during fiscal year 2016, compared to \$2.2 billion in 2015.
- Redemptions from the PRIT Fund totaled \$4.0 billion during the year ended June 30, 2016, compared to \$3.7 billion during the year ended June 30, 2015.

#### Fiscal Year 2015

- The net position of the PRIT Fund increased \$567.0 million during the year ended June 30, 2015. Total net position was \$61.2 billion at June 30, 2015, compared to \$60.7 billion at June 30, 2014.
- Net investment income for fiscal year 2015 was \$2.1 billion, compared to net investment income of \$9.0 billion for the prior fiscal year. The PRIT Fund returned 3.86% in fiscal year 2015, compared to 17.53% in fiscal year 2014.
- Contributions to the PRIT Fund totaled \$2.2 billion during fiscal year 2015, compared to \$2.1 billion in 2014.
- Redemptions from the PRIT Fund totaled \$3.7 billion during the year ended June 30, 2015, compared to \$3.6 billion during the year ended June 30, 2014.

June 30, 2016 and 2015 (Unaudited)

#### **Condensed Financial Information**

Summary balances and activities of the PRIT Fund as of and for the years ended June 30, 2016, 2015, and 2014 are presented below:

		June 30		
		2016	2015	2014
			(Dollars in thousands)	
Summary of pooled net position:				
Assets: Investments	\$	63,387,573	63,019,272	62,501,717
Cash	Ψ	221,028	282,624	189,947
Securities lending collateral		622,640	557,158	· <del>-</del>
Receivables and other assets		624,478	1,658,706	1,045,399
Total assets		64,855,719	65,517,760	63,737,063
Liabilities:				
Other liabilities		3,511,540	3,677,057	3,035,697
Securities lending obligations		622,487	557,135	_
Management fees payable to PRIM		28,887	39,823	24,592
Total liabilities		4,162,914	4,274,015	3,060,289
Net position held in trust for				
pool participants	\$	60,692,805	61,243,745	60,676,774
			June 30	
		2016	2015	2014
		2016		2014
Summary of changes in pooled net position:	_	2016	2015	2014
Additions:	Ċ		(Dollars in thousands)	-
Additions: Contributions	\$	2,402,074	2015 (Dollars in thousands) 2,178,927	2,050,248
Additions: Contributions Net investment income	\$	2,402,074 1,091,671	2015 (Dollars in thousands) 2,178,927 2,073,376	2,050,248 8,991,375
Additions: Contributions Net investment income Total additions	\$	2,402,074	2015 (Dollars in thousands) 2,178,927	2,050,248
Additions: Contributions Net investment income	\$	2,402,074 1,091,671	2015 (Dollars in thousands) 2,178,927 2,073,376	2,050,248 8,991,375
Additions:     Contributions     Net investment income     Total additions  Deductions:	\$	2,402,074 1,091,671 3,493,745	2015 (Dollars in thousands)  2,178,927 2,073,376 4,252,303	2,050,248 8,991,375 11,041,623
Additions:     Contributions     Net investment income     Total additions  Deductions:     Redemptions  Change in pooled net position	\$	2,402,074 1,091,671 3,493,745 4,044,685	2015 (Dollars in thousands)  2,178,927 2,073,376  4,252,303  3,685,332	2,050,248 8,991,375 11,041,623 3,594,474
Additions:     Contributions     Net investment income     Total additions  Deductions:     Redemptions	\$	2,402,074 1,091,671 3,493,745 4,044,685	2015 (Dollars in thousands)  2,178,927 2,073,376  4,252,303  3,685,332	2,050,248 8,991,375 11,041,623 3,594,474

June 30, 2016 and 2015 (Unaudited)

#### The PRIT Fund Performance during the year ended June 30, 2016

The PRIT Fund began fiscal year 2016 with net position of \$61.2 billion and ended the fiscal year with a net position of \$60.7 billion, representing a 0.90% decrease. Net investment income for the year ended June 30, 2016 was \$1.1 billion, which when added to net participant redemptions (contributions less redemptions) of \$1.6 billion, resulted in an overall decrease in net position of \$550.9 million.

For the year ended June 30, 2016, the PRIT Fund returned 2.29%, exceeding its benchmark of 1.46% by 83 basis points. The benchmark provides a measure of how well the PRIT Fund has implemented its asset allocation plan. It assumes that the PRIT Fund's actual allocation is identical to its target allocation and that all asset classes achieve index like returns.

The asset classes of the PRIT Fund and related investment returns for the year ended June 30, 2016 are as follows: Global Equity -3.93%; Core Fixed Income 14.69%; Value Added Fixed Income 1.04%; Private Equity 12.15%; Real Estate 12.21%; Timberland 0.44%; Hedge Funds -5.37%; Portfolio Completion Strategies 8.70%; and Overlay 1.73%.

The PRIT Fund outperformed its benchmark for the fiscal year ended June 30, 2016 and has returned an average of 9.38% annually since January 1, 1985. According to the Trust Universe Comparison Service (TUCS) for Public Pension Funds, the most widely accepted benchmark for the performance of institutional assets, the PRIT Fund ranked in the top quartile of public pension plans with net position in excess of \$1 billion over the three year period ended June 30, 2016.

#### The PRIT Fund Performance during the year ended June 30, 2015

The PRIT Fund began fiscal year 2015 with net position of \$60.7 billion and ended the fiscal year with a net position of \$61.2 billion, representing a 0.93% increase. Net investment income for the year ended June 30, 2015 was \$2.1 billion, which when added to net participant redemptions (contributions less redemptions) of \$1.5 billion, resulted in an overall increase in net position of \$567.0 million.

For the year ended June 30, 2015, the PRIT Fund returned 3.86%, exceeding its benchmark of 2.74% by 112 basis points. The benchmark provides a measure of how well the PRIT Fund has implemented its asset allocation plan. It assumes that the PRIT Fund's actual allocation is identical to its target allocation and that all asset classes achieve index like returns.

The asset classes of the PRIT Fund and related investment returns for the year ended June 30, 2015 are as follows: Global Equity 0.88%; Core Fixed Income 4.68%; Value Added Fixed Income -2.60%; Private Equity 15.57%; Real

Required Supplementary Information – Management's Discussion and Analysis

June 30, 2016 and 2015

(Unaudited)

Estate 11.99%; Timber/Natural Resources -1.35%; Hedge Funds 3.68%; Portfolio Completion Strategies -5.09%; and Overlay 2.09%.

#### **Other Information**

This financial report is designed to provide a general overview of the PRIT Fund's financial results. Additional information can be found on the PRIM Board's website at <a href="https://www.mapension.com">www.mapension.com</a>. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Pension Reserves Investment Management Board, 84 State Street, Boston, Massachusetts 02109.

# Statements of Pooled Net Position June 30, 2016 and 2015 (Dollars in thousands)

		2016	2015
Assets:			
Investments, at fair value:			
Short-term	\$	1,204,170	1,733,529
Fixed income		14,046,001	14,389,277
Equity		24,907,679	24,642,955
Timberland		2,003,805	1,664,581
Private equity funds		6,661,690	6,980,423
Real estate:			
Real estate properties		6,021,497	6,292,315
Equity		1,484,402	1,157,438
Real estate funds		208,110	178,364
Other		45,066	56,218
		7,759,075	7,684,335
Hedge funds:		7,700,070	7,00 1,000
Investment funds		3,664,988	4,866,593
Equity		1,078,035	533,459
Cash and cash equivalents		618,269	354,884
Fixed income		563,834	8,016
Other		130,825	63,175
Other		6,055,951	5,826,127
Portfolio completion strategies:		0,000,001	3,020,127
Cash and cash equivalents		221,703	97,011
Investment funds		221,575	
Equity		170,824	_
Other		115,499	1,034
Fixed income		19,601	
TACC IIICOTTC		749,202	98,045
Total investments		63,387,573	63,019,272
Cash		221,028	282,624
		622,640	557,158
Securities lending collateral Interest and dividends receivable		164,874	139,679
Receivable for investments sold and other assets		104,874	•
		•	1,281,902
Securities sold on a when-issued basis		295,967	223,685
Foreign currency forward contracts		62,409	13,440
Total assets		64,855,719	65,517,760
Liabilities:			
Payable for investments purchased and other liabilities		170,744	1,010,502
Real estate debt and other liabilities		1,450,193	1,517,304
Securities lending obligations		622,487	557,135
Securities purchased on a when-issued basis		755,796	648,945
Foreign currency forward contracts		36,752	25,810
Management fees payable to PRIM		28,887	39,823
Hedge funds liabilities:			
Securities sold short, at fair value		972,953	407,664
Other		125,102	66,832
		1,098,055	474,496
Total liabilities	-	4,162,914	4,274,015
Net position held in trust for pool participants	\$	60,692,805	61,243,745
Net position held in trust for poor participants	· ====	00,032,003	01,243,743

See accompanying notes to financial statements.

# Statements of Changes in Pooled Net Position Years ended June 30, 2016 and 2015 (Dollars in thousands)

		2016	2015
Additions:			
Contributions:			
State employees	\$	727,147	580,527
State teachers	·	752,835	721,148
Other participants		922,092	877,252
Total contributions		2,402,074	2,178,927
Net investment income:			, -,-
From investment activities:			
Net realized gain on investments and foreign currency			
transactions		1,420,910	2,527,856
Net change in unrealized depreciation on investments			
and foreign currency translations		(1,668,459)	(1,699,446)
Interest income		288,535	270,131
Dividend income		688,955	650,996
Timberland income		684	11,854
Private equity income		147,228	151,001
Hedge funds income (loss)		12,136	(4,438)
Portfolio completion strategies income (loss)		3,537	(241)
Real estate:			
Income		523,069	494,285
Expenses		(224,147)	(212,767)
		298,922	281,518
Income from investment activities		1,192,448	2,189,231
Investment management and other management fees		(112,129)	(120,781)
Net income from investment activities		1,080,319	2,068,450
From securities lending activities:			
Securities lending income		12,927	5,624
Securities lending expenses		(1,575)	(698)
Net income from securities lending activities		11,352	4,926
Total net investment income		1,091,671	2,073,376
Total additions		3,493,745	4,252,303
Deductions:			
Redemptions:			
State employees		1,452,096	1,266,799
State teachers		1,667,879	1,650,026
Other participants		924,710	768,507
Total deductions		4,044,685	3,685,332
Net (decrease) increase in pooled net position		(550,940)	566,971
Net position held in trust for pool participants:			
Balance, beginning of year		61,243,745	60,676,774
Balance, end of year	\$	60,692,805	61,243,745

See accompanying notes to financial statements.

Notes to Financial Statements

June 30, 2016 and 2015

(Dollars in thousands)

#### (1) Description of the Pension Reserves Investment Trust Fund

#### (a) General

The Pension Reserves Investment Trust Fund (the PRIT Fund), a component unit of the Commonwealth of Massachusetts, was created in 1983 under Chapter 661 of the Acts of 1983, as amended by Chapter 315 of the Acts of 1996. The PRIT Fund is a pooled investment fund that invests the assets of the State Teachers' and State Employees' Retirement Systems of Massachusetts and the assets of county, authority, school district, and municipal retirement systems that choose to invest in the PRIT Fund, as well as the assets of the State Retiree Benefits Trust (SRBT) Fund. The PRIT Fund is not registered with the Securities and Exchange Commission, but is subject to oversight provided by the Pension Reserves Investment Management Board (the PRIM Board). The PRIM Board was created by legislation to provide general supervision of the investments and management of the PRIT Fund. The PRIM Board is a separate legal entity that issues its own financial statements, which are not included in the accompanying financial statements of the PRIT Fund.

A nine-member Board of Trustees governs the PRIM Board. The Trustees include: (1) the Governor, ex officio, or his designee; (2) the State Treasurer, ex officio, or his designee who shall serve as Chair of the PRIM Board; (3) a private citizen experienced in the field of financial management appointed by the State Treasurer; (4) an employee or retiree who is a member of the State Teachers' Retirement System, elected by the members of such system for a term of three years; (5) an employee or retiree who is a member of the State Employees' Retirement System, elected by the members of such system for a term of three years; (6) the elected member of the State Retirement Board; (7) one of the elected members of the Teachers' Retirement Board chosen by the members of the Teachers' Retirement Board chosen by the members of the Teachers' Retirement Board; (8) a person who is not an employee or official of the Commonwealth appointed by the Governor; and (9) a representative of a public safety union appointed by the Governor. Appointed members serve for a term of four years. The Board of Trustees has the authority to employ an Executive Director, outside investment managers, custodians, consultants, and others as it deems necessary; to formulate policies and procedures; and to take such other actions as necessary and appropriate to manage the assets of the PRIT Fund.

The PRIM Board seeks to manage the PRIT Fund to ensure that pension assets are well invested so that current and future benefit obligations are adequately funded in a cost-effective manner. The PRIM Board therefore seeks to maximize the total return on investment within acceptable levels of risk and cost for an approximately 60% funded public pension fund. Under current law, by the year 2040, the PRIT Fund will have grown, through annual payments in accordance with a legislatively approved funding schedule and through total return of the PRIT Fund, to an amount sufficient to meet the then-existing pension obligations of the Commonwealth. The Commonwealth has adopted

a schedule of state pension appropriations that assumes a long-term actuarial rate of return for the PRIT Fund of 7.5%.

The State Teachers' and State Employees' Retirement Systems and the SRBT Fund are mandated by statute to invest all of their assets in the PRIT Fund and are, therefore, considered involuntary participants. The assets of the State-Boston Retirement System attributable to teachers who are members of that system are also mandated to be held in the PRIT Fund. Other retirement systems have the option to become Participating or Purchasing System participants in the PRIT Fund. Participating Systems must transfer all of their assets to the PRIT Fund, commit to remain invested for five years, and are entitled to share in appropriations made to the PRIT Fund by the Commonwealth in accordance with Massachusetts General Laws, Chapter 32, Section 22B. The Commonwealth has made no such appropriation to the PRIT Fund on behalf of Participating Systems since fiscal year 2000.

Purchasing Systems may invest all or a portion of their assets in the PRIT Fund and retain the ability to contribute and withdraw funds at their discretion; however, they are not entitled to state appropriations. Participating and Purchasing Systems share in the investment earnings of the PRIT Fund based on their proportionate share of net position. As of June 30, 2016, there were 39 Participating Systems and 56 Purchasing Systems invested in the PRIT Fund.

#### (b) Investment Funds

The PRIT Fund consists of two investment funds, the Capital Fund and the Cash Fund. Each of these funds is managed, accounted for, and held separately by the PRIT Fund's custodian.

The Cash Fund consists of short-term investments, which are used to meet the liquidity requirements of Participating and Purchasing Systems. All Cash Fund earnings are reinvested. The State Teachers' Retirement System and the State Employees' Retirement System make daily deposits into the Cash Fund, which is their source of funds for benefit payments and operating expenses. The Cash Fund maintains a stable net position value of \$1.00 per unit.

Assets contributed by retirement systems are initially deposited in the Cash Fund and then transferred to the Capital Fund. Funds transferred into the Capital Fund are generally invested in the General Allocation Account, which invests in all asset classes of the PRIT Fund in accordance with the PRIM Board's asset allocation plan and investment policy guidelines. The Capital Fund serves as the investment portfolio of the PRIT Fund and consists of the following accounts at June 30, 2016: General Allocation (holds units of all other accounts), Domestic Equity, International Equity, Emerging Markets Equity, Core Fixed Income, Value-Added Fixed Income, Real Estate, Timberland, Hedge Funds, Distressed Debt, Overlay, Portfolio Completion Strategies, Liquidating Portfolios, Private (Continued)

Equity Investments, and Private Equity Investments Vintage Years 2000-2016. Vintage Year refers to the fiscal year in which the PRIT Fund made a commitment to invest in a private equity investment.

The Capital Fund consists of the following accounts at June 30, 2015: General Allocation (holds units of all other accounts), Domestic Equity, International Equity, Emerging Markets Equity, Core Fixed Income, Value-Added Fixed Income, Real Estate, Timber/Natural Resources, Hedge Funds, Distressed Debt, Overlay, Portfolio Completion Strategies, Private Equity Investments, and Private Equity Investments Vintage Years 2000-2015.

Upon deposit by a Participating or Purchasing System into the accounts of the Capital Fund, units of participation equal to the total value of the contribution are issued. The value of a unit of each account is determined monthly by dividing the value of the net position of the account by the number of units outstanding at each month-end valuation date. The unit price fluctuates with the performance of the Capital Fund. The number of units generally changes only when a retirement system makes a contribution or redemption.

Chapter 84 of the Acts of 1996 permits Massachusetts retirement boards to purchase units in the individual investment accounts of the PRIT Fund as an alternative to investing in its General Allocation Account. This investment option, also referred to as "segmentation," was established by an amendment to the PRIM Board's Operating Trust Agreement in 1994 in response to requests from retirement boards wishing to invest in certain asset classes of the PRIT Fund. Purchasing Systems, as "segmented investors," may invest in one or more of the following accounts of the Capital Fund: Domestic Equity, International Equity, Emerging Markets, Core Fixed Income, Public Value Added Fixed Income, Real Estate, Hedge Funds, and Private Equity Vintage Year accounts. At June 30, 2016 and 2015, there were 41 and 39 segmented investors, respectively, in the PRIT Fund. The remaining Purchasing Systems invested in the General Allocation Account.

### (2) Summary of Significant Accounting Policies

### (a) Basis of Accounting and Financial Statement Presentation

The financial statements of the PRIT Fund are reported using the economic resources measurement focus and the accrual basis of accounting. They are prepared in conformity with U.S. generally accepted accounting principles, which require management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities, at the dates of the financial statements and the reported amounts of additions and deductions during the reporting periods. Actual results could differ from those estimates.

The PRIT Fund follows Governmental Accounting Standards Board (GASB) guidance as applicable to external investment pools.

The PRIT Fund consolidates assets and liabilities of its single-member limited liability corporations.

As described further in (b) below and in Note 3, in fiscal year 2016 the PRIT Fund retrospectively adopted GASB Statement No. 72, Fair Value Measurement and Application (GASB 72), which is effective for governmental entities with fiscal periods beginning after June 15, 2015. Although the adoption did not materially change the way in which the PRIT Fund's assets and liabilities are measured, it did result in enhanced disclosures, which have also been applied to the comparable 2015 financial information.

In addition, certain amounts have been reclassified in the 2015 financial statements to conform to the 2016 presentation.

### (b) Investments

The PRIM Board recognizes that over the long term, asset allocation is the single greatest contributor of return and risk to the PRIT Fund. The PRIM Board's asset allocation plan embodies its decisions to invest portions of the Capital Fund in global equity securities, core fixed income securities, value-added fixed income, real estate, timberland, hedge funds, private equity, portfolio completion strategies and, where appropriate, the various sub asset classes of each asset class. Statutes prohibit the PRIT Fund from investing in certain securities. The PRIM Board ensures that investment managers adhere to the requirements of Massachusetts General Laws.

Security transactions are recorded on the date the securities are purchased or sold. The cost of a security is the purchase price or, in the case of assets transferred to the PRIT Fund by a Participating or Purchasing System, the fair value of the securities on the transfer date. The calculation of realized gains (losses) is independent of the calculation of the net change in unrealized appreciation (depreciation) on investments. Realized gains and losses on investments sold in the current year include previously recorded unrealized amounts and are included in net realized gain on investments in the accompanying statements of changes in pooled net position.

The PRIM Board values investments in fixed income, money market, other short-term investments, and U.S. government agency obligations using independent pricing services. In determining the price, the services may reflect such factors as market prices, yields, maturities, and ratings, supplemented by dealer quotations. Investments in equity securities, including exchange-traded funds, traded on national securities exchanges are valued at the last daily sale price or, if no sale price is available, at the closing bid price. Securities traded on any other exchange are valued in the same manner or, if

not so traded, on the basis of closing over-the-counter (OTC) bid prices. If no bid price exists, valuation is determined by the custodian bank either by establishing the mean between the most recent published bid and asked prices or averaging quotations obtained from dealers, brokers, or investment bankers. Securities for which such valuations are unavailable are reported at their fair value as estimated in good faith by the PRIM Board based on information provided by the investment managers responsible for such investments. Fair values for investments in pooled investment vehicles (commingled funds), such as mutual and similar funds with a readily determinable fair value, are based on the commingled fund's published net asset value (NAV) which are valued based on the underlying marketable securities or in the absence of readily ascertainable market values, the price of identical or similar securities.

The PRIT Fund invests a portion of its assets in emerging capital markets. These investments may involve greater risks than investments in more developed markets, and the prices of such investments may be volatile. The consequences of political, social, or economic changes in these markets may have disruptive effects on the market prices of these investments and the income they generate, as well as the PRIT Fund's ability to repatriate such amounts.

As described further below, certain qualifying investments may be measured using NAV as a practical expedient to estimate fair value unless as of the measurement date it is probable that the PRIT Fund's interest will be sold at an amount different than NAV. As of June 30, 2016 and 2015, the PRIT Fund had no plans or intentions to sell such investments at amounts other than NAV.

Investments in real estate represent the PRIT Fund's ownership interest in PRIT Core Realty Holdings LLC (the LLC). On October 19, 2001, the LLC was formed and was governed by an operating agreement entered into by the PRIM Board, as trustee of the PRIT Fund, as the sole member. The principal purpose of the LLC is to conduct the investment activities of the real estate program in a manner consistent with the PRIT Fund Declaration of Trust and any business or activities incidental to or in support of such investment activities.

The LLC holds investments in real estate properties, real estate fund investments, and Real Estate Investment Trust (REIT) securities. Investments in real estate properties are stated at fair value based on appraisals prepared by independent real estate appraisers or on estimated valuations determined by the PRIM Board assuming highest and best use of the assets. These estimated valuations are based on valuations prepared by the real estate investment managers under the general supervision of the PRIM Board. Generally, third-party appraisals are performed on each real estate property within 18 months of the date of acquisition and at least annually thereafter. Determination of fair value involves judgment because the actual fair value of a real estate investment can be determined only by negotiation between parties in a sales transaction. Due to the inherent uncertainty of valuation,

fair values used may differ significantly from values that would have been determined had a ready market for the investments existed, and the differences could be material. Real estate fund investments are invested through limited partnerships and are recorded at fair value estimated by the PRIM Board, generally using the NAVs provided by general partners as a practical expedient. The NAVs provided by general partners are generally based on appraised value of underlying real estate investments, which considers inputs such as comparable sales, projected income, discount rate, and capitalization rates. REIT securities are publicly traded securities and are valued in the same manner as the PRIT Fund's traded equity securities.

Investments in timberland are valued similarly to investments made by the LLC in real estate properties; however, independent appraisals of timberland investments are performed annually.

Hedge fund investments represent the PRIT Fund's ownership in direct hedge funds, managed accounts and hedge fund-of-funds. The fair values of the PRIT Fund's interest in direct hedge funds and hedge fund-of-funds are estimated by the PRIM Board, generally using NAVs provided by fund managers as a practical expedient. NAVs for direct hedge funds generally are based on the value of the underlying marketable securities or in the absence of readily ascertainable market values, the price of identical or similar securities. NAVs for hedge fund-of-funds are generally based on the value of the NAVs of the underlying funds which value their investments similar to direct hedge funds. Managed account investments in equity securities, fixed income, and other investments are valued using independent pricing services. In the event that pricing information is not available, then the investment is reported at fair value as estimated in good faith by the PRIM Board based on information provided by the investment manager responsible for such investment. Cash and cash equivalents held in managed accounts consist of highly liquid investments that are readily convertible into cash. The carry amount of these securities approximate fair value.

Private equity investments are typically made through limited partnerships that, in turn, invest in venture capital, leveraged buyouts, private placements, and other investments where the structure, risk profile, and return potential differ from traditional equity and fixed income investments. These investments are recorded at fair values estimated by the PRIM Board, generally using the NAVs provided by general partners as a practical expedient. The NAVs generally are based on the value of underlying investment holdings which are determined by investment managers and generally consider variables such as operating results, earnings of the underlying holdings, projected cash flows, recent sales prices, and other pertinent information. These estimated fair values are determined in good faith by investment managers or general partners using consistently applied procedures.

Portfolio completion strategies investments represents the PRIT Fund's investments in funds and managed accounts. The investments in funds are recorded at fair value as estimated in good faith by the PRIM Board, generally using NAVs provided by fund managers as a practical expedient. NAVs for these funds are valued similar to direct hedge funds because they generally involve marketable securities. Managed account investments in equity securities, fixed income, and other investments are valued using independent pricing services or independent appraisals. In the event that pricing information is not available, then the investment is reported at fair value as estimated in good faith by the PRIM Board based on information provided by the investment manager responsible for such investment. Cash and cash equivalents held in managed accounts consist of highly liquid investments that are readily convertible into cash. The carry amount of these securities approximate fair value.

#### (c) Investment Income

Dividend income is recorded on the ex-dividend date, and interest income is accrued as earned. For the years ended June 30, 2016 and 2015, foreign taxes withheld of \$20,252 and \$25,167, respectively, have been netted against dividend income in the statements of changes in pooled net position. Real estate income includes dividends earned on REIT securities as well as cash distributions of operating income from investments in real estate properties. Timberland income includes cash distributions of operating income from investments in timberland properties. Private equity income is recorded on a cash distribution basis.

## (d) Foreign Currency Translation and Transactions

The accounting records of the PRIT Fund are maintained in U.S. dollars. Investment securities and other assets and liabilities denominated in a foreign currency are translated into U.S. dollars at the prevailing rates of exchange at month-end. Purchases and sales of securities, income receipts, and expense payments are translated into U.S. dollars at the prevailing exchange rate on the respective dates of the transactions.

Unrealized net currency gains and losses from valuing foreign currency-denominated assets and liabilities at month-end exchange rates are reflected as a component of net unrealized appreciation (depreciation) on investments. For financial reporting purposes, it is not practicable to isolate that portion of the results of operations arising as a result of changes in foreign exchange rates from the fluctuations arising from changes in the market price of securities during the period.

Net realized gains and losses on foreign currency transactions represent principally gains and losses from sales and maturities of forward foreign currency contracts, disposition of foreign currencies, and currency gains and losses realized between the trade and settlement dates on securities transactions.

### (e) Derivative Instruments

In accordance with GASB Statement No. 53, Accounting and Financial Reporting of Derivative Instruments, the PRIT Fund has recorded all of its derivative activity at fair value as investment instruments within the equity, fixed income, and real estate investments and the related change in such instruments within the net change in unrealized appreciation (depreciation) on investments and foreign currency translations in the accompanying financial statements. As described in GASB 72, a credit valuation adjustment should be applied, when applicable, for nonperformance risk using the PRIT Fund's credit risk (liability) in determining fair value.

The PRIT Fund regularly trades derivative financial instruments with off-balance sheet risk in the normal course of its investing activities to manage exposure to certain risks within the fund. The PRIT Fund also enters into derivative transactions to gain exposure to currencies and markets where derivatives are the most effective instrument. The PRIT Fund's derivative financial instruments include foreign currency exchange contracts, financial and commodity futures contracts, and customized swap agreements (see note 7 for more detail). These derivative instruments can be exchange-traded or OTC contracts. The primary difference in risk associated with OTC contracts and exchange-traded contracts is credit and liquidity risks. For exchange-traded contracts, credit risk is limited to the role of the exchange or clearing corporation. OTC contracts contain credit risk for unrealized gains from various counterparties for the duration of the contract.

## (f) When-Issued Securities Transactions

The PRIT Fund may purchase or sell securities on a "when-issued" or delayed-delivery basis. Delivery and payment for such securities may take place a month or more after the trade date. Normally, settlement occurs within three months. The price of the underlying securities and the date when the securities will be delivered and paid for are fixed at trade date. During the time a delayed delivery sell transaction is outstanding, the contract is marked to market daily and substantially equivalent deliverable securities are held by the PRIT Fund for the transaction to the extent available. For delayed delivery purchase transactions, the PRIT Fund maintains segregated assets with a fair value equal to or greater than the amount of its purchase commitments. The receivables and payables associated with the sale and purchase of delayed delivery securities are reflected in the accompanying statements of pooled net position as securities sold and purchased on a when-issued basis. Losses may arise due to changes in the value of the underlying securities, if the counterparty does not perform under the contract, or if the issuer does not issue the securities due to political, economic, or other factors.

The PRIT Fund may also enter into mortgage dollar-roll and reverse mortgage dollar-roll agreements on a when-issued basis. A mortgage dollar-roll is an agreement in which the PRIT Fund sells securities (Continued)

on a when-issued basis and simultaneously contracts with the same counterparty to repurchase similar (same type, coupon, and maturity) but not identical securities on a specified future date. During the roll period, principal and interest on these securities are not received. The PRIT Fund is compensated by the difference between the current sales price and the forward price for the future purchase. A reverse mortgage dollar-roll is an agreement to buy securities and to sell substantially similar securities on a specified future date. During the roll period, the PRIT Fund receives the principal and interest on the securities purchased. The receivables and payables associated with mortgage dollar-rolls and reverse mortgage dollar-rolls are also reflected in the accompanying statements of pooled net position as securities sold and purchased on a when-issued basis.

### (3) Fair Value Measurements of Investments

In accordance with GASB 72, except for investments measured using NAV as a practical expedient to estimate fair value, the PRIT Fund categorizes the fair value measurements of its investments within the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy categorizes the inputs to valuation techniques used for fair value measurement into three levels as follows:

- Level 1 Inputs that reflect quoted prices (unadjusted) in active markets for identical assets or liabilities
  that the fund has the ability to access at the measurement date. Most of the PRIT Fund's directly held
  marketable securities, mutual funds and exchange traded funds would be examples of Level 1
  investments.
- Level 2 Inputs other than quoted prices that are observable for an asset or liability either directly or
  indirectly, including inputs in markets that are not considered to be active. Because they must often be
  priced on the basis of transactions involving similar but not identical securities or do not trade with
  sufficient frequency, certain directly held fixed income securities are categorized in Level 2.
- Level 3 Unobservable inputs based on the best information available, using assumptions in
  determining the fair value of investments and derivative financial instruments. Generally, the PRIT
  Fund's directly held investments in real estate and timberland will be categorized in Level 3 because a
  preponderance of inputs used to estimate fair value are not observable. For similar reasons, certain
  fixed income securities may also be categorized in Level 3.

The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3 inputs. In certain instances where the determination of the fair value measurement is based on inputs from different levels of the fair value hierarchy, the level in the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement.

The following tables present a summary of the fair value hierarchy of investments that are measured at fair value on a recurring basis at June 30, 2016 and 2015:

				2016			
				alue measurements u	sing		•
		Total	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs or not redeemable (Level 3)	Net asset value (NAV)	Unfunded commitments
Investments at fair value	_		(2010) 27	(=====	(201010)	()	
Short-term:							
Money market investments	\$	1,204,170	_	1,204,170	_	_	
Fixed income: U.S. government obligations (1)		5,546,901	5,546,901	_	_	_	
Domestic fixed income (2)		4,100,864	17,500	4,064,372	18,992	_	
International fixed income (3)		3,162,671	142,939	3,019,386	346	_	
Distressed debt (4)		1,235,565				1,235,565	1,100,129
Equity:		14,046,001	5,707,340	7,083,758	19,338	1,235,565	
Domestic equity securities		10,696,300	10,696,263	_	37	_	
International equity securities		14,211,379	14,185,209		26,170		
<b>-</b>		24,907,679	24,881,472		26,207		
Timberland Private equity funds:		2,003,805	_	_	2,003,805	_	
Special equity (5)		4,884,250	_	_	_	4,884,250	3,376,056
Venture capital (6)		1,599,074	_	_	_	1,599,074	555,159
Natural resources (7)	_	178,366				178,366	62,628
Real estate:		6,661,690	_	_	_	6,661,690	3,993,843
Real estate properties		6,021,497	_	_	6,021,497	_	
Real estate equity securities		1,484,402	1,469,759	14,643	, , , <u> </u>	_	
Real estate funds (8) Other		208,110	_	_	45.000	208,110	142,987
Other		45,066 7,759,075	1,469,759	14,643	45,066 6,066,563	208,110	
Hedge funds:		,,,,,,,,,	2,103,733	1,,0.5	0,000,505	200,110	
Event-driven hedge funds (9)		1,901,580	_	_	_	1,901,580	156,491
Relative value hedge funds (10) Equity long/short hedge funds (11)		520,060 319,669	_	_	_	520,060 319,669	
Fund of funds (12)		923,679	_	_	_	923,679	
Equity securities		1,078,035	1,076,466	868	701	_	
Cash and cash equivalent		618,269	595,909	22,360		_	
Fixed income securities Other		563,834 130,825	89 21,541	489,490	74,255 109,284	_	
Other	_	6,055,951	1,694,005	512,718	184,240	3,664,988	
Portfolio completion strategies:			, ,	•	,		
Investment funds (13)		221,575	_	_	_	221,575	
Cash and cash equivalent Equity securities		221,703 170,824	221,703 170,824	_	_	_	
Fixed income securities		19,601	-	19,601	_	_	
Other		115,499	6,581		108,918		
	_	749,202	399,108	19,601	108,918	221,575	
Total investments	\$	63,387,573	34,151,684	8,834,890	8,409,071	11,991,928	
Securities lending collateral:							
Repurchase agreements	\$	200,000	_	200,000	_	_	
Money market investments		72,931	_	72,931	_	_	
Domestic fixed income (14)		349,709		349,709			
Total securities lending collateral	\$	622,640		622,640			
Hedge fund liabilities at fair value							
Securities sold short:							
Equity securities	\$	849,579	849,579	_	_	_	
Cash and cash equivalent Fixed income securities		114,066 9,308	— 88	114,066 9,220	_	_	
i inco income securities	_	972,953	849,667	123,286	<del></del>		
Other		125,102			125,102		
Total hedge fund liabilities	<u></u>	1,098,055	849,667	123,286	125,102		
	·—	_,,,,,,,,,		,200			

	2015 Fair value measurements using						
Investments at fair value	_	Total	Quoted prices in active markets for identical assets (Level 1)	Significant other observable inputs (Level 2)	Significant unobservable inputs or not redeemable (Level 3)	Net asset value (NAV)	Unfunded commitments
Short-term:							
Money market investments Fixed income:	\$	1,733,529	_	1,733,529	_	_	
U.S. government obligations (1)		5,225,621	5,225,621	_	_	_	
Domestic fixed income (2) International fixed income (3)		4,660,555 3,152,349	17,198 145,131	4,599,426 3,006,427	43,931 791	_	
Distressed debt (4)		1,350,752	145,151	5,000,427	791	1,350,752	1,024,607
Distressed dest (1)	_	14,389,277	5,387,950	7,605,853	44,722	1,350,752	1,02 1,007
Equity:							
Domestic equity securities		10,353,626 14,289,329	10,352,860	766	 24,259	_	
International equity securities	_	24,642,955	14,265,070 24,617,930	766	24,259		
Timberland		1,664,581		-	1,664,581	_	
Private equity funds:							
Special equity (5)		5,131,206	_	_	_	5,131,206	3,422,258
Venture capital (6) Natural resources (7)		1,579,424 269,793	_	_	_	1,579,424 269,793	616,384 61,436
Natural resources (7)	_	6,980,423				6,980,423	4,100,078
Real estate:							
Real estate properties		6,292,315	1 140 040	9.400	6,292,315	_	
Real estate equity securities Real estate funds (8)		1,157,438 178,364	1,148,948	8,490 —	_	 178,364	50,788
Other		56,218	_	_	56,218	-	30,700
		7,684,335	1,148,948	8,490	6,348,533	178,364	
Hedge funds: Event-driven hedge funds (9)		2,310,405				2,310,405	83,977
Relative value hedge funds (10)		678,656	_	_	_	678,656	03,977
Equity long/short hedge funds (11)		581,334	_	_	_	581,334	
Fund of funds (12)		1,296,198		_	_	1,296,198	
Equity securities Cash and cash equivalent		533,459 354,884	533,459 346,214	- 8,670	_	_	
Fixed income securities		8,016	8,016	8,070	_	_	
Other		63,175	· <del>-</del>	_	63,175	_	
		5,826,127	887,689	8,670	63,175	4,866,593	
Portfolio completion strategies: Cash and cash equivalent		97,011	97,011	_	_	_	
Other		1,034	1,034	_	_	_	
	_	98,045	98,045	_			
Total investments	\$	63,019,272	32,140,562	9,357,308	8,145,270	13,376,132	
Securities lending collateral:							
Repurchase agreements	\$	200,000	_	200,000	_	_	
Money market investments		147,978	_	147,978	_	_	
Domestic fixed income (14)	_	209,180		209,180			
Total securities lending collateral	\$	557,158		557,158			
Hedge fund liabilities at fair value							
Securities sold short:	_						
Equity securities Fixed income securities	\$	398,605	398,605 9.059	_	_	_	
rixed income securities	_	9,059 407,664	407,664	<del></del>		<del></del>	
Other	_	66,832			66,832		
Total hedge fund liabilities	\$	474,496	407,664		66,832		

- (1) Fiscal 2016 rates range from 0.00% to 9.13%, and maturities range from 2016 to 2046. Fiscal 2015 rates range from 0.00% to 9.13%, and maturities range from 2015 to 2045.
- (2) Fiscal 2016 rates range from 0.00% to 13.38%, and maturities range from 2016 to 2115. Fiscal 2015 rates range from 0.00% to 12.64%, and maturities range from 2015 to 2115.
- (3) Fiscal 2016 rates range from 0.00% to 16.15%, and maturities range from 2016 to 2115. Fiscal 2015 rates range from 0.00% to 16.39%, and maturities range from 2015 to 2115.
- (4) This represents investments in 38 and 33 private partnerships that invest directly in distressed debt investment opportunities at June 30, 2016 and 2015, respectively. These investments cannot be redeemed. Distributions are received as the partnerships liquidate the underlying assets of the funds. The life cycles of the private partnerships are typically 10 to 15 years.
- (5) This includes investments in 170 and 155 private partnerships focused on acquisition financing, equity infusion capital, recovery investments, and special situations at June 30, 2016 and 2015, respectively. These private partnerships typically have 10 to 15 year life cycles during which limited partners are unable to redeem their positions, but instead, receive distributions as the partnerships liquidate the underlying assets of the funds.
- (6) This includes investments in 119 and 107 private partnerships focused on investing in companies in a range of stages of development from start-up/seed-stage, to early stage, to later-stage at June 30, 2016 and 2015, respectively. These investments are not redeemable. Distributions are received as the partnerships liquidate the underlying assets of the funds. The private partnerships typically have a life cycle of 10 to 15 years.
- (7) This represents investments in four private partnerships that make investments in the energy and natural resources industries at June 30, 2016 and 2015. Limited partners are unable to withdraw from the partnerships. Distributions are received as the partnerships liquidate the underlying assets. The four private partnerships have life cycles of 10 to 11 years and a weighted average remaining life of approximately two and three years at June 30, 2016 and 2015, respectively.
- (8) This includes seven closed-end real estate funds that invest in U.S. real estate at June 30, 2016 and 2015. These investments are not redeemable. The funds have initial terms of eight to 11 years with extension of one to two years, and have a weighted average remaining life of approximately five and six years at June 30, 2016 and 2015, respectively.

- (9) This includes 14 hedge funds that invest in event-driven strategies such as credit-event, equity-event, multi-event driven, and stressed/distressed credit positions at June 30, 2016 and 2015. Redemption frequency for these investments ranged from quarterly to two years with 45 to 90 days' notice.
- (10) This includes four hedge funds that invest in relative value strategies such as fixed income relative value, credit-relative value, and multi-relative value positions at June 30, 2016 and 2015. Redemption frequency for these investments ranged from monthly to quarterly with 45 to 90 days' notice.
- (11) This includes four and five hedge funds that invests in equity long/short strategies where there is combination of long and short positions primarily in publicly traded equities at June 30, 2016 and 2015, respectively. Redemption frequency for these investments ranged from quarterly to three years with 45 to 60 days' notice.
- (12) This includes one active hedge fund of funds manager, valued at \$867,595 and \$1,210,770, at June 30, 2016 and 2015, respectively, which invests in emerging hedge fund managers. Redemption frequency for this fund is monthly with 30 days' notice. The remaining balance represents investments in five liquidating portfolios in which distributions are received as the funds liquidates the underlying assets.
- (13) Portfolio completion strategies may include long-term strategic investments or short-term opportunistic investments. This includes two funds at June 30, 2016. One of the funds is valued at \$209,075, and is invested in a multi-strategy risk premia program. Redemption frequency for this fund is monthly with 30 days' notice. The other fund is valued at \$12,500, and is invested in a fund that seeks to make short-duration investments targeting residential land development opportunities across the U.S. Investment in this fund is not redeemable and distributions are received as the fund liquidates its underlying assets.
- (14) U.S. government agency securities with maturities of less than three months.

#### (4) Deposits and Investments Risks

### (a) Custodial Credit Risk

Custodial credit risk is the risk that in the event of bank failure, the PRIT Fund's deposits and investments may not be returned. The PRIM Board manages the PRIT Fund's exposure to custodial credit risk by requiring all relevant investment managers to hold investments in separate accounts with the PRIM Board's custodian (see note 8). The PRIM Board has not adopted a formal custodial credit risk policy.

Cash balances represent amounts held in bank depository accounts that may be subject to custodial credit risk. The PRIT Fund maintains cash and cash equivalents with various major financial institutions. The combined account balances at a specific financial institution may periodically exceed federally insured limits. No losses have been incurred as of June 30, 2016 and 2015.

### (b) Interest Rate Risk

Interest rate risk is the risk that changes in interest rates of fixed income investments will adversely affect the fair value of an investment. While the PRIM Board does not have a formal policy relating to interest rate risk, the PRIM Board manages the PRIT Fund's exposure to fair value loss arising from movements in interest rates by establishing duration guidelines with its fixed income investment managers. The guidelines with each individual manager require that the effective duration of the domestic fixed income investment portfolio be within a specified percentage or number of years of the effective duration band of the appropriate benchmark index. For emerging markets fixed income investments, the portfolio must have duration with a band ranging from three to eight years. Effective duration is a measure of a fixed income investment's exposure to fair value changes arising from changes in interest rates. Effective duration makes assumptions regarding the most likely timing and amounts of variable cash flows. These assumptions take into consideration factors indicative of investments highly sensitive to interest rate changes, including callable options, prepayments, and other factors. These factors are reflected in the effective duration numbers provided in the following table. The PRIM Board compares the effective duration of a manager's portfolio to their relevant benchmark including Barclays Capital Aggregate index, US Treasury STRIPS 20+ Year index, Barclays Capital US TIPS index, Barclays Capital Inflation Linked Bonds index, S&P LSTA Leveraged Loan index, JP Morgan Global Emerging Markets Bond index, JP Morgan Global Diversified Emerging Markets Bond index, and the Merrill Lynch High Yield Master II index.

The following table shows the debt investments by investment type, fair value, and effective weighted duration rate at June 30:

		201	.6		201	5
Investment	_	Fair value	Effective weighted duration rate		Fair value	Effective weighted duration rate
mvestment		Tall Value	(Years)		Tall Value	(Years)
			, ,			, ,
Asset-backed securities	\$	73,442	0.45	\$	154,740	2.19
Commercial mortgage-		460 700	4.00		225 502	2.10
backed securities		163,728	1.80		235,583	2.18
Commercial paper and CDs		_	_		51,922	0.14
Corporate bonds and other		4 020 424	6.60		4 040 055	42.04
credits		4,029,424	6.60		4,018,855	13.01
U.S. government bonds		4,299,621	22.60		3,988,370	24.23
U.S. government agencies		23,164	3.68		55,097	3.91
U.S. government TIPS		1,247,280	6.50		1,237,251	8.04
U.S. government mortgage-		040.350	2.40		4 470 400	1.00
backed securities		940,359	2.19		1,179,408	1.99
Global inflation linked bonds		386,483	9.02		378,121	9.61
Municipal bonds		39,939	11.12		40,134	10.35
Hedge funds		563,834	5.79		8,016	4.08
Portfolio completion strategies		19,601	2.37		4 722 520	
Pooled money market fund		1,204,170	N/A		1,733,529	N/A
Other pooled funds	-	2,842,561	N/A	_	3,049,796	N/A
Total fixed income						
and short-term						
investments	\$_	15,833,606		\$_	16,130,822	
	_					
Securities lending collateral investments:						
U.S. government agencies	\$	349,709	N/A	\$	209,180	N/A
Pooled money market fund		72,931	N/A		147,978	N/A
Repurchase agreements	_	200,000	N/A	_	200,000	N/A
Total securities lending		622.646			FF7.4F0	
collateral investments	\$ =	622,640		\$=	557,158	

N/A - No effective duration

### (c) Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will fail to meet its debt obligations.

The PRIM Board does not have a formal investment policy governing credit risk; each fixed income securities investment managers is given a specific set of guidelines to invest within based on the mandate for which it was hired. These guidelines vary depending on the manager's strategy and the role of its portfolio to the overall diversification of the PRIT Fund. The guidelines for the PRIT Fund's core fixed income portfolio establish the minimum credit rating for any security in the portfolio and the overall weighted average credit rating of the portfolio. For example, all securities held must generally be investment grade. The guidelines for the PRIT Fund's high yield fixed income portfolio establish a market value range of securities to be held with a specific minimum credit rating and the overall weighted average credit rating of the portfolio.

Credit risk for derivative instruments held by the PRIT Fund results from counterparty risk. The PRIT Fund is exposed to credit risk resulting from counterparties being unable to meet their obligations under the terms of the derivative agreements. See note 7 for more information on the PRIT Fund's derivative instruments.

PENSION RESERVES INVESTMENT TRUST FUND Financial Section

# Notes to Financial Statements June 30, 2016 and 2015 (Dollars in thousands)

The weighted average quality rating of the debt securities portfolio, excluding pooled investments, investments explicitly backed by the U.S. government and other nonrated investments was BBB+ at June 30, 2016 and A- at June 30, 2015. The following tables present the PRIT Fund's fixed-income securities credit ratings at June 30:

				2016						
		Total		Investment grade		Noninvestn	nent grade			
Investment		fair value	AAA	AA+ to A-	BBB+ to BBB-	BB+ to B-	CCC+ to D	Not rated		
Asset-backed securities	Ś	73,442	29,537	36,851	1,761	5,101	192	_		
Commercial mortgage-backed securities	Ψ.	163,728	71,377	35,740	28,943	13,594	12.777	1,297		
Corporate bonds and other credits		4,029,424	115,468	1,134,288	1,216,684	1,146,453	154,629	261,902		
U.S. government agencies		23,164	_	23,164				_		
U.S. government mortgage-backed securities		725,327	111	318,803	_	_	_	406,413		
Global inflation linked bonds		386,483	120,874	188,641	76,099	869	_	_		
Municipal bonds		39,939	678	32,265	4,763	2,233	_	_		
Hedge funds		563,834	_	_	_	, <u> </u>	_	563,834		
Portfolio completion strategies		19,601	_	_	_	_	_	19,601		
Pooled money market fund		1,204,170	_	_	_	_	_	1,204,170		
Other pooled funds		2,842,561	_	_	_	_	_	2,842,561		
Total credit risk, fixed income, and short-term										
investments		10,071,673	338,045	1,769,752	1,328,250	1,168,250	167,598	5,299,778		
Fixed income investments explicitly										
backed by the U.S. government	_	5,761,933								
Total fixed income and short-term investments	\$_	15,833,606								
Securities lending collateral investments:										
U.S. government agencies	\$	349,709	_	349,709	_	_	_	_		
Pooled money market fund		72,931	_	· —	_	_	_	72,931		
Repurchase agreements		200,000	_	_	150,000	_	_	50,000		
Total securities lending collateral investments	\$_	622,640		349,709	150,000			122,931		

PENSION RESERVES INVESTMENT TRUST FUND Financial Section

# Notes to Financial Statements June 30, 2016 and 2015 (Dollars in thousands)

			2015						
	Total		Investment grade	:	Noninvestr	ment grade			
Investment	fair value	AAA	AA+ to A-	BBB+ to BBB-	BB+ to B-	CCC+ to D	Not rated		
Asset-backed securities	\$ 154,740	69,846	76,967	779	6,905	243	_		
Commercial mortgage-backed securities	235,583	64,170	57,091	52,448	37,610	23,050	1,214		
Commercial paper and CDs	51,922	_	3,097	48,825	_	_	_		
Corporate bonds and other credits	4,018,855	127,408	1,271,634	1,318,177	889,931	141,220	270,485		
U.S. government agencies	55,097	_	55,097	_	_	_	_		
U.S. government mortgage-backed securities	988,164	105	636,993	_	_	_	351,066		
Global inflation linked bonds	378,121	110,287	172,755	95,079	_	_	_		
Municipal bonds	40,134	593	34,475	1,948	3,118	_	_		
Hedge funds	8,016	_	_	_	_	_	8,016		
Pooled money market fund	1,733,529	_	_	_	_	_	1,733,529		
Other pooled funds	3,049,796						3,049,796		
Total credit risk, fixed income, and short-term									
investments	10,713,957	372,409	2,308,109	1,517,256	937,564	164,513	5,414,106		
Fixed income investments explicitly									
backed by the U.S. government	5,416,865								
Total fixed income and short-term investments	\$ 16,130,822								
Securities lending collateral investments:									
	\$ 209,180	_	209,180	_	_	_	_		
Pooled money market fund	147,978	_	, <u> </u>	_	_	_	147,978		
Repurchase agreements	200,000			200,000					
Total securities lending collateral investments	\$557,158_		209,180	200,000			147,978		

# (d) Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of investments. Although the PRIM Board has no overall policy regarding foreign currency risk, the PRIM Board does manage the PRIT Fund's exposure to foreign currencies by establishing investment guidelines with each of its managers who invest in securities not denominated in U.S. dollars. These guidelines set maximum investment balances for any currency and/or country holdings must be within a certain percentage of predefined benchmarks. In addition, the PRIM Board's investment managers may actively manage exposure to foreign currencies through the use of forward foreign currency contracts. The following tables present the PRIT Fund's foreign currency exposures at June 30 (stated in U.S. dollars):

				2016			
	Cash and			Hedge funds and portfolio			
	short-term investments	Equity	Fixed income	completion strategies	Private equity investments	Timberland investments	Total
Australian Dollar \$	6,637	491,114	13,220	(3,347)	_	175,093	682,717
Brazilian Real	1,049	137,849	228,287	_	_	_	367,185
British Pound	17,560	2,015,961	356,450	29,845	38,393	_	2,458,209
Canadian Dollar	16,736	436,169	30,932	4,832	6,867	_	495,536
Danish Krone	1,689	314,872	2,381	3,917	_	_	322,859
Euro	12,219	2,236,302	272,994	97,699	1,093,515	_	3,712,729
Hong Kong Dollar	10,759	994,567	(595)	1,666	_	_	1,006,397
Indian Rupee	2,125	352,427	4,166	_	_	_	358,718
Japanese Yen	59,386	2,294,481	73,095	1,250	_	_	2,428,212
New Taiwan Dollar	3,927	444,196	_	_	_	_	448,123
S. African Comm Rand	4,362	250,774	126,634	136	_	_	381,906
South Korean Won	5,663	548,619	36,375	2	_	_	590,659
Swedish Krona	194	360,744	11,507	3,504	_	_	375,949
Swiss Franc	19,490	782,579	_	5,955	_	_	808,024
Other foreign currencies	18,553	1,017,779	911,989	(4,409)			1,943,912
Total securities subject to foreign currency risk	180,349	12,678,433	2,067,435	141,050	1,138,775	175,093	16,381,135
,		,_,	_,,,	,	_,,	,,,,,	,,
International investments		. =					0.000.100
denominated in U.S. dollars		1,532,946	1,095,236				2,628,182
Total international investments and cash deposits \$	180,349	14,211,379	3.162.671	141,050	1.138.775	175,093	19,009,317
ueposits 3	100,343	17,411,373	3,102,071	141,030	1,130,773	173,033	10,000,017

		2015									
	sh	Cash and nort-term restments	Equity		Fixed ncome	Private ed investme		Timber investments	Tota	al	
Australian Dollar	\$	4,699	452,827		12,549		_	172,588	642	,663	
Brazilian Real		918	108,213		197,872		_	_	307	,003	
British Pound		29,184	2,276,111		362,371	91,2	37	_	2,758	,903	
Canadian Dollar		23,085	462,151		31,505	18,3	64	_	535	,105	
Danish Krone		351	303,635		3,947		_	_	307	,933	
Euro		9,530	2,340,962		293,225	1,188,0	43	_	3,831	,760	
Hong Kong Dollar		9,336	1,077,867		_		_	_	1,087	,203	
Japanese Yen		116,886	2,240,071		47,659		_	_	2,404	,616	
Mexican Peso		13,091	103,000		129,819		_	_	245	,910	
New Taiwan Dollar		16,188	449,513		_		_	_	465	,701	
S. African Comm Rand		1,729	286,470		91,292		_	_	379	,491	
South Korean Won		2,614	514,806		27,665		_	_	545	,085	
Swedish Krona		808	366,189		16,956		_	_	383	,953	
Swiss Franc		11,318	789,138		_		_	_	800	,456	
Other foreign currencies		13,614	1,002,358		681,368				1,697	,340	
Total securities subject to foreign											
currency risk		253,351	12,773,311	1,	896,228	1,297,6	44	172,588	16,393	,122	
International investments											
denominated in U.S. dolla	rs		1,516,018	1,	256,121				2,772	,139	
Total international investments and cash											
deposits	\$	253,351	14,289,329	3,	152,349	1,297,6	44	172,588	19,165	,261	

# (e) Concentration of Credit Risk

The PRIM Board manages the PRIT Fund's exposure to concentration of credit risk by establishing guidelines with each investment manager that limit the percentage of investment in any single issue or issuer. The PRIT Fund has no investments, at fair value, that exceed 5% of the PRIT Fund's total investments as of June 30, 2016 and 2015.

### (f) Financial Instruments with Off-Balance-Sheet Risk

In the normal course of business, the PRIT Fund enters into financial instrument transactions with off-balance-sheet risk. These financial instruments involve varying degrees and type of risks, including credit and market risks, which may be in excess of the amounts recognized in the Statements of Pooled Net Position. Futures and foreign currency exchange contracts represent commitments to purchase or sell foreign currencies at a future date and at a specified price. The PRIT Fund could be exposed to risks if the counterparties to the contracts are unable to meet the terms of their contracts or if the value of the foreign currency changes unfavorably.

## (5) Securities Lending Program

In October 2014, the PRIM Board hired a third-party securities lending agent to launch a securities lending program on January 2, 2015. The program loans domestic and international equity, REIT, and fixed income securities for collateral with a simultaneous agreement to return the collateral for the same securities in the future. Securities on loan are secured with collateral ranging from 102% to 105% determined by the type of securities lent. Securities on loan are valued daily to maintain the collateral requirement and, where applicable, additional collateral is delivered. At June 30, 2016 and 2015, the PRIT Fund has no credit risk exposure to borrowers because the borrowers provided collateralization greater than 100% of the fair value of the securities on loan. The PRIT Fund cannot pledge or sell the collateral securities unless the lending agent defaults. The lending agent is required to indemnify the PRIT Fund in the event that it fails to return the securities on loan (and if the collateral is inadequate to replace the securities on loan) or if the lending agent fails to perform its obligations as stipulated in the agreement. There was no loss during the years ended June 30, 2016 and 2015 resulting from default by the lending agent.

Securities loans are terminable on demand therefore maturities of the securities loans do not generally match the maturities of investments made with cash collateral. Investments made with cash collateral are primarily in short-term investments with maximum maturity of three months from the date of purchase.

Securities on loan are included in investments at fair value in the accompanying statements of pooled net position. As of June 30, 2016 and 2015, the fair value of securities on loan was \$593,133 and \$534,843, respectively, and the associated cash collateral was \$622,487 and \$557,135, respectively. The cash collateral received is reported as securities lending obligations in the accompanying statements of pooled net position. There was no security collateral or noncash collateral at June 30, 2016 and 2015. The fair value of reinvested cash collateral was \$622,640 and \$557,158 at June 30, 2016 and 2015, respectively, and is reported as securities lending collateral in the accompanying statements of pooled net position.

### (6) Real Estate Debt

# (a) Notes Payable

The LLC's notes payable obligations consisted of the following as of June 30:

	_	2016	2015
Senior unsecured term loan Senior unsecured notes	\$	500,000 500,000	500,000 500,000
Total	\$	1,000,000	1,000,000

Scheduled long-term maturities of existing indebtedness at June 30, 2016 in each of the next five years and in the aggregate thereafter are as follows:

	_	Amount		
Year ending June 30:				
2017	\$	_		
2018	·	500,000		
2019		_		
2020		175,000		
2021		_		
2022–2025	_	325,000		
	\$	1,000,000		

### (i) Senior Unsecured Term Loan

On February 12, 2013, the LLC issued a Senior Unsecured Term Loan in the aggregate principal amount of \$500,000, maturing February 12, 2018. Interest is payable monthly based on LIBOR plus an applicable rate based upon the range into which the Total Leverage Ratio falls as outlined in the Term Loan agreement. As of June 30, 2016 and 2015, the applicable rate is 1.15%.

# (ii) Senior Unsecured Notes

On February 14, 2013, the LLC issued 3.25% Series A Senior Notes in the aggregate principal amount of \$175,000 maturing February 14, 2020; 3.85% Series B Senior Notes in the aggregate principal amount of \$175,000 maturing February 14, 2023; 4.00%

Series C Senior Notes in the aggregate principal amount of \$150,000 maturing February 14, 2025. Interest on the notes is payable semi-annually.

Both the Senior Unsecured Term Loan and Senior Unsecured Notes contain certain financial covenants as outlined in the respective agreements. The LLC was in compliance with such covenants at June 30, 2016 and 2015.

## (b) Mortgage Loans Payable

The LLC had 16 and 21 property-level mortgage loans payable as of June 30, 2016 and 2015, respectively. The mortgages have a weighted average interest rate of 3.70% and 3.86% and a weighted average maturity of 2.8 and 2.9 years at June 30, 2016 and 2015, respectively. The following table presents the face value of mortgage loans payable at June 30:

	_	2016	2015
Mortgage loans payable	\$	424,416	511,769
Total	\$	424,416	511,769

#### (c) Other Liabilities:

The LLC had other liabilities of \$25,777 and \$5,535 as of June 30, 2016 and 2015, respectively.

### (7) Derivative Investments

The PRIT Fund regularly trades financial instruments with off-balance-sheet risk in the normal course of its investing activities to assist in managing exposure to market risks. These financial instruments include foreign currency exchange contracts, futures contracts, and swap contracts.

### (a) Foreign Currency Exchange Contracts

A foreign currency exchange contract is an agreement between two parties to buy or sell a fixed quantity of currency at a set price on a future date. The PRIT Fund may enter into foreign currency exchange contracts to hedge its exposure to the effect of changes in foreign currency exchange rates upon its non-U.S. dollar-denominated investments. The fair value of such contracts will fluctuate with changes in currency exchange rates. The contracts are valued daily, and the changes in fair value are recorded by the PRIT Fund as unrealized gains or losses. When the contract is closed, the PRIT Fund records a realized gain or loss equal to the difference between the cost of the contract at the time it was opened and the value at the time it was closed.

Foreign currency exchange contracts open at June 30 (in U.S. dollars) were as follows:

			2016		
		Aggregate	Delivery	Unrealized	Unrealized
	Fair value	face value	date(s)	gains	losses
Foreign currency exchange					
contracts purchased:					
Australian Dollar	\$ 46,086	45,633	7/1/16-8/3/16 \$	_	(453)
Brazilian Real	106,987	97,242	7/1/16-10/4/16	_	(9,745)
British Pound	755,957	791,328	7/1/16-8/12/16	35,371	_
Canadian Dollar	58,283	58,210	7/6/16-8/12/16	· —	(73)
Euro	561,710	563,233	7/1/16-9/26/16	1,523	` _ ·
Hong Kong Dollar	36,416	36,392	7/5/16-11/7/16	_	(24)
Japanese Yen	148,407	142,230	7/1/16-9/26/16	_	(6,177)
Mexican New Peso	54,287	53,869	7/5/16-3/3/19	_	(418)
New Taiwan Dollar	44,823	44,189	7/1/16-9/21/16	_	(634)
New Zealand Dollar	42,885	41,772	7/6/16-8/3/16	_	(1,113)
Singapore Dollar	76,410	74,925	8/18/16-9/21/16	_	(1,485)
South African Comm Rand	57,047	54,085	7/1/16-9/21/16	_	(2,962)
South Korean Won	58,177	57,307	71/16-9/21/16	_	(870)
Turkish Lira	42,359	41,242	7/13/16-9/21/16	_	(1,117)
Other foreign currencies	318,686	319,138	7/1/16-2/15/17	2,910	(2,458)
Foreign currency exchange					
contracts sold:					
Brazilian Real	99,223	91,567	7/1/16-10/4/16	7,656	_
British Pound	388,413	393,671	7/1/16-7/19/16	_	(5,258)
Colombian Peso	66,469	63,125	7/1/16-9/21/16	3,344	_
Euro	325,635	326,750	7/1/16-9/26/16	_	(1,115)
Hong Kong Dollar	46,094	46,067	7/2/16-11/7/16	27	_
Indian Rupee	35,964	35,879	7/1/16-9/21/16	85	_
Japanese Yen	84,225	83,175	7/1/16-8/12/16	1,050	_
Malaysian Ringgit	85,647	82,302	7/27/16-9/21/16	3,345	_
Polish Zloty	38,750	39,316	7/1/16-9/21/16	_	(566)
South African Comm Rand	48,784	46,661	7/1/16-9/21/16	2,123	_
Thailand Baht	63,604	63,193	7/5/16-9/21/16	411	_
Turkish Lira	97,057	94,608	7/1/16-9/21/16	2,449	_
Other foreign currencies	296,833	297,002	7/1/16-3/15/17	2,115	(2,284)
Total			\$	62,409	(36,752)

				2015		
	-		Aggregate	Delivery	Unrealized	Unrealized
	_	Fair value	face value	date(s)	gains	losses
Foreign currency exchange						
contracts purchased:						
Australian Dollar	\$	34,988	34,852	7/2/15-8/17/15 \$	_	(136)
Brazilian Real	·	167,092	167,462	7/1/15–10/4/16	370	` _
British Pound		749,982	740,541	7/2/15–8/5/15	_	(9,441)
Canadian Dollar		51,671	52,682	7/2/15-7/21/15	1,011	
Chinese Yuan Renminbi		49,068	48,222	7/23/15-9/16/15	_	(846)
Euro		603,573	601,815	7/2/15-8/18/15	_	(1,758)
Japanese Yen		279,827	277,681	7/2/15-9/24/15	_	(2,146)
Mexican New Peso		159,721	163,325	7/7/15-9/30/15	3,604	_
New Turkish Lira		80,305	78,889	7/15/15-9/16/15	· —	(1,416)
Polish Zloty		36,427	36,939	7/2/15-9/16/15	512	_
Singapore Dollar		57,915	57,712	7/2/15-9/16/15	_	(203)
South African Comm Rand		48,899	48,356	7/3/15-9/16/15	_	(543)
South Korean Won		38,164	38,225	7/1/15-9/16/15	61	_
Other foreign currencies		224,170	225,609	7/1/15–12/4/15	2,683	(1,246)
Foreign currency exchange						
contracts sold:						
Brazilian Real		144,387	143,624	7/2/15-9/16/15	763	_
British Pound		385,343	386,077	7/1/15-8/5/15	_	(734)
Canadian Dollar		34,009	34,345	7/3/15-7/22/15	_	(336)
Chilean Peso		42,621	43,701	7/27/15-9/16/15	_	(1,080)
Chinese Yuan Renminbi		54,564	53,939	8/13/15-9/16/15	625	_
Euro		348,545	350,536	7/1/15-8/18/15	_	(1,991)
Indian Rupee		37,051	36,763	7/1/15-9/16/15	288	_
Japanese Yen		171,258	169,829	7/1/15-9/15/15	1,429	_
Malaysian Ringgit		34,848	35,210	7/2/15-9/17/15	_	(362)
Mexican New Peso		61,529	62,623	7/1/15-9/30/15	_	(1,094)
New Turkish Lira		91,317	90,507	7/29/15-9/16/15	810	_
Polish Zloty		66,252	67,074	7/2/15-9/16/15	_	(822)
South African Comm Rand		50,825	49,936	7/6/15-9/16/15	889	_
Other foreign currencies		241,876	243,137	7/1/15–12/16/15	395	(1,656)
Total				\$	13,440	(25,810)

For the years ended June 30, 2016 and 2015, the change in net unrealized appreciation (depreciation) on foreign currency exchange contracts was \$38,027 and \$(4,429), respectively.

## (b) Futures Contracts

The PRIT Fund enters into financial and commodity futures on various exchanges. A futures contract is an agreement between two parties to buy or sell units of a particular index, security, or commodity (Continued)

at a set price on a future date. Upon entering into financial and commodity futures contracts, the PRIT Fund is required to pledge to the broker an amount of cash or securities equal to a certain percentage of the contract amount (initial margin deposit). Pursuant to the contract, the PRIT Fund agrees to receive from, or pay to, the broker an amount of cash equal to the daily fluctuation in value of the contract. Such receipts or payments are known as "variation margin" and are recorded by the PRIT Fund as unrealized gains or losses. When the contract is closed, the PRIT Fund records a realized gain or loss equal to the difference between the value of the contract at the time it was opened and the value at the time it was closed. The potential risk to the PRIT Fund is that the change in value of futures contracts primarily corresponds with the value of underlying instruments, which may not correspond to the change in value of the hedged instruments. The PRIT Fund is also subject to credit risk should its clearing brokers be unable to meet their obligations to the PRIT Fund.

Futures contracts held at June 30 were as follows:

				2016		
Description	Number of contracts	Expiration date		Gross notional amount	Fair value of contracts	Unrealized appreciation (depreciation)
Short cash and cash equivalents:						
90-Day Eurodollar	(159)	12/16	\$	(39,194)	(39,482)	(288)
Long cash and cash equivalents:					. , ,	, ,
90-Day Eurodollar	514	12/17-9/18		127,374	127,358	(16)
Euro FX currency	287	9/16		40,948	39,848	(1,100)
Other long cash and cash		•		,	,	, ,
eguivalents	924	9/16		89,133	88,157	(976)
Long fixed income:		•		,	,	,
US 5-Yr Treasury Notes	1,393	9/16		168,487	170,175	1,688
US 10-Yr Treasury Notes	1,319	9/16		171,195	175,406	4,211
Ultra US Treasury Bond	622	9/16		110,530	115,925	5,395
Other long fixed income	4,113	8/16-9/16		33,975	36,622	2,647
Short fixed income:	,			•	,	•
US 2-Yr Treasury Notes	(366)	9/16		(80,112)	(80,274)	(162)
US Treasury Bond	(702)	9/16		(114,794)	(120,985)	(6,191)
Other short fixed income	(394)	9/16		(94,416)	(95,597)	(1,181)
Short equity and commodities:						
S&P 500 E-mini Index	(1,428)	9/16		(150,304)	(149,240)	1,064
Other short equity and						
commodities	(12,810)	7/16-9/16		(37,013)	(38,118)	(1,105)
Long equity and commodities:						
S&P 500 E-mini Index	1,656	9/16		171,808	173,069	1,261
S&P Midcap 400 E-mini Index	285	9/16		41,964	42,551	587
MINI MSCI Emerging						
Markets Index	2,951	9/16		120,229	123,160	2,931
MSCI EAFE Index	1,133	9/16		90,451	91,501	1,050
TOPIX Index	546	9/16		67,555	66,287	(1,268)
Other long equity and						
commodities	4,695	7/16-9/16	_	227,229	228,929	1,700
Total futures						
exposure			\$_	945,045	955,292	10,247

			2015		
			Gross		Unrealized
	Number of	Expiration	notional	Fair value	appreciation
Description	contracts	date	amount	of contracts	(depreciation)
Short cash and cash equivalents:					
90-Day Eurodollar	(3,243)	12/15-12/17	\$ (792,354)	(796,126)	(3,772)
Long cash and cash equivalents:					
90-Day Eurodollar	3,895	7/15-3/16	968,943	970,133	1,190
Other long cash and cash	,	, ,	,	,	,
eguivalents	1,642	9/15	173,229	173,642	413
Long fixed income:	,	•	,	,	
US 5-Yr Treasury Notes	818	9/15	97,279	97,553	274
US 10-Yr Treasury Notes	2,580	9/15	327,007	325,523	(1,484)
Ultra US Treasury Bond	1,490	9/15	231,003	229,553	(1,450)
Other long fixed income	4,041	8/15-9/15	61,747	64,493	2,746
Short fixed income:	,	, ,	,	,	,
TSE 10-Yr Japanese					
Government Bond	(61)	9/15	(72,048)	(73,266)	(1,218)
US 10-Yr Treasury Notes	(386)	9/15	(48,770)	(48,702)	68
Other short fixed income	(631)	9/15	(107,490)	(105,804)	1,686
Short equity and commodities:	` ,	•		, , ,	•
Other short equity and					
commodities	(1,495)	7/15-9/15	(21,461)	(21,514)	(53)
Long equity and commodities:			. , ,	, , ,	
S&P 500 E-mini Index	6,319	9/15	661,075	649,088	(11,987)
S&P 500 Index	1,175	9/15	614,290	603,480	(10,810)
MINI MSCI Emerging	•	•	•	•	, , ,
Markets Index	4,264	9/15	205,358	204,544	(814)
MSCI EAFE Index	1,122	9/15	104,814	102,887	(1,927)
Dow Jones EURO STOXX					.,,,
50 Index	1,477	9/15	58,338	56,545	(1,793)
Other long equity and					
commodities	3,378	7/15-9/15	353,241	348,252	(4,989)
Total futures					
exposure			\$ 2,814,201	2,780,281	(33,920)

For the years ended June 30, 2016 and 2015, the change in net unrealized appreciation (depreciation) on futures contracts was 44,167 and 57,235, respectively.

## (c) Swaps

The PRIT Fund enters into swap agreements to gain exposure to certain markets and actively hedge other exposures to market and credit risks. The PRIT Fund utilizes interest rate, credit default, inflation, and total return swaps within the portfolio. The PRIT Fund's OTC swap agreements are recorded at fair value as estimated by the PRIM Board. These estimated fair values are determined in good faith by using information from the PRIT Fund's investment managers, including methods and assumptions considering market conditions and risks existing at the date of the statements of pooled net position. Such methods and assumptions incorporate standard valuation conventions and techniques, such as discounted cash flow analysis and option pricing models. All methods utilized to estimate fair values result only in general approximations of value, and such values may or may not actually be realized.

Open swap contracts at June 30 were as follows:

		2016				
Description	PRIT pays/receives interest rate	PRIT pays/receives index/ protection	Maturity date	_	Gross notional amount	Net unrealized appreciation (depreciation)
Interest rate swaps Inflation swaps	0.99%-16.15% 2.07%-3.53%	Various* Inflation	11/16-9/46 3/18-12/44	\$	1,032,138 32,831	(18,812) (539)
imation swaps	2.0770 3.3370	protection	3,10 12, 11		32,031	(333)
Credit default swaps	0.11%-5.00%	Credit default protection	9/16-5/63		86,457	(4,868)
Total return swaps	0.29%-1.75%	Various*	7/16-9/16	_	5,929	5,732
Total swaps				\$_	1,157,355	(18,487)

<sup>\*</sup> PRIT pays/receives counterparty based on 3-Month USD LIBOR, 3-Month CNY rate, 3-Month HKD HIBOR rate, 6-Month GBP LIBOR, 6-Month SGD rate, Brazil CDI rate, Mexican TIIE rate.

		2015			
Description	PRIT pays/receives interest rate	PRIT pays/receives index/ protection	Maturity date	 Gross notional amount	Net unrealized appreciation (depreciation)
Interest rate swaps Inflation swaps	0.12%-13.92% 1.85%-3.52%	Various* Inflation	4/16–12/45 3/16–12/44	\$ 1,335,368 61,214	2,669 (599)
Credit default swaps	0.11%-3.36%	protection Credit default protection	9/15–5/46	186,582	(5,677)
Total swaps				\$ 1,583,164	(3,607)

<sup>\*</sup> PRIT pays/receives counterparty based on 1-Month LIBOR, 3-Month USD LIBOR, 3-Month CNY rate, 3-Month HKD HIBOR rate, 3-Month SAFEX-JIBAR rate, 6-Month Euro LIBOR, 6-Month GBP LIBOR, 6-Month JPY LIBOR, 6-Month SGD rate, 6-Month THBFIX rate, Brazil CDI rate, China seven-day repo rate, Mexican TIIE rate.

For the years ended June 30, 2016 and 2015, the change in net unrealized appreciation (depreciation) on swap contracts was (14,880) and (14,690), respectively.

The PRIT Fund's exposures in the event of nonperformance by counterparties at June 30 were as follows:

					201	.6		
			Intere swa	est rate	Credit swa	default ns	Total reto inflation	
Counterparty	Credit rating		Gross notional	Fair value	Gross notional	Fair value	Gross notional	Fair value
Bank of America NA	Α	\$	_	_	11,436	(1,818)	_	_
Barclays Bank PLC	Α		_	_	8,871	(425)	27,430	(1,003)
CME Group Inc.	AA-		323,755	(7,906)	_	_	_	_
Deutsche Bank AG	BBB		13,078	(496)	8,300	(131)	_	_
Goldman Sachs	Α		_	_	15,850	(589)	10,661	5,990
IntercontinentalExchange Holdings Inc.	Α		_	_	13,800	(720)	_	_
LCH.Clearnet Ltd	A+		147,600	(6,353)	_	_	_	_
U.S. Bank National Association	AA-		500,000	(3,408)	_	_	_	_
All others	Various		47,705	(649)	28,200	(1,185)	669	206
		\$_	1,032,138	(18,812)	86,457	(4,868)	38,760	5,193

					201	15		
			Intere	est rate	Credit	default	Inflat	tion
			swa	aps	swa	ps	swa	ps
	Credit		Gross	Fair	Gross	Fair	Gross	Fair
Counterparty	rating		notional	value	notional	value	notional	value
Bank of America NA	Α	\$	966	(2)	33,385	(2,259)	_	_
Barclays Bank PLC	A-		47,978	160	31,513	(590)	54,860	(279)
CME Group Inc.	AA-		212,920	636	_	_	_	_
Citibank NA	Α		21,807	52	10,213	(339)	_	_
Deutsche Bank AG	BBB+		6,899	68	26,300	(153)	_	_
LCH.Clearnet Ltd	A+		386,810	1,541	_	_	_	_
UBS AG	BBB+		23,797	(361)	21,071	(3)	_	_
U.S. Bank National Association	AA-		500,000	303	_	_	_	_
All others	Various	_	134,191	272	64,100	(2,333)	6,354	(320)
		\$	1,335,368	2,669	186,582	(5,677)	61,214	(599)

## (8) Investment Management and Other Management Fees

In accordance with the PRIM Board's Operating Trust Agreement, expenses incurred by the PRIM Board in managing the PRIT Fund are charged to the PRIT Fund in the form of management fees. These expenses consist of investment management fees, investment advisory fees, custodian fees and professional fees, as well as staff salaries and other administrative expenses of the PRIM Board.

### (a) Investment Management Fees

Investment management fees are paid to discretionary managers pursuant to executed contracts. Total investment management fees were \$94,583 and \$105,757 for the years ended June 30, 2016 and 2015, respectively. \$65,241 and \$83,142 were incurred by the PRIM Board for the years ended June 30, 2016 and 2015, respectively, and the remaining investment management fees were incurred by the single-member limited liability corporations that are consolidated into the PRIT Fund.

All domestic, international, and emerging market equity managers are paid a base fee calculated as a percentage of either current net assets under management or an agreed-upon funded amount, typically equal to the amount of original and subsequent funding. In certain cases, this is subject to periodic revision. Base fees are paid quarterly. In addition, some active (nonindexed) equity managers are eligible to receive a performance fee. Such fees are earned annually by those managers whose annualized three-year performance exceeds the contractual benchmark by a specified minimum amount.

Fixed income managers are generally paid a quarterly asset-based fee. Certain managers are eligible for a performance fee.

Fees for private equity investments are typically a percentage of committed capital with the fee percentage decreasing over time. In addition, the general partners (investment managers) of private equity limited partnerships are allocated additional profit, known as carried interests, based on the net gains generally above a specified hurdle rate, on realized partnership investments.

The LLC's investment management fees generally consist of a base fee and a performance fee. Base fees are calculated and paid monthly. Performance fees are paid every two years to managers who out-perform their respective hurdle rates.

Timberland investment management fees consist of a base fee and a performance fee component and are calculated and paid similar to the LLC's investment management fees; however, performance fees are paid every three years.

Hedge fund-of-funds investment managers are paid base fees, which are calculated and paid quarterly.

Fees for direct hedge fund and portfolio completion strategies investments generally consist of a base fee and a performance fee based on return.

The majority of investment management fees for private equity and distressed debt investments are charged by the general partners to the investment partnerships and not to the limited partner investors directly. All investment management fees for hedge funds and commingled account investments are charged to the respective investments. Base investment management fees for investments in real estate properties and timber are charged against the respective investments. Therefore, the fair values of these investments are reported net of "indirect" management fees.

## (b) Investment Advisory Fees

NEPC, LLC, Callan Associates, Aberdeen Asset Management Inc., Hamilton Lane, and The Townsend Group served as the PRIM Board's principal investment advisors in fiscal year 2016. NEPC, LLC served as the asset allocation advisor, Callan Associates served as the public markets advisor, Aberdeen Asset Management Inc. provided hedge fund advisory services, Hamilton Lane served as the private equity advisor, and The Townsend Group provided real estate and timberland advisory services. These investment advisors, among others, provided the PRIM Board with comprehensive investment advisory services, including recommendations on asset allocation, selection of investment managers, and the monitoring of performance of the PRIT Fund and its individual investment managers.

For the years ended June 30, 2016 and 2015, as compensation for their services, investment advisors earned fees aggregating \$5,935 and \$4,161, respectively, and are included in investment management and other management fees in the accompanying statements of changes in pooled net position.

### (c) Custodian Fees

BNY Mellon is the investment custodian and record keeper for the PRIT Fund. BNY Mellon records all daily transactions, including investment purchases and sales, investment income, expenses, and all participant activity for the PRIT Fund. BNY Mellon also provides portfolio performance analysis each month for the PRIT Fund.

For the years ended June 30, 2016 and 2015, custodian fees were \$805 and \$674, respectively, and are included in investment management and other management fees in the accompanying statements of changes in pooled net position.

#### (d) Other Administrative Fees

For the years ended June 30, 2016 and 2015, other administrative expenses of the PRIM Board, including employee compensation, professional fees and occupancy costs, charged to the PRIT Fund totaled \$10,806 and \$10,561, respectively, and are included in investment management and other management fees in the accompanying statements of changes in pooled net position.

### (9) Commitments

As of June 30, 2016 and 2015, the PRIT Fund had outstanding unfunded commitments to invest approximately \$5.4 billion and \$5.2 billion, respectively, in distressed debt, private equity funds, hedge funds, and real estate investments.

# Schedule of Pooled Net Position – Capital Fund and Cash Fund June 30, 2016

(Dollars in thousands)

_	Capital Fund	Cash Fund	Total
Assets:			
Investments, at fair value:			
Short-term \$	1,110,465	93,705	1,204,170
Fixed income	14,046,001	=	14,046,001
Equity	24,907,679	_	24,907,679
Timberland	2,003,805	_	2,003,805
Private equity funds	6,661,690	_	6,661,690
Real estate:	0,001,030		0,001,030
Real estate properties	6,021,497	_	6,021,497
Equity	1,484,402	_	1,484,402
Real estate funds	208,110	_	208,110
Other	45,066		45,066
- Curier	7,759,075		7,759,075
Hedge funds:	1,139,013	_	1,139,013
Investment funds	3,664,988		3,664,988
Equity	1,078,035	_	1,078,035
Cash and cash equivalents	618,269		618,269
Fixed income	•	_	,
Other	563,834	_	563,834
Other -	130,825	<del>_</del>	130,825
Deutfelie erweletien startenien	6,055,951	<del>-</del>	6,055,951
Portfolio completion strategies:	224 702		224 702
Cash and cash equivalents	221,703	_	221,703
Investment funds	221,575	_	221,575
Equity	170,824	_	170,824
Other	115,499	_	115,499
Fixed income	19,601		19,601
<u>.</u>	749,202		749,202
Total investments	63,293,868	93,705	63,387,573
Cash	221,028	_	221,028
Securities lending collateral	622,640	_	622,640
Interest and dividends receivable	164,768	106	164,874
Receivable for investments sold and other assets	101,228	_	101,228
Securities sold on a when-issued basis	295,967	_	295,967
Foreign currency forward contracts	62,409	_	62,409
Total assets	64,761,908	93,811	64,855,719
Liabilities:	_	_	
Payable for investments purchased and other liabilities	170,744	_	170,744
Real estate debt and other liabilities	1,450,193	_	1,450,193
Securities lending obligations	622,487	_	622,487
Securities purchased on a when-issued basis	755,796	_	755,796
Foreign currency forward contracts	36,752	_	36,752
Management fees payable to PRIM	28,887	_	28,887
Hedge funds liabilities:			
Securities sold short, at fair value	972,953	_	972,953
Other	125,102	_	125,102
	1,098,055		1,098,055
Total liabilities	4,162,914	<u> </u>	4,162,914
Net position held in trust for pool			
participants \$	60,598,994	93,811	60,692,805

See accompanying independent auditors' report.

# Schedule of Changes in Pooled Net Position – Capital Fund and Cash Fund Year ended June 30, 2016 (Dollars in thousands)

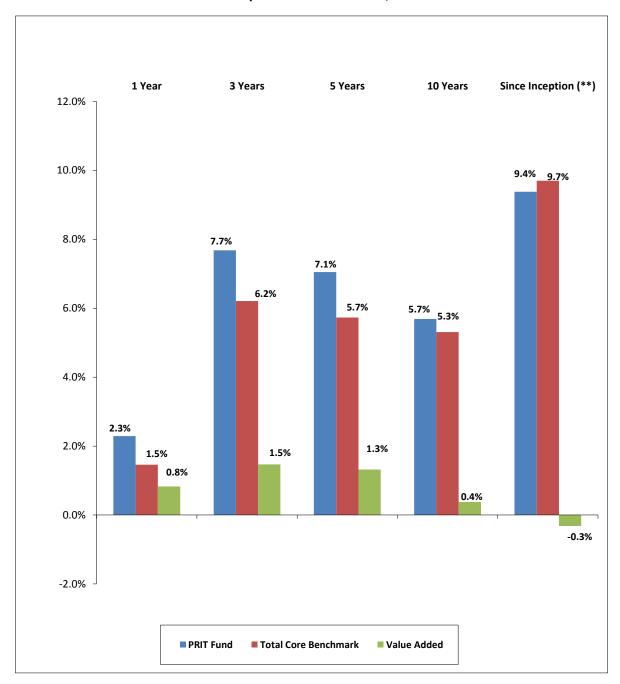
	Capital Fund	Cash Fund	Total
Additions:			
Contributions:			
State employees	\$ -	727,147	727,147
State teachers	_	752,835	752,835
Other participants	_	922,092	922,092
Total contributions	_	2,402,074	2,402,074
Net investment income:			
From investment activities:			
Net realized gain on investments and			
foreign currency transactions	1,420,910	_	1,420,910
Net change in unrealized depreciation on investments	(4.660.450)		(4.660.450)
and foreign currency translations	(1,668,459)	720	(1,668,459)
Interest income Dividend income	287,805 688,955	730	288,535 688,955
Timberland income	684	_	684
Private equity income	147,228	_	147,228
Hedge funds income	12,136	_	12,136
Portfolio completion strategies income	3,537	_	3,537
Real estate:	3,557		3,337
Income	523,069	_	523,069
Expenses	(224,147)		(224,147)
	298,922		298,922
Income from investment activities	1,191,718	730	1,192,448
Investment management and other management fees	(112,129)		(112,129)
Net income from investment activities	1,079,589	730	1,080,319
From securities lending activities:			
Securities lending income	12,927	_	12,927
Securities lending expenses	(1,575)		(1,575)
Net income from securities lending activities	11,352	_	11,352
Total net investment income	1,090,941	730	1,091,671
Total additions	1,090,941	2,402,804	3,493,745
Deductions:			
Redemptions:			
State employees	_	1,452,096	1,452,096
State teachers	_	1,667,879	1,667,879
Other participants		924,710	924,710
Total deductions	_	4,044,685	4,044,685
Interfund transfers (out) in, net	(1,666,264)	1,666,264	
Net increase (decrease) in pooled net position Net position held in trust for pool participants:	(575,323)	24,383	(550,940)
Balance, beginning of year	61,174,317	69,428	61,243,745
Balance, end of year	\$ 60,598,994	93,811	60,692,805

See accompanying independent auditors' report.

# **Investment Section**

# **Total PRIT Fund Performance Summary (\*)**

For the periods ended June 30, 2016



- (\*) Gross of Fees. Total PRIT Fund includes the Core Fund and Cash Fund. Returns are annualized and calculated based on a time-weighted rate of return methodology.
- (\*\*) Performance inception date of January 1, 1985

## **Investment Strategy Overview**

The PRIT Fund was formed in December 1983 with a mandate to accumulate assets through investment earnings to reduce the Commonwealth of Massachusetts' unfunded pension liability and, further on, to assist local participating retirement systems in meeting their future pension obligations. The PRIM Board is charged with the general oversight of the PRIT Fund. The PRIM Board seeks to maximize the return on investments within acceptable levels of risk by broadly diversifying its investment portfolio, capitalizing on economies of scale to achieve cost-effective operations, and gaining access to high quality, innovative investment management firms, all under the management of a professional staff and members of the PRIM Board. The PRIM Board's overall investment performance goal is to achieve an annual rate of return that exceeds the targeted actuarial rate of return used in determining the Commonwealth of Massachusetts' pension obligations (currently 7.5%). A summary of other investment objectives is provided in the Investment Policy Statement at the end of this section.

As of June 30, 2016, the PRIM Board employed thirty-one public markets investment managers, one hundred three private equity markets managers, twelve real estate and timberland managers, one hedge fund-of-funds manager, twenty-four direct hedge fund managers, five portfolio completion strategies managers, and five external investment advisors. The PRIT Fund had approximately \$60.7 billion in assets under management at June 30, 2016. Each investment manager operates within guidelines that are established by the PRIM Board and are delineated in a detailed investment management agreement or partnership agreement.

The PRIT Fund's net investment portfolio fair values reported in this section and used as a basis for calculating investment returns differ from those shown in the Financial Section and the Financial Highlights in the Statistical Section of this report. The values used in this section are the appropriate industry standard basis for investment return calculations and are net of all investment receivables and payables. Unless otherwise noted, all return information provided is gross of fees. In addition, "PRIT Core" return information refers to returns for the PRIT Capital Fund. PRIT Core return information excludes the impact of the Cash Fund on the total PRIT Fund return.

### **Asset Allocation and Diversification Discussion**

The Investment Policy Statement adopted by the PRIM Board in September 1998 and subsequently updated in December 2014 states that over the long-term, asset allocation is the single greatest contributor of return and risk to the PRIT Fund. At reasonable intervals of not more than three to five years, the PRIM Board will complete a comprehensive review of its Asset Allocation Plan and its underlying assumptions, including: the Commonwealth's current and projected pension assets and liabilities; long-term capital markets rate of return assumptions; and the PRIM Board's risk tolerances. The PRIM Board shall examine the Asset Allocation Plan annually, and shall consider adjustments to the Plan as may be appropriate given the Plan's long-term nature and objectives. The PRIM Board's last comprehensive review of the PRIT Fund asset allocation was conducted during fiscal year 2014.

Asset Class	6/30/2016 Allocation % (3)	Long-Term Policy Target % (1)
Global Equity	42.3	40.0
Core Fixed Income	13.9	13.0
Value-Added Fixed Income	8.4	10.0
Real Estate	10.4	10.0
Private Equity	11.1	10.0
Timberland	3.3	4.0
Hedge Funds	8.6	9.0
Portfolio Completion Strategies	1.2	4.0
Overlay (2)	0.5	0.0
Liquidating Portfolios (2)	0.3	0.0

- (1) Asset allocation approved February 2, 2016.
- (2) These asset classes do not have target % because they are not components of the long-term policy target asset allocation.
- (3) Totals may not add due to rounding.

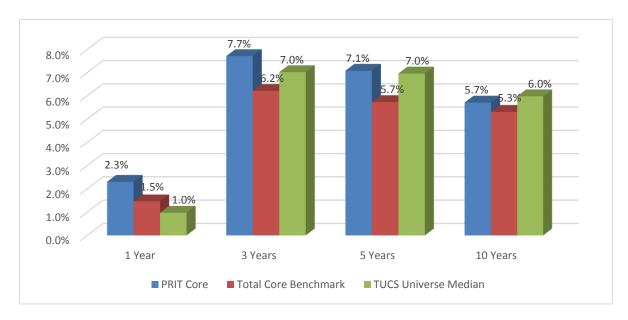
In addition to asset allocation, the PRIM Board seeks to diversify the PRIT Fund through a complementary diversification of investment styles within various asset classes. The PRIM Board requires detailed investment guidelines with each investment manager to ensure portfolios are managed with appropriate diversification and risk control.

## **Income and Expense Allocation**

Income earned and expenses incurred in each investment account are allocated to retirement systems based on each individual retirement system's share of ownership in each investment account. Expenses are classified in three categories for purposes of allocation to retirement systems: 1) investment management fees, 2) investment advisory fees, and 3) operational fees. Investment management fees are those directly associated with the investment management of a certain account. Investment advisory fees are fees that are either directly associated with an individual asset class, or, for general advisors, are allocated pro-rata based on net asset values of each asset class. Operational fees are custodian and other administrative expenses incurred by the PRIM Board in managing the PRIT Fund and are allocated pro-rata based on net asset values of each asset class.

### **PRIT Core Performance: Fiscal Year 2016**

Returns are calculated based on a time-weighted rate of return methodology. PRIT Core Returns (gross of fees) and benchmarks for the periods ended June 30, 2016:



In the fiscal year 2016, the PRIT Core Fund returned 2.30%, outperforming the Total Core benchmark return of 1.46% by 84 basis points. The PRIT Fund began fiscal year 2016 with net position of \$61.2 billion and ended with \$60.7 billion. On a gross basis the fund decreased \$550.9 million, which is the result of \$1.1 billion in net investment income along with \$1.6 billion in net redemptions from the State Employees, State Teachers' and Participant accounts.

The quarterly returns of the PRIT Core Fund in fiscal year 2016 were as follows:

- -3.79% for September 30, 2015 versus a benchmark return of -4.81%.
- 2.40% for December 31, 2015 versus a benchmark return of 2.16%.
- 0.40% for March 31, 2016 versus a benchmark return of -1.00%.
- 1.89% for June 30, 2016 versus a benchmark return of 2.52%.

The PRIT Fund seeks to outperform its three benchmarks in both up and down markets. In order of priority, these benchmarks are as follows: 1) beating the actuarial rate of return assumption of 7.5%; 2) exceeding the long-term Total Core Benchmark, which measures how well the PRIT Fund has implemented its asset allocation; and 3) achieving top quartile rankings in the TUCS report, which measures the PRIT Fund's investment performance against its peers nationwide. Through June 30, 2016, the PRIT Core Fund returned 9.33% since inception, outperforming the actuarial rate of return of 7.5% by 183 basis points. According to the TUCS ranking, the PRIT Fund's performance ranked in the top quartile of all U.S. Public Pension Funds over \$1 billion in size for the one and three-year periods ending June 30, 2016.

## **Management Costs**

Expenses incurred by the PRIM Board in managing the PRIT Fund are charged to the PRIT Fund. These expenses consist of investment management fees, advisory fees, custodian fees, professional fees, salaries and administrative expenses of the PRIM Board.

The PRIM Board tracks two types of fees: 1) direct fees and 2) indirect fees. Direct fees are fees the PRIM Board pays directly to vendors for services rendered. These fees include most investment management fees, advisory fees, custodian fees, and salaries and administrative expenses of the PRIM Board. Indirect fees are expenses typically incurred when investing in partnerships or other commingled investment vehicle structures, such as private equity funds, hedge funds, real estate, timberland, and other commingled funds. Indirect management fees incurred in these funds are charged to the respective investments. The fair value of these investments are reported net of indirect management fees.

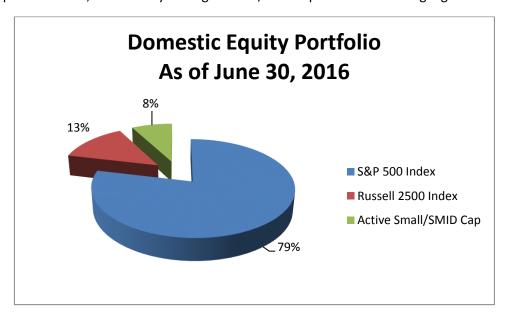
The PRIM Board's investment managers operate with formal contracts. Investment management fees accounted for approximately 78.1% of the PRIM Board's total direct expenses for fiscal 2016. The PRIM Board also contracts with a custodian and investment advisors. Fees to these providers were approximately 8.1% of the PRIM Board's total expense for fiscal year 2016.

Project SAVE which stands for "Strategic Analysis for Value Enhancement" was launched in 2013. The mission of this effort is to seek "value enhancement" for the PRIM Board, in terms of cost savings and return enhancements. The PRIM Board has successfully completed the first phase of Project SAVE, and since its launch, Project SAVE has realized over \$120 million in value enhancement initiatives. The PRIM Board continues to monitor the portfolio and processes for value enhancing opportunities and has begun research on the next phase of Project SAVE.

The total cost of managing the PRIT Fund for fiscal year 2016, *inclusive* of investment management (direct and indirect), advisory, custodial and overhead charges remained unchanged at 53 basis points of the average net asset value of the PRIT Fund compared to fiscal year 2015. For information on expense ratios for each investment account, refer to the *Financial Highlights and Financial Highlights Ratios* on pages 104-110 included in the Statistical Section of this report.

## **Domestic Equity Portfolio**

As of June 30, 2016, the Domestic Equity portfolio had approximately \$11.4 billion in net assets, which represented 18.7% of the PRIT Fund. Approximately 79% of the domestic equity portfolio is invested utilizing a large capitalization equity strategy (large cap) with the remaining 21% invested in small and middle capitalization equity strategies (small/smid cap). In the view of the PRIM Board, the overall domestic equity portfolio is highly diversified and balanced. The allocation between passively managed large cap investments, passively managed small/smid cap investments, and actively managed small/smid cap investments is highlighted below.



During the fiscal year, the Russell 2500 Index portfolio and three of the four active small/smid capitalization managers outperformed their benchmarks. The S&P 500 Index portfolio and one active small/smid capitalization manager underperformed their respective benchmarks. As of fiscal year end, the weighting of Domestic Equity was 44.3% of the Global Equity portfolio.

**Style Neutrality.** Because different styles (i.e. growth-oriented versus value oriented stocks) of investment management are favored in different economic and market environments, and because of the Board's long-term perspective, the Board seeks to maintain a style-neutral portfolio.

**Portfolio Risks**. Although historically long-term returns in equity investments have exceeded all other public market asset classes (i.e. fixed income and cash), as evidenced by the recent years, there is no guarantee that this trend will continue or that investment in the short-term or long-term will produce positive results. Prices may fluctuate based on changes in a company's financial condition and on overall market and economic conditions. Smaller companies are especially sensitive to these factors. There is a significant risk of loss of principal due to market and economic conditions.

**Portfolio Returns.** For the fiscal year, the portfolio produced a 1.64% return compared to 2.23% for the portfolio benchmark. The PRIT Fund's large cap managers returned 3.51% compared to the 3.99% return of the large cap benchmark S&P 500 index. The PRIT Fund's small/smid cap managers returned -5.08% compared to the -4.25%

return of the small/smid cap benchmark which is calculated by applying the investment performance of the sub asset class benchmarks to the sub asset class weights within the small/smid cap equity portfolio.

On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's Domestic Equity portfolio has returned 10.67%, 11.40%, and 6.06%, respectively, compared to the benchmark, which returned 10.98%, 11.54%, and 6.96%, respectively.

The top ten holdings in the Domestic Equity portfolio at June 30, 2016 are illustrated below. A complete listing of holdings is available upon request.

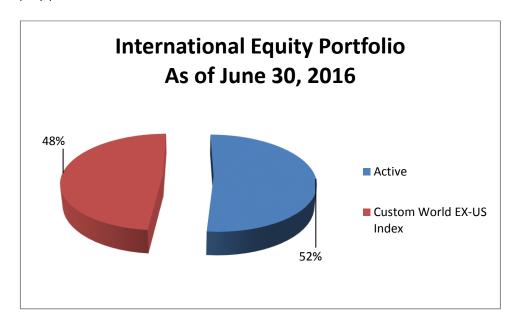
				% of Account
#	Issue Name	Fair	Value (\$000s)	Fair Value
1	Apple Inc.	\$	259,025	2.28%
2	Microsoft Corp.		199,240	1.75%
3	Exxon Mobil Corp.		191,635	1.69%
4	Johnson & Johnson		164,768	1.45%
5	General Electric		143,284	1.26%
6	Amazon.com Inc.		137,036	1.21%
7	Berkshire Hathaway Inc.		133,533	1.18%
8	AT&T Inc.		131,685	1.16%
9	Facebook Inc.		130,782	1.15%
10	JPMorgan Chase & Co.		112,261	0.99%
	TOTAL	\$	1,603,249	14.12%

The PRIT Fund's Domestic Equity managers at June 30, 2016 are presented in the following table:

			io Fair Value at
Manager	<b>Investment Mandate</b>	June 30	0, 2016 (\$000s)
State Street Global Advisors	S&P 500 Index	\$	8,943,192
State Street Global Advisors	Russell 2500 Index		1,532,539
Frontier Capital Management	Small Cap Value		262,499
Huber Capital	Small Cap Value		218,163
Riverbridge Partners	SMID Cap Growth		165,495
Summit Creek Advisors	Small Cap Growth		239,173
Other portfolio net assets			(1,315)
Total Portfolio Fair Value		\$	11,359,746

## **International Equity Portfolio**

As of June 30, 2016, the International Equity portfolio had approximately \$10.0 billion in net assets, representing 16.5% of the PRIT Fund. The active international equity managers are benchmarked against the Custom MSCI EAFE Net Dividends index (Custom MSCI EAFE), whose name is derived from the geographical areas of inclusion – Europe, Australia and the Far East. The International Equity portfolio is allocated to one passively managed account (which comprises 48% of the portfolio) and four actively managed accounts (52% of the portfolio). The passive manager is benchmarked against the Custom World ex-U.S. Investable Market Index – Net dividends (Custom World ex-U.S. IMI). The PRIM Board maintains a target weighting of 50% passive and 50% active for the International Equity portfolio.



The primary strategy for this portfolio is investing in companies in developed markets, industrialized nations outside of the United States, including, but not limited to, Japan, Germany, the United Kingdom, France, Italy, Switzerland, Hong Kong, Canada, and Australia. As of fiscal year-end, the weighting of International Equity was 39.1% of the Global Equity portfolio.

**Portfolio Risks**. Investing in developed markets outside of the United States carries additional risks as compared to U.S. domestic investments. The added risks are primarily associated with currency, higher trading and settlement cost, and less stringent investor protections and disclosure standards.

**Portfolio Returns.** For the fiscal year ending June 30, 2016, the International Equity portfolio returned -7.69% compared to the asset class benchmark return (50% Custom MSCI EAFE/50% Custom World ex-U.S. IMI at 6/30/2016) of -9.96%. All of the PRIT Fund's four active international equity managers outperformed the Custom MSCI EAFE index for the fiscal year. The passive manager outperformed the Custom World ex-U.S.IMI index for the fiscal year. Over the longer-term, PRIT's international equity managers continue to add value over the asset class benchmark. On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's international equity managers posted returns of 3.76%, 3.28%, and 2.86%, respectively, ahead of the benchmark, which returned 2.30%, 1.42%, and 1.66%, respectively, over the same periods.

The top ten holdings in the International Equity portfolio at June 30, 2016 are illustrated below. A complete listing of holdings is available upon request.

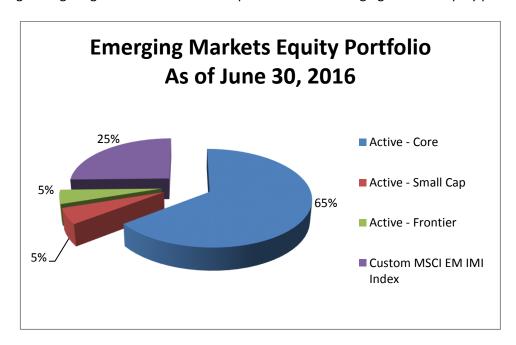
				% of Account
#	Issue Name	Fair	Value (\$000s)	Fair Value
1	Nestle SA	\$	153,156	1.53%
2	Roche Holding AG		116,474	1.16%
3	Novartis AG		106,817	1.07%
4	Novo Nordisk A/S		106,250	1.06%
5	Unilever PLC		100,542	1.00%
6	BP PLC		85,899	0.86%
7	Kao Corp.		84,465	0.84%
8	GlaxoSmithKline PLC		67,227	0.67%
9	Sanofi		66,742	0.67%
10	Toyota Motor Corp		66,275	0.66%
	TOTAL	\$	953,847	9.54%

The PRIT Fund's International Equity managers at June 30, 2016 are presented in the following table:

		Portfol	io Fair Value at
Manager	Investment Mandate	June 30	0, 2016 (\$000s)
State Street Global Advisors	Custom World ex-US IMI Index	\$	4,858,041
Marathon-London	Custom MSCI EAFE		2,366,576
Baillie Gifford	Custom MSCI EAFE		1,861,593
Mondrian Investment	Custom MSCI EAFE		828,050
FIS Group, Inc.	Custom MSCI EAFE		103,028
Other portfolio net assets			1,158
Total Portfolio Fair Value		\$	10,018,446

## **Emerging Markets Portfolio**

As of June 30, 2016, the Emerging Markets Equity portfolio had approximately \$4.3 billion in net assets, representing 7.0% of the PRIT Fund. The active emerging markets core equity managers are benchmarked against the Custom MSCI Emerging Markets Standard Index – Net Dividends (Custom MSCI Emerging Markets Standard). The active emerging markets small cap equity managers are benchmarked against the Custom MSCI Emerging Markets Small Cap) while the passive account is benchmarked against the Custom MSCI Emerging Markets Investable Market Index - Net Dividends (Custom MSCI Emerging Markets IMI). The active frontier market equity managers are benchmarked against the Custom MSCI Frontier Markets 15% Country Capped Net Dividends Index (Custom MSCI Frontier Markets 15% Country Capped). The emerging markets equity portfolio is allocated to five active core equity managers (which comprise about 65% of the emerging market portfolio), two active small cap equity managers (5% of the portfolio), two frontier equity managers (5% of the portfolio), and one passive manager (25% of the portfolio). The PRIM Board maintains a target weighting of 75% active and 25% passive for the Emerging Markets Equity portfolio.



The primary strategy for this portfolio is investing in companies in developing countries, including, but not limited to, China, Brazil, Russia, South Korea, Taiwan, India and Turkey. These countries typically have less efficient securities markets, and thus there is opportunity for substantial returns. As of fiscal year end, the weighting of Emerging Markets Equity was 16.6% of the Global Equity portfolio.

**Portfolio Risks**. Investing in emerging markets carries risks above and beyond those inherent to domestic and developed international equity markets. Emerging markets tend to be less efficient than both U.S. and non-U.S. developed markets, and therefore, are more volatile. In addition to the added volatility, and those risks mentioned in association with investments in developed international equity markets, emerging market investments are subject to economic and political risks; exchange control regulation; expropriation; confiscatory taxation; and social instability.

**Portfolio Returns.** For the fiscal year, the Emerging Markets Equity portfolio returned -9.52% compared to the custom asset class benchmark return of -12.10%. Four of the PRIT Fund's five active emerging markets core equity managers outperformed the Custom MSCI Emerging Markets Standard index. The passive manager outperformed the Custom MSCI Emerging Markets IMI index. The PRIT Fund's two active emerging markets small cap equity managers outperformed the MSCI Emerging Markets Small Cap index for the fiscal year. The two active frontier equity managers outperformed the Custom MSCI Frontier Markets Country Capped index. On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's emerging markets equity managers posted returns of -0.95%, -3.07%, and 2.97%, respectively, compared to the custom asset class benchmark, which returned -1.25%, -3.40%, and 3.75% over the same periods.

The top ten holdings in the Emerging Markets Equity portfolio at June 30, 2016 are illustrated below. A complete listing of holdings is available upon request.

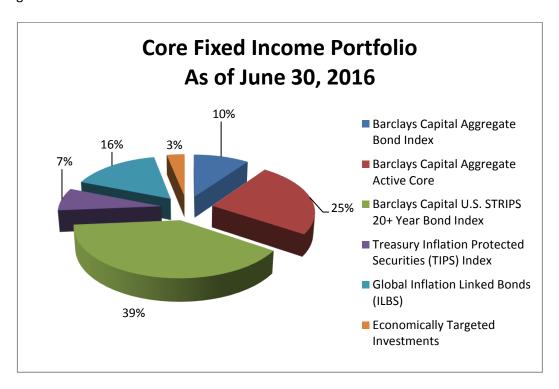
		N	larket Value	% of Account
#	Issue Name		(\$000s)	Fair Value
1	Tencent Holdings Ltd	\$	120,431	2.82%
2	Tawain Semiconductor Mfg. Co.		100,591	2.36%
3	Samsung Electronics		96,812	2.27%
4	Alibaba Group Holding Ltd		68,720	1.61%
5	Naspers Ltd		55,812	1.31%
6	China Mobile		53,840	1.26%
7	Hon Hai Precision Industry Co.		51,601	1.21%
8	Baidu Inc.		43,961	1.03%
9	China Construction Bank		32,471	0.76%
10	Samsung Electronics, preferred shares		30,956	0.73%
	TOTAL	\$	655,195	15.36%

The PRIT Fund's Emerging Markets Equity managers at June 30, 2016 are presented in the following table:

		Portfolio Fair Value at
Manager	Investment Mandate	June 30, 2016 (\$000s)
State Street Global Advisors	Custom MSCI EM IMI Index	\$ 1,082,269
AQR Emeging	EM Core	552,964
Baillie Gifford	EM Core	602,929
Driehaus Capital	EM Core	587,845
Harding Loevner	EM Core	431,093
Pzena Investment Management, LLC	EM Core	578,935
Wasatch	EM Small Cap	97,206
Acadian	EM Small Cap	129,036
Acadian	Frontier	104,174
City of London	Frontier	96,362
Other portfolio net assets		1,473
Total Portfolio Fair Value		\$ 4,264,286

#### **Core Fixed Income Portfolio**

The PRIM Board had approximately \$8.4 billion invested in the investment grade Core Fixed Income portfolio, representing 13.9% of the PRIT Fund as of June 30, 2016. The Core Fixed Income Portfolio is invested using the following strategies:



The Core Fixed Income portfolio is benchmarked to the Barclays Capital Aggregate Bond Index for core fixed income securities, the Barclays Capital U.S. STRIPS 20+ Year Bond Index for STRIPS securities, the Barclays Capital US TIPS Index for U.S. TIPS securities, and the Barclays Capital Inflation Linked Bond US\$ Hedged Index for the Global Inflation Linked Bonds (ILBs).

The Barclays Capital Aggregate Index replicates the investment grade bond market. The index is comprised of corporate, government, and mortgage-backed securities. The index portfolio is designed to approximate the performance of the Barclays Capital Aggregate Bond Index, while the active managers' mandate is to exceed the index return. The Core Fixed Income portfolio is designed to reduce the long-term volatility of the total PRIT Fund.

The Core Fixed Income portfolio also contains investments with three managers under the PRIM Board's Economically Targeted Investment (ETI) program, which are benchmarked against the Barclays Capital Aggregate Index. Further discussion on the PRIT Fund's ETI program is included in the Investment Policy Statement at the end of this section. The allocations to TIPS and to the ILBs strategy are designed to provide hedges against rises in inflation. The STRIPS portfolio is designed to approximate the performance of the Barclays U.S. STRIPS 20+ Year Bond Index and to lower overall volatility of the total PRIT Fund.

**Portfolio Risks.** As in the case of equities, the prices of fixed income securities increase and decrease in value. Price fluctuations in bonds result from rising and falling interest rates, changes in market conditions, and other economic and political developments. The portfolio is subject to credit risk through defaults on bonds and other fixed income securities. Erosion in principal value can result from credit risk and price fluctuations, and can adversely affect portfolio returns.

**Portfolio Returns.** For the fiscal year 2016, the Core Fixed Income composite returned 14.69% compared to the 15.03% return of the benchmark (38.5% Barclays Capital Aggregate/38.5% Barclays Capital U.S. STRIPS 20+ Year Bond Index /7.6% Barclays Capital US TIPS/15.4% Barclays Capital ILB US\$ Hedged as of 6/30/2016). The Barclays Capital Aggregate mandates returned 5.69%, compared to the Barclays Capital Aggregate Index return of 6.00%. The STRIPS mandate returned 30.06%, compared to the Barclays Capital U.S. STRIPS 20+ Year Bond Index return of 29.90%. The passively managed TIPS mandate returned 4.41%, compared to its benchmark (Barclays Capital US TIPS) which returned 4.35%. The actively managed ILBs mandate returned 6.17%, compared to the Barclays Capital ILB US\$ Hedged Index return of 7.39%.

On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's Core Fixed Income portfolio has returned 8.29%, 6.47%, and 6.23%, respectively, compared to the benchmark, which returned 8.13%, 6.19%, and 5.93%, respectively.

The top ten Core Fixed Income holdings as of June 30 2016, excluding TIPS investments and certain pooled funds, are illustrated below. A complete listing of holdings is available upon request.

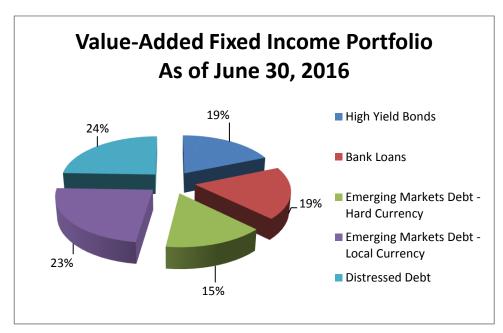
				% of Account
#	Issue Name	Fair \	/alue (\$000s)	Fair Value
1	U.S. Treasury Bond Principal STRIP 0.000% May 2043	\$	303,690	3.61%
2	U.S. Treasury Bond Principal STRIP 0.000% November 2042		251,498	2.99%
3	U.S. Treasury Bond Principal STRIP 0.000% February 2045		191,798	2.28%
4	U.S. Treasury Bond Principal STRIP 0.000% February 2043		184,882	2.20%
5	U.S. Treasury Bond Principal STRIP 0.000% November 2039		173,760	2.07%
6	U.S. Treasury Bond Principal STRIP 0.000% February 2040		160,497	1.91%
7	U.S. Treasury Bond Principal STRIP 0.000% May 2044		158,191	1.88%
8	U.S. Treasury Bond Principal STRIP 0.000% November 2043		150,500	1.79%
9	U.S. Treasury Bond Principal STRIP 0.000% May 2040		141,128	1.68%
10	Commit to Purchase FNMA 3.500% July 2046		133,794	1.59%
	TOTAL	\$	1,849,738	22.01%

The PRIT Fund's Core Fixed Income portfolio managers at June 30, 2016 are presented in the following table:

		Portfolio Fair Value at June 30, 2016 (\$000s)		
Manager	<b>Investment Mandate</b>			
Blackrock Financial Management	Core Index	\$	830,484	
Loomis, Sayles & Co., LP	Active Core		1,124,416	
PIMCO	Active Core		826,086	
Progress Investment Management	Active Core		104,965	
Blackrock Financial Management	Inflation Link Bonds		1,326,912	
Blackrock Financial Management	STRIPS Index		3,303,991	
Blackrock Financial Management	TIPS Index		620,938	
AFL - CIO Housing Investment	ETI		131,047	
Access Capital	ETI		106,198	
Community Capital Management	ETI		29,046	
Other portfolio net assets			42	
Total Portfolio Fair Value		\$	8,404,125	

### Value-Added Fixed Income Portfolio

The PRIM Board had approximately \$5.1 billion invested in the Value-Added Fixed Income portfolio, representing 8.4% of the PRIT Fund as of June 30, 2016. The Value-Added Fixed Income portfolio is invested using the following strategies:



High yield bonds, which represent 1.6% of the PRIT Fund, are securities that are typically rated below Investment Grade by Standard & Poor's, Fitch or Moody's. These bonds are issued by companies without long track records of sales or earnings, or by those with questionable credit strength. This strategy also includes bonds that were Investment Grade at time of issue but have since declined in quality to below Investment Grade, referred to as "Fallen Angels". Despite the below Investment Grade rating, the PRIM Board's managers have successfully constructed portfolios and selected securities of high yield bonds to generate substantial returns and to mitigate risk by managing the expected default rate. There are three managers in the PRIT Fund high yield bond program, all through separate accounts.

**Bank Loans**, 1.6% of the PRIT Fund, represents investments in senior secured bank loans. There are two managers in the PRIT Fund bank loan program; both invest through commingled funds.

**Emerging markets debt**, 3.3% of the PRIT Fund, represents investments in debt issued within the emerging marketplace. There are five managers in the PRIT emerging debt program, representing both Hard Currency and Local Currency strategies; one is through a commingled emerging debt investment vehicle while the others are through separate accounts.

**Distressed debt**, 2.1% of the PRIT Fund, represents investments in private partnerships that invest directly in distressed debt investment opportunities. As at June 30, 2016 the PRIT Fund had approximately \$1.3 billion in distressed debt investments with twelve investment managers.

Portfolio Risks. As in the core fixed income portfolio, the prices of these securities increase and decrease in value. Price fluctuations in bonds result from rising and falling interest rates, changes in market conditions, and other economic and political developments. Lower-quality securities typically offer higher yields, but also carry more credit risk. The allocation of investments to emerging markets and distressed debt expose the portfolio to additional risks. Investments in emerging markets are subject to higher settlement, trading and management costs and greater economic, regulatory and political risk, as well as currency risk. Investments in private distressed debt funds subject the portfolio to liquidity, valuation and other risks associated with private investments.

**Portfolio Returns:** In fiscal year 2016, the Value-Added Fixed Income composite returned 1.04% compared to -5.75% for the asset class benchmark. The PRIT Fund's three high yield bond managers returned 1.03%, while the Merrill Lynch High Yield Master II Constrained index returned 1.74%. The Emerging Markets Debt Hard Currency portfolio returned 9.52% during the fiscal year, compared to the JP Morgan Emerging Markets Bond Index (JPM EMBI Global Index), which returned 10.32%. The Emerging Markets Debt Local Currency portfolio, managed by three managers, returned 1.83%, compared to the JP Morgan GBI Emerging Markets Global Diversified index return of 1.99%. The two bank loan managers, returned 1.99%, outperforming the S&P LSTA Leveraged Loan index return of 0.94%. The Distressed Debt portfolio returned -5.16% compared to the index return of -27.69%. The benchmark for the Distressed Debt portfolio is the Altman NYU Salomon Center Combined Defaulted Public Bond & Bank Loan Index.

On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's Value-Added Fixed Income portfolio has returned 2.67%, 3.85%, and 7.15%, respectively, compared to the benchmark, which returned -1.37%, 1.33%, and 5.30%, respectively.

The top ten holdings in the Value-Added Fixed Income portfolio at June 30, 2016, excluding investments in emerging debt pooled funds, bank loan funds, distressed debt partnerships and other pooled funds, are illustrated below. A complete listing of holdings is available upon request.

				% of Account
#	Issue Name	Fair	Value (\$000s)	Fair Value
1	Brazil Notas Do Tesouro Nacional 10.000% January 2021	\$	42,060	0.82%
2	South Africa Government Bond 10.500% December 2026		26,497	0.52%
3	Brazil Letras Do Tesouro Nacional 0.000% January 2019		24,192	0.47%
4	Indonesia Treasury Bond 9.000% March 2029		23,950	0.47%
5	Brazil Letras Do Tesouro Nacional 0.000% January 2018		21,065	0.41%
6	Indonesia Treasury Bond 8.375% March 2024		20,201	0.39%
7	Mexican Bonos 10.000% December 2024		19,963	0.39%
8	Brazil Notas Do Tesouro Nacional 10.000% January 2025		19,533	0.38%
9	South Africa Government Bond 7.250% January 2020		19,415	0.38%
10	Indonesia Treasury Bond 7.000% May 2022		17,391	0.34%
	TOTAL	\$	234,267	4.57%

The PRIT Fund's Value-Added Fixed Income portfolio managers at June 30, 2016 are presented in the following table:

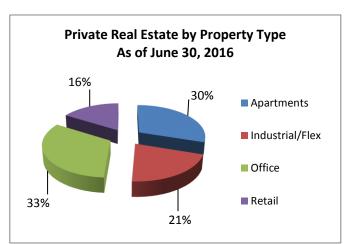
		Portfol	io Fair Value at
Manager	Investment Mandate	June 30	0, 2016 (\$000s)
Fidelity Management Trust	High Yield Bond	\$	326,971
Loomis, Sayles & Co., LP	High Yield Bond		327,139
Shenkman Capital Management	High Yield Bond		304,191
Ashmore Investment Management	<b>Emerging Markets Debt Hard Currency</b>		425,276
PIMCO	<b>Emerging Markets Debt Hard Currency</b>		333,800
Investec	Emerging Markets Debt Local Currency		365,135
Pictet	Emerging Markets Debt Local Currency		523,847
Stone Harbor	Emerging Markets Debt Local Currency		310,854
Eaton Vance	Bank Loans		477,876
Voya	Bank Loans		473,494
Various partnerships	Distressed Debt		1,235,565
Other portfolio net assets			15,999
Total Portfolio Fair Value		\$	5,120,147

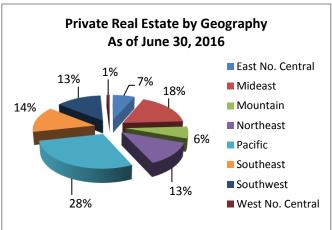
#### **Real Estate Portfolio**

As of June 30, 2016 the PRIM Board had \$6.3 billion invested in real estate through the PRIT Fund's ownership interest in PRIT Core Realty Holdings LLC (the LLC), representing 10.4% of the PRIT Fund. Real estate holdings consist of directly-owned properties, REITs, investments in real estate private equity like funds, and three ETI investments. The PRIT Fund invests in real estate because it provides the PRIT Fund with diversification and attractive returns. Real estate returns typically do not have a strong correlation with stock and bond returns, therefore offering an element of diversification to reduce volatility. Real estate can also offer attractive current returns as a portfolio of well-leased assets provides consistent cash flows from rental income.

Approximately 76% of the real estate allocation is dedicated to direct investments and private partnerships (the "Private Real Estate Investments"). The Private Real Estate Investments are subsequently broken down into Core and Non-Core real estate investments. As of June 30, 2016, \$4.3 billion (net of portfolio debt) of Core real estate investments and \$512 million of Non-Core real estate investments comprise PRIT's Private Real Estate Investments, which represents 7.9% of the PRIT Fund. Typically, Core real estate investments are relatively low risk and substantially leased (80% or greater occupancy at the time of investment) institutional quality real estate. Non-Core real estate investments offer higher potential returns at a higher risk profile. The PRIM Board's Non-Core program targets opportunities associated with development, vacancy and tenant exposure or the potential to physically or financially reposition an investment. Public REITs comprise the remainder of the investments in the PRIT Fund real estate portfolio. As of June 30, 2016 the PRIM Board had approximately \$1.5 billion allocated to public REITs. The public REIT portfolio represents 2.5% of the PRIT Fund.

The following charts display the property type and geographic diversification of the PRIM Board's directly-owned real estate assets, at June 30, 2016:





The PRIM Board's strategies utilize a disciplined portfolio approach to real estate investing that is focused on investments in equity interests in institutional quality real estate. The PRIM Board has established separate accounts with capable real estate investment managers under terms that are beneficial to the PRIM Board. Because the PRIM Board is typically the sole owner of the real estate in each such account, the managers operate under clear policies and guidelines most appropriate to the PRIM Board's investment needs.

Leverage. The PRIM Board approved the Real Estate Portfolio Level Leverage Policy at its April 3, 2012 Board meeting. This policy permits portfolio level debt to be incurred subject to the following policy guidelines: (i) **Debt** Service Coverage: The amount of free cash flow to cover debt service should be no lower than 1.5x at the time debt is placed. In the event the debt service coverage ratio falls to 1.25x, leverage should be reduced to bring the ratio back into compliance with the 1.5x level. This ratio is to be calculated using a one-year trailing measure. (ii) Spread of NOI over Borrowing Rate: The spread of NOI over borrowing interest rate should be no lower than 200 basis points at the time debt is placed. In the event the spread is reduced to 100 basis points, leverage should be reduced until a 200 basis point spread can be achieved. This ratio is to be calculated using a one-year trailing measure. (iii)Loan-to-Value Ratio: The loan-to-value ratio should be no more than 40% of the total portfolio. This ratio would include any property-level financing (on separate account properties or funds, but exclusive of public securities debt) in place as well as the portfolio level facility. The calculation of the loan-to-value ratio will be: total debt/gross asset value of the private portfolio. (iv) Fixed and Floating Interest Rates: The facility may utilize fixed or floating interest rates and may utilize derivatives to achieve these rates. The decision to use fixed or floating rates will be determined at the time of borrowing and will be a function of availability, rate and risk. Fixed rate financing will be the preferred method. (v) Allocation of Debt to Managers: Managers will be allocated capital from the leverage facility at the discretion of staff with Board approval. The debt will be held at the portfolio level and will not affect the performance of the managers. New allocations of capital to the managers will essentially be considered as equity.

In February 2013, the LLC completed a \$1.0 billion portfolio level real estate financing through the issuances of a senior unsecured term loan and senior unsecured notes. At June 30, 2016, the LLC had portfolio level debt of \$1.0 billion and property level debt of \$424.4 million. The LLC was in compliance with the debt covenants at June 30, 2016.

Portfolio Risks. Investments in real estate are subject to various risks, including adverse changes in economic conditions and in the capital markets, financial conditions of tenants, interest of buyers and sellers in real estate properties, environmental laws and regulations, zoning laws, governmental rules, uninsurable losses, and other factors beyond the control of the property owner. In addition, while diversification is an important tool used by the PRIM Board for mitigating risk, there is no assurance that diversification, either by geographic region or asset type, will consistently be maintained in the Core Real Estate Portfolio because of the illiquid nature of real estate. In addition, the portfolio is subject to valuation risk, as the valuation of the assets in this portfolio is based on estimates made by the PRIM Board in coordination with external appraisers and the investment managers. Furthermore, there can be no assurance that the fair value of the portfolio will ultimately correspond to the realized value of the underlying properties. Public REITs face risks similar to the risks of public equities both domestically and internationally since they are traded on public exchanges. They can experience corrections and price movements that are much more rapid than those experienced by private real estate portfolios and the share price can vary significantly from underlying net asset value.

**Performance.** During the fiscal year, the PRIM Board's direct real estate and REIT investments produced strong performance in response to improving employment data, a continued low interest rate environment and strong demand for real estate in core markets.

For the fiscal year 2016, the real estate portfolio returned 12.21%, outperforming the 12.09% return of the asset class benchmark (80% NCREIF Property Index (one quarter lag)/20% FTSE EPRA NAREIT Developed Net Total Return). The Private Real Estate Investments portfolio returned 11.77% for the year ended June 30, 2016,

comparing to the NCREIF Property Index (one quarter lag), which returned 11.84% over the same period. REIT investments returned 12.88%, outperforming its benchmark return of 12.38%.

The Real Estate portfolio returned 12.57% over the past three-years versus the asset class benchmark return of 11.42%. On a five-year basis, returns were 12.09% compared to the benchmark return of 11.49%. On a 10-year basis, the real estate portfolio returned 7.46% compared to the benchmark return of 7.19%.

The PRIT Fund's real estate investment managers at June 30, 2016 are presented in the following table:

Manager	Investment Mandate	Portfolio Fair Value at June 30, 2016 (\$000s)		
Invesco Realty Advisors	Separate Accounts - Core	\$	981,743	
LaSalle Investment Management	Separate Accounts - Core		1,616,988	
AEW	Separate Accounts - Core		790,222	
J.P. Morgan Investment Management	Separate Accounts - Core		816,342	
AEW - Transition Portfolio	Separate Accounts - Core		1,083,439	
Various Non-Core Partnerships	Non-Core		504,007	
Invesco Realty Advisors	Global REITs		291,263	
CenterSquare Investment Management	Global REITs		857,653	
Presima	Global REITs		110,663	
Brookfield Investment Management	Global REITs		232,333	
Canyon Johnson	ETI		998	
Intercontinental	ETI		197	
New Boston	ETI		6,561	
Other portfolio net assets (portfolio debt included)			(989,973)	
Total Portfolio Fair Value		\$	6,302,436	

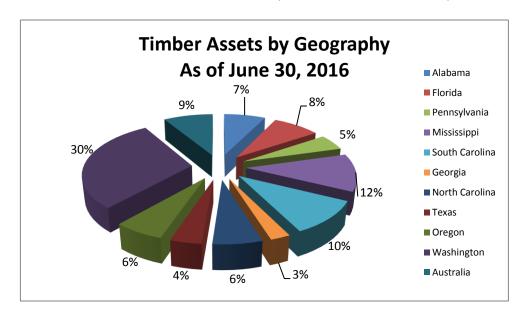
### **Timberland Portfolio**

As of June 30, 2016, the PRIM Board had \$2.0 billion invested in timber, representing 3.3% of the PRIT Fund. The PRIT Fund's allocation to timberland is through two external timber investment managers, Forest Investment Associates (FIA) and The Campbell Group (Campbell).

The United States timberland markets are divided into three regions, each with distinct economic characteristics: the Pacific Northwest, the Northeast and the Southeast. The Pacific Northwest is a high value softwood market, in which the growing cycle to produce a mature tree is forty to fifty years. The high value tree in this region is Douglas Fir, which is used primarily to produce high quality dimensional and structural lumber. The timber growing cycle in the Southeast is much shorter, in the range of twenty-five years. Southern pine is the dominant species and it is used typically to make pulp for the paper industry or lower quality-framing lumber. The Northeast market is much smaller than the other two markets and consists of a wider range of trees, including high value specialty woods such as cherry and oak.

In Australia, there is approximately 2 million hectares (4.9 million acres) of plantation timberlands that are almost evenly split between hardwood and softwood species. Australia is a net importer of forest products, with limited domestic supply and high demand. With increasing fiber demand from China, export opportunities exist for plantations with close proximity to ports.





Investment returns from timberland investments are derived from the net cash flow generated from the sale of trees (referred to as stumpage sales) combined with capital appreciation from the biological growth of the trees. Both of these return factors depend to some degree upon the direction of forest product commodity prices (paper goods and lumber products). There can also be gains from the timely sale of timberland and from the conversion of timberland into higher and better uses, such as vacation property sales.

**Portfolio Risks.** Investments in timberland assets are subject to various risks, including adverse changes in general economic conditions, fluctuations in the market price of timber, damage to timber properties due to infestation and weather related events, changes in regulatory conditions and other governmental rules. In addition, the portfolio is subject to valuation risk, as the valuation of the assets in this segment are based on estimates made by the PRIM Board through coordination with external appraisers and the PRIM Board's timber investment managers. Accordingly, there can be no assurance that the fair value of investments will correspond to the ultimate realized value of the properties. International timberland investments are also subject to currency fluctuations that can result in unpredictable gains or losses when foreign currency is converted into U.S. dollars.

**Performance.** As of June 30, 2016, the one-year Timber return was 0.44% as compared to the NCREIF Timberland Index (one quarter lag) of 2.90%. Since its inception, in January 2002, the Timber portfolio has produced an annualized return of 9.18%. On a three-, five-, and 10-year basis through June 30, 2016, the PRIT Fund's Timberland portfolio has returned 7.19%, 5.17%, and 6.75%, respectively, compared to the benchmark return of 7.71%, 6.63%, and 7.04%, respectively.

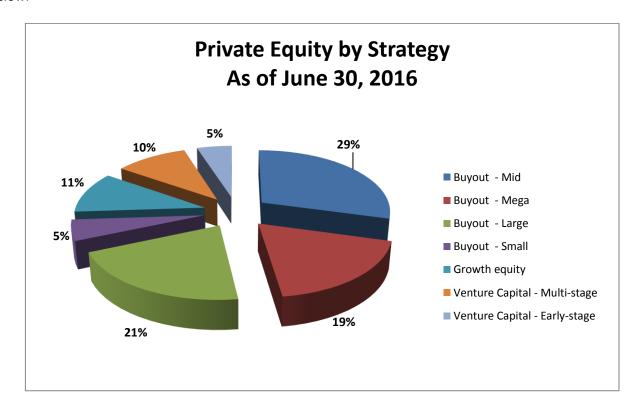
The PRIT Fund's Timberland investment managers at June 30, 2016 are presented in the following table:

Manager	Investment Mandate	 Portfolio Fair Value at June 30, 2016 (\$000s)		
Forest Investments Associates	Separate Accounts - Timber	\$ 1,102,713		
The Campbell Group	Separate Accounts - Timber	897,875		
Other portfolio net assets		11,409		
Total Portfolio Fair Value		\$ 2,011,997		

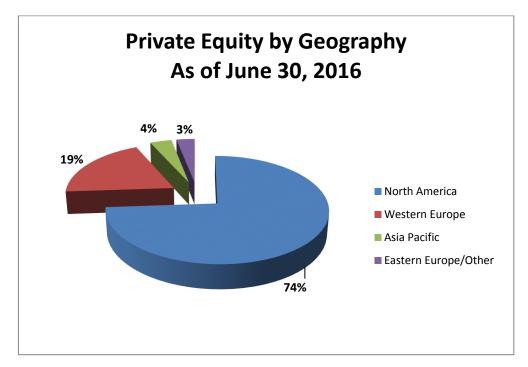
## **Private Equity Portfolio**

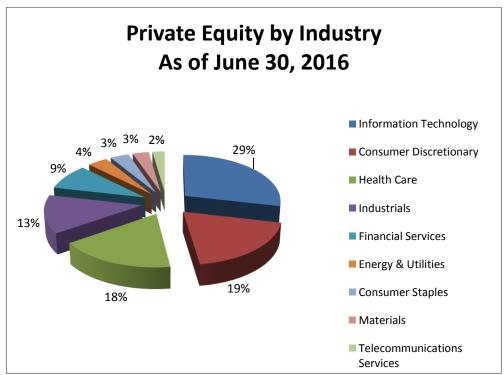
As of June 30, 2016 the fair value of the Private Equity portfolio was \$6.7 billion or 11.1% of the PRIT Fund. The PRIT Fund's long-term target allocation to Private Equity investments is 10%. Two components comprise the PRIT Fund's Private Equity portfolio: venture capital (early-stage and multi-stage) and special equity partnerships (buyout and growth equity). Additionally, the PRIT Fund had approximately \$178.4 million of natural resources investments in the Liquidating portfolios. Unlike public markets, where the investor has the ability to "cash out" of positions at any time, these private market investments are illiquid. Therefore, an investment in this category is a long-term commitment.

The Private Equity portfolio is well-diversified by strategy and the allocation as of June 30, 2016 is presented below.



The Private Equity portfolio is diversified at the partnership level by strategy as well as at the underlying portfolio company level by industry and geography. The portfolio's current geographical and industry allocations are presented below.





Capital invested in private equity partnerships is subject to a relatively high degree of risk as compared to other potential investments, with the assumption that the investor will be rewarded with higher returns for that assumption of risk, i.e. the "risk/return trade-off". This risk/return trade-off is the key consideration in determining if this asset is appropriate for a particular portfolio. These risks are highlighted below.

**Portfolio Risks.** Risks associated with investing in private equity limited partnerships include, but are not limited to:

- <u>Illiquidity</u>: Limited partnership vehicles typically have 10-15 year life cycles during which limited partners are unable to liquidate their entire positions, but instead, will receive the cash flow from successful investments. A defined secondary market such as the New York Stock Exchange does not exist for private equity.
- <u>Volatility</u>: Volatility, as measured by standard deviation from a mean return, has historically been greater for private equity investing than many other assets.
- <u>Management Fee Effect</u>: Typically, general partners' fees range from 150 to 250 basis points annually.
   This is usually drawn down against committed capital, although it may not be invested, and may result in negative returns until investments are realized successfully.
- <u>Valuation of investments</u>: Investment valuation at any time may not be reflective of fair market value.
   Due to recent U.S. accounting rule changes (ASC 820) private equity investments are generally valued at fair value. However, because of the inherent uncertainty of the valuation of the portfolio companies, the estimated value may differ significantly from the value that would have been used had a ready market for these securities existed.
- <u>General Partner Discretion</u>: Investors lack control over the general partner's investment decisions. The general partner is provided capital to manage at its discretion and investors are provided limited rights, such as termination of the partnership in certain instances. (These rights may not prove practical except in extreme circumstances.)
- <u>Binding Commitments</u>: There is limited ability to reduce or terminate investments. Under the contractual
  terms of the partnership, investments may be terminated in some cases by super-majority vote of the
  investors and after the occurrence of certain events. (These rights may not prove practical except in
  extreme circumstances.)
- <u>Risk of Loss</u>: There is risk of losing 100% of the investment. Investments in partnerships are usually equity and their risk nature could result in loss of the entire investment.

**Performance.** The PRIT Fund's Private Equity portfolio delivered a one-year return of 12.15% through June 30, 2016. The PRIT Fund's Private Equity managers were active in making new investments as well as in generating liquidity in the year ending June 30, 2016. The PRIT Fund's managers called \$1.1 billion of capital for additional investments, management fees, and partnership expenses, which is less than the \$1.2 billion called during the prior fiscal year. From a liquidity standpoint, the portfolio generated total distributions of \$1.9 billion which compares to \$2.0 billion for the 2015 fiscal year.

While there is not currently a widely used or conventional benchmark in this asset class, the PRIM Board staff targets investment opportunities with the ability to generate a long-term rate of return equal to or greater than the Russell 3000 + 3%. The PRIT Fund's Private Equity program has achieved this goal over the 10-year period, outperforming the Russell 3000 by a minimum of 300 basis points. Over the long term the PRIT Fund's Private Equity portfolio has performed well with a 10-year annual return of 14.40% as of June 30, 2016, exceeding the Russell 3000 index return of 7.40% by 700 basis points. On a five-year basis, the portfolio outperformed the Russell 3000 by 426 basis points, 15.86% compared to 11.60%. For the three-year period ending June 30, 2016, the Private Equity portfolio returned 17.99%, outperforming the Russell 3000 index return of 11.13% by 686 basis points. For the one-year period ending June 30, 2016, the Private Equity portfolio returned 12.15%, outperforming the Russell 3000 index return of 2.14% by 1,001 basis points. It is important to remember that there is a one quarter lag inherent in private equity valuations. For this reason the June 30, 2016 results for the Private Equity portfolio do not reflect the same level of appreciation in asset values that are reflected in public market indices such as the Russell 3000.

Since inception to June 30, 2016, the PRIT Fund has committed over \$17.9 billion to 363 partnerships (264 active) of which \$14.7 billion has been invested. The program has generated \$16.9 billion in distributions. The net IRR since inception for the program is 13.15%.

# PRIVATE EQUITY EXTERNAL MANAGERS

## As of June 30, 2016

	Partnership	Location		Partnership	Location
1	Acon Investments	Washington, DC	53	Kohlberg Kravis Roberts & Co.	New York, NY
2	Advent International	Boston, MA	54	KPS Capital Partners	New York, NY
3	Alchemy Partners	London, UK	55	Landmark Equity Partners	Simsbury, CT
4	Alta Communications	Boston, MA	56	Lovell Minnick Partners	Radnor, PA
5	American Securities Capital Partners	New York, NY	57	M/C Venture Partners	Boston, MA
6	APAX Partners & Co.	London, UK	58	Madison Dearborn Capital Partners	Chicago, IL
7	Apollo Management Co.	New York, NY	59	Menlo Ventures	Menlo Park, CA
8	Ascent Venture Partners	Boston, MA	60	Montagu	London, UK
9	Austin Ventures	Austin, TX	61	Montreux Equity Partners	Menlo, CA
10	Bain Capital	Boston, MA	62	Nautic Partners	Providence, RI
11	Battery Ventures	Boston, MA	63	New Enterprise Associates	Baltimore, MD
12	Berkshire Partners	Boston, MA	64	Nordic Capital	Stockholm, Sweden
13	Blackstone Capital Partners	New York, NY	65	Odyssey Investment Partners	New York, NY
14	Boston Ventures	Boston, MA	66	Olympus Growth Fund	Stamford, CT
15	Bridgepoint Capital Limited	London, UK	67	Onex Capital Partners	Toronto, Canada
16	Candover	London, UK	68	PAI Europe	Paris, France
17	Carlyle Partners	Washington, DC	69	Permira Ventures	London, UK
18	Castile Ventures	Waltham, MA	70	Polaris Venture Partners	Waltham, MA
19	Catalyst Investors	New York, NY	70	Providence Equity Partners	Providence, RI
20	Centerbridge Capital	New York, NY	71	Quad-C Management	New York, NY
	Charles River Ventures	•	73	•	•
21 22	Charles River Ventures  Charlesbank Capital Partners	Waltham, MA Boston, MA	73	Quantum Energy Partners Rembrandt Venture Partners	Houston, TX Menlo Park, CA
	·	•			•
23	Charterhouse Group	New York, NY	75 76	Rhône Group LLC	New York, NY
24	Chequers	Paris, France	76	SAIF Partners	Hong Kong, China
25	Code, Hennessey & Simmons	Chicago, IL	77	SCP Vitalife	Tel Aviv, Israel
26	Commonwealth Capital Ventures	Wellesley, MA	78	Sherbrooke Capital	Newton, MA
27	CVC Capital	London, UK	79	Sofinnova Ventures, Inc.	Menlo Park, CA
28	Cypress Merchant Banking Partners	New York, NY	80	Spark Capital	Cambridge, MA
29	Denham Capital Management	Boston, MA	81	Spectrum Equity Partners	Boston, MA
30	DLI Merchant Banking Partners	New York, NY	82	Summit Ventures	Boston, MA
31	El Dorado Ventures	Menlo Park, CA	83	SV Life Sciences Advisors	Boston, MA
32	Equitable Capital Management Corp.	New York, NY	84	TA Associates	Boston, MA
33	Essex Woodlands Health Ventures	Chicago, IL	85	Technology Crossover Ventures	Palo Alto, CA
34	Ethos Private Equity	Johannesburg, South Africa	86	Texas Pacific Group	Fort Worth, TX
35	Exponent Private Equity Partners	London, UK	87	The Gores Group	Los Angeles, CA
36	First Reserve Corporation	Greenwich, CT	88	Thoma Bravo	San Francisco, CA
37	Flagship Ventures	Cambridge, MA	89	Thoma Cressey Partners	Chicago, IL
38	Freeman Spogli Equity Partners	Los Angeles, CA	90	Thomas H. Lee Equity Partners	Boston, MA
39	GENSTAR Capital	San Francisco, CA	91	Torquest Partners	Toronto, Canada
40	Gilde Buy Out Partner AG	Utrecht, Netherlands	92	TowerBrook Capital Partners	New York, NY
41	GTCR Golder Rauner	Chicago, IL	93	Trident Capital	Los Angeles, CA
42	Hellman & Friedman Capital Ptrs	San Francisco, CA	94	Union Square Ventures	New York, NY
43	HIG Capital Partners	Miami, FL	95	VantagePoint Partners	San Bruno, CA
44	Highland Capital Partners	Lexington, MA	96	Vestar Capital Partners	New York, NY
45	Hony Capital	Beijing, China	97	Vista Equity Partners	San Francisco, CA
46	Index Ventures	London, UK	98	Welsh, Carson, Anderson & Stowe	New York, NY
47	Insight Venture Partners	New York, NY	99	Weston Presidio Capital	Boston, MA
48	Institutional Venture Partners	Menlo Park, CA	100	WestView Capital Partners	Boston, MA
49	InterWest Partners	Menlo Park, CA / Dallas, TX	101	Whitney & Company	Stamford, CT
50	Kelso & Company	New York, NY	102	Willis Stein	Chicago, IL
51	Kepha Partners	Waltham, MA	103	Xenon Private Equity, LTD.	Jersey, UK
52	Keytone Ventures	Beijing, China			

## **Hedge Funds Portfolio**

As of June 30, 2016 the Hedge Funds portfolio had approximately \$5.2 billion in assets, which represented 8.6% of the PRIT Fund. The PRIM Board has investments with twenty-four direct hedge fund managers including managed accounts and one active hedge fund of funds manager.

The PRIT Fund's Hedge Funds managers at June 30, 2016 are presented in the following table:

Manager	Strategy Focus	June 30, 2016 (\$000s)			
PAAMCO	Core - Emerging Managers	\$	867,595		
Direct Hedge Funds	Core		4,289,562		
Other portfolio net assets			35,081		
Total Portfolio Fair Value		\$	5,192,238		

	Direct Hedge Funds Manager	Location	_,	Direct Hedge Funds Manager	Location
1	400 Capital Management	New York, NY	13	Highfields Associates, LLC	Boston, MA
2	Anchorage Capital, LLC	New York, NY	14	King Street Capital Management	New York, NY
3	Arrowgrass G.P. Limited	New York, NY	15	Mudrick Capital Management, LP	New York, NY
4	Brevan Howard G.P. Limited	New York, NY	16	OZ Advisors, LP	New York, NY
5	Brigade Capital GP, LLC	New York, NY	17	PanAgora Asset Management, Inc.	Boston, MA
6	Cantab Capital Partners, LP	Cambridge, UK	18	Pershing Square GP, LLC	New York, NY
7	Capula Management Limited	Greenwich, CT	19	Samlyn Partners, LLC	New York, NY
8	Claren Road Capital, LLC	New York, NY	20	SECOR	New York, NY
9	Davidson Kempner Advisors Inc.	New York, NY	21	Steadfast Capital Management, LP	New York, NY
10	East Lodge	London, UK	22	Taconic Associates, LLC	New York, NY
11	Elliot Capital Advisors, LP	New York, NY	23	Winton Capital Management	London, UK
12	Glenview Capital GP, LLC	New York, NY	24	York Capital Management	New York, NY

**Portfolio Risks.** The Hedge Funds portfolio is subject to the various risks of underlying investments in hedge funds. The portfolio is subject to market risk through a general downturn in market conditions, as well as credit risk inherent in fixed income hedge fund strategies. The portfolio is also exposed to liquidity risk in unwinding underlying hedge fund investment positions. In addition, the hedge fund space is exposed to operational risks in executing investment strategies, and valuing investment positions. The PRIM Board has developed a detailed hedge fund investment plan to manage these risks and ensure appropriate diversification within the asset class.

**Performance.** The PRIT Fund's Hedge Funds portfolio managers returned -5.37% for the fiscal year versus a return of -5.38% for the benchmark HFRI Fund of Funds Composite Index. The Hedge Funds portfolio has returned 2.81% and 3.70% over the three and five year periods versus the asset class benchmark of 1.92% and 2.03%, respectively. On a 10-year basis, the Hedge Funds portfolio returned 3.20% compared to the benchmark return of 3.71%. All performance figures for this asset class are reported 'net of fees'.

## Portfolio Completion Strategies (PCS) Portfolio

As of June 30, 2016 the PCS portfolio had approximately \$736.6 million in assets with five managers, which represented 1.2% of the PRIT Fund.

The objective of the PCS portfolio is to provide the PRIT Fund access to broader investment opportunities. Investments selected for the PCS portfolio should enhance the risk/return profile of the PRIT Fund. Investments may include long-term strategic investments or short-term opportunistic investments.

Each investment within the PCS portfolio is compared against an appropriate benchmark. The overall PCS portfolio benchmark is the weighted-average of each of the underlying investment benchmarks.

The PRIT Fund's PCS managers at June 30, 2016 are presented in the following table:

	Manager	Strategy Focus	Location
-	AgIS Capital, LLC	Agricultural	Boston, MA
2	AQR Capital Management, LLC	Risk Premia	Greenwich, CT
3	3 Goldman Sachs Investment Management	Risk Premia	New York, NY
4	JEN Partners LLC	Residential Land Development	New York, NY
Ę	PanAgora Asset Management, Inc.	Risk Premia	Boston, MA

**Portfolio Risks.** The PCS portfolio is subject to the various risks of alternative risk premia and other underlying investments. The portfolio is subject to market risk through a general reversal of the risk premia that the strategies are trying to capture. The portfolio is also exposed to liquidity risk in unwinding illiquid positions. In addition, the PCS portfolio is exposed to operational risks in executing investment strategies and valuing investment positions. The PRIM Board has developed a detailed PCS investment plan to manage these risks and ensure appropriate diversification within the asset class.

**Performance.** For the fiscal year, the PCS portfolio returned 8.7% compared to the asset class benchmark return of 3.48%. Since its inception in January 2015, the PCS portfolio returned 2.10% comparing to the asset class benchmark return of 3.38%.

## **Overlay**

At the August 8, 2013 Board meeting, the PRIM Board voted to hire Parametric (formerly known as the Clifton Group) for the Cash Overlay program. As of June 30, 2016, the Overlay portfolio had \$286.6 million in assets which represents 0.5% of the PRIT Fund. The Overlay portfolio returned 1.73% for the fiscal year and had a return of 4.79% since its inception in October 2013.

The objective of the overlay program is to provide market exposure to cash which is not invested with a similar risk/return profile of the PRIT Fund. Investments are made through the futures market.

## SCHEDULE OF TIME-WEIGHTED RETURNS BY ASSET CLASS\*

## For the Periods Ended June 30, 2016

Asset Class	1 Year	3 Year	5 Year	10 Year
Benchmark as of June 30, 2016			-	
Global Equity	-3.93%	6.05%	5.86%	4.54%
44% Domestic Equity BM/40% Interantional Equity BM/16%				
Emerging Markets BM	-5.00%	5.57%	5.05%	4.16%
Domestic Equity	1.64%	10.67%	11.40%	6.06%
78.9% S&P 500/21.1% Total Small/Smid Cap Equity BM	2.23%	10.98%	11.54%	6.96%
International Equity	-7.69%	3.76%	3.28%	2.86%
50% Custom MSCI World EX-US IMI NET DIVS/50% Custom MSCI				
EAFE Standard Index NET DIVS	-9.96%	2.30%	1.42%	1.66%
Emerging Markets	-9.52%	-0.95%	-3.07%	2.97%
25% Custom MSCI EM IMI NET DIVS/64% MSCI EM Standard				
NET DIVS/7% Custom MSCI EM Small Cap NET DIVS/4% Custom				
MSCI FM 15% Country Capped Index NET DIVS	-12.10%	-1.25%	-3.40%	3.75%
Core Fixed Income	14.69%	8.29%	6.47%	6.23%
38.5% BC Agg/38.5% BC US STRIPS 20+ Year /7.6%BC US				
TIPS/15.4% BC ILB US\$ HEDGED	15.03%	8.13%	6.19%	5.93%
Value-Added Fixed Income	1.04%	2.67%	3.85%	7.15%
23.95% ML Master II HY Constrained Index/9.21% S&P LSTA				
Leveraged Loan Index/22.96% JPM EMBI Global/43.88% Altman				
Index	-5.75%	-1.37%	1.33%	5.30%
Real Estate	12.21%	12.57%	12.09%	7.46%
80% NCREIF Property One Qtr. Lag/20% FTSE EPRA NAREIT				
DEVELOPED Net Total Return	12.09%	11.42%	11.49%	7.19%
Private Equity	12.15%	17.99%	15.86%	14.40%
No Benchmark	na	na	na	na
Timberland	0.44%	7.19%	5.17%	6.75%
NCREIF Timberland Index (one quarter lag)	2.90%	7.71%	6.63%	7.04%
Hedge Funds	-5.37%	2.81%	3.70%	3.20%
HFRI Fund of Funds Composite Index (1)	-5.38%	1.92%	2.03%	3.71%
Portfolio Completion Strategies (2)	8.70%	na	na	na
Portfolio Completion Strategies Composite Index (3)	3.48%	na	na	na
Overlay (4)	1.73%	na	na	na
No Benchmark	na	na	na	na
	1 Year	3 Year	5 Year	10 Year
Total PRIT Core Fund	2.30%	7.71%	7.08%	5.71%
Policy Benchmark	1.46%	6.21%	5.73%	5.31%
TUCS Universe Median	0.97%	7.02%	6.96%	5.98%
TUCS Universe Ranking	10th	18th	43rd	65th

<sup>(1)</sup> The HFRI Index benchmark commenced on January 1, 2010. Prior, the Hedge Fund index consisted of the ML 90-Day T-Bill plus 4%.

<sup>(2)</sup> The Portfolio Completion Strategies Account's inception date was January 31, 2015.

<sup>(3)</sup> The Portfolio Completion Strategies Composite Index benchmark is calculated by applying the underlying benchmark return for each manager to the manager's weight within the Portfolio Completion Strategies Composite.

<sup>(4)</sup> The Overlay Account's inception date was October 31, 2013.

<sup>\*</sup> All return information is gross of fees, except Hedge Fund fees, which is net of fees. Returns are calculated based on a time-weighted rate of return methodology.

# **Investment Summary at Fair Value**

# As of June 30, 2016

		Fair Value	% of Fair
Short-term:	_	(\$000s)	Value
Money market investments	\$	1,204,170	1.90%
Fixed income:			
U.S. government obligations		5,546,901	8.75%
Domestic fixed income		4,100,864	6.47%
International fixed income		3,162,671	4.99%
Distressed debt		1,235,565	1.95%
Equity:			
Domestic equity securities		10,696,300	16.87%
International equity securities		14,211,379	22.42%
Timberland		2,003,805	3.16%
Private Equity:			
Special equity		4,884,250	7.71%
Venture capital		1,599,074	2.52%
Natural resources		178,366	0.28%
Real estate:			
Real estate properties		6,021,497	9.50%
Real estate equity securities		1,484,402	2.34%
Real estate funds		208,110	0.33%
Other		45,066	0.07%
Hedge Funds:			
Event-driven hedge funds		1,901,580	3.00%
Relative value hedge funds		520,060	0.82%
Equity long/short hedge funds		319,669	0.50%
Fund of funds		923,679	1.46%
Equity securities		1,078,035	1.70%
Cash and cash equivalent		618,269	0.98%
Fixed income securities		563,834	0.89%
Other		130,825	0.21%
Portfolio completion strategies:			
Investment funds		221,575	0.35%
Cash and cash equivalent		221,703	0.35%
Equity securities		170,824	0.27%
Fixed income securities		19,601	0.03%
Other		115,499	0.18%
Total investments	\$	63,387,573	100.00%

## **SUMMARY SCHEDULE OF BROKER COMMISSIONS**

(Top 25 Brokers and Cumulative Fees Paid to Others)

## Fiscal Year Ended June 30, 2016

Prokovogo Firms	Гол	os Doid (¢)	% Total	Average \$
Brokerage Firms	гее	es Paid (\$)	% IUlai	per share
Morgan Stanley	\$	900,605	9.5%	0.0035
UBS		728,928	7.7%	0.0004
Merrill Lynch		710,922	7.5%	0.0023
JP Morgan		688,907	7.3%	0.0041
Citigroup		619,824	6.6%	0.0034
Credit Suisse		580,840	6.2%	0.0020
Goldman Sachs		491,148	5.2%	0.0024
HSBC		349,925	3.7%	0.0014
Deutsche Bank		267,601	2.8%	0.0039
Macquarie		250,610	2.7%	0.0014
Instinet		223,313	2.4%	0.0005
Jefferies & Co		205,787	2.2%	0.0096
Sanford C. Bernstein & Co		179,362	1.9%	0.0016
Fox River Execution Technology		138,474	1.5%	0.0175
RBC		131,052	1.4%	0.0120
Credit Lyonnais Securities		129,466	1.4%	0.0027
SG Securities		115,210	1.2%	0.0019
Barclays		105,388	1.1%	0.0048
BNY Convergex		99,585	1.1%	0.0077
The City Bank Limited		95,271	1.0%	0.0023
Knight Capital Group		91,977	1.0%	0.0184
CLSA		79,801	0.8%	0.0027
Banco Santander		77,687	0.8%	0.0068
Liquidnet		66,417	0.7%	0.0117
Investec		60,022	0.6%	0.0021
Others		2,056,043	21.7%	0.0046
Totals	\$	9,444,165	100.0%	0.0019

The PRIM Board has commission recapture agreements with several brokers. A summary of the commission recapture program is included in the Investment Policy Statement included at the end of the Investment Section. For the fiscal year ended June 30, 2016 the PRIT Fund earned \$3,384 from the commission recapture program.

## **SCHEDULE OF MANAGEMENT FEES**

# Fiscal Year Ended June 30, 2016

Investment Management Fees by Asset Class:	(\$000s)		
Domestic Equity	\$ 11,931		
Emerging Markets Equity	16,851		
International Equity	16,374		
Core Fixed Income	4,782		
Value-Added Fixed Income	10,274		
Real Estate	27,038		
Timberland	(1,131)		
Private Equity	1,850		
Hedge Funds	4,755		
Portfolio Completion Strategies	1,034		
Overlay	825		
Total Investment Management Fees	94,583		
Investment Advisory Fees	5,935		
Custodian Fees	805		
Other Administrative Fees	10,806		
Total Management Fees charged to the PRIT Fund	\$ 112,129		

## **SCHEDULE OF RETIREMENT SYSTEMS BY INVESTMENT**

Segmentation Accounts invested as of June 30, 2016

Retirement System	Asset Vaules 00s) 6/30/16	Seneral * 4110-64:0)	Domestic Faunt	International Equity	Energing Markets	Gre fixed Inome	Peal State	Pinge Equity	Hedge Funds	Pubic 19116 10060 File 10090 File
Amesbury	\$ 47,225	X								
Andover	\$ 114,422	х								
Arlington	\$ 121,349	x								
Attleboro	\$ 480							x		
Barnstable	\$ 871,247	x								
Belmont	\$ 25,915	x		х			х	x	х	
Berkshire	\$ 196,762	x								
Beverly	\$ 101,591	x								
Blue Hills	\$ 9,601	x								
State Boston/Teachers	\$ 1,419,591	х								
Braintree	\$ 45,966	x					х		x	
Bristol County	\$ 39,772							x	х	
Brookline	\$ 1,426							х		
Cambridge	\$ 95,676							x	х	
Chelsea	\$ 126,974	x								
Chicopee	\$ 29,710						х	х	х	
Clinton	\$ 40,320	х					х	х		
Concord	\$ 59,449	х					х	х		
Danvers	\$ 35,611			х	х		х	х	х	
Dedham	\$ 109,633	х								
Dukes County	\$ 63,873	х		х			х			
Easthampton	\$ 43,433	х								
Essex	\$ 348,121	x								
Everett	\$ 109,589	x								
Fairhaven	\$ 50,541	x								
Fall River	\$ 221,843	x								
Falmouth	\$ 11,054	^							х	
Fitchburg	\$ 94,174	x							^	
Framingham	\$ 255,802	x								
Franklin County	\$ 75,236	x		х			х			
Gardner	\$ 45,944	x		^			^			
	\$									
Gloucester	85,163	X								
Greenfield	\$ 58,162	X								
Hampden County	290,458	Х					v		v	
Hampshire County	\$ 77,583				X	.,	X	X	X	
Haverhill	\$ 59,176			X	X	X	X	X	X	
Hingham 	\$ 97,057	Х	х	Х	X	Х	х	Х	X	X
Holyoke	\$ 2,093								х	
Hull	\$ 38,014	X								
Lawrence	\$ 179,588	Х								
Leominster	\$ 93,189	х								
Lexington	\$ 14,716						х		х	
Lowell	\$ 297,732	х								
Lynn	\$ 262,201	X								
Marblehead	\$ 86,631	X								
Mass Turnpike	\$ 170,399	X								
Massport	\$ 71,847						х	X		
Maynard	\$ 17,759				X	X	х		х	x
Medford	\$ 35,942						x	x	х	

# SCHEDULE OF RETIREMENT SYSTEMS BY INVESTMENT, continued

Segmentation Accounts invested as of June 30, 2016

						<i>\$</i> 2	,				
			_		le <sub>u</sub>	Zo Zo		.cu		ž	.8 8
Retirement System		: Asset Vaules 100s) 6/30/16	Seneral Allostion	Domestic Fault	International Equity	Shoring Warters	Coe Fred	Real Estate	Private Equity	Hedge Funds	Public Value Model of Year
Melrose	\$	66,385	х								
Methuen	\$	116,239	х								
Middlesex	\$	1,005,351	х								
Milford	\$	75,547	х								
Milton	\$	109,227	х								
Minuteman	\$	12,203	х								
Montague	\$	34,745	х								
MSCBA	\$	4,246	х								
MWRA	\$	41,431	х					х	х	х	
Natick	\$	19,466	х					х	x	х	
Needham	\$	134,103	х								
Newburyport	\$	63,899	x								
Newton	\$	285,166	x								
Norfolk	\$	108,664					х	х	х	х	
North Adams	\$	1,370							x	x	
Northbridge	\$	29,076	х								
Northampton	\$	731							х		
Norwood	\$	30,506				x		х		x	
Peabody	\$	127,134	х			^		^		^	
Pittsfield	\$	111,111	x								
Plymouth	\$	32,266	x					х	х	х	
Quincy	\$	25,073	x				х	^	x	x	
Reading	\$	118,013	x				^		^	^	
Revere	\$	127,316	x								
Salem	\$	135,964	x								
	\$										
Sharraham	\$	83,763	X X	х	х		х	х			
Shrewsbury		99,324		^	^		^				
Southbridge	\$	41,571	X								
Springfield	\$	264,662	X								
State Employees'	\$	23,491,140	X								
State Retiree Benefits Trust	\$	1,019,680	X								
State Teachers'	\$	24,766,990	X						v	v	
Stoneham	\$	29,204	X					Х	х	х	
Swampscott	\$	33,633	X								
Wakefield	\$	101,802	X								
Waltham	\$	189,088	х								
Watertown	\$	35,865		х				X	X	X	
Webster	\$	6,097						х	Х	х	
Wellesley	\$	153,677	х								
Westfield	\$	8,508						х		х	
Weymouth	\$	24,961						х		х	
Winchester	\$	22,526					х			х	
Winthrop	\$	55,549	х								
Woburn	\$	50,600			X	х	х	х	х	х	х
Worcester	\$	91,118	х					Х	X	х	
Worcester Regional	\$	557,775	х								
	Ċ	60 602 805									

\$ 60,692,805

## **INVESTMENT POLICY STATEMENT**

The following are significant elements and related excerpts from the PRIM Board's investment policy statement. The purpose of the statement is to delineate the investment policy and guidelines and to establish the overall investment strategies and discipline of the PRIM Board. This policy is intended to allow for sufficient flexibility to capture investment opportunities, yet provide parameters that ensure prudence and care in the execution of the investment program. This policy is issued for the guidance of fiduciaries, including Trustees, staff professionals, investment managers, custodians, and investment consultants, for managing the assets of the PRIT Fund. The policy is intended to provide a foundation from which to oversee the management of the PRIT Fund in a prudent manner.

## A. Investment Objectives

PRIM's overall objective is to achieve the highest level of investment performance that is compatible with its risk tolerance and prudent investment practices. Because of the long-term nature of the Commonwealth's pension liabilities, PRIM maintains a long-term perspective in formulating and implementing its investment policies, and in evaluating its investment performance. Investment performance is measured by three integrated long-term objectives: 1) the actuarial target rate of return, 2) the investment policy benchmark, and 3) peer universe comparisons.

The actuarial target rate of return is the key actuarial assumption affecting future Commonwealth funding rates and pension liabilities. Investment performance that exceeds or underperforms the target rate may materially impact future funding rates and liabilities. The PRIM Board seeks to have a long-term investment performance that will meet or exceed its actuarial target rate of return.

The *investment policy benchmark* is calculated by applying the investment performance of the asset class benchmarks to the PRIT Fund's asset allocation targets. The investment policy benchmark enables PRIM to compare the PRIT Fund's actual performance to a passively managed proxy and to measure the contribution of active investment management and policy implementation.

PRIM also compares its total fund performance to appropriate public plan sponsor *comparison universes*. A peer universe comparison permits PRIM to compare its performance to large public and other pension plans. While PRIM seeks to rank consistently in the top half of comparable public pension funds, PRIM recognizes that other funds may have investment objectives and risk tolerances that differ substantially from PRIM's.

PRIM expects to meet or exceed these objectives over its long-term investment horizon. The expected volatility of markets and unique objectives of PRIM relative to other pension plans may not favor, over shorter periods, PRIM's strategic investment policies.

## **B. Asset Allocation Plan**

PRIM recognizes that over the long-term, asset allocation is the single greatest contributor of return and risk to the PRIT Fund. At reasonable intervals of not more than three to five years, PRIM will complete a comprehensive review of its Asset Allocation Plan and its underlying assumptions, including: the Commonwealth's current and

projected pension assets and liabilities; long-term capital markets rate of return assumptions; and PRIM's risk tolerances. The PRIM Board shall examine the Asset allocation Plan annually, and shall consider adjustments to the Plan as may be appropriate given the Plan's long-term nature and objectives.

The PRIM Board conducted an asset/liability study in February 2014 to determine the optimum long-term asset allocation for the PRIT Fund, using the Massachusetts Public Employee Retirement Administration Commission (PERAC) valuation report as of January 1, 2013 and estimating the components of the valuation report as of January 1, 2014, which estimated a 60.6% and 61.5% funded ratio, respectively.

## C. Commission Recapture Policy

In order to minimize the net costs of trading, PRIM will encourage its investment managers, on a "best efforts" basis, to execute 20% of total trades annually through brokers who have a commission recapture program. Should managers exceed the 20% suggested, the PRIT Fund will participate in those trades as well.

PRIM's investment managers may select two or three brokers to take part in this program. Any credits earned under the program should be remitted monthly or quarterly to the PRIT Fund.

PRIM's policies require managers to seek the best price and execution on all trades; this means that commission recapture trades should only be executed when such trades meet this standard. This program should not interfere with or reduce an investment manager's incentive to reduce trading costs.

## D. Rebalancing Policy

The actual asset allocation mix will deviate from the Asset Allocation Plan's target due to market movement, cash flows, and manager performance. Material deviations from the asset allocation targets can alter the expected return and risk of the PRIT Fund. Accordingly, the PRIM Board has adopted asset class ranges for each asset class, and positioning within a specified asset class range is acceptable and constitutes compliance with the Asset Allocation Plan. It is the responsibility of PRIM staff to keep actual asset class allocations within the asset allocation bands. It is anticipated that the PRIM Board will make periodic revisions to the Asset Allocation Plan, and it is recognized that in some cases it may be prudent to allow an extended period of time to fully implement revisions to the Asset Allocation Plan. The spirit of this policy is to implement the investment strategy within the asset class ranges at a reasonable cost, recognizing that overly precise management of asset exposures can result in transactions costs that are not economically justified. In the circumstance that a rebalancing is warranted, staff shall have the discretion to instruct public securities managers (including an overlay manager) to use futures as a short-term tool to rebalance the PRIT Fund. The PRIM Board acknowledges that market conditions or circumstances beyond PRIM's control may lead to asset class weightings being temporarily out of their target ranges, especially as those ranges relate to illiquid asset classes.

## E. Proxy Voting Policy

Under the contractual arrangements between the Pension Reserves Investment Management Board (the "Board") and its domestic and international separate account investment managers, the responsibility for voting proxies on the corporate shares owned is retained by the Board. Further, the Board may retain a consultant to

assist staff in evaluating shareholder proposals, communicating its vote to the corporation, and keeping account records of these votes.

The purpose of this policy is to outline the general principles applied by the Board in voting proxies. The Board recognizes that in applying these general rules exceptions will apply. The Executive Director and staff will vote in accordance with their best judgment in each circumstance.

The PRIM Board periodically reviews the PRIM Board Proxy Voting Policy to ensure that it contains appropriate guidance for staff in determining how votes will be cast on a variety of matters and the underlying rationale for such determination.

The main goal in voting any proxy question is to enhance the value of the security. PRIM staff will not vote the proxies in a manner that would reduce the value of shares owned by PRIT.

#### F. Economically Targeted Investment Program

PRIM recognizes its obligations under Massachusetts law to seek investment opportunities that will benefit the economic climate of the Commonwealth as a whole, provided that such investments are consistent with PRIM's obligations to the members and beneficiaries of its participating retirement systems. (See M.G.L. Ch. 32, sec. 23(2A) (h)) Accordingly, in cases where investment characteristics, including returns, risk, liquidity, compliance with allocation policy, and others, are equal, PRIM will favor those investments with a substantial, direct and measurable benefit to the economy of the Commonwealth.

Such Economically Targeted Investments ("ETIs") must meet the following criteria:

- 1. Investments must target risk-adjusted, market-rate returns and provide net returns equivalent to or higher than other available investments, at commensurate levels of risk. Economic or social benefits will not justify a lower return on any PRIT Fund investment. When evaluating ETI opportunities, PRIM will discount projected returns for any subsidies, deferral of income, higher risk levels, and other concessions to reach a real rate of return for comparison with other ETI and non-ETI investment alternatives. Similarly, ETI benefits will not justify higher investment risk. However, where appropriate, PRIM staff, its managers, and its advisors will actively seek out and develop guarantees, third party recourse, hedging, and other acceptable and customary risk management vehicles to reduce or eliminate risk in ETI investments.
- 2. Investments must not exceed a reasonable weighting in the portfolio, including tracking the degree of exposure to the Massachusetts economy and ensuring appropriate geographic diversification. Investments should maintain the overall portfolio's compliance with its asset allocation strategy. ETI benefits will not justify deviation from the Asset Allocation Plan adopted by the PRIM Board.
- 3. Investments should be placed with an experienced and capable manager through an objective and transparent process. Investments should be managed by qualified discretionary investment managers. PRIM will not make any direct investments.
- 4. Investments should target a "capital gap" where there are likely to be underserved markets.
- 5. Investments must be tracked (both investment performance and collateral benefits) and managed with the same rigor and discipline imposed on other investments. Investments should be reviewed and monitored by PRIM staff and advisors without disproportionate expenditure of time and resources.

# **Statistical Section**

## **Schedules of Changes in Pooled Net Position**

#### For Fiscal Years Ending June 30

### (Dollars in thousands)

Additions		2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
State Employees contributions	\$	727,147 \$	580,527 \$	547,627 \$	529,031 \$	544,166 \$	538,898 \$	475,591 \$	462,471 \$	464,330 \$	420,199
State teachers contributions		752,835	721,148	709,114	669,815	640,056	616,533	593,147	599,410	573,984	548,229
Other participants contributions		922,092	877,252	793,507	613,345	898,837	1,535,681	620,865	991,362	2,347,537	1,047,285
Net investment income (loss)	_	1,091,671	2,073,376	8,991,375	5,922,932	(280,407)	9,169,664	4,676,706	(12,492,194)	(1,185,523)	8,228,782
Total additions to pooled net position	_	3,493,745	4,252,303	11,041,623	7,735,123	1,802,652	11,860,776	6,366,309	(10,438,951)	2,200,328	10,244,495
Deductions											
State employees warrants		444,166	381,565	357,089	347,330	315,943	282,398	259,285	242,694	239,452	227,510
State teachers warrants		569,054	544,646	494,363	496,987	451,844	418,153	388,366	361,773	341,575	299,612
Participants redemptions		924,710	768,507	739,175	683,279	532,873	508,579	364,648	383,748	202,723	128,843
State appropriation funding		2,066,264	1,954,853	1,973,058	1,815,315	1,851,504	1,663,799	1,731,617	1,465,275	1,184,774	1,100,000
Operating expenses	_	40,491	35,761	30,789	30,394	28,447	26,391	27,332	24,954	23,294	15,447
Total deductions to pooled net position	_	4,044,685	3,685,332	3,594,474	3,373,305	3,180,611	2,899,320	2,771,248	2,478,444	1,991,818	1,771,412
Changes in pooled net position	\$	(550,940) \$	566,971 \$	7,447,149 \$	4,361,818 \$	(1,377,959) \$	8,961,456 \$	3,595,061 \$	(12,917,395) \$	208,510 \$	8,473,083

The above table provides additional information regarding changes in pooled net position from that presented in the Statement of Changes in Pooled Net Position in the *Financial Section* of the CAFR. Deductions represent redemptions from the PRIT fund by state employees, state teachers and other participant retirement systems. Deductions also include redemptions for state appropriation funding and reimbursement of MASTERS operating expenses. State appropriation funding represents funds withdrawn to cover the shortfall in the pension appropriation of the Commonwealth of Massachusetts. Operating expenses represent redemptions made by state employees and state teachers for certain operating expenses. This information is derived from the same information used for the basic financial statements. Current fiscal year-end information should be read in conjunction with the Schedule of Changes in Pooled Net Position - Capital Fund and Cash Fund provided in the Financial Section.

# Financial Highlights and Financial Highlights Ratios

Pages 105-106 provide the financial highlights of the PRIT Fund for the year ended June 30, 2016. In addition, pages 107-110 provide additional financial highlights ratios for the nine previous fiscal year ends. Together, these tables provide additional information regarding important ratios to assist the reader of the CAFR in understanding the financial position of the PRIT Fund. This information includes important return and expense ratios for the entire PRIT Fund as well as the various accounts that comprise the PRIT Fund. This information should be read in conjunction with the description of the investment program highlighted in the *Investment Section* of the CAFR.

# Financial Highlights For the year ended June 30, 2016

	General Allocation Account	Domestic Equity Account	International Equity Account	Emerging Markets Account	Core Fixed Income Account	Public Value- Added Fixed Income Account	Distressed Debt Account	Hedge Funds Account	Liquidating Portfolios Account	Private Equity Account	Private Equity Vintage Year 2000 Account	Private Equity Vintage Year 2001 Account	Private Equity Vintage Year 2002 Account	Private Equity Vintage Year 2003 Account	Private Equity Vintage Year 2004 Account
Net asset value per unit, beginning of year	\$ 295.25	252.54	275.03	410.15	249.32	276.00	128.20	81.99	92.92	402.39	305.77	648.08	218.36	396.30	100.39
Investment operations:  Net investment income (loss)(1)  Net realized and unrealized gain (loss)  on investments and foreign currency	6.84	4.04	7.65 (29.26)	7.90	3.75 32.60	16.21	3.28	0.00	(0.03)	1.73 (5.50)	0.43	43.88 (68.01)	7.35 6.93	26.22	2.18 (6.83)
Total from investment															
operations	5.52	3.82	(21.61)	(40.63)	36.35	7.71	(8.77)	(4.45)	(18.86)	(3.77)	(18.70)	(24.13)	14.28	(16.71)	(4.65)
Net asset value per unit, end of year	\$ 300.77	256.36	253.42	369.52	285.67	283.71	119.43	77.54	74.06	398.62	287.07	623.95	232.64	379.59	95.74
Ratios and supplementary data:  Total net return(2)  Net assets, end of year (\$'000s)  Units outstanding, end of year ('000s)  Ratios to average net assets:	1.87% \$ 59,382,003 197,436	1.51% 11,359,746 44,312	(7.86)% 10,018,446 39,533	(9.91)% 4,264,286 11,540	14.58% 8,404,125 29,419	2.79% 3,868,726 13,636	(6.84)% 1,251,421 10,478	(5.43)% 5,192,238 66,965	(20.30)% 195,445 2,639	(0.94)% 66,569 167	(6.12)% 56,265 196	(3.72)% 77,994 125	6.54% 13,493 58	(4.22)% 69,465 183	(4.63)% 80,997 846
Ratio of expenses, including indirect management fees Ratio of expenses, excluding indirect management fees	0.53% 0.14%	0.13% 0.13%	0.19% 0.19%	0.44%	0.09%	0.47%	1.76% 0.04%	1.42% 0.06%	1.41% 1.40%	0.08%	0.18%	0.17%	0.79% 0.04%	0.28%	0.43% 0.06%
Ratio of net investment income (loss)	2.25%	1.91%	2.88%	2.03%	1.42%	5.95%	2.65%	-%	(0.04)%	0.69%	0.12%	6.67%	2.47%	5.40%	1.65%

Note: Financial Highlights include only the Core Fund and does not include the Cash Fund which maintains a stable net asset value of \$1.00 per unit.

<sup>(1)</sup> Based on weighted average units outstanding.

<sup>(2)</sup> Total net return calculation is based on the value of a single unit of participation outstanding throughout the year. It represents the percentage change in the net asset value per unit between the beginning and end of the year.

# Financial Highlights, continued

## For the year ended June 30, 2016

	Private Equity Vintage				Portfolio											
	Year 2005 Account	Year 2006 Account	Year 2007 Account	Year 2008 Account	Year 2009 Account	Year 2010 Account	Year 2011 Account	Year 2012 Account	Year 2013 Account	Year 2014 Account	Year 2015 Account	Year 2016 Account	Real Estate Account	Timberland Account	Cash Overlay Account	Completion Strategies Account
Net asset value per unit, beginning of year Investment operations:	\$ 138.95	93.80	27.97	103.68	91.75	104.56	61.54	13.67	86.55	67.58	93.74	100.00	495.18	250.94	155.12	94.79
Net investment income (loss)(1) Net realized and unrealized gain (loss)	3.16	0.72	0.59	3.31	2.80	0.62	0.68	0.04	0.66	(0.02)	0.09	(0.11)	22.60	1.30	(17.31)	(0.19)
on investments and foreign currency	8.73	1.64	2.17	10.00	15.60	15.15	13.42	1.10	3.72	3.50	(8.74)	(17.39)	35.36	(9.60)	26.07	8.36
Total from investment operations	11.89	2.36	2.76	13.31	18.40	15.77	14.10	1.14	4.38	3.48	(8.65)	(17.50)	57.96	(8.30)	8.76	8.17
Net asset value per unit, end of year	\$ 150.84	96.16	30.73	116.99	110.15	120.33	75.64	14.81	90.93	71.06	85.09	82.50	553.14	242.64	163.88	102.96
Ratios and supplementary data:																
Total net return(2)  Net assets, end of year (\$'000s)	8.56% \$ 430,797	2.52% 612,037	9.87% 912,296	12.84% 904,434	20.05% 443,570	15.08% 806,666	22.91% 796,339	8.34% 542,987	5.06% 308,790	5.15% 399,073	(9.23)% 184,978	(17.50)% (3) 165	11.70% 6,302,436	(3.31)% 2,012,000	5.65% 286,627	8.62% 736,581
Units outstanding, end of year ('000s)	2,856	6,365	29,691	7,731	4,027	6,704	10,528	36,668	3,396	5,616	2,174	2	11,394	8,292	1,749	7,154
Ratios to average net assets: Ratio of expenses, including indirect																
management fees Ratio of expenses, excluding indirect	0.73%	0.77%	1.00%	0.98%	1.29%	1.30%	1.74%	2.28%	4.91%	4.71%	9.50%	(21.53)% (3)	0.47%	0.23%	0.07%	0.90%
management fees	0.04%	0.03%	0.04%	0.14%	0.04%	0.04%	0.16%	0.04%	0.04%	0.05%	0.04%	(21.53)% (3)	0.09%	(0.11)%	0.07%	0.16%
Ratio of net investment income (loss)	2.18%	0.85%	1.98%	3.02%	2.74%	0.55%	1.01%	0.27%	0.84%	(0.03)%	0.07%	0.21% (3)	4.35%	0.52%	0.16%	(0.16)%

Note: Financial Highlights include only the Core Fund and does not include the Cash Fund which maintains a stable net asset value of \$1.00 per unit.

<sup>(1)</sup> Based on weighted average units outstanding.

<sup>(2)</sup> Total net return calculation is based on the value of a single unit of participation outstanding throughout the year. It represents the percentage change in the net asset value per unit between the beginning and end of the year.

<sup>(3)</sup> Denotes account commenced operations subsequent to the beginning of the fiscal year. Total return and ratios not annualized.

# Financial Highlights Ratios

	General	Domestic	International	Emerging	Core Fixed	Public Value-Added	Distressed	Hedge	Portable Alpha	Private	Vintage Year	Vintage Year	Vintage Year	Vintage Year	Vintage Year
	Allocation Account	Equity Account	Equity Account	Markets Account	Income Account	Fixed Income Account	Debt Account	Funds Account	Wind Down Account (2)	Equity Account	2000 Account	2001 Account	2002 Account	2003 Account	2004 Account
Ratios and supplementary data:	710000111	710000111	71000 01110	710000111	710000111	710000111	710000111	710000111	710000111 (2)	710000111	710000111	710000111	710000111	710000111	710000111
2015															
Total net return (1)	3.41%	6.60%	(2.94)%	(6.14)%	4.58%	(5.14)%	1.96%	3.64%	(4.25)%	5.03%	5.97%	7.56%	4.11%	13.06%	5.97%
Net assets, end of year (\$'000s)	59,982,623	11,745,353	10,341,307	4,011,292	8,377,734	3,702,871	1,350,323	5,575,153	32,057	52,713	103,656	102,397	20,089	145,442	119,669
Units outstanding, end of year ('000s)	203,159	46,508	37,600	9,780	33,603	13,416	10,533	67,998	345	131	339	158	92	367	1,192
2014															
Total net return (1)	17.18%	24.78%	24.23%	13.76%	5.66%	6.90%	15.18%	10.72%	(5.88)%	8.25%	23.80%	27.29%	8.97%	21.56%	52.79%
Net assets, end of year (\$'000s)	59,507,530	11,478,177	10,382,202	4,263,167	8,398,309	3,787,240	1,360,006	5,845,587	49,684	94,631	137,922	133,764	35,025	197,688	257,109
Units outstanding, end of year ('000s)	208,428	48,451	36,639	9,756	35,228	13,017	10,817	73,892	512	247	478	222	167	564	2,714
2013	12.28%	21.98%	19.34%	5.10%	(0.45)%	3.07%	0.100/ /	3) 12.20%	2.39%	3.28%	8.68%	10.100/	11.79%	4.52%	8.87%
Total net return (1)  Net assets, end of year (\$'000s)	52,274,725	11,066,413	9,531,557	3,438,125	6,712,701	3,444,265	9.16% (3 1,269,546	4,903,178	72,275	160,679	173,402	10.18% 189,340	58,316	4.52% 270,764	265,784
Units outstanding, end of year ('000s)	214,541	58,286	41,787	8,951	29,751	12,655	11,630	68,628	72,273	454	744	400	303	939	4,287
2012	214,541	30,200	41,707	0,551	25,751	12,033	11,030	00,020	701	757	7-1-1	400	303	333	4,207
Total net return (1)	(0.54)%	3.64%	(12.15)%	(16.79)%	7.96%	2.81%	N/A	(1.74)%	(7.47)%	(0.35)%	5.23%	(2.66)%	26.76%	0.80%	9.06%
Net assets, end of year (\$'000s)	48,101,609	9,415,207	8,155,824	3,261,031	6,352,958	4,180,242	N/A	4,809,557	110,458	177,159	278,587	242,301	66,969	345,110	360,592
Units outstanding, end of year ('000s)	221,647	60,491	42,670	8,923	28,029	15,830	N/A	75,522	1,097	517	1,299	564	389	1,251	6,332
2011															
Total net return (1)	21.97%	32.07%	30.69%	28.88%	5.31%	16.18%	N/A	7.48%	6.43%	20.27%	15.85%	23.12%	32.48%	22.22%	50.10%
Net assets, end of year (\$'000s)	49,546,154	11,073,922	10,865,457	3,304,907	6,619,356	3,024,257	N/A	3,611,056	220,570	275,801	370,120	298,784	121,827	416,819	415,720
Units outstanding, end of year ('000s)	227,076	73,736	49,937	7,525	31,528	11,775	N/A	55,719	2,027	802	1,816	677	897	1,523	7,961
2010															
Total net return (1)	12.47%	14.50%	9.50%	23.57%	11.56%	32.22%	N/A	7.10%	2.25%	15.73%	14.13%	17.76%	12.96%	24.05%	14.37%
Net assets, end of year (\$'000s) Units outstanding, end of year ('000s)	40,753,645 227,816	8,188,194 72,008	8,264,027 49,641	2,338,946 6,864	5,774,372 28,965	2,897,661 13,107	N/A	3,154,587 52,318	776,629 7,595	339,078 1,186	480,643 2,732	324,708 906	100,441 980	411,075 1,826	365,651 10,458
S. , , , ,	227,810	72,008	49,641	0,804	28,905	13,107	N/A	52,318	7,595	1,180	2,/32	906	980	1,820	10,458
2009 Total net return (1)	(24.41)%	(32.13)%	(31.95)%	(31.98)%	(5.57)%	(11.60)%	N/A	(14.45)%	N/A	(23.13)%	(18.99)%	(22.76)%	(27.47)%	(22.82)%	(19.91)%
Net assets, end of year (\$'000s)	37,113,501	9,164,719	7,146,289	1,887,971	4,897,346	2,883,436	N/A	2,135,634	N/A	343,288	483,606	317,591	86,586	393,043	318,973
Units outstanding, end of year ('000s)	233,338	92,280	47,004	6,846	27,405	17,245	N/A	37,934	N/A	1,390	3,137	1,043	954	2,177	10,485
2008	233,330	32,200	17,001	0,010	27,103	17,2.15	,	37,33	.,,,,	2,550	5,157	1,013	55.	2,1,,	10,103
Total net return (1)	(2.30)%	(15.69)%	(9.27)%	(0.03)%	14.18%	2.04%	N/A	1.73%	N/A	19.23%	17.10%	18.39%	19.01%	18.81%	21.15%
Net assets, end of year (\$'000s)	49,845,944	13,180,182	10,119,936	2,761,180	8,510,469	2,511,813	N/A	2,614,238	N/A	457,054	642,580	417,740	114,619	531,381	388,181
Units outstanding, end of year ('000s)	236,891	90,077	45,297	6,810	44,973	13,280	N/A	39,723	N/A	1,422	3,377	1,060	916	2,272	10,222
2007															
Total net return (1)	19.53%	20.60%	26.15%	42.26%	4.78%	14.73%	N/A	13.82%	N/A	24.53%	23.15%	50.18%	26.70%	63.10%	22.32%
Net assets, end of year (\$'000s)	49,519,109	15,049,415	10,574,561	2,750,631	7,800,673	2,329,393	N/A	2,569,001	N/A	533,033	698,900	509,022	102,564	555,480	319,874
Units outstanding, end of year ('000s)	229,913	86,717	42,945	6,782	47,065	12,568	N/A	39,711	N/A	1,977	4,301	1,529	976	2,822	10,204
Ratios to average net assets:															
2015															
Ratio of expenses, including indirect management fees	0.53%	0.14%	0.18%	0.31%	0.10%	0.47%	1.55%	1.40%	0.04%	0.04%	0.25%	0.22%	0.76%	0.38%	0.90%
Ratio of expenses, excluding indirect management fees	0.16%	0.14%	0.18%	0.31%	0.09%	0.30%	0.04%	0.04%	0.02%	0.04%	0.04%	0.05%	0.04%	0.04%	0.05%
Ratio of net investment income (loss)	2.05%	1.69%	2.72%	2.09%	1.06%	5.17%	1.90%	(0.01)%	(0.02)%	1.40%	1.16%	5.14%	8.21%	5.62%	2.15%
2014 Ratio of expenses, including indirect management fees	0.55%	0.14%	0.19%	0.27%	0.11%	0.49%	1.90%	1.50%	0.10%	0.03%	0.25%	0.59%	0.49%	0.59%	0.88%
Ratio of expenses, including indirect management fees Ratio of expenses, excluding indirect management fees	0.55%	0.14%	0.19%	0.27%	0.11%	0.49%	0.04%	0.05%	0.10%	0.03%	0.25%	0.59%	0.49%	0.59%	0.88%
Ratio of net investment income (loss)	2.45%	1.65%	3.23%	2.10%	2.57%	5.41%	1.98%	(0.05)%	(0.02)%	1.82%	2.47%	1.16%	(0.05)%	2.20%	4.30%
2013	2.75/0	1.03/6	3.23/0	2.10/0	2.5770	3.71/0	1.50/0	(0.03)/0	(0.02)/6	1.02/0	2.7770	1.10/0	(0.05)/6	2.20/6	4.50%
Ratio of expenses, including indirect management fees	0.55%	0.08%	0.19%	0.33%	0.14%	0.85%	0.92% (3	3) 1.33%	0.13%	-%	0.39%	0.59%	0.77%	0.90%	0.94%
Ratio of expenses, excluding indirect management fees	0.14%	0.08%	0.19%	0.32%	0.12%	0.34%	0.01% (3		0.02%	(0.03)%	0.07%	0.09%	0.05%	0.05%	0.12%
Ratio of net investment income (loss)	2.53%	2.02%	2.93%	2.59%	2.87%	6.27%	2.37% (3	3) (0.05)%	(0.02)%	3.86%	4.02%	2.53%	1.19%	2.11%	1.60%

# Financial Highlights Ratios, continued

							Public		Portable		Vintage	Vintage	Vintage	Vintage	Vintage
		General	Domestic	International	Emerging	Core Fixed	Value-Added	Hedge	Alpha	Private	Year	Year	Year	Year	Year
		Allocation	Equity	Equity	Markets	Income	Fixed Income	Funds	Wind Down	Equity	2000	2001	2002	2003	2004
		Account	Account	Account	Account	Account	Account	Account	Account (2)	Account	Account	Account	Account	Account	Account
2012															
	Ratio of expenses, including indirect management fees	0.50%	0.09%	0.19%	0.32%	0.14%	0.89%	0.91%	0.09%	0.24%	0.54%	0.73%	0.81%	0.83%	0.80%
	Ratio of expenses, excluding indirect management fees	0.14%	0.09%	0.19%	0.30%	0.13%	0.18%	0.04%	0.02%	0.04%	0.07%	0.08%	0.04%	0.04%	0.11%
	Ratio of net investment income (loss)	2.55%	1.91%	3.37%	2.61%	3.41%	4.67%	(0.04)%	(0.02)%	0.38%	2.74%	0.96%	1.13%	2.23%	2.08%
2011															
	Ratio of expenses, including indirect management fees	0.50%	0.08%	0.19%	0.35%	0.15%	0.96%	0.81%	0.06%	0.32%	1.25%	1.49%	0.97%	0.89%	1.05%
	Ratio of expenses, excluding indirect management fees	0.14%	0.08%	0.19%	0.32%	0.14%	0.15%	0.03%	0.02%	(0.01)%	0.06%	0.08%	0.06%	0.02%	0.09%
	Ratio of net investment income (loss)	2.54%	1.76%	3.05%	2.34%	3.88%	3.67%	(0.03)%	(0.01)%	0.57%	2.34%	3.65%	(0.04)%	2.12%	0.79%
2010															
	Ratio of expenses, including indirect management fees	0.54%	0.20%	0.23%	0.25%	0.16%	1.08%	0.82%	0.14%	0.79%	1.57%	1.07%	1.13%	0.89%	1.16%
	Ratio of expenses, excluding indirect management fees	0.15%	0.08%	0.23%	0.17%	0.14%	0.28%	0.03%	0.02%	0.16%	0.08%	0.08%	0.06%	0.06%	0.18%
	Ratio of net investment income (loss)	2.34%	1.49%	2.69%	1.59%	3.85%	4.07%	(0.02)%	(0.01)%	0.75%	2.11%	1.47%	(0.05)%	2.94%	0.99%
2009															
	Ratio of expenses, including indirect management fees	0.51%	0.29%	0.29%	0.48%	0.14%	0.89%	0.85%	N/A	0.94%	1.39%	1.21%	1.19%	0.96%	1.67%
	Ratio of expenses, excluding indirect management fees	0.10%	0.11%	0.29%	0.38%	0.12%	0.16%	0.04%	N/A	0.16%	0.06%	0.07%	0.06%	0.06%	0.27%
	Ratio of net investment income (loss)	2.78%	1.72%	3.19%	2.19%	4.60%	5.97%	(0.03)%	N/A	0.04%	0.31%	1.18%	(0.02)%	0.37%	0.43%
2008									_						
	Ratio of expenses, including indirect management fees	0.52%	0.27%	0.26%	0.21%	0.17%	0.85%	0.76%	N/A	0.98%	1.43%	0.99%	1.13%	0.58%	0.97%
	Ratio of expenses, excluding indirect management fees	0.25%	0.17%	0.26%	0.10%	0.16%	0.21%	0.04%	N/A	0.14%	0.02%	0.02%	0.02%	0.02%	0.27%
	Ratio of net investment income (loss)	2.70%	1.49%	2.84%	2.23%	5.32%	5.41%	(0.02)%	N/A	1.85%	0.58%	1.63%	0.15%	0.32%	0.62%
2007															
	Ratio of expenses, including indirect management fees	0.54%	0.29%	0.27%	0.46%	0.13%	0.70%	1.26%	N/A	1.06%	1.61%	1.02%	1.55%	0.94%	1.49%
	Ratio of expenses, excluding indirect management fees	0.27%	0.16%	0.27%	0.33%	0.13%	0.24%	0.03%	N/A	0.19%	0.08%	0.09%	0.08%	0.08%	0.31%
	Ratio of net investment income (loss)	2.93%	1.87%	2.73%	2.76%	4.96%	5.95%	(0.03)%	N/A	2.89%	2.56%	6.96%	-%	4.57%	0.22%

<sup>(1)</sup> Total net return calculation is based on the value of a single unit of participation outstanding throughout the year. It represents the percentage change in the net asset value per unit between the beginning and end of the year.

<sup>(2)</sup> Prior to January 1, 2010, Portable Alpha assets were reflected in the Domestic Equity portfolio.

<sup>(3)</sup> Denotes account commenced operations subsequent to the beginning of the fiscal year. Total return and ratios not annualized.

# Financial Highlights Ratios, continued

	Vintage Year 2005 Account	Vintage Year 2006 Account	Vintage Year 2007 Account	Vintage Year 2008 Account	Vintage Year 2009 Account	Vintage Year 2010 Account	Vintage Year 2011 Account	Vintage Year 2012 Account	Vintage Year 2013 Account	Vintage Year 2014 Account	Vintage Year 2015 Account	Core Real Estate Account	Noncore Real Estate Account	Timber / NR Account	Cash Overlay Account	Portfolio Completion Strategies Account
Ratios and supplementary data:																
2015																
Total net return (1)	15.15%	11.51%	9.04%	16.66%	24.02%	19.09%	24.07%	11.77%	(5.24)%	(13.53)%	(6.26)% (2		N/A	(2.04)%	5.19%	(5.21)% (2)
Net assets, end of year (\$'000s) Units outstanding, end of year ('000s)	594,274 4,277	848,797 9,049	1,154,470 41,282	1,017,713 9,816	494,545 5,390	762,278 7,290	704,428 11,447	425,548 31,126	170,840 1,974	177,995 2,634	40,871 436	6,093,142 12,305	N/A N/A	2,347,050 9,353	567,427 3,658	94,882 1,001
2014	4,277	3,043	41,202	5,010	3,330	7,230	11,447	31,120	1,574	2,034	430	12,303	14/15	3,333	3,030	1,001
Total net return (1)	20.33%	23.18%	22.67%	30.63%	27.66%	27.52%	17.90%	16.81%	(8.66)%	(21.85)% (2)	N/A	12.91%	N/A	12.81%	47.46% (2)	N/A
Net assets, end of year (\$'000s)	703,977	1,098,091	1,319,704	1,050,050	401,949	597,679	435,298	215,895	52,887	3,204	N/A	5,380,022	N/A	2,374,863	549,427	N/A
Units outstanding, end of year ('000s)	5,834	13,054	51,443	11,815	5,433	6,807	8,777	17,648	579	41	N/A	12,093	N/A	9,271	3,726	N/A
2013 Total not return (1)	13.07%	13.29%	14.39%	17.96%	15.65%	14.41%	(1.98)%	(21.87)%	N/A	N/A	N/A	12.28%	N/A	6.27%	N/A	N/A
Total net return (1) Net assets, end of year (\$'000s)	801,538	1,217,424	1,212,620	17.96% 895,341	301,492	391,799	201,700	61,569	N/A N/A	N/A N/A	N/A N/A	4,382,052	N/A N/A	2,129,694	N/A N/A	N/A N/A
Units outstanding, end of year ('000s)	7,993	17,827	57,995	13,161	5,203	5,691	4,794	5,879	N/A	N/A	N/A	11,121	N/A	9,379	N/A	N/A
2012		,-	,,,,,,,			-,			•	•	•	•	•	-,-	•	•
Total net return (1)	16.13%	13.20%	11.33%	14.15%	0.62%	(9.88)%	(54.42)%	(86.60)% (2)	N/A	N/A	N/A	9.41%	N/A	(8.68)%	N/A	N/A
Net assets, end of year (\$'000s)	879,582	1,291,372	1,072,936	685,645	184,789	214,792	97,989	134	N/A	N/A	N/A	4,724,457	N/A	1,903,043	N/A	N/A
Units outstanding, end of year ('000s) 2011	9,918	21,422	58,687	11,889	3,688	3,569	2,283	10	N/A	N/A	N/A	13,463	N/A	8,906	N/A	N/A
Total net return (1)	19.74%	23.61%	20.56%	20.34%	(7.45)%	(29.52)%	(5.84)% (2)	N/A	N/A	N/A	N/A	20.17%	N/A	19.20%	N/A	N/A
Net assets, end of year (\$'000s)	872,773	1,208,620	804,057	439,750	86,944	44,610	1,789	N/A	N/A	N/A	N/A	4,103,735	N/A	2,003,721	N/A	N/A
Units outstanding, end of year ('000s)	11,428	22,699	48,975	8,704	1,746	668	19	N/A	N/A	N/A	N/A	12,794	N/A	8,563	N/A	N/A
2010																
Total net return (1)	15.50%	15.53%	11.18%	6.01%	(46.19)%	(5.25)% (2)	N/A	N/A	N/A	N/A	N/A	2.35%	N/A	(5.90)%	N/A	N/A
Net assets, end of year (\$'000s) Units outstanding, end of year ('000s)	750,824 11,670	913,119 20,982	467,426 33,927	203,969 4,786	18,978 349	7,080 74	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	3,767,749 13,815	N/A N/A	1,671,981 8,517	N/A N/A	N/A N/A
2009	11,070	20,982	33,327	4,780	349	74	N/A	IN/A	IV/A	N/A	N/A	13,613	IV/A	8,317	IN/A	N/A
Total net return (1)	(25.79)%	(23.62)%	(19.41)%	N/A	(23.90)%	(100.00)%	(14.84)%	N/A	N/A							
Net assets, end of year (\$'000s)	629,918	708,085	285,173	62,947	N/A	4,090,525	_	1,776,921	N/A	N/A						
Units outstanding, end of year ('000s)	11,408	18,991	23,279	1,590	N/A	15,686	_	8,518	N/A	N/A						
2008	22.400/	2 2224	(0.4.00)0/											20.500/		
Total net return (1)  Net assets, end of year (\$'000s)	22.18% 748,612	2.80% 783,796	(84.80)% 163,835	N/A (2) 8,038	N/A N/A	4.41% 5,520,030	N/A 2	20.69% 1,065,586	N/A N/A	N/A N/A						
Units outstanding, end of year ('000s)	10,060	16,056	10,778	91	N/A	16,109	_	4,350	N/A	N/A						
2007	,	,	/		,		.,,		,	,		,		.,	,	
Total net return (1)	13.02%	(38.73)%	<b>-%</b> (2)	N/A	15.65%	318.62%	14.67%	N/A	N/A							
Net assets, end of year (\$'000s)	385,139	251,773	740	N/A	4,316,265	2	1,598,166	N/A	N/A							
Units outstanding, end of year ('000s)	6,325	5,301	7	N/A	13,152	_	7,874	N/A	N/A							
Ratios to average net assets:																
2015																
Ratio of expenses, including indirect management fees	0.82%	0.80%	1.01%	0.97%	1.71%	1.61%	2.21%	3.27%	8.83%	9.28%	2.57% (2	.) 0.64%	N/A	0.70%	0.07%	0.29% (2)
Ratio of expenses, excluding indirect management fees	0.05%	0.05%	0.04%	0.11%	0.04%	0.04%	0.15%	0.05%	0.04%	0.06%	0.02% (2	,	N/A	0.40%	0.07%	0.10% (2)
Ratio of net investment income (loss)	2.68%	2.63%	1.83%	2.16%	2.54%	0.30%	(0.06)%	0.05%	(0.90)%	(0.01)%	0.10% (2	•	N/A	0.44%	-%	(0.10)% (2)
2014	2.00%	2.0570	1.0570	2.1070	2.5 170	0.5070	(0.00)/0	0.0570	(0.30)/0	(0.01)70	0.1070 (1	.,2570	.,,,,	0.1170	,,	(0.10)/0 (2)
Ratio of expenses, including indirect management fees	0.91%	0.84%	1.32%	1.70%	2.59%	2.55%	4.26%	7.53%	14.31%	10.58% (2)	N/A	0.56%	N/A	0.55%	0.09% (2)	N/A
Ratio of expenses, excluding indirect management fees	0.08%	0.06%	0.04%	0.15%	0.04%	0.04%	0.41%	0.05%	0.04%	0.11% (2)	N/A	0.17%	N/A	0.16%	0.09% (2)	N/A
Ratio of net investment income (loss)	3.18%	2.54%	1.24%	3.35%	2.18%	0.65%	(0.14)%	0.29%	18.06%	(0.11)% (2)	N/A	4.69%	N/A	0.51%	(0.08)% (2)	N/A
2013	3.10/6	2.5470	1.27/0	3.3370	2.10/0	0.0370	(0.14)/0	0.2370	20.0070	(0.11)/0 (2)	11/6	4.05/6	14/14	0.51/6	(0.00)/0 (2)	19/5
Ratio of expenses, including indirect management fees	1.01%	0.97%	1.70%	1.88%	3.26%	3.69%	7.38%	14.26%	N/A	N/A	N/A	0.49%	N/A	0.67%	N/A	N/A
Ratio of expenses, excluding indirect management fees	0.09%	0.10%	0.04%	0.16%	0.04%	0.04%	0.17%	0.08%	N/A	N/A	N/A	0.13%	N/A	0.15%	N/A	N/A
Ratio of net investment income (loss)	2.49%	1.84%	1.58%	1.03%	0.79%	0.36%	(0.13)%	(0.22)%	N/A	N/A	N/A	4.56%	N/A	0.13%	N/A	N/A
nacio of fice investment income (1033)	2.73/0	1.07/0	1.5070	1.03/0	0.7576	0.3070	(0.13)/0	(0.22)/0	14/74	14/75	11/0	4.50/0	IV/A	0.13/0	11/17	11/17

# Financial Highlights Ratios, continued

	Vintage Year 2005 Account	Vintage Year 2006 Account	Vintage Year 2007 Account	Vintage Year 2008 Account	Vintage Year 2009 Account	Vintage Year 2010 Account	Vintage Year 2011 Account	Vintage Year 2012 Account	Core Real Estate Account	Timber / NR Account
2012										
Ratio of expenses, including indirect management fees	1.02%	1.11%	2.12%	2.54%	5.61%	7.85%	16.15%	8.19% (2)	0.50%	0.78%
Ratio of expenses, excluding indirect management fees	0.08%	0.19%	0.04%	0.21%	0.04%	0.04%	0.04%	0.25% (2)	0.15%	0.19%
Ratio of net investment income (loss)	0.77%	1.14%	1.18%	0.28%	0.81%	-%	0.62%	(488.92)% (2)	4.59%	0.03%
2011										
Ratio of expenses, including indirect management fees	1.43%	1.45%	3.81%	3.98%	15.75%	13.44%	10.80%	N/A	0.53%	0.83%
Ratio of expenses, excluding indirect management fees	0.11%	0.20%	(0.01)%	0.22%	0.04%	0.05%	0.02%	N/A	0.16%	0.22%
Ratio of net investment income (loss)	2.14%	2.23%	0.53%	1.16%	0.66%	(0.04)%	(0.02)%	N/A	5.02%	0.26%
2010										
Ratio of expenses, including indirect management fees	1.93%	2.03%	5.66%	9.21%	51.16%	0.06%	N/A	N/A	0.53%	0.57%
Ratio of expenses, excluding indirect management fees	0.19%	0.30%	0.06%	0.06%	0.06%	0.06%	N/A	N/A	0.15%	0.07%
Ratio of net investment income (loss)	0.15%	0.90%	0.46%	0.72%	0.15%	(32.74)%	N/A	N/A	4.80%	0.60%
2009										
Ratio of expenses, including indirect management fees	1.67%	2.20%	7.96%	23.91%	N/A	N/A	N/A	N/A	(0.26)%	1.00%
Ratio of expenses, excluding indirect management fees	0.18%	0.28%	0.05%	0.06%	N/A	N/A	N/A	N/A	(0.59)%	0.60%
Ratio of net investment income (loss)	0.12%	0.31%	0.37%	4.62%	N/A	N/A	N/A	N/A	5.53%	(0.90)%
2008										
Ratio of expenses, including indirect management fees	2.07%	2.37%	16.71%	-%	N/A	N/A	N/A	N/A	0.79%	2.33%
Ratio of expenses, excluding indirect management fees	0.09%	0.18%	0.02%	-%	N/A	N/A	N/A	N/A	0.50%	2.10%
Ratio of net investment income (loss)	0.14%	-%	(0.11)%	-%	N/A	N/A	N/A	N/A	4.18%	(1.64)%
2007										
Ratio of expenses, including indirect management fees	5.20%	10.88%	-%	N/A	N/A	N/A	N/A	N/A	1.13%	0.98%
Ratio of expenses, excluding indirect management fees	0.22%	1.81%	-%	N/A	N/A	N/A	N/A	N/A	0.80%	0.72%
Ratio of net investment income (loss)	3.70%	(1.47)%	-%	N/A	N/A	N/A	N/A	N/A	3.94%	0.09%

<sup>(1)</sup> Total return calculation is based on the value of a single unit of participation outstanding throughout the year. It represents the percentage change in the net asset value per unit between the beginning and end of the year.

<sup>(2)</sup> Denotes account commenced operations subsequent to the beginning of the fiscal year. Total return and ratios not annualized.

## **PRIT Fund Asset Allocation**

#### As of June 30:

The following table is intended to provide readers of this CAFR with further information regarding the financial position of the PRIT Fund over the past ten years. This table provides the change in assets during this time period. This table should be read in conjunction with the discussion on asset allocation in the *Investment Section* of this CAFR.

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Domestic Equity	18.7%	19.2%	19.0%	20.8%	19.2%	22.0%	19.9%	24.4%	26.1%	29.9%
International Equity	16.5%	16.9%	17.1%	18.0%	16.7%	21.7%	20.0%	19.0%	20.0%	21.0%
Emerging Markets	7.0%	6.6%	7.0%	6.5%	6.7%	6.6%	5.7%	5.0%	5.5%	5.5%
Core Fixed Income	13.9%	13.7%	13.9%	12.6%	13.0%	13.2%	14.0%	13.0%	16.8%	15.4%
Value-Added Fixed Income	8.4%	8.3%	8.5%	8.9%	8.6%	6.0%	7.0%	7.7%	5.0%	4.6%
Private Equity	11.1%	11.3%	11.1%	11.7%	12.1%	10.7%	10.6%	9.6%	8.4%	6.7%
Real Estate	10.4%	10.0%	8.9%	8.2%	9.7%	8.2%	9.1%	10.9%	10.9%	8.6%
Timberland	3.3%	3.8%	3.9%	4.0%	3.9%	4.0%	4.1%	4.7%	2.1%	3.2%
Hedge Funds	8.6%	9.1%	9.6%	9.2%	9.9%	7.2%	7.7%	5.7%	5.2%	5.1%
Liquidating Portfolios (1)	0.3%	0.1%	0.1%	0.1%	0.2%	0.4%	1.9%	-	-	-
Overlay	0.5%	0.9%	0.9%	-	-	-	-	-	-	-
Portfolio Completion Strategies	1.2%	0.2%	-	-	-	-	-	-	-	-

Totals may not add due to rounding.

(1) Includes Portable Alpha Wind Down and Natural Resources Private Wind Down. Prior to January 1, 2010, Portable Alpha assets were reflected in the Domestic Equity portfolio. Prior to January 31, 2016, Natural Resources Private assets were reflected in the Timberland portfolio.

