

INVESTMENT VENDORS

- ▶ The following is a listing of the investment managers, custodians, and consultants that serve the Massachusetts public pension systems. The listing is based on information supplied by the retirement boards.

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| ADAMS ▶ Custodian: State Street Bank & Trust ▶ Consultant: Fiduciary Investment Advisors | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • RhumbLine Advisers | |
| AMESBURY | <ul style="list-style-type: none"> • PRIT | | |
| ANDOVER ▶ Consultant: Dahab Associates | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • RhumbLine Advisers | |
| ARLINGTON ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • Wilshire Associates Inc. | |
| ATTLEBORO ▶ Custodian: People's United Bank ▶ Consultant: Dahab Associates Inc. | <ul style="list-style-type: none"> • Boston Advisors, LLC • BTG Pactual Timberland Investment Group • Copeland Capital Management • Fidelity Institutional Asset Management • Frontier Capital Management Co., LLC | <ul style="list-style-type: none"> • Hancock Timber Resource Group, Inc. • Intercontinental Real Estate Corp. • Invesco Core Real Estate USA, LP • Invesco National Trust Company | <ul style="list-style-type: none"> • Invesco National Trust Company • PRIT • RhumbLine Advisers • State Street Global Advisors |
| BARNSTABLE COUNTY | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • UBS Realty Investors, LLC | |
| BELMONT ▶ Custodian: People's United Bank ▶ Consultant: New England Pension Consultants | <ul style="list-style-type: none"> • AEW Capital Management, LP • Atlanta Capital • Carillion Tower Advisors | <ul style="list-style-type: none"> • Harbourvest Partners, LLC • Loomis Sayles & Company • Pacific Investment Management Company, LLC | <ul style="list-style-type: none"> • PRIT • RhumbLine Advisers • Rothschild Asset Management Inc. |
| BERKSHIRE COUNTY | <ul style="list-style-type: none"> • PRIT | | |
| BEVERLY | <ul style="list-style-type: none"> • PRIT | | |
| BLUE HILLS REGIONAL | <ul style="list-style-type: none"> • PRIT | | |
| BOSTON (CITY) ▶ Custodian: State Street Bank & Trust ▶ Consultant: New England Pension Consultants | <ul style="list-style-type: none"> • 57 Stars, LLC • AEW Capital Management, LP • Alcentra NY, LLC • Aberdeen Asset Management • Angelo, Gordon & Co., LP • Arlight Capital Partners, LLC • Aristotle Capital Management, LLC • Arsenal Real Estate Funds, LLC • Ascent Venture Partners • Audax Group • Aurora Management Partners • AXA Real Estate Investment Managers Ltd. • Bernzott Capital Advisors • BlackRock Advisors, LLC • Blackstone Alternative Asset Management Assoc. • Blue Point Capital Partners, LLC • Boston Millennia Partners • Brookfield Asset Management • CCMP Capital Advisors, LLC • Carlyle Realty Partners • Centersquare Investment Management Holdings, Inc. • Columbia Management Investment Advisors, LLC • Commonwealth Capital Ventures • Courtland Partners • Crescent Capital Group, LP • DDJ Capital Management • D.E. Shaw Investment Management, LLC • DRC Capital, LLP • Dune Capital Management, LP • Energy Spectrum Partners | <ul style="list-style-type: none"> • EnTrust Permal, LLC • Federal Street Partners, LLC • Fisher Investments • GAM, US • Goldentree Asset Management, LP • Grosvenor Capital Management, LP • Hamilton Lane • Hearthstone Inc. • Hunt Commercial Property • Income Research & Management • Insight Venture Management • Intech • Intercontinental Real Estate Corp. • Invesco Core Real Estate USA, LP • J.F. Lehman & Company, Inc. • J.P. Morgan Investment Management, Inc. • J.W. Childs Associates, LP • LaSalle Investment Management, Inc. • Lazard Asset Management, LLC • Lexington Partners, LP • Loomis Sayles & Company • Mesirov Advanced Strategies, Inc. • Mesirov Financial Investment Management, Inc. • MPM Capital, LP • NGP Energy Capital Management, LLC • Oaktree Capital Management, LP • PanAgora Asset Management, Inc. • Pearlmark Investment Advisors, LLC • Perella Weinberg Partners Capital Management, LP | <ul style="list-style-type: none"> • Polunin Capital Partners • Prudential Capital Partners • Prudential Real Estate Investors • RhumbLine Advisers • Sanderling Ventures • SCP Private Equity Partners • Segall Bryant & Hamill • Siguler Guff Advisers, LLC • SL Capital Partners • State Street Global Advisors • Sterling Venture Partners, LLC • TA Realty • TH Lee Putnam Ventures • Thomas H. Lee Partners, LP • Thoma Bravo, LLC • Thomas Weisel Global Growth Partners, LLC • Todd Asset Management • Tristan Capital Partners • Vanguard Venture Partners, LLC • Vontobel Asset Management, Inc. • W Capital Partners • Wells Capital Management, Inc. • Western Technology • Westfield Capital Management Company, LP • Westport Capital Partners, LLC • Z Capital Partners, LLC • Zevenbergen Capital Investments, LLC |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| BOSTON TEACHERS | <ul style="list-style-type: none"> • PRIT | | |
| BRAINTREE ▶ Custodian: SEI Private Trust Company | <ul style="list-style-type: none"> • Lexington Partners, LP | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SEI Investments Management Corporation |
| BRISTOL COUNTY ▶ Custodian: People's United Bank ▶ Consultant: Segal Marco Advisors | <ul style="list-style-type: none"> • Aberdeen Asset Management • Arrowstreet Capital, LP • Ashmore Investment Advisors, Ltd. • BlackRock Investment Management, LLC • Brookfield Timberlands Management, LP • CB Richard Ellis Group, Inc. • Clearbridge Investments • Colchester Global Investors • Columbia Management Investment Advisers, LLC • DN Partners • Dupont Capital Management • Earnest Partners, LLC • Fiera Capital Inc. | <ul style="list-style-type: none"> • Frontier Capital Management Co., LLC • GCM Customized Fund Investment Group • Hunt Investment Management, LLC • IFM Investors (US) Advisor • Income Research & Management • Intech • Intercontinental Real Estate Corp. • Invesco Advisers, Inc. • Lazard Asset Management, LLC • LSV Asset Management • Lyrical Asset Management, LP • Massachusetts Financial Services Company | <ul style="list-style-type: none"> • Mesirow Financial Private Equity Advisors, Inc. • New Boston Fund, Inc. • Pacific Investment Management Company, LLC • Polaris Capital Management, LLC • PRIT • RBC Global Asset Management (U.S.), Inc. • Rice Hall James & Associates, LLC • RREEF Management, LLC • Stone Harbor Investment Partners • TerraCap Management, LLC • Timberland Investment Resources, LLC • WL Ross & Co., LLC |
| BROCKTON ▶ Custodian: SEI Private Trust Company ▶ Consultant: Fiduciary Investment Advisors | <ul style="list-style-type: none"> • Aberdeen Asset Management • Arsenal Real Estate Partners • Ascent Venture Partners • Boston Capital Ventures • Charlesbank Capital Partners, LLC | <ul style="list-style-type: none"> • HealthPoint, LLC • Hunt Investment Management, LLC • Invesco Private Capital • Landmark Partners, LLC • Mesirow Financial Investment Management, Inc. | <ul style="list-style-type: none"> • Oppenheimer Alternative Investment Management • SEI Investments Management Corp. • Siguler Guff Advisers, LLC |
| BROOKLINE | <ul style="list-style-type: none"> • AEW Capital Management, LP • Hancock Timber Resource Group, Inc. • HarbourVest Partners, LLC | <ul style="list-style-type: none"> • Invesco Private Capital, Inc. • Lexington Partners, LP • PRIT | <ul style="list-style-type: none"> • Russell Investment Group • Sustainable Woodlands Partners, LLC |
| CAMBRIDGE ▶ Custodian: People's United Bank ▶ Consultant: Segal Marco Advisors | <ul style="list-style-type: none"> • Aberdeen Asset Management • AEW Capital Management, LP • Ascent Venture Partners • BlackRock Investment Management, LLC • Brandywine Global Investment Management, LLC • Campbell Global LLC • Fidelity Institutional Asset Management • Hamilton Lane • Hancock Natural Resource Group, Inc. | <ul style="list-style-type: none"> • IFM Investors (US) Advisor • Income Research & Management • Intercontinental Real Estate Corp. • J.P. Morgan Investment Management • Landmark Partners, LLC • Lazard Asset Management, LLC • Lexington Partners, LP • Loomis Sayles & Co. • Penn Square Global Real Estate Group, LLC | <ul style="list-style-type: none"> • Polaris Capital Management, LLC • PRIT • RBC Global Asset Management (U.S.), Inc. • RhumbLine Advisers • Rockwood Capital, LLC • State Street Global Advisors • UBS Realty Advisors, LLC • WEDGE Capital Management, LLP • Wellington Management Company |
| CHELSEA | <ul style="list-style-type: none"> • PRIT | | |
| CHICOPEE ▶ Custodian: SEI Private Trust Company | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SEI Investments Management Corp. | |
| CLINTON ▶ Consultant: Trust Advisory Group, Ltd. | <ul style="list-style-type: none"> • PRIT | | |
| CONCORD ▶ Custodian: Comerica Securities ▶ Consultant: Fiduciary Investment Advisors | <ul style="list-style-type: none"> • Columbia Threadneedle Investments | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • Russell Investment Group |
| DANVERS ▶ Custodian: People's United Bank ▶ Consultant: Graystone Consulting | <ul style="list-style-type: none"> • Barings, LLC • BMO Asset Management Corporation • Equus Capital Partners, Ltd. • Gerber-Taylor Management Company | <ul style="list-style-type: none"> • Hillswick Asset Management • Lyrical Asset Management • PRIT | <ul style="list-style-type: none"> • RhumbLine Advisers • TA Realty • TWIN Capital Management |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| DEDHAM | <ul style="list-style-type: none"> • PRIT | | |
| DUKES COUNTY ▶ Custodian: People's United Bank ▶ Consultant: Dahab Associates, Inc. | <ul style="list-style-type: none"> • Atlanta Capital • Garcia Hamilton & Associates LP | <ul style="list-style-type: none"> • Polen Capital Management, LLC • PRIT | <ul style="list-style-type: none"> • Vanguard |
| EASTHAMPTON | <ul style="list-style-type: none"> • PRIT | | |
| ESSEX COUNTY | <ul style="list-style-type: none"> • Ascent Venture Partners • BlackRock Investment Management, LLC • Boston Millennia Partners | <ul style="list-style-type: none"> • Intercontinental Real Estate Corp. • Levine Leichtman Capital Partners, Inc. • PRIT | <ul style="list-style-type: none"> • Principal Real Estate Investors, LLC • TA Realty |
| EVERETT | <ul style="list-style-type: none"> • PRIT | | |
| FAIRHAVEN | <ul style="list-style-type: none"> • PRIT | | |
| FALL RIVER | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SL Capital Partners, LLP | |
| FALMOUTH ▶ Custodian: People's United Bank ▶ Consultant: Wainwright Investment Counsel, LLC | <ul style="list-style-type: none"> • Dimensional Fund Advisors, LP • Earnest Partners, LLC • Hamilton Lane • HGK Asset Management, Inc. • Lexington Partners, LP | <ul style="list-style-type: none"> • LMCG Investments, LLC • Mesirow Financial Private Equity Advisors, Inc. • Metropolitan Real Estate Equity Management, LLC • PRIT • Prinicipal Real Estate Investors, LLC | <ul style="list-style-type: none"> • RhumbLine Advisers • SEI Trust Company • Seizert Capital Partners, LLC • Siguler Guff Advisers, LLC • State Street Global Advisors |
| FITCHBURG | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • TA Realty | |
| FRAMINGHAM | <ul style="list-style-type: none"> • PRIT | | |
| FRANKLIN COUNTY ▶ Custodian: Comerica Bank ▶ Consultant: Dahab Associates, Inc. | <ul style="list-style-type: none"> • Aberdeen Asset Management • Income Research & Management • Loomis Sayles | <ul style="list-style-type: none"> • O'Shaughnessy Asset Management, LLC • Polen Capital Management, LLC • PRIT | <ul style="list-style-type: none"> • Seizert Capital Partners, LLC • Systematic Financial Management, LP |
| GARDNER | <ul style="list-style-type: none"> • PRIT | | |
| GLOUCESTER | <ul style="list-style-type: none"> • PRIT | | |
| GREATER LAWRENCE ▶ Custodian: BNY Mellon Asset Servicing | <ul style="list-style-type: none"> • Seaward Management | | |
| GREENFIELD | <ul style="list-style-type: none"> • PRIT | | |
| HAMPDEN COUNTY ▶ Consultant: Segal Marco Advisors | <ul style="list-style-type: none"> • GCM Customized Fund Investment Group | <ul style="list-style-type: none"> • Invesco Private Capital, Inc. | <ul style="list-style-type: none"> • PRIT |
| HAMPSHIRE COUNTY ▶ Consultant: New England Pension Consultants | <ul style="list-style-type: none"> • Ascent Venture Partners • Barings LLC • Colchester Global Investors • Glouston Capital Partners, LLC • Lexington Partners, LP | <ul style="list-style-type: none"> • Massachusetts Financial Services Company • Perella Weinberg Partners Capital Management, LP • Polaris Capital Management, LLC • Portfolio Advisors, LLC | <ul style="list-style-type: none"> • PRIT • RBC Global Asset Management (U.S.) Inc. • RhumbLine Advisers • Shenkman Capital Management, Inc. |

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| Haverhill ▶ Custodian: People's United Bank ▶ Consultant: Wainwright Investment Counsel, LLC | <ul style="list-style-type: none"> • DDJ Capital Management, LLC • Fisher Investments • Global Forest Partners, LP • Globespan Capital Management, Inc. • GrandBanks Capital • income research & Management | <ul style="list-style-type: none"> • Massachusetts Financial Services Company • Mesirow Financial Institutional Real Estate • Molpus Woodlands Group, LLC • PRIT • Putnam Advisory Company, LLC • RhumbLine Advisers | <ul style="list-style-type: none"> • Stafford Private Equity, Inc. • Systematic Financial Management, LP • TerraCap Management • The DSF Group |
| Hingham ▶ Consultant: Meketa Investment Group | <ul style="list-style-type: none"> • PRIT | | |
| Holyoke ▶ Consultant: Segal Marco Advisors | <ul style="list-style-type: none"> • Aberdeen Asset Management • Acadian Asset Management, LLC • Algert Global • American Realty Advisors • Aristotle Capital Management • Boston Company Asset Management, LLC • Brandywine Global Investment Management, LLC • Constitution Capital Partners, LLC • Fidelity Institutional Asset Management | <ul style="list-style-type: none"> • Industry Capital Advisors—Berkley Partners • LMCG Investments • Long Wharf Real Estate Partners, LLC • Mesirow Financial Private Equity Advisors, Inc. • Monroe Capital • Oberweis Asset Management, Inc. • Polaris Capital Management, LLC • PRIT | <ul style="list-style-type: none"> • Putnam Investment Management, LLC • RBC Global Asset Management (U.S.) Inc. • Seizert Capital Partners, LLC • State Street Global Advisors • TerraCap Management • Wasatch Advisors, Inc. • Wells Capital Management, Inc. • Wisdom Tree Asset Management Inc. |
| Hull | <ul style="list-style-type: none"> • PRIT | | |
| Lawrence | <ul style="list-style-type: none"> • PRIT | | |
| Leominster ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> • Massachusetts Financial Services Company • PRIT | <ul style="list-style-type: none"> • Templeton Investment Counsel | <ul style="list-style-type: none"> • Union Labor Life Insurance Company |
| Lexington ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group, Inc. | <ul style="list-style-type: none"> • Acadian Asset Management, LLC • Beacon Capital Partners, LLC • Fidelity Investments • Fiduciary Management, Inc. • Golub Capital Partners | <ul style="list-style-type: none"> • Kayne Anderson Rudnick Investment Management • Loomis Sayles & Company • Matthews International Capital Management, LLC • Monroe Capital • PRIT | <ul style="list-style-type: none"> • RhumbLine Advisers • Wellington Management Company, LLP • White Oak Global Advisors, LLC • William Blair & Company, LLC |
| Lowell ▶ Custodian: People's United Bank | <ul style="list-style-type: none"> • Ascent Venture Partners • Boston Millennia Partners | <ul style="list-style-type: none"> • Charles River Ventures • Intercontinental Real Estate Corporation | <ul style="list-style-type: none"> • PRIT • Sentinel Real Estate Corporation |
| Lynn | <ul style="list-style-type: none"> • Ascent Venture Partners • BlackRock Investment Management, LLC | <ul style="list-style-type: none"> • BlackRock Realty Advisors, Inc. • Hunt Investment Management, LLC | <ul style="list-style-type: none"> • PRIT |
| Malden ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> • De Burlo Group, Inc. | | |
| Marblehead | <ul style="list-style-type: none"> • PRIT | | |
| Marlborough ▶ Custodian: Comerica Bank ▶ Consultant: Meketa Investment Group, Inc. | <ul style="list-style-type: none"> • Clarion Partners • Colony Realty Partners • Constitution Capital Partners, LLC • Dimensional Fund Advisors LP | <ul style="list-style-type: none"> • Driehaus Capital Management, LLC • Fiduciary Management, Inc. • Frontier Capital Management Co., LLC • Payden & Rygel | <ul style="list-style-type: none"> • RhumbLine Advisers • Shenkman Capital Management, Inc. • SL Capital Partners, LLP • State Street Global Advisors |
| MHFA ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group, Inc. | <ul style="list-style-type: none"> • Aberdeen Asset Management • AEW Capital Management, LP • Angelo Gordon • Ascent Venture Partners • Columbia Management Investment Advisers, LLC • Constitution Capital Partners, LLC • Dimensional Fund Advisors, LP | <ul style="list-style-type: none"> • Goldman Sachs Asset Management, LP • HarbourVest Partners, LLC • IFM Investors Advisor • Intercontinental Real Estate Corporation • KBI Global Investors (North America) Ltd. | <ul style="list-style-type: none"> • LMCG Investments, LLC • Logan Circle Partners, LP • Longfellow Investment Management • State Street Global Advisors • TA Realty • Victoria Capital Management |
| Massport ▶ Custodian: People's United Bank ▶ Consultant: Wilshire Associates | <ul style="list-style-type: none"> • Aberdeen Asset Management, Inc. • Baillie Gifford Overseas Limited | <ul style="list-style-type: none"> • PRIT • Pzena Investment Management, LLC | <ul style="list-style-type: none"> • State Street Global Advisors • Wellington Management Company, LLP |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| MTRS (Mass Teachers' Retirement System) | <ul style="list-style-type: none"> • PRIT | | |
| MWRA <ul style="list-style-type: none"> ▶ Custodian: People's United Bank ▶ Consultant: New England Pension Consultants | <ul style="list-style-type: none"> • Alcentra NY, LLC • Ascent Venture Partners • Boston Capital Ventures • Boston Company Asset Management, LLC • Boston Partners • CarVal Investors • Castile Ventures • Cerberus Capital Management, LP • Coho Partners, Ltd. • Constitution Capital Partners LLC • Corbin Capital Partners LP • Courtland Partners • Entrust Permal, LLC • Foundry Group, LLP • Garcia Hamilton & Associates LP | <ul style="list-style-type: none"> • Invesco Trust Company • Invesco Private Capital, Inc. • J.F. Lehman & Company • Kayne Anderson Capital Advisors, LP • Landmark Partners, LLC • Lee Munder Capital Group, LLC • Loomis Sayles & Company • Lord, Abbett & Co. LLC • Morgan Stanley • Pacific Investment Management Company, LLC • Park Square Capital • Pinebridge Investments, LLC • Polen Capital Management, LLC | <ul style="list-style-type: none"> • PRIT • Private Advisors, LLC • RhumbLine Advisers • Schroders Investment Management North America, Inc. • SEI Trust Corporation • Select Equity Group, LP • TA Realty • TerraCap Management • UBS Hedge Fund Solutions, LLC • Wellington Management Company, LLP • William Blair & Company, LLC • WL Ross & Co., LLC |
| MAYNARD <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> • Boston Advisors, LLC | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • Sequin Partners, LLC |
| MEDFORD <ul style="list-style-type: none"> ▶ Custodian: People's United Bank ▶ Consultant: New England Pension Consultants | <ul style="list-style-type: none"> • City of London Investment Management • Columbia Management Investment Advisors, LLC • Garcia Hamilton • Lazard Asset Management, LLC | <ul style="list-style-type: none"> • Loomis Sayles & Company • PRIT • RhumbLine Advisers | <ul style="list-style-type: none"> • Standard Life Investment • Western Asset Management Company • William Blair & Company, LLC |
| MELROSE | <ul style="list-style-type: none"> • Ascent Venture Partners • Hunt Investment Management, LLC | <ul style="list-style-type: none"> • Invesco Private Capital, Inc. | <ul style="list-style-type: none"> • PRIT |
| METHUEN | <ul style="list-style-type: none"> • BlackRock Investment Management, LLC | <ul style="list-style-type: none"> • PRIT | |
| MIDDLESEX COUNTY <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> • Ares Management, LLC • Ascent Venture Partners • Auda Private Equity, LLC | <ul style="list-style-type: none"> • Boston Millennia Partners • Global Forest Partners, LP • Globespan Capital Management, Inc. | <ul style="list-style-type: none"> • Hunt Investment Management, LLC • North Atlantic Venture Fund • PRIT |
| MILFORD | <ul style="list-style-type: none"> • PRIT | | |
| MILTON | <ul style="list-style-type: none"> • PRIT | | |
| MINUTEMAN REGIONAL | <ul style="list-style-type: none"> • PRIT | | |
| MONTAGUE | <ul style="list-style-type: none"> • PRIT | | |
| NATICK <ul style="list-style-type: none"> ▶ Custodian: People's United Bank ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SEI Investments Management Corp. | <ul style="list-style-type: none"> • SL Capital Partners, LLP |
| NEEDHAM | <ul style="list-style-type: none"> • PRIT | | |
| NEW BEDFORD <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust ▶ Consultant: Segal Marco Advisors | <ul style="list-style-type: none"> • Aberdeen Asset Management, Inc. • Acadian Asset Management, LLC • Blackrock Realty Advisors, Inc. • Boston Company Asset Management, LLC • Hamilton Lane • Hancock Natural Resource Group, Inc. • Hunt Investment Management, LLC | <ul style="list-style-type: none"> • Intercontinental Real Estate Corp. • Invesco Private Capital, Inc. • Lexington Advisors, Inc. • Loomis Sayles & Company • Mesirow Private Equity Advisors, Inc. • Neuberger Berman Management • Pacific Investment Management Company, LLC | <ul style="list-style-type: none"> • SEI Trust Company • State Street Global Advisors Limited • TA Realty • UBS Realty Investors, LLC • Wellington Management Company, LLP • Westfield Capital Management Company, LP • Wilton Asset Management, LLC |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| NEWBURYPORT | <ul style="list-style-type: none"> • PRIT | | |
| NEWTON | <ul style="list-style-type: none"> • PRIT | | |
| NORFOLK COUNTY <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust ▶ Consultant: Wainwright Investment Counsel, LLP | <ul style="list-style-type: none"> • Allianz Global Investors Fund Management, LLC • ArLight Capital Partners, LLC • Ariel Investments • Ascend Ventures Group, LLC • Boston Millennia Partners • Centersquare Investment Management Holdings, Inc. • Centre Lane Partners, LLC • CHL Medical Partners • Clarion Partners • Collier Investments • Constitution Capital Partners, LLC • Corsair Capital LLC • D.E. Shaw Investment Management, LLC • DSF Group • EnTrust Partners, LLC • Gamco Asset Management, Inc. | <ul style="list-style-type: none"> • Gerding Edlen Investment Management, LLC • Globespan Capital Management, Inc. • Goldentree Asset Management, LP • Halpern Denny • Hamilton Lane • HarbourVest Partners, LLC • Hunt Investment Management, LLC • Income Research & Management • Intercontinental Real Estate Corporation • Invesco Private Capital, Inc. • Lazard Asset Management, LLC • LLM Capital Partners • LMCG Investments • Loomis, Sayles & Company • Mesirow Capital Partners IX, LP • Mesirow Financial Institutional Real Estate • MFS International Advisors, Inc. | <ul style="list-style-type: none"> • Monitor Venture Management • Northern Trust • Preferred Investors • PRIT • PRISM Venture Partners • RhumbLine Advisers • Seizert Capital Partners, LLC • Siguler Guff Advisors, LLC • SL Capital Partners, LLP • State Street Global Advisors • TerraCap Management • Victory Capital Management • Wellesley Advisors Corporation • Wellington Management Company, LLP • Wilshire Associates, Inc. • Windmill Investments |
| NORTH ADAMS <ul style="list-style-type: none"> ▶ Custodian: People's United Bank | <ul style="list-style-type: none"> • De Burlo Group, Inc. | <ul style="list-style-type: none"> • PRIT | |
| NORTH ATTLEBORO <ul style="list-style-type: none"> ▶ Custodian: People's United Bank ▶ Consultant: Dahab Associates, Inc. | <ul style="list-style-type: none"> • AmSouth Bank • Aristotle Capital Management, LLC • Atlanta Capital • Axiom International Investors, LLC • Blackrock Realty Advisors, Inc. | <ul style="list-style-type: none"> • Brandes Investment Partners, LP • Chicago Equity Partners, LLC • Davenport & Company, LLC • Intercontinental Real Estate Corporation | <ul style="list-style-type: none"> • Lazard Asset Management, LLC • Loomis Sayles & Company • RhumbLine Advisers • Vontobel Asset Management, Inc. |
| NORTHAMPTON <ul style="list-style-type: none"> ▶ Custodian: People's United Bank | <ul style="list-style-type: none"> • De Burlo Group, Inc. | <ul style="list-style-type: none"> • PRIT | |
| NORTHBRIDGE | <ul style="list-style-type: none"> • PRIT | | |
| NORWOOD <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group, Inc. | <ul style="list-style-type: none"> • Aberdeen Asset Management, Inc. • American Funds • Atlanta Capital • Boston Company Asset Management, LLC • Columbia Management Investment Advisors, LLC | <ul style="list-style-type: none"> • Constitution Capital Partners • Dimensional Fund Advisors, LP • HarbourVest Partners, LLC • IFM Investors Advisor | <ul style="list-style-type: none"> • Landmark Partners, LLC • PRIT • RhumbLine Advisers • State Street Global Advisors |
| PEABODY | <ul style="list-style-type: none"> • PRIT | | |
| PITTSFIELD | <ul style="list-style-type: none"> • Hunt Investment Management, LLC | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SL Capital Partners, LLP |
| PLYMOUTH <ul style="list-style-type: none"> ▶ Custodian: People's United Bank ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> • Acadian Asset Management • Babson Capital Management • BlackRock Advisors, LLC • Boston Advisors, LLC • Boston Trust Investment Management, Inc. | <ul style="list-style-type: none"> • Columbia Management Investment Advisors • Invesco Trust Company • PRIT • Rhumbline Advisers | <ul style="list-style-type: none"> • Robeco Institutional Asset Management Inc. • Templeton Investment Counsel • Wellington Management Company, LLP • Westfield Capital Management Company, LP |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| <p>PLYMOUTH COUNTY</p> <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group | <ul style="list-style-type: none"> • ABS Investment Management, LLC • AEW Capital Management, LP • Akina Limited • Ascend Venture Group • Ascent Venture Partners • Audax Management Company (NY), LLC • Basalt Infrastructure Partners • Berkshire Property Advisors, LLC • Boston Company Asset Management, LLC • BTG Pactual Timberland Investment Group • Carlyle Investment Management • Charles River Ventures • Constitution Capital Partners, LLC • Copper Rock Capital Partners • Denver Investments • DN Partners • DSF Group • Eaton Vance Investment Counsel | <ul style="list-style-type: none"> • EnTrust Partners Offshore, LP • Fisher Investments • First Eagle Investment Management • Franklin Templeton Investment Management • Global Infrastructure Management, LLC • Globespan Capital Management, Inc. • HGK Asset Management, Inc. • Hunt Investment Management, LLC • IFM Investors Advisor • Income Research & Management • Invesco Trust Company • J.P. Morgan Investment Management, Inc. • KBI Global Investors (North America Ltd.) • Kopernik Global Investors • Landmark Partners, LLC • Leeds Equity Partner • Lexington Partners, LP • LLR Management • LMCG Investments | <ul style="list-style-type: none"> • Mesrow Financial Capital Partners IX, LP • Mesrow Financial Institutional Real Estate • Multi Employer Property Trust • Munder Capital Management • New Boston Fund, Inc. • Old Farm Partnership • Prudential Real Estate Investors • RhumbLine Advisers • Rohatyn Group • SEI Trust Company • Siguler Guff Advisers, LLC • Summit Partners, LP • TA Realty • THL Credit Advisors, LLC • TimberVest, LLC • Trilantic Capital Management L.P. • Wellesley Advisors Corporation • Wellington Management • Wellspring Capital Management, LLC |
| <p>QUINCY</p> <ul style="list-style-type: none"> ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group, Inc. | <ul style="list-style-type: none"> • Aberdeen Asset Management, Inc. • Acadian Asset Management, LLC • Adams Street Partners, LLC • AEW Capital Management, LP • Beach Point Capital Management, LP • Brookfield Asset Management • Brown Advisory, LLC • Colony Realty Partners • Columbia Management Investment Advisors, LLC • Copper Rock Capital Partners, LLC | <ul style="list-style-type: none"> • Goldman Sachs Asset Management, LP • Hancock Timber Resource Group, Inc. • IFM Investors Advisor • J.P. Morgan Investment Management • LLR Management • Loomis Sayles & Company • Oppenheimer Alternative Investment Management • PRIT • RhumbLine Advisers | <ul style="list-style-type: none"> • Ridgemont Equity Partners • Rockwood Capital • SL Capital Partners, LLP • State Street Global Advisors • Stone Harbor Investment Partners, LP • TA Realty • Trilantic Capital Management L.P. • UBS Realty Investors, LLC • Wellspring Capital Management |
| <p>READING</p> | <ul style="list-style-type: none"> • PRIT | | |
| <p>REVERE</p> | <ul style="list-style-type: none"> • PRIT | | |
| <p>SALEM</p> | <ul style="list-style-type: none"> • Ascent Venture Partners | <ul style="list-style-type: none"> • PRIT | |
| <p>SAUGUS</p> | <ul style="list-style-type: none"> • PRIT | | |
| <p>SHREWSBURY</p> <ul style="list-style-type: none"> ▶ Consultant: Dahab Associates, Inc. | <ul style="list-style-type: none"> • PRIT | | |
| <p>SOMERVILLE</p> <ul style="list-style-type: none"> ▶ Custodian: Comerica Securities | <ul style="list-style-type: none"> • Congress Asset Management Company, LLP • Lazard Asset Management, LLC | <ul style="list-style-type: none"> • Loomis Sayles & Company • PRIT | <ul style="list-style-type: none"> • RhumbLine Advisers • UBS Realty Investors, LLC |
| <p>SOUTHBRIDGE</p> | <ul style="list-style-type: none"> • PRIT | | |
| <p>SPRINGFIELD</p> <ul style="list-style-type: none"> ▶ Custodian: PeoplesBank | <ul style="list-style-type: none"> • Boston Millennia Partners | <ul style="list-style-type: none"> • Crescendo Ventures Management, LLC | <ul style="list-style-type: none"> • PRIT |
| <p>STATE</p> | <ul style="list-style-type: none"> • PRIT | | |
| <p>STONEHAM</p> <ul style="list-style-type: none"> ▶ Custodian: SEI Private Trust Company ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> • PRIT | <ul style="list-style-type: none"> • SEI Investments Management Corp. | |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| SWAMPSCOTT ▶ Custodian: People's United Bank ▶ Consultant: Dahab Associates | <ul style="list-style-type: none"> Aristotle Capital Management, LLC Intercontinental Real Estate Corporation | <ul style="list-style-type: none"> LMCG Investments, LLC North Sky Capital, LLC | <ul style="list-style-type: none"> PRIT |
| TAUNTON ▶ Custodian: People's United Bank ▶ Consultant: Dahab Associates, Inc. | <ul style="list-style-type: none"> Aberdeen Asset Management BlackRock Investment Management, LLC Boston Millennia Partners Brandywine Global Investment Management, LLC Ceres Partners, LLC C.S. Mckee, LP Earnest Partners, LLC Frontier Capital Management Co., LLC GAM International Management Limited | <ul style="list-style-type: none"> Glovista Investments, LLC Intercontinental Real Estate Corporation Invesco Core Real Estate USA, LP Invesco Trust Company Invesco Private Capital, Inc. LMCG Investments, LLC Manulife Asset Management, LLC Molpus Woodlands Group, LLC Polen Capital Management, LLC | <ul style="list-style-type: none"> Quantitative Management Association Segall Bryant & Hamill Systemic Financial Management State Street Global Advisors TimberVest, LLC Vontobel Asset Management, Inc. Weaver C. Barksdale & Associates Wells Capital Management, Inc. |
| WAKEFIELD | <ul style="list-style-type: none"> PRIT | | |
| WALTHAM ▶ Custodian: SEI Private Trust Company ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> Ascent Venture Partners Hunt Investment Management, LLC Invesco Private Capital, Inc. | <ul style="list-style-type: none"> Precision Capital Advisors, LLC PRIT | <ul style="list-style-type: none"> RCP Advisors, LLC SEI Investments Management Corporation VSS Messanine Partners |
| WATERTOWN ▶ Custodian: State Street Bank & Trust ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> Acadian Asset Management, LLC American Realty Advisors Arsenal Real Estate Funds, LLC Auda Private Equity, LLC Brandywine Global Investment Management, LLC Columbia Management Investment Advisors, LLC | <ul style="list-style-type: none"> Earnest Partners, LLC Eaton Vance Management Guggenheim Partners Income Research & Management Lee Munder Capital Group, LLC Massachusetts Financial Services Company PRIT | <ul style="list-style-type: none"> RCP Advisors, LLC SEI Trust Company TA Realty TerraCap Management, LLC Wellington Management Company, LLP |
| WEBSTER ▶ Custodian: People's United Bank ▶ Consultant: Wainwright Investment Counsel, LLC | <ul style="list-style-type: none"> HGK Asset Management Inc. Lee Munder Capital Group, LLC LMCG Investments | <ul style="list-style-type: none"> Loomis Sayles & Company PRIT | <ul style="list-style-type: none"> RhumbLine Advisers SEI Trust Company |
| WELLESLEY | <ul style="list-style-type: none"> PRIT | | |
| WEST SPRINGFIELD ▶ Custodian: Comerica | <ul style="list-style-type: none"> AmSouth Bank | <ul style="list-style-type: none"> De Burlo Group, Inc. | |
| WESTFIELD | <ul style="list-style-type: none"> Addenda Capital Boston Company Asset Management, LLC Columbia Management Investment Advisors, LLC Constitution Capital Partners, LLC Fisher Investments Hamilton Lane Income Research & Management | <ul style="list-style-type: none"> Intercontinental Real Estate Corporation Lazard Asset Management, LLC LMCG Investments Long Wharf Real Estate Partners, LLC Loomis Sayles & Company Polaris Capital Management, LLC PRIT | <ul style="list-style-type: none"> RBC Global Asset Management (U.S.), Inc. SEI Trust Company State Street Global Advisors TerraCap Management Wasatch Advisors, Inc. Wells Capital Management, Inc. WisdomTree Asset Management Inc. |

| RETIREMENT BOARD | INVESTMENT VENDORS | | |
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| WEYMOUTH ▶ Custodian: Comerica ▶ Consultant: Fiduciary Investment Advisors, LLC | <ul style="list-style-type: none"> Aberdeen Asset Management, Inc. Acadian Asset Management, LLC Adams Street Partners Ashmore Investment Advisors BlackRock Advisors, LLC Boston Company Asset Management, LLC Brandywine Global Investment Management, LLC Constitution Capital Partners, LLC Harbor Capital Advisors Inc. | <ul style="list-style-type: none"> HarbourVest Partners, LLC Intercontinental Real Estate Corporation Invesco Private Capital, Inc. Landmark Partners, LLC Loomis Sayles & Company OFI Global Institutional, Inc. Principal Global Investors LLC Pioneer Institutional Asset Management Inc. | <ul style="list-style-type: none"> PRIT RhumbLine Advisers RS Investment Management Company, LLC Singular Guff Advisers, LLC State Street Global Advisors Stockbridge Core and Value Advisors TerraCap Management, LLC Wasatch Advisors |
| WINCHESTER ▶ Custodian: State Street Bank & Trust | <ul style="list-style-type: none"> Guggenheim Partners PRIT | <ul style="list-style-type: none"> Wellington Management Company, LLP | |
| WINTHROP | <ul style="list-style-type: none"> PRIT | | |
| WOBURN ▶ Custodian: State Street Bank & Trust ▶ Consultant: Wainwright Investment Counsel, LLC | <ul style="list-style-type: none"> Alliance Bernstein, LP Charlesbank Capital Partners, LLC Earnest Partners, LLC Hunt Investments, LLC | <ul style="list-style-type: none"> Invesco Private Capital, Inc. Loomis Sayles & Company PRIT RhumbLine Advisers | <ul style="list-style-type: none"> Stafford Private Equity Inc. State Street Global Advisors Wilshire Associates, Inc. Victory Capital Management |
| WORCESTER ▶ Custodian: State Street Bank & Trust ▶ Consultant: Meketa Investment Group | <ul style="list-style-type: none"> Acadian Asset Management, LLC AEW Capital Management, LP American Securities, LLC Ascent Venture Partners Boston Capital Ventures Boston Millenia Partners BTG Pactual Timberland Investment Group, LLC Capital International, Inc. Charlesbank Capital Partners, LLC Global Infrastructure Management, LLC | <ul style="list-style-type: none"> Hancock Natural Resource Group, Inc. Harvest Partners, LP IFM Investors (US) Advisor, LLC income research & Management Invesco Private Capital, Inc. Lazard Asset Management, LLC Lee Munder Capital Group, LLC Loomis Sayles & Company Newstone Capital Partners, LLC Northstar Company, LLC | <ul style="list-style-type: none"> PRIT Ridgmont Equity Partners Riverside Company SL Capital Partners, LLP State Street Global Advisors TA Associates Management Vitruvian Partners, LLP White Deer Energy William Blair & Company, LLC |
| WORCESTER REGIONAL | <ul style="list-style-type: none"> AEW Capital Management, LP Ascent Venture Partners | <ul style="list-style-type: none"> Hunt Investments, LLC PRIT | <ul style="list-style-type: none"> SL Capital |

RETIREMENT BOARD

PRIM

- ▶ **Custodian:** BNY Mellon
- ▶ **Consultants:** Aberdeen Asset Management, Callan Associates, Hamilton Lane, NEPC, Townsend

INVESTMENT VENDORS

- 400 Capital Management
- Acadian Asset Management, LLC
- Access Capital
- Acon Investments
- Advent International
- AEW Capital Management
- AFL-CIO Housing Investment Trust
- AgIS Capital, LLC
- Alchemy Partners
- Alta Communications
- American Securities Capital Partners
- Anchorage Capital, LLC
- Angelo Gordon
- APAX Partners & Co.
- Apollo Management Co.
- AQR Capital
- Arden Asset Management
- Ascent Venture Partners
- Ashmore Investment Management, Ltd.
- Austin Ventures
- Avenue Capital Group
- Baillie Gifford
- Bain Capital
- Battery Ventures
- Berkshire Partners
- Blackrock Financial Management, Inc.
- Blackstone Capital Partners
- Boston Ventures
- Brandywine Global Investment Management
- Bridgepoint Capital Limited
- Brigade Capital G.P., LLC
- Brookfield Investment Management
- Campbell Group, LLC
- Candover
- Cantab Capital Partners, LP
- Canvas Capital
- Canyon Johnson II
- Capula Management Limited
- Carlyle Group
- Carlyle Partners
- Castille
- Catalyst Investors
- Centerbridge
- Centerbridge Special Credit Partners
- CenterSquare Investment Management
- Charlesbank Capital Partners
- Charles River Ventures
- Charterhouse Group
- Chequers
- City of London Investment Management Co.
- Clifton Group
- Code, Hennessy & Simmons
- Commonwealth Capital Ventures
- Community Capital Management
- Complus Asset Management Limited
- Contrarian Capital
- Crescent Capital Group
- CVC Capital
- Cypress Merchant Banking Partners
- Davidson Kempner Advisors, Inc.
- Denham Capital Management
- DivcoWest
- DLJ Merchant Banking Partners
- Driehaus Capital Management, LLC
- East Lodge Capital
- Eaton Vance Institutional Funds
- El Dorado Ventures
- Elliot Capital Advisors, LP
- Equitable Capital Management Corporation
- Essex Woodlands Health Ventures
- Ethos Private Equity
- Exponent Private Equity Partners
- Fidelity Management Trust Company
- FIS Group, Inc.
- First Reserve Corporation
- Flagship Ventures
- Forest Investment Associates
- Frontier Capital Management
- Freeman Spogli Equity Partners
- GENSTAR Capital
- Gilde Buy Out Partners AG
- Goldman Sachs Investment Management
- Gores Capital
- GSO Capital Partners
- GTCR Golder Rauner
- Harding Loevner
- Hellman & Friedman Capital Partners
- H.I.G. Capital Partners
- Highfields Associates, LLC
- Highland Capital Partners
- Hony Capital
- Index Ventures
- Informed Portfolio Management
- Insight Venture Partners
- Institutional Venture Partners
- Intercontinental IV
- InterWest Partners
- Invesco Realty Advisors
- Investec Asset Management
- JEN Partners
- Kainos Capital, LLC
- Kelso & Company
- Kepha Partners
- Keytone Ventures
- Kohlberg Kravis Roberts and Co.
- KPS Capital Partners
- Land and Buildings Investment Management
- Landmark Equity Partners
- LaSalle Investment Management
- Loomis, Sayles & Company
- Lord Abbett
- Lovell Minnick Partners
- Madison Dearborn Capital Partners
- Marathon — London
- M/C Venture Partners
- Mexixi Ventures
- Menlo Ventures
- Mondrian Investment Partners Ltd.
- Montagu
- Montreux Equity Partners
- Mudrick Capital Management, LP
- Nautic Partners
- New Boston Urban Fund I
- New Enterprise Associates
- Nordic Capital
- Oaktree Capital Management
- Odyssey Investment Partners
- Olympus Partners
- Onex Capital Partners
- OZ Advisors, LP
- Pacific Alternative Asset Management Co. (PAAMCO)
- Pacific Investment Management Co. (PIMCO)
- PAI Europe
- PanAgora Asset Management, Inc.
- Permira Ventures
- Pershing Square G.P., LLC
- Pictet Asset Management, Inc.
- Polaris Venture Partners
- Providence Equity Partners
- Pzena Investment Management
- Quantum Energy Partners
- Quad-C Management
- Rembrandt Venture Partners
- Rhone Group, LLC
- Riverbridge Partners
- Russell Implementation Source
- SAIF Partners
- SCP Vitalife
- SECOR Asset Management
- Shenkman Capital Management
- Sherbrooke Capital
- Sofinnova Ventures, Inc.
- Spark Capital
- Spectrum Equity Partners
- State Street Global Advisors
- Steadfast Capital Management LP
- Stone Harbor Investment Partners LP
- Summit Creek Advisors
- Summit Ventures
- SV Life Sciences Advisors
- TA Associates/Advent
- Technology Crossover Ventures
- Texas Pacific Group
- Thoma Bravo
- Thoma Cressy Partners
- Thomas H. Lee Equity Partners, LP
- Torquest Partners
- Towerbrook Capital Partners
- Trident Capital
- Trust Company of the West (TCW)
- Union Square Ventures
- VantagePoint Partners
- Vestar Capital Partners
- Vista Equity Partners
- Voya Financial
- Wasatch Advisors Inc.
- Wayzata Investment Partners
- Welsh, Carson, Anderson & Stowe
- Weston Presidio Capital
- WestView Capital Partners
- Whitney & Company
- Willis Stein
- Winton Capital Management
- Xenon Private Equity, LTD