# Mass

## STATE RETIREE BENEFITS TRUST FUND BOARD

**PRESENTED BY** 

Francesco Daniele, Director of Client Services Emily Green, Senior Client Services Analyst

DECEMBER 12, 2024

Deborah B. Goldberg, Treasurer and Receiver General, Chair Michael G. Trotsky, CFA, Executive Director and Chief Investment Officer

All figures as of 9/30/2024 unless otherwise noted

## **Table of Contents**

PRIM Board & PRIT Fund Overview	3
PRIM's FUTURE Initiative	12
Economic Backdrop	15
PRIT Fund Asset Allocation Targets	18
PRIT Fund Performance	22
SRBT Fund Performance	30
Municipal Outreach	32



## PRIM BOARD & PRIT FUND OVERVIEW



## **PRIT Fund Snapshot**

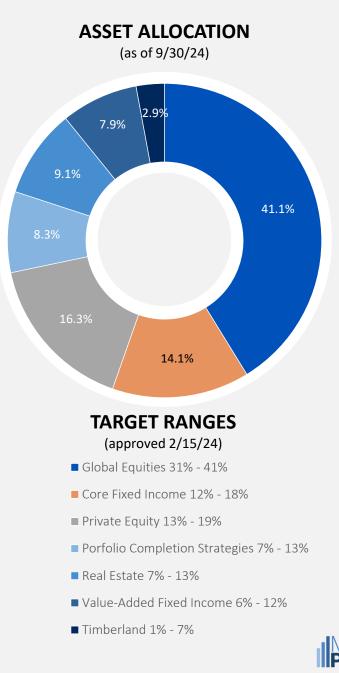
#### As of September 30, 2024

#### PRIT FUND FACTS

- \$110.5 billion AUM
- 73 public markets portfolios
- 15 real estate, timber and REIT portfolios
- 100+ private equity managers; 400+ partnerships
- 33 portfolio completion strategies managers

#### OVERSIGHT AND STAFFING

- 9 appointed and elected trustees
- 5 advisory committees, consisting of 43 industry professionals and Board members
- Staff of over 60 professionals
  - 33 Masters
  - 16 CFAs
  - 6 CPAs
  - 3 CAIAs
  - 3 JDs
  - 1 FRM
  - 1 CRE
  - 10 CFA Investment Foundations Program Certificate Holders



## **About PRIM**



# \$110.5 billion investment fund that invests public employee pension benefits

- PRIM has a professional, experienced and focused investment staff.
- PRIM does not administer benefits.

PRIM's mission is to relieve the pension funding burden on the taxpayer

- Self-funded agency which generates asset returns for the Massachusetts pension system.
- PRIM's Project SAVE initiative is achieving nearly \$300 million annualized value enhancing activities for the fund annually.

PRIM is independent and governed by a nine-member Board of Trustees

- Massachusetts State Treasurer is the Chair of the PRIM Board.
- A robust committee structure lends investment and operational expertise to the decision-making process.





#### **PRIM Core Beliefs**

We believe that any investment must be evaluated on three equally important parameters: return, risk and cost.

We don't make tactical asset allocation decisions or investment decisions based on market or economic predictions. Instead, we engineer a strategic, long-term asset allocation strategy that we hope will stand the test of a long-time horizon.

We value a basis point of cost reduction more than a basis point of return. Because we can count on cost savings every year, but nobody ever really knows what the markets will deliver.

#### **PRIM Board**



Ruth Ellen Fitch	Catherine D'Amato	Peter   Monaco	Carly Rose	Theresa F. McGoldrick, Esquire	Dennis J. Naughton	Robert L. Brousseau	Paul E. Shanley, Esquire
Appointee of the State Treasurer	Designee of the Governor, Ex Officio Member	Appointee of the Governor, Non-State Employee or Official	Appointee of the Governor, Public Safety	State Retirement Board Member (SRB)	Teachers' Retirement Board Member (TRB)	Elected Representative State Teachers' Retirement System	Elected Representative State Employees Retirement System



## **PRIM Advisory Committees**

#### **Investment Committee**

The Committee advises the Board with respect to the asset allocation policy of PRIM and related investment policies and assist the Board in overseeing the investment program. The mandate of the Investment Committee does not include real estate and timber. Members include:

- 1. Deborah B. Goldberg, Chair, Treasurer and Receiver General of Massachusetts, PRIM Board Chair (Ex Officio)
- 2. Joseph C. Bonfiglio, Massachusetts & Northern New England Laborers' District Council
- 3. C. LaRoy Brantley, Investment Consultant
- 4. Catherine D'Amato, President and CEO, The Greater Boston Food Bank
- 5. Michael Even, Former President and CEO, Numeric Investors
- 6. Constance M. Everson, CFA, Managing Director, Capital Markets Outlook Group
- 7. Ruth Ellen Fitch, Esq., Board Member, Former President and CEO, the Dimock Center
- 8. James B. G. Hearty, Board Member, Former Partner, Clough Capital (Ex Officio)
- 9. Peter Monaco, Board Member, Managing Director, Raptor Group
- 10. Phillip H. Perelmuter, Former Managing Partner, Wellington Management
- 11. Philip Rotner, Chief Investment Officer, Boston Children's Hospital
- **12.** Paul E. Shanley, Esq., Board Member, Former Director of Professional Liability, Amity Insurance
- 13. Glenn P. Strehle, CFA, Treasurer Emeritus, MIT
- 14. Timothy L. Vaill, Former Chairman and CEO, Boston Private Holdings



### **PRIM Advisory Committees**

#### **Real Estate Committee**

The Committee advises the Board in setting investment policy within the real estate and timber portfolios and assist the Board in overseeing these portfolios. Members include:

- 1. Jill S. Hatton, CRE, Chair, Real Estate Investment Professional
- 2. Deborah B. Goldberg, Treasurer and Receiver General of Massachusetts, PRIM Board Chair (Ex Officio)
- 3. Lydia Chesnick, Esq., Partner, Bernkopf Goodman LLP
- 4. Robert Gifford, RGA Corp.
- 5. Jack Lutz, PhD., Forest Research Group
- 6. William F. (Bill) McCall, Jr., CRE, McCall & Almy, Inc.
- 7. Garlan Morse, Jr., CRE, Morris and Morse Company, Inc.
- 8. Peter F. O'Connell, Marina Bay Company
- 9. Carly Rose, Board Member, Public Safety Union Member

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

The Committee assists the Board in overseeing all issues related to the governance, administration, and audit functions of PRIM, and to provide recommendations for the Board's consideration. Members include:

- 1. Robert L. Brousseau, Chair, Board Member, Retired Teacher, Town of Wareham School System
- 2. Deborah B. Goldberg, Treasurer and Receiver General of Massachusetts, PRIM Board Chair (Ex Officio)
- 3. Patrick E. Brock, Chairman, Hampshire County Retirement Board
- 4. Catherine D'Amato, President and CEO, The Greater Boston Food Bank
- 5. James B. G. Hearty, Board Member, Former Partner, Clough Capital (Ex Officio)
- 6. Theresa F. McGoldrick, Esq., Board Member, National Executive Vice President, National Association of Government Employees (NAGE)
- 7. Dennis J. Naughton, Board Member, Retired Educator, Millis Public Schools



#### **PRIM Advisory Committees**

#### Stewardship and Sustainability Committee

The Committee assists the Board in overseeing all issues related to the development and ongoing implementation of an ESG framework and related engagement activities, and to provide recommendations for the Board's approval. Members include:

- 1. Deborah B. Goldberg, Treasurer and Receiver General of Massachusetts, PRIM Board Chair (Ex Officio)
- 2. Ruth Ellen Fitch, Esq., Board Member, Former President and CEO, the Dimock Center
- 3. Theresa F. McGoldrick, Esq., Board Member, National Executive Vice President, National Association of Government Employees (NAGE)
- 4. Dennis J. Naughton, Board Member, Retired Educator, Millis Public Schools
- 5. Michael Even, Former President and CEO, Numeric Investors
- 6. Poonam Patidar, Member, Mintz
- 7. Mary Cerulli, Founder, Climate Finance Action
- 8. Marcela Pinilla, Director of Sustainable Investing, Zevin Asset Management

#### **Compensation Committee**

The Committee assists the Board in overseeing staff compensation and benefit policies. The Administration and Audit Committee is responsible for assisting the Board on other human resource matters. Members include:

- 1. Deborah B. Goldberg, Chair, Treasurer and Receiver General of Massachusetts, PRIM Board Chair (Ex Officio)
- 2. Robert L. Brousseau, Board Member, Retired Teacher, Town of Wareham School System
- 3. Patrick E. Brock, Chairman, Hampshire County Retirement Board
- 4. Catherine D'Amato, President and CEO, The Greater Boston Food Bank
- 5. Marian A. Tse, Retired Partner, Goodwin Procter



## **Recent Recognition**

#### The Allocator from With Intelligence Lifetime Achievement Award

The Allocator from With Intelligence presented Michael G. Trotsky, CFA, PRIM's Executive Director and Chief Investment Officer, with its Lifetime Achievement Award. The publication called PRIM "a beacon of public service and investment provess for the people of the Commonwealth of Massachusetts." (October 2024)

#### 2023 Chief Investment Officer Power 100 List

Michael G. Trotsky, CFA, PRIM's Executive Director and Chief Investment Officer, was named to the 2023 CIO Power 10 List by the publication, *Chief Investment Officer*. The designation honors leaders "who continue to guide their funds through volatile times and are disciplined enough to navigate whatever is ahead." (November 2023)

#### Institutional Investor's Next Generation Recognition Award

Bill Li, CFA, CAIA, Director of Portfolio Completion Strategies received *Institutional Investor's* Next Generation Recognition. The award honors "distinguished leaders within the allocator community for their outstanding contributions to portfolio construction." (May 2024)

#### **Commonwealth Citations for Outstanding Performance**

Veena Ramani, Director of Stewardship, and George Tsipakis, Director of Investment Operations, were named 2024 recipients of the Commonwealth Citation for Outstanding Performance by Treasurer Deborah B. Goldberg. (October 2024)

#### **GIPS®** Compliance

For the 7<sup>th</sup> consecutive year, PRIM has completed the CFA Institute's Global Investment Performance Standards (GIPS®) verification.\* PRIM is one of only a handful of large public pension plans to comply with the GIPS® standards. Additionally, Matt Liposky, PRIM's Chief Investment Operations Officer, was appointed by the CFA Institute to chair the GIPS® Standards Asset Owner Subcommittee. (August 2024)

#### Certificate of Achievement for Excellence in Financial Reporting – Government Finance Officer Association

PRIM was awarded the Government Finance Officer Association's Certificate of Achievement for Excellence in Financial Reporting for the 19<sup>th</sup> consecutive year. (June 2024)

#### PRIM Ranked #4 For Assets Managed by Diverse Managers by Pensions & Investments

PRIM was ranked fourth among the largest 200 funds in the U.S. for assets managed by diverse managers. This is an indication that PRIM's ongoing efforts over the years, combined with the new FUTURE initiative are putting PRIM at the top of the rankings in terms of progress. (February 2024)

#### Institutional Investor's Alpha Edge Award

PRIM's Private Equity team won Alpha Edge recognition for Alpha Generation from *Institutional Investor*, which cited PRIM's strong leadership culture, collaboration, and thesis-driven approach to manager selection as well as PRIM's annual commitment modeling process and strong long-term performance in the asset class. (July 2023)

#### Private Equity Women Investor Network Limited Partner of the Year

Private Equity Women Investment Network (PE-WIN), which is the preeminent organization for senior-level women investment professionals in private equity, recognized PRIM as "Limited Partner of the Year" for "empowering women in private equity." The award reflected both PRIM's work on investing with women and diverse managers via the FUTURE Initiative and the strong leadership presence of women on PRIM's Private Equity team. (July 2023)

#### PRIM's Private Equity Portfolio Ranked #4 by the American Investment Council

PRIM's Private Equity Portfolio was ranked 4<sup>th</sup> among 200 U.S. public pension funds based on 10-year performance by the American Investment Council's Public Pension Study. PRIM is the only fund that has been in the top five every year the study has been conducted, including #1 rankings in 2019, 2018, 2015, and 2013. (June 2024)

\*PRIM claims compliance with the Global Investment Performance Standards (GIPS®). GIPS® is a registered trademark of CFA Institute. CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein. You may obtain GIPS® compliant performance information by emailing



# **STEWARDSHIP & SUSTAINABILITY**



開いる

## **Stewardship Priorities**

These are areas of high potential for value creation where we will proactively spend the majority of our time and resources.



#### **Climate Transition Planning**

Encourage climate-aware strategic plans and business models.



#### Fair Pay

Drive uptake of equitable and transparent pay practices.



#### Sustainable Forestry

Support practices that reduce forest loss and promote resilience.

#### Transparency

Encourage improved disclosure on stewardship priorities.



## **Ambition and Action Steps for Stewardship Priorities**

Our ambition with each stewardship priority reflects the maturity of the issue, MassPRIM's expertise and resources, potential to deliver measurable outcomes and opportunities to demonstrate thought leadership in the investment community.

**Our actions** to operationalize these priorities across the fund will include:

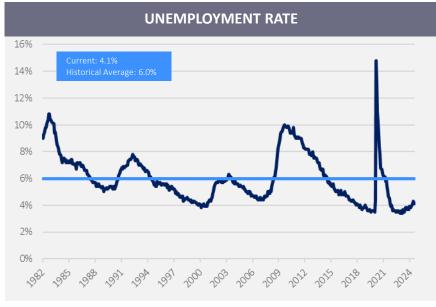
- 1) Assess impact on risk/ return: Regularly assessing how these priorities improve the risk/return profile of the PRIT Fund.
- 2) Engagement: Engaging purposefully with portfolio companies, including through proxy voting.
- 3) Manager/ consultant involvement: Actively involving investment managers and consultants across all asset classes.
- 4) Strategic partnerships: Collaborating strategically with aligned investor groups that share our objectives.
- 5) Progress assessment: Systematically tracking and reporting progress.

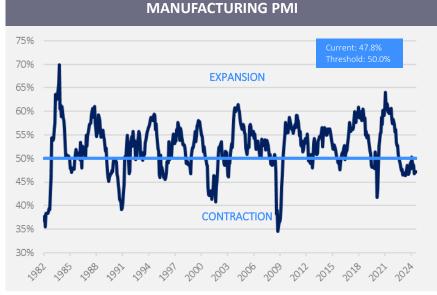


# **ECONOMIC BACKDROP**

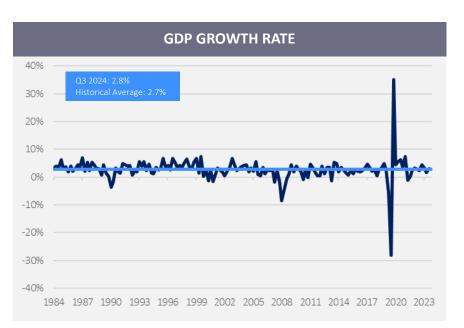


## **U.S. Economic Data**





16 Source: FactSet, PRIM Staff. All data as of September 30, 2024, or most recent report.



#### **CONSUMER PRICE INDEX**

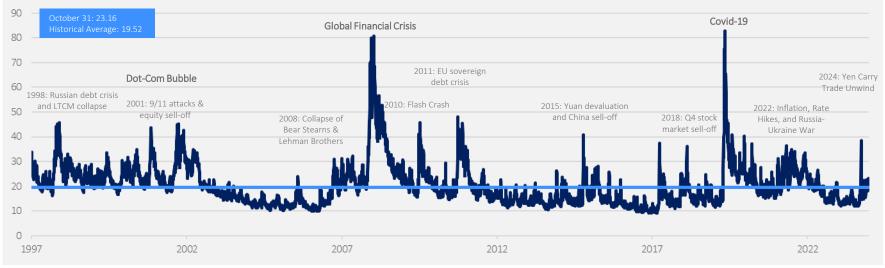


## **U.S. Economic Data**

#### WEEKLY INITIAL JOBLESS CLAIMS (IN MILLIONS) 2024

#### WTI CRUDE OIL (\$/BBL) \$200 \$150 \$100 Ś50 Ś0 -\$50

#### **CBOE MARKET VOLATILITY INDEX (VIX)**





## PRIT FUND ASSET ALLOCATION TARGETS



#### **Changes to Target Ranges – PRIT Fund Asset Allocation**

Approved February 15, 2024

Increase in Allocation Range

Value-Added Fixed Income: Target Band moves up 1% Same Allocation Range

**Core Fixed Income:** Target Band stays the same

**Private Equity:** Target Band stays the same

Real Estate: Target Band stays the same

Timberland: Target Band stays the same

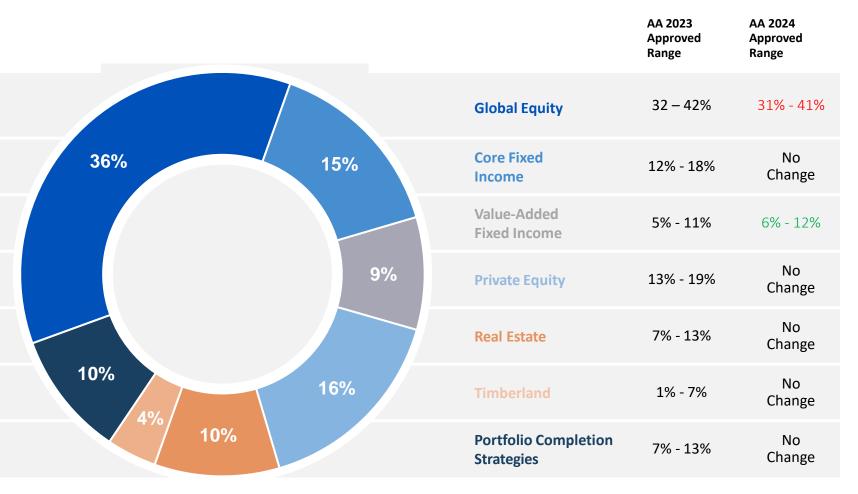
Portfolio Completion Strategies: Target Band stays the same Decrease in Allocation Range

**Global Equity:** Target Band moves down 1%



## **PRIT Asset Allocation**

Approved February 15, 2024



The ranges in the PRIM asset allocation reflect the long-standing use of bands around a midpoint. Managing the asset allocation to a particular midpoint in the range is not always possible, practical or advisable.



## **PRIM 2024 Asset Allocation Recommendations**

NEPC Capital Market Assumptions with Value-Added Fixed Income and Global Equity Changes

		12/31/23 Asset Class Assumptions			
Asset Classes	Target Range	10 Yr. Expected Return	30 Yr. Expected Return		
US Equity <sup>1</sup>		4.7%	6.9%		
International Equities <sup>2</sup>		4.9%	6.6%		
Emerging International Equities <sup>3</sup>		8.6%	9.2%		
Global Equity	31% - 41%				
Core Bonds		4.6%	4.9%		
Short-Term Fixed Income <sup>4</sup>		4.4%	4.2%		
20+ Yr. Treasury STRIPS		3.3%	4.2%		
TIPS/ILBs		4.3%	4.3%		
Core Fixed Income 12% - 18%					
Value-Added Fixed Income <sup>5</sup>	6% - 12%	7.5%	7.8%		
Private Equity	13% - 19%	9.1%	10.2%		
Real Estate <sup>6</sup>	7% - 13%	5.8%	6.6%		
Timberland <sup>7</sup>	1% - 7%	6.8%	7.1%		
Portfolio Completion (PCS) <sup>8</sup>	7% - 13%	6.0%	6.4%		
Total Fund Expected Return <sup>9</sup>		6.6%	7.7%		

1. Blended allocation to large-cap equity, small-cap equity, micro-cap equity

2. Blended allocation to large-cap equity and small-cap equity

3. Blended allocation to large-cap equity and small-cap equity

4. Modeled as Short-Term Treasury

5. Blended allocation to high yield, bank loans, EMD, private debt

6. Blended allocation to Private Real Estate and REITs

7. Timberland is modeled as Private Real Assets Infrastructure/Land

8. Modeled as equal weighted blend of Hedge Fund Equity, Credit, and Macro

12/21/22 Asset Class Assumptions

9. Asset classes modeled at the midpoint of the asset allocation range

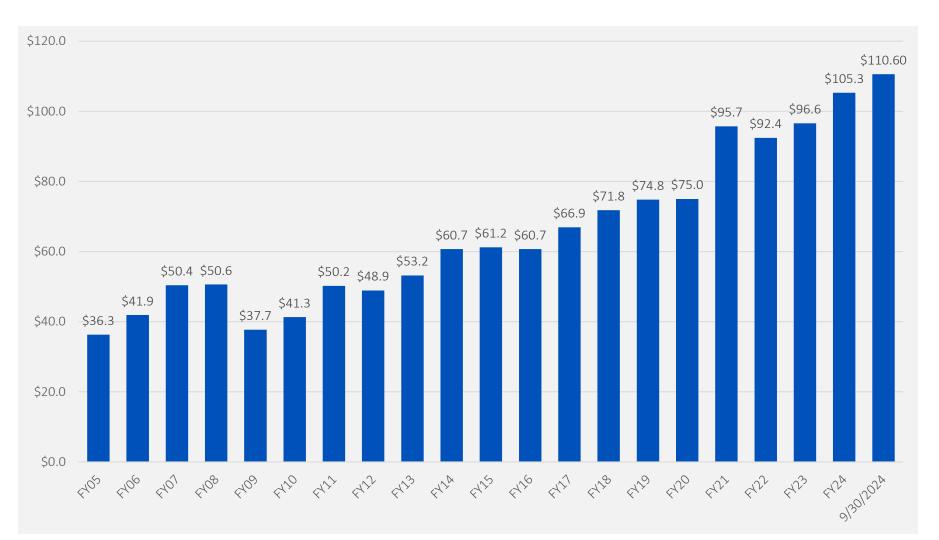


# PRIT FUND PERFORMANCE



## **Total PRIT Fund Fiscal Year Market Value**

Value (\$Billions)

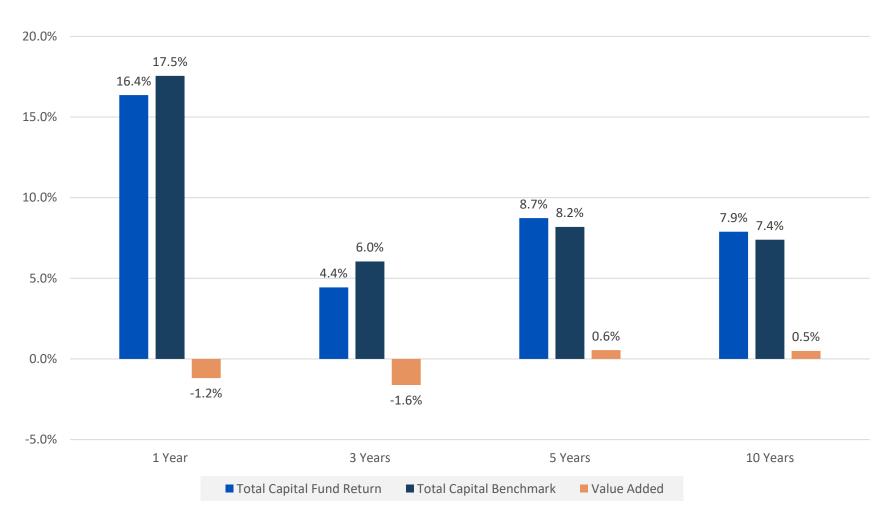




Source: BNY Mellon. As of September 30, 2024.

## **PRIT Fund Total Returns**

Annualized Returns as of September 30, 2024 (Net of Fees)

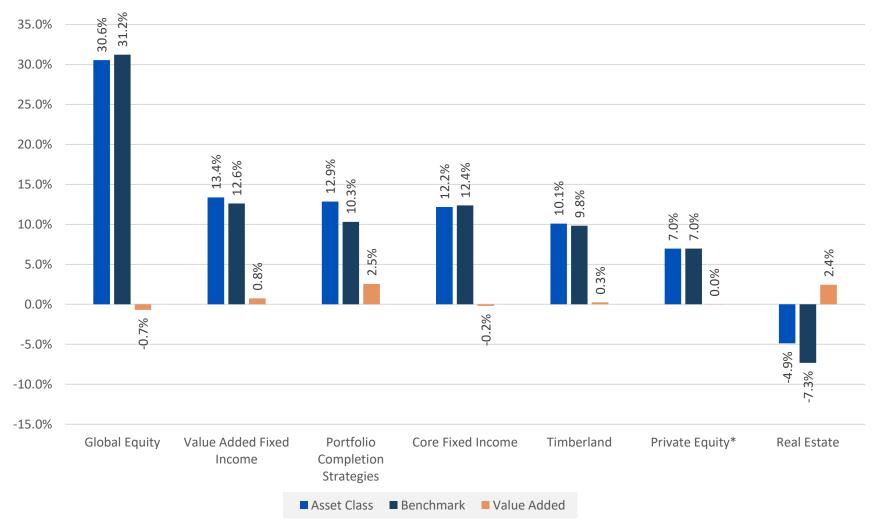


Source: BNY Mellon. Totals may not add due to rounding. Total Capital Benchmark includes private equity benchmark PRIT Fund Fiscal Year 10-year average ratio of expenses is 0.51%.



## **PRIT Asset Class Performance Summary**

One-Year Ended September 30, 2024 (Net of Fees)

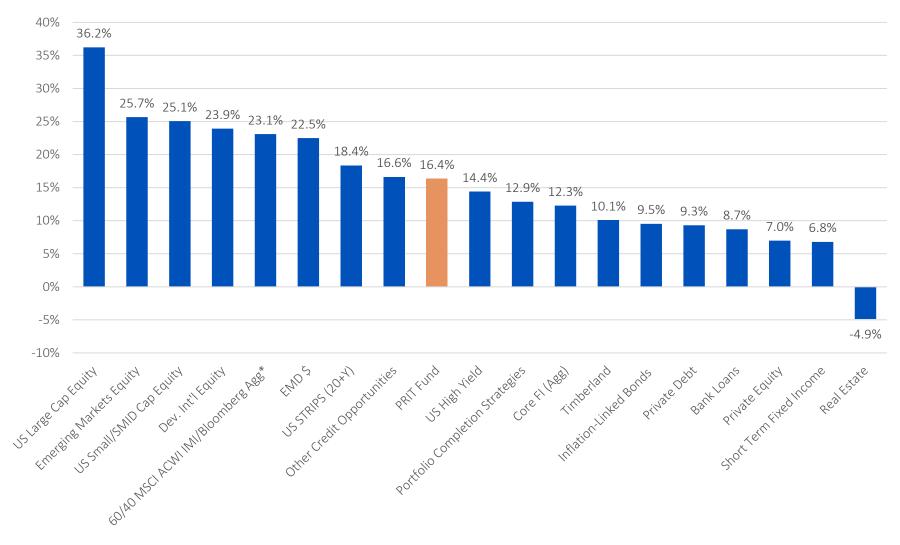


Source: BNY Mellon. Totals may not add due to rounding. \*Benchmark is actual performance.



## **PRIT Performance By Strategy – One-Year**

One-Year Ended September 30, 2024 (Net of Fees)

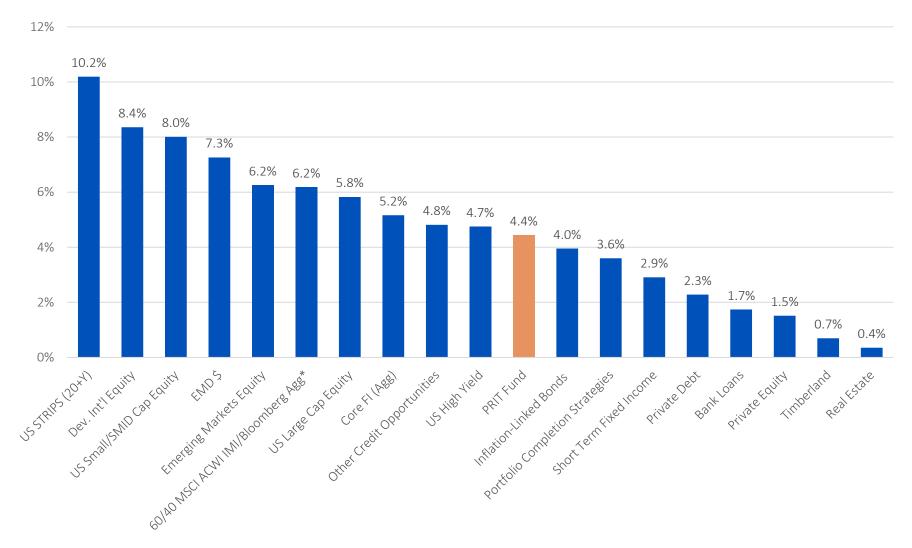


Source: BNY Mellon, FactSet. All performance figures reflected are PRIT Fund Asset Class returns. \*MSCI ACWI/Bloomberg Aggregate is derived from a 60/40 combination of index returns.



## **PRIT Performance By Strategy – Third Quarter 2024**

Quarter Ended September 30, 2024 (Net of Fees)

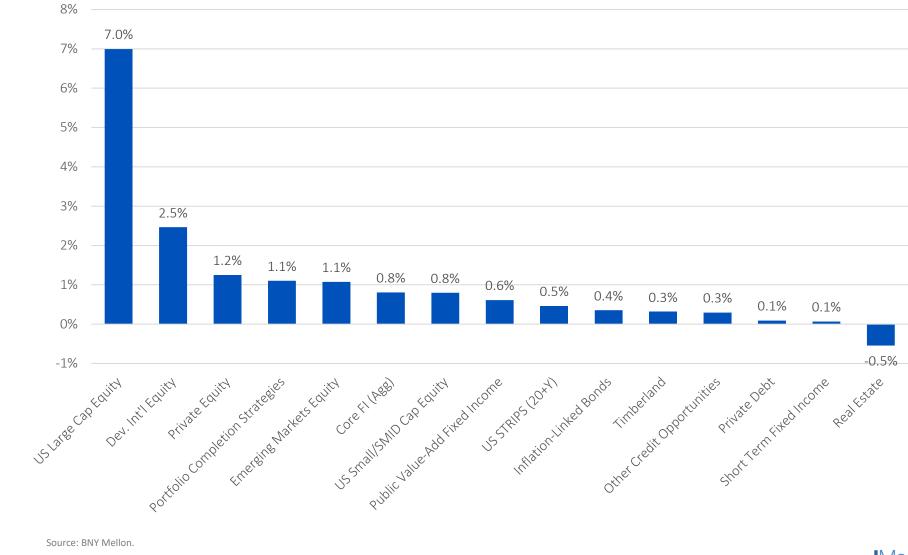


Source: BNY Mellon, FactSet. All performance figures reflected are PRIT Fund Asset Class returns. \*MSCI ACWI/Bloomberg Aggregate is derived from a 60/40 combination of index returns.



## **PRIT Fund Contribution to Return by Strategy**

One-Year Ended September 30, 2024 (Net of Fees)



## **PRIT Fund Annualized Returns By Asset Class**

As of September 30, 2024 (Net of Fees)

1 Year	3 Year	5 Year	10 Year	
GLOBAL EQUITY	TIMBER	PRIVATE EQUITY	PRIVATE EQUITY	
30.6%	9.4%	17.2%	16.7%	
VALUE-ADDED FIXED INCOME	GLOBAL EQUITY	GLOBAL EQUITY	GLOBAL EQUITY	
13.4%	7.6%	12.0%	9.4%	
PORTFOLIO COMPLETION STRATEGIES	PORTFOLIO COMPLETION STRATEGIES	TIMBER	REAL ESTATE	
12.9%	5.3%	6.6%	7.1%	
CORE FIXED INCOME	PRIVATE EQUITY	VALUE-ADDED FIXED INCOME	TIMBER	
12.2%	4.9%	5.9%	5.7%	
TIMBER	VALUE-ADDED FIXED INCOME	REAL ESTATE	VALUE-ADDED FIXED INCOME	
10.1%	4.9%	5.2%	4.7%	
PRIVATE EQUITY	REAL ESTATE	PORTFOLIO COMPLETION STRATEGIES	PORTFOLIO COMPLETION STRATEGIES	
7.0%	1.8%	5.0%	4.0%	
REAL ESTATE	CORE FIXED INCOME	CORE FIXED INCOME	CORE FIXED INCOME	
(4.9%)	(3.4%)	(0.4%)	2.4%	

Source: BNY Mellon.

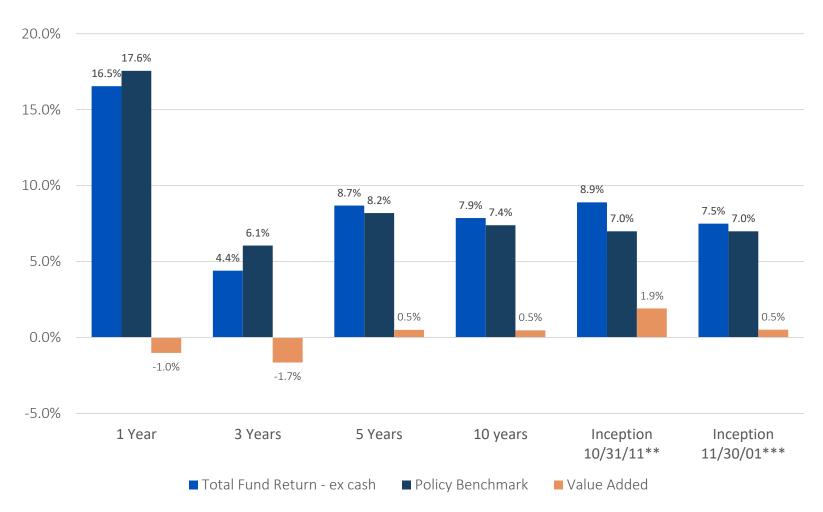


## STATE RETIREE BENEFITS TRUST FUND (SRBTF)



## **Total SRBT Fund Returns**

\$3.9 Billion\* One Year Ended September 30, 2024 (Net of Fees)



\*Participant assets, excluding Mass State Retirees, were \$1.3 billion as of September 30, 2024

\*\* The inception date for the SRBTF's investment in the PRIT Fund General Allocation Account (PRIT GA) was 10/31/2011, when 82% of the fund was transitioned from separate accounts to PRIT GA. The remaining 18% of separate account assets were transitioned over the following 14 months with 100% of assets invested in PRIT GA by 12/31/2012.

31 \*\*\* The inception date for the TOTAL FUND was 11/30/2001. This ITD value reflects the true inception-to-date return for all SRBTF assets including legacy separate account investments as well as the PRIT GA investments.



## F E MUNICIPAL OUTREACH BINT / Internet Mass

## **Governmental Entities Participating in the SRBTF**

- 1. Town of Acton
- 2. Town of Amherst
- 3. Town of Arlington
- 4. Town of Ayer
- 5. Town of Bedford
- 6. Town of Bellingham
- 7. City of Beverly
- 8. BiCounty Educational Collaborative, Franklin, MA
- 9. Town of Blackstone
- 10. Blue Hills Regional Technical School District
- 11. Boston Planning & Development Agency (BPDA)
- 12. Town of Boxford
- 13. Town of Braintree
- 14. Town of Brewster
- 15. Town of Brookline
- 16. Town of Burlington
- 17. Byfield Water District
- 18. Cape Light Compact JPE
- 19. Town of Chelmsford
- 20. Town of Cohasset
- 21. Concord Area Special Education (CASE) Collaborative
- 22. Town of Dalton
- 23. Town of Dedham
- 24. Town of Dracut
- 25. Dracut Water Supply District
- 26. Fall River Housing Authority
- 27. City of Fitchburg
- 28. Town of Franklin

Updated 9/12/2024

- 29. Franklin Regional Council of Governments
- 30. Greater Lowell Regional Technical School

- 31. Hamilton Wenham Regional School District
- 32. Town of Harvard
- 33. Town of Hingham
- 34. Town of Holliston
- 35. Town of Ipswich
- 36. Town of Lancaster
- 37. Lawrence Housing Authority
- 38. Town of Lenox
- 39. City of Leominster
- 40. Town of Lincoln
- 41. Lincoln-Sudbury Regional School District
- 42. Town of Longmeadow
- 43. Lowell Regional Transit Authority (LRTA)
- 44. Lower Pioneer Valley Educational Collaborative
- 45. Town of Manchester-By-The-Sea
- 46. Manchester Essex Regional School District
- 47. Town of Marblehead
- 48. Marblehead Municipal Light Department
- 49. Massachusetts School Building Authority
- 50. Massachusetts State College Building Authority
- 51. Mass State Retirees (SRBTF)
- 52. Mass Water Resources Authority
- 53. Town of Medfield
- 54. Town of Middleton
- 55. Town of Milton
- 56. Town of Montague
- 57. Nashoba Regional School District
- 58. Town of Needham
- 59. City of New Bedford
- 60. City of Newburyport

- 61. City of Newton
- 62. Town of North Andover
- 63. Town of Northborough
- 64. Town of Northfield
- 65. Old Rochester Regional School District
- 66. Town of Orleans
- 67. Pathfinder Regional Vocational Technical School District
- 68. Pilgrim Area Collaborative (PAC), Pembroke, MA
- 69. Town of Provincetown
- 70. Quabbin Health District
- 71. Town of Reading
- 72. Reading Municipal Light Department
- 73. Town of Sharon
- 74. Shawsheen Valley Technical High School
- 75. Somerset Berkley Regional School District
- 76. South Essex Sewerage District
- 77. South Hadley Fire District #2
- 78. Town of Stockbridge
- 79. Town of Tewksbury
- 80. Town of Wakefield
- 81. Wakefield Municipal Gas & Light Department
- 82. Town of Wayland
- 83. Town of Wellesley
- 84. Town of Westwood
- 85. Town of Wilmington
- 86. City of Worcester

# Mass

Massachusetts Pension Reserves Investment Management Board 53 State Street, Suite 600 Boston, MA 02109 617-946-8401 www.mapension.com

## **THANK YOU**

#### CONTACTS

Francesco Daniele Director of Client Services Office 617-946-8416 E-mail: fdaniele@mapension.com

Laura Strickland Senior Client Services Officer

Office 617-946-8490 E-mail: <u>lstrickland@mapension.com</u>

#### **Emily Green**

Senior Client Services Analyst Office 617-946-8486 E-mail: <u>egreen@mapension.com</u>