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.

<b>Retirement Board</b>		Investment Vendors	
Adams	PRIT Fund		
Amesbury	PRIT Fund		
Andover  Consultant: Dahab Associates	PRIT Fund	RhumbLine Advisers	
Arlington  • Custodian: People's United Bank	= PRIT Fund		
Attleboro • Custodian: People's United Bank • Consultant: Dahab Associates Inc.	<ul> <li>Amalgated Bank</li> <li>BTG Pactual Timberland Investment Group</li> <li>Copeland Capital Management</li> <li>Fidelity Institutional Asset Management</li> <li>Frontier Capital Management Co., LLC</li> </ul>	<ul> <li>Hancock Timber Resource Group, Inc.</li> <li>Intercontinental Real Estate Corp.</li> <li>Invesco Core Real Estate USA, LP</li> <li>Invesco National Trust Company</li> <li>Peregrine Capital</li> </ul>	<ul> <li>PRIT Fund</li> <li>RhumbLine Advisers</li> <li>State Street Global Advisors</li> <li>Van Eck</li> </ul>
Barnstable County	PRIT Fund		
Belmont <ul> <li>Custodian: People's United Bank</li> <li>Consultant: NEPC, LLC</li> </ul>	= PRIT Fund	AEW Capital Management, LP     Atlanta Capital     Carillion Tower Advisors     HarbourVest Partners, LLC	<ul> <li>Loomis, Sayles &amp; Company</li> <li>Pacific Investment Management Company, LLC</li> <li>RhumbLine Advisers</li> <li>Rothschild Asset Management Inc.</li> </ul>
Berkshire County	PRIT Fund		
Beverly	PRIT Fund		
Blue Hills Regional	PRIT Fund		
Boston (City) • Custodian: State Street Bank & Trust • Consultant: NEPC, LLC	<ul> <li>S7 Stars, LLC</li> <li>ABS Investment Management, LLC</li> <li>AEW Capital Management, LP</li> <li>Aberdeen Asset Management</li> <li>Alcentra NY, LLC</li> <li>Allspring Global Investments, Inc.</li> <li>American Securities</li> <li>Angelo, Gordon &amp; Co., LP</li> <li>Apollo Global Management, Inc.</li> <li>Arclight Capital Partners, LLC</li> <li>Aristotle Capital Management, LLC</li> <li>Arsenal Real Estate Funds, LLC</li> <li>Ascent Venture Partners</li> <li>Audax Group</li> <li>Aurora Management Partners</li> <li>Bain Capital</li> <li>Bernzott Capital Advisors</li> <li>BlackRock Advisors, LLC</li> <li>Blackstone Alternative Asset Management Assoc.</li> <li>Boston Millennia Partners</li> <li>Brookfield Asset Management</li> <li>CCMP Capital Advisors, LLC</li> <li>Carlyle Realty Partners</li> <li>Columbia Management Investment Advisors, LLC</li> <li>Crescent Capital Group, LP</li> <li>CVC Capital Partners</li> <li>D.E. Shaw Investment Management, LP</li> </ul>	<ul> <li>Energy Spectrum Partners</li> <li>EnTrust Global Partners</li> <li>FSN Capital</li> <li>Goldentree Asset Management, LP</li> <li>Grosvenor Capital Management, LP</li> <li>Hamilton Lane</li> <li>HarbourVest Partners, LLC</li> <li>H.I.G. Capital</li> <li>ICONIQ Capital, LLC</li> <li>Incline Elevate</li> <li>Income Research &amp; Management</li> <li>Insight Venture Management</li> <li>Intercontinental Real Estate Corp.</li> <li>Invesco Core Real Estate USA, LP</li> <li>J.F. Lehman &amp; Company, Inc.</li> <li>J.P. Morgan</li> <li>Kayne Anderson Capital Advisors, LP</li> <li>KPS Capital Partners, LP</li> <li>Lazard Asset Management, LLC</li> <li>Lexington Partners B.V.</li> <li>Mesirow Advanced Strategies, Inc.</li> <li>MPM Capital, LP</li> <li>NGP Energy Capital Management, LLC</li> <li>PanAgora Asset Management, LC</li> <li>Perella Weinberg Partners Capital Management, LP</li> <li>PanAgora Asset Management, Inc.</li> </ul>	<ul> <li>Polen Capital Management, LLC</li> <li>Polunin Capital Partners</li> <li>Prudential Capital Partners</li> <li>Prudential Real Estate Investors</li> <li>RhumbLine Advisers</li> <li>Roark Capital Partners</li> <li>Sanderling Ventures</li> <li>SCP Private Equity Partners</li> <li>Segall Bryant &amp; Hamill</li> <li>Siguler Guff Advisers, LLC</li> <li>SL Capital Partners</li> <li>State Street Global Advisors</li> <li>STG Partners, LLC</li> <li>Sterling Fund Management</li> <li>Summit Partners, LP</li> <li>TA Realty</li> <li>Technology Crossover Ventures</li> <li>THL Credit Senior Loan Strategies, LLC</li> <li>Thoma Bravo, LLC</li> <li>Todd Asset Management</li> <li>Tristan Capital Partners</li> <li>Vontobel Asset Management, Inc.</li> <li>Western Technology</li> <li>Westfield Capital Partners, LLC</li> <li>Zepenbergen Capital Partners, LLC</li> <li>Zevenbergen Capital Investments, LLC</li> <li>ZMC Advisors LP</li> </ul>

Retirement Board		Investment Vendors	
<b>Boston Teachers</b>	PRIT Fund		
Braintree  Custodian: SEI Private Trust Company	<ul> <li>SEI Investments</li> </ul>	Lexington Partners, LP	PRIT Fund
<ul> <li>Bristol County</li> <li>Custodian: People's United Bank</li> <li>Consultant: Segal Marco Advisors</li> </ul>	<ul> <li>Aberdeen Asset Management</li> <li>Arrowstreet Capital, LP</li> <li>Ashmore Investment Advisors, Ltd.</li> <li>Bardin Hill Investment Partners</li> <li>BlackRock Investment Management, LLC</li> <li>Brookfield Timberlands Management, LP</li> <li>BTG Pactual Timberland Investment Group</li> <li>Ceres Partners, LLC</li> <li>Clearbridge Investments</li> <li>Columbia Management Investment Advisers, LLC</li> <li>DN Partners</li> <li>Dupont Capital Management</li> </ul>	<ul> <li>Earnest Partners, LLC</li> <li>Entrust Global</li> <li>Fiera Capital Inc.</li> <li>Fiduciary Trust International</li> <li>Frontier Capital Management Co., LLC</li> <li>GCM Customized Fund Investment Group</li> <li>Goldentree Asset Management, LP</li> <li>Hancock Timber Resource Group, Inc.</li> <li>IFM Investors (US) Advisor</li> <li>Intercontinental Real Estate Corp.</li> <li>Lazard Asset Management, LLC</li> <li>LSV Asset Management</li> </ul>	<ul> <li>Lyrical Asset Management, LP</li> <li>Mesirow Financial Private Equity Advisors, Inc.</li> <li>Pacific Investment Management Company (PIMCO)</li> <li>Polaris Capital Management, LLC</li> <li>PRIT Fund</li> <li>RBC Global Asset Management (U.S.), Inc.</li> <li>RREEF Management, LLC</li> <li>Stone Harbor Investment Partners</li> <li>TerraCap Management, LLC</li> <li>Timberland Investment Resources, LLC</li> </ul>
<ul> <li>Brockton</li> <li>Custodian: SEI Private Trust Company</li> <li>Consultant: Fiducient Advisors, LLC</li> </ul>	<ul> <li>SEI Investments</li> </ul>	<ul> <li>Aberdeen Asset Management</li> <li>Ascent Venture Partners</li> </ul>	<ul> <li>Landmark Partners, LLC</li> <li>Siguler Guff Advisers, LLC</li> </ul>
Brookline	PRIT Fund	<ul> <li>Hancock Timber Resource Group, Inc.</li> <li>HarbourVest Partners, LLC</li> <li>Invesco Private Capital, Inc.</li> </ul>	<ul> <li>Lexington Partners, LP</li> <li>Sustainable Woodlands Partners, LLC</li> </ul>
Cambridge  • Custodian: People's United Bank • Consultant: Segal Marco Advisors	<ul> <li>Aberdeen Asset Management</li> <li>BlackRock Investment Management, LLC</li> <li>Campbell Global LLC</li> <li>Fidelity Institutional Asset Management</li> <li>Hamilton Lane</li> <li>Hancock Natural Resource Group, Inc.</li> <li>IFM Investors (US) Advisor, LLC</li> <li>Income Research &amp; Management</li> </ul>	<ul> <li>Intercontinental Real Estate Corp.</li> <li>J.P. Morgan Investment Management</li> <li>Landmark Partners, LLC</li> <li>Lazard Asset Management, LLC</li> <li>Lexington Partners, LP</li> <li>Loomis Sayles &amp; Co.</li> <li>Mellon Investments Corporation</li> <li>Penn Square Global Real Estate Group, LLC</li> </ul>	<ul> <li>PineBridge Investments, LLC</li> <li>Polaris Capital Management, LLC</li> <li>PRIT Fund</li> <li>RBC Global Asset Management (U.S.), Inc.</li> <li>RhumbLine Advisers</li> <li>Rockwood Capital, LLC</li> <li>UBS Realty Advisors, LLC</li> <li>Wellington Management Company</li> </ul>
Chelsea	PRIT Fund		
Chicopee  Custodian: SEI Private Trust Company	SEI Investments	PRIT Fund	
Clinton <ul> <li>Consultant: Trust Advisory Group, Ltd.</li> </ul>	= PRIT Fund		
Concord Custodian: Comerica Bank Consultant: Fiducient Advisors, LLC	Acadian Asset Management, LLC     PRIT Fund	Rhumbline Advisers     Russell Investment Group	Wellington Management
Danvers  Custodian: People's United Bank Consultant: Graystone Consulting	<ul> <li>Barings, LLC</li> <li>BMO Asset Management Corporation</li> <li>Eagle Capital Management, LLC</li> </ul>	<ul> <li>Gerber-Taylor Management Company</li> <li>Intercontinental Real Estate Corp.</li> <li>PRIT Fund</li> </ul>	<ul> <li>RhumbLine Advisers</li> <li>TA Realty</li> <li>Western Asset Management Co.</li> </ul>

<b>Retirement Board</b>		Investment Vendors	
Dedham	PRIT Fund		
Dukes County  Custodian: People's United Bank Consultant: Dahab Associates, Inc.	<ul> <li>Aristotle Capital Management, LLC</li> <li>Atlanta Capital</li> </ul>	<ul> <li>Garcia Hamilton &amp; Associates LP</li> <li>Polen Capital Management, LLC</li> </ul>	PRIT Fund
Easthampton	PRIT Fund		
Essex County	= PRIT Fund	BlackRock Investment Management, LLC	Levine Leichtman Capital Partners, Inc
Everett	PRIT Fund		
Fairhaven	PRIT Fund		
Fall River	PRIT Fund		
<ul> <li>Falmouth</li> <li>Custodian: People's United Bank</li> <li>Consultant: Wainwright Investment Counsel, LLC</li> </ul>	<ul> <li>Dimensional Fund Advisors, LP</li> <li>Hamilton Lane</li> <li>HGK Asset Management, Inc.</li> <li>Lexington Partners, LP</li> <li>LMCG Investments, LLC</li> </ul>	<ul> <li>Lord Abbett &amp; Co., LLC</li> <li>Mesirow Financial Private Equity Advisors, Inc.</li> <li>PRIT Fund</li> <li>Rhumbline Advisers</li> </ul>	<ul> <li>SEI Investments</li> <li>Siguler Guff Advisers, LLC</li> <li>State Street Global Advisors</li> <li>TerraCap Partners</li> </ul>
Fitchburg	PRIT Fund		
Framingham	PRIT Fund		
Franklin County	Aberdeen Asset Management     Chartwell Investment Partners     Copeland Capital Management	<ul> <li>Fiera Capital Inc.</li> <li>Loomis, Sayles &amp; Company</li> <li>O'Shaughnessy Asset Management, LLC</li> </ul>	<ul><li>Polen Capital Management, LLC</li><li>PRIT Fund</li></ul>
Gardner	PRIT Fund		
Gloucester	PRIT Fund		
Greater Lawrence  • Custodian: BNY Mellon Asset Servicing	PRIO Wealth, LLC		
Greenfield	PRIT Fund		
Hampden County	PRIT Fund	GCM Customized Fund Investment Group	
Hampshire County <ul> <li>Consultant: Dahab Associates, Inc.</li> </ul>	• PRIT Fund	<ul> <li>Ascent Venture Partners</li> <li>Glouston Capital Partners, LLC</li> </ul>	<ul> <li>Lexington Partners, LP</li> <li>Portfolio Advisors, LLC</li> </ul>
<ul> <li>Haverhill</li> <li>Custodian: People's United Bank</li> <li>Consultant: Wainwright Investment Counsel, LLC</li> </ul>	• PRIT Fund	<ul> <li>Fisher Investments</li> <li>Global Forest Partners, LP</li> <li>Globespan Capital Management, Inc.</li> <li>GrandBanks Capital</li> <li>Income Research &amp; Management</li> <li>Mesirow Financial Institutional Real Estate</li> </ul>	<ul> <li>Molpus Woodlands Group, LLC</li> <li>Putnam Advisory Company, LLC</li> <li>Stafford Private Equity, Inc.</li> <li>TerraCap Management</li> <li>The DSF Group</li> </ul>
Hingham <ul> <li>Consultant: Meketa Investment Group</li> </ul>	PRIT Fund		

<b>Retirement Board</b>		Investment Vendors	
Holyoke <ul> <li>Consultant: Segal Marco Advisors</li> </ul>	<ul> <li>Aberdeen Asset Management</li> <li>Acadian Asset Management, LLC</li> <li>Allspring Global Investments, Inc.</li> <li>Aristotle Capital Management</li> <li>Constitution Capital Partners, LLC</li> <li>Entrust Global</li> <li>Fidelity Institutional Asset Management</li> <li>LMCG Investments, LLC</li> </ul>	<ul> <li>Long Wharf Real Estate Partners, LLC</li> <li>Loomis, Sayles &amp; Company</li> <li>Mesirow Financial Private Equity Advisors, Inc.</li> <li>Monroe Capital</li> <li>Newton Investment Management, LLC</li> <li>Oaktree Capital Management, LP</li> <li>Oberweis Asset Management, Inc.</li> <li>Polaris Capital Management, LLC</li> </ul>	<ul> <li>PRIT Fund</li> <li>Putnam Investment Management, LLC</li> <li>RBC Global Asset Management (U.S.) Inc.</li> <li>Seizert Capital Partners, LLC</li> <li>State Street Global Advisors</li> <li>TerraCap Management, LLC</li> <li>Wasatch Advisors, Inc.</li> <li>Western Asset Management Co.</li> </ul>
Hull	PRIT Fund		
Lawrence	PRIT Fund		
Leominster	PRIT Fund		
Lexington • Custodian: People's United Bank • Consultant: Meketa Investment Group, Inc. Lowell • Custodian: People's United Bank	<ul> <li>Acadian Asset Management, LLC</li> <li>Angelo, Gordan &amp; Co., LP</li> <li>Driehaus Capital Management, LLC</li> <li>Fidelity Investments</li> <li>PRIT Fund</li> </ul>	<ul> <li>Golub Capital Partners</li> <li>Kayne Anderson Rudnick Investment Management</li> <li>Matthews International Capital Management, LLC</li> <li>Monroe Capital</li> </ul>	<ul> <li>PRIT Fund</li> <li>RhumbLine Advisers</li> <li>Wellington Management Company, LLP</li> <li>White Oak Global Advisors, LLC</li> </ul>
Lynn	PRIT Fund	BlackRock Investment Management, LLC	BlackRock Realty Advisors, Inc.
Malden  • Custodian: People's United Bank	De Burlo Group, Inc.		
Marblehead	PRIT Fund		
Marlborough Custodian: Comerica Bank Consultant: Meketa Investment Group, Inc.	<ul> <li>Clarion Partners</li> <li>Constitution Capital Partners, LLC</li> <li>Dimensional Fund Advisors LP</li> <li>Driehaus Capital Management, LLC</li> <li>Fiduciary Management, Inc.</li> </ul>	<ul> <li>Frontier Capital Management Co., LLC</li> <li>HarbourVest Partners, LLC</li> <li>Payden &amp; Rygel</li> <li>RhumbLine Advisers</li> </ul>	<ul> <li>Rockwood Capital</li> <li>Shenkman Capital Management, Inc.</li> <li>SL Capital Partners, LLP</li> <li>State Street Global Advisors</li> </ul>
<ul> <li>MHFA</li> <li>Custodian: People's United Bank</li> <li>Consultant: Meketa Investment Group, Inc.</li> </ul>	<ul> <li>Aberdeen Asset Management</li> <li>AEW Capital Management, LP</li> <li>Ascent Venture Partners</li> <li>Constitution Capital Partners, LLC</li> <li>GQC Partners, LLC</li> </ul>	<ul> <li>Goldman Sachs Asset Management, LP</li> <li>HarbourVest Partners, LLC</li> <li>IFM Investors Advisor</li> <li>Intercontinental Real Estate Corporation</li> <li>Longfellow Investment Management</li> </ul>	<ul> <li>Lord Abbett &amp; Co., LLC</li> <li>MetLife Investment Management</li> <li>State Street Global Advisors</li> <li>TA Realty</li> </ul>
Massport  • Custodian: People's United Bank  • Consultant: Wilshire Associates	Baillie Gifford Overseas Limited     PRIT Fund	<ul> <li>Pzena Investment Management, LLC</li> <li>State Street Global Advisors</li> </ul>	Wellington Management Company, LLP
<b>MTRS</b> (Mass Teachers' Retirement System)	• PRIT Fund		

<b>Retirement Board</b>		Investment Vendors	
<b>MWRA</b> <ul> <li>Custodian: People's United Bank</li> <li>Consultant: NEPC, LLC</li> </ul>	<ul> <li>ABS Investment Management, LLC</li> <li>Alcentra NY, LLC</li> <li>Ascent Venture Partners</li> <li>Axiom International Investors, LLC</li> <li>Baillie Gifford</li> <li>Baxter Street</li> <li>Boston Partners</li> <li>CarVal Investors</li> <li>Cerberus Capital Management, LP</li> <li>Coho Partners, Ltd.</li> <li>Constitution Capital Partners LLC</li> <li>Corbin Capital Partners LP</li> <li>EnTrust Global Partners</li> </ul>	<ul> <li>Foundry Group, LLP</li> <li>Garcia Hamilton &amp; Associates LP</li> <li>Hamilton Lane</li> <li>HarbourVest Partners, LLC</li> <li>J.F. Lehman &amp; Company</li> <li>Kayne Anderson Capital Advisors, LP</li> <li>Landmark Partners, LLC</li> <li>Loomis, Sayles &amp; Company</li> <li>Lord, Abbett &amp; Co. LLC</li> <li>Mesirow</li> <li>Morgan Stanley</li> <li>Octagon Credit Investors, LLC</li> </ul>	<ul> <li>Park Square Capital</li> <li>Pinebridge Investments, LLC</li> <li>Polen Capital Management, LLC</li> <li>PRIT Fund</li> <li>Private Advisors, LLC</li> <li>RhumbLine Advisers</li> <li>Schroders Investment Management North America, Inc.</li> <li>SEI Investments</li> <li>TA Realty</li> <li>TerraCap Management, LLC</li> <li>UBS Hedge Fund Solutions, LLC</li> </ul>
Maynard <ul> <li>Custodian: People's United Bank</li> </ul>	PRIT Fund	Boston Advisors, LLC	
Medford <ul> <li>Custodian: People's United Bank</li> <li>Consultant: NEPC, LLC</li> </ul>	<ul> <li>Ashmore Investment Advisor Limited</li> <li>City of London Investment Management</li> <li>Garcia Hamilton &amp; Associates LP</li> </ul>	<ul> <li>Lazard Asset Management, LLC</li> <li>Loomis, Sayles &amp; Company</li> <li>PRIT Fund</li> </ul>	<ul> <li>RhumbLine Advisers</li> <li>William Blair &amp; Company, LLC</li> </ul>
Melrose	PRIT Fund		
Methuen	PRIT Fund	BlackRock Investment Management, LLC	
Middlesex County  • Custodian: State Street Bank & Trust	PRIT Fund	Global Forest Partners, LP	Globespan Capital Management, Inc.
Milford	PRIT Fund		
Milton	PRIT Fund		
Minuteman Regional	PRIT Fund		
Montague	PRIT Fund		
Natick  Custodian: People's United Bank Consultant: Fiducient Advisors, LLC	<ul> <li>SEI Investments</li> </ul>	• PRIT Fund	
Needham	PRIT Fund		
New Bedford  Consultant: Segal Marco Advisors	<ul> <li>Aberdeen Asset Management, Inc.</li> <li>Acadian Asset Management, LLC</li> <li>Constitution Capital Partners LLC</li> <li>Hamilton Lane</li> <li>Hancock Natural Resource Group, Inc.</li> <li>Intercontinental Real Estate Corp.</li> </ul>	<ul> <li>Lexington Advisors, Inc.</li> <li>Loomis, Sayles &amp; Company</li> <li>Mesirow Private Equity Advisors, Inc.</li> <li>Newton Investment Management, LLC</li> <li>Pacific Investment Management Company, LLC</li> </ul>	<ul> <li>Neuberger Berman Management</li> <li>SEI Investments</li> <li>State Street Global Advisors Limited</li> <li>UBS Realty Investors, LLC</li> <li>Westfield Capital Management Company, LP</li> </ul>
Newburyport	PRIT Fund		
Newton	PRIT Fund		

### **Investment Vendors Retirement Board** • Amundi Pioneer Institutional Asset Mgmt., Inc. • Gamco Asset Management, Inc. LMCG Investments, LLC Norfolk County ArcLight Capital Partners, LLC Custodian: People's United Bank • Gerding Edlen Investment Management, LLC • Loomis, Sayles & Company Aristotle Capital Management, LLC • Globespan Capital Management, Inc. Mesirow Capital Partners IX, LP ► Consultant: Wainwright Investment • Counsel, LLP • Ascend Ventures Group, LLC • Goldentree Asset Management, LP . Mesirow Financial Institutional Real Estate • BNY Mellon Asset Management N.A. Hamilton Lane · MFS International Advisors, Inc. Constitution Capital Partners, LLC HarbourVest Partners, LLC PRIT Fund . Corsair Capital LLC Income Research & Management . RhumbLine Advisers • Intercontinental Real Estate Corporation Seizert Capital Partners, LLC • D.E. Shaw Investment Management, LLC . • Siguler Guff Advisors, LLC DSF Group • Invesco Private Capital, Inc. . EnTrust Partners, LLC • Lazard Asset Management, LLC . TerraCap Management • LLM Capital Partners • Wellington Management Company, LLP De Burlo Group, Inc. PRIT Fund North Adams • Custodian: People's United Bank AmSouth Bank • Blackrock Realty Advisors, Inc. Lazard Asset Management, LLC North Attleboro Aristotle Capital Management, LLC Brandes Investment Partners, LP Loomis, Sayles & Company • Custodian: People's United Bank • Atlanta Capital Davenport & Company, LLC RhumbLine Advisers ► Consultant: Dahab Associates, Inc. • Axiom International Investors, LLC • Intercontinental Real Estate Corporation • Vontobel Asset Management, Inc. De Burlo Group, Inc. PRIT Fund • Northampton • Custodian: People's United Bank PRIT Fund Northbridge Aberdeen Asset Management, Inc. Constitution Capital Partners Newton Investment Management, LLC Norwood American Funds Dimensional Fund Advisors, LP PRIT Fund . • Custodian: People's United Bank • Aristotle Capital Management, LLC HabourVest Partners, LLC **RhumbLine Advisers** ▶ Consultant: Meketa Investment Atlanta Capital IFM Investors Advisor State Street Global Advisors Group, Inc. • Columbia Management Investment Advisors, LLC Landmark Partners, LLC PRIT Fund Peabody PRIT Fund Pittsfield Acadian Asset Management Boston Trust Walden Rhumbline Advisers Plymouth Columbia Management Investment Advisers . Aristotle Capital Management, LLC • Wellington Management Company, LLP Custodian: People's United Bank BlackRock Advisors, LLC • PRIT Fund • Westfield Capital Management Company, LP Consultant: Fiducient Advisors, LLC

### **Investment Vendors Retirement Board** ABS Investment Management, LLC Global Infrastructure Management, LLC Newton Investment Management, LLC **Plymouth County** AEW Capital Management, LP Globespan Capital Management, Inc. Old Farm Partners ▶ Custodian: State Street Bank & Trust Akina Limited . HarborVest Partner • PCCP, LLC ▶ Consultant: Meketa Investment Group RhumbLine Advisers • Aristotle Capital Management, LLC · IFM Investors Advisor . Income Research & Management . **Ridgemont Equity Partners** Ascent Venture Partners Audax Management Company (NY), LLC Invesco Trust Company **Rockpoint Capital Basalt Infrastructure Partners** Searchlight Capital Partners I Squared Capital BlackRock Advisors, LLC John Hancock Trust Company SEI Investments **BTG Pactual Timberland Investment Group** • J.P. Morgan Investment Management, Inc. • Siguler Guff Advisers, LLC Carlyle Investment Management Kohlberg & Co., LLC Summit Partners, LP • Charlesbank Capital Partners, LLC Kopernik Global Investors TA Realty • Landmark Partners, LLC . Constitution Capital Partners, LLC TimberVest, LLC **DN Partners** Lexington Partners, LP • Trilantic Capital Management L.P. • Driehaus Capital Management, LLC • Walter Scott & Partners, Ltd. . LLR Management Entrust Global Partners Waud Capital Partners Lord Abbett & Company Fisher Investments • Wellington Management . Mesirow Financial Capital Partners X, LP First Eagle Investment Management Mesirow Financial Institutional Real Estate Wellspring Capital Management, LLC Freeman Spogoli Management Acadian Asset Management, LLC • Freeman Spogli Management RhumbLine Advisers Quincy **Ridgemont Equity Partners** Adams Street Partners, LLC Global Infrastructure Management • Custodian: People's United Bank AEW Capital Management, LP • Goldman Sachs Asset Management, LP Rockwood Capital Consultant: Meketa Investment Group, Inc. Axiom Hancock Timber Resource Group, Inc. Searchlight Capital Partners HarborVest Partners • SL Capital Partners, LLP Beach Point Capital Management, LP **Brookfield Asset Management** · IFM Investors Advisor State Street Global Advisors Brown Advisory, LLC • J.P. Morgan Investment Management TA Realty . Charlesbank Capital Partners, LLC • LLR Management • TerraCap Management, LLC **Colony Realty Partners** • Torchlight Investors, LLC Loomis, Sayles & Company Columbia Management Investment Advisors, LLC Oppenheimer Alternative Investment • Trilantic Capital Management L.P. Management Driehaus Capital Management, LLC **UBS Realty Investors, LLC** PRIT Fund Entrust Permal Wellspring Capital Management Reading PRIT Fund PRIT Fund Revere PRIT Fund Salem • Aristotle Capital Management, LLC Massachusetts Financial Services Co. PRIT Fund Saugus Lord Abbett & Co., LLC RhumbLine Advisers • Custodian: People's United Bank LMCG Investments, LLC SEI Investments • Consultant: Wainwright Investment Counsel, LLP PRIT Fund Atlanta Capital • Fiera Capital Inc. Shrewsbury Earnest Partners Custodian: People's United Bank • Consultant: Dahab Associates, Inc.

Retirement Board		Investment Vendors	
Somerville  • Custodian: Comerica Bank	Congress Asset Management Company, LLP     Lazard Asset Management, LLC	<ul><li>Loomis, Sayles &amp; Company</li><li>PRIT Fund</li></ul>	RhumbLine Advisers     UBS Realty Investors, LLC
Southbridge	PRIT Fund		
Springfield	PRIT Fund		
State	PRIT Fund		
Stoneham Custodian: SEI Private Trust Company Consultant: Fiducient Advisors, LLC	<ul> <li>SEI Investments</li> </ul>	PRIT Fund	
Swampscott  • Custodian: People's United Bank  • Consultant: Dahab Associates	• PRIT Fund	<ul> <li>Aristotle Capital Management, LLC</li> <li>Intercontinental Real Estate Corporation</li> </ul>	<ul><li>LMCG Investments, LLC</li><li>TA Realty</li></ul>
<ul> <li>Taunton</li> <li>Custodian: People's United Bank</li> <li>Consultant: Dahab Associates, Inc.</li> </ul>	<ul> <li>Aberdeen Asset Management</li> <li>Allspring Global Investments, Inc.</li> <li>BlackRock Investment Management, LLC</li> <li>Boston Partners</li> <li>Ceres Partners, LLC</li> <li>C.S. Mckee, LP</li> <li>Frontier Capital Management Co., LLC</li> <li>GAM International Management Limited</li> </ul>	<ul> <li>Intercontinental Real Estate Corporation</li> <li>John Hancock Trust Company</li> <li>LMCG Investments, LLC</li> <li>Molpus Woodlands Group, LLC</li> <li>Pacific Investment Management Company, LLC</li> <li>Polen Capital Management, LLC</li> <li>PRIT Fund</li> </ul>	<ul> <li>Quantitative Management Association</li> <li>Rhumbline</li> <li>State Street Global Advisors</li> <li>TA Realty</li> <li>TimberVest, LLC</li> <li>Vontobel Asset Management, Inc.</li> <li>Weaver C. Barksdale &amp; Associates</li> </ul>
Wakefield	PRIT Fund		
Waltham <ul> <li>Custodian: SEI Private Trust Company</li> <li>Consultant: Fiducient Advisors, LLC</li> </ul>	<ul> <li>SEI Investments</li> </ul>	• PRIT Fund	
Watertown <ul> <li>Custodian: People's United Bank</li> <li>Consultant: Fiducient Advisors, LLC</li> </ul>	<ul> <li>Acadian Asset Management, LLC</li> <li>American Realty Advisors</li> <li>Brandywine Global Investment Management, LLC</li> <li>Columbia Management Investment Advisors, LLC</li> <li>Eaton Vance Management</li> </ul>	<ul> <li>Income Research &amp; Management</li> <li>Massachusetts Financial Services Company</li> <li>Pinebridge Investment, LLC</li> <li>PRIT Fund</li> <li>RCP Advisors, LLC</li> </ul>	<ul> <li>SEI Investments</li> <li>TA Realty</li> <li>TerraCap Management, LLC</li> <li>Wellington Management Company, LLP</li> </ul>
Webster  • Custodian: People's United Bank	= PRIT Fund	HGK Asset Management Inc.	
Wellesley	PRIT Fund		

<b>Retirement Board</b>		Investment Vendors	
West Springfield  Custodian: Comerica Bank	• De Burlo Group, Inc.		
Westfield • Custodian: Fiducient Advisors, LLC	<ul> <li>AEW Capital Management LP</li> <li>Allspring Global Investments, Inc.</li> <li>Columbia Management Investment Advisers, LLC</li> <li>Constitution Capital Partners, LLC</li> <li>Hamilton Lane</li> <li>Income Research &amp; Management</li> <li>Intercontinental Real Estate Corporation</li> </ul>	<ul> <li>Lazard Asset Management, LLC</li> <li>LMCG Investments, LLC</li> <li>Long Wharf Real Estate Partners, LLC</li> <li>Loomis, Sayles &amp; Company</li> <li>Pacific Investment Co., LLC</li> <li>Polaris Capital Management, LLC</li> </ul>	<ul> <li>PRIT Fund</li> <li>RBC Global Asset Management (U.S.), Inc.</li> <li>SEI Investments</li> <li>State Street Global Advisors</li> <li>TerraCap Management</li> <li>Wasatch Advisors, Inc.</li> </ul>
Weymouth <ul> <li>Custodian: Comerica</li> <li>Consultant: Fiducient Advisors, LLC</li> </ul>	<ul> <li>747 Capital</li> <li>Acadian Asset Management, LLC</li> <li>Adams Street Partners</li> <li>Amundi Pioneer Institutional Asset Mgmt., Inc.</li> <li>Ashmore Investment Advisors</li> <li>BlackRock Advisors, LLC</li> <li>Boston Trust Walden Company</li> <li>Brooke Private Equity Associates Management, LLC</li> <li>Brandywine Global Invesment Management, LLC</li> <li>Constitution Capital Partners, LLC</li> </ul>	<ul> <li>Hamilton Lane</li> <li>Harbor Capital Advisors Inc.</li> <li>HarbourVest Partners, LLC</li> <li>Invesco Private Capital, Inc.</li> <li>Landmark Partners, LLC</li> <li>Lazard Asset Management, LLC</li> <li>MIRA, Americas Inc.</li> <li>Newton Investment Management, LLC</li> <li>Oaktree Capital Management, LP</li> <li>OFI Global Institutional, Inc.</li> </ul>	<ul> <li>Principal Global Investors LLC</li> <li>PRIT Fund</li> <li>RhumbLine Advisers</li> <li>Riverbridge Partners, LLC</li> <li>Sigular Guff Advisers, LLC</li> <li>Stockbridge Core and Value Advisors</li> <li>TerraCap Management, LLC</li> <li>Wasatch Advisors</li> <li>Western Asset Management Co.</li> </ul>
Winchester	PRIT Fund		
Winthrop	PRIT Fund		
Woburn Custodian: People's United Bank	= PRIT Fund	Charlesbank Capital Partners, LLC	Stafford Private Equity Inc.
Worcester  • Custodian: People's United Bank • Consultant: Meketa Investment Group	<ul> <li>Acadian Asset Management, LLC</li> <li>AEW Capital Management, LP</li> <li>American Securities, LLC</li> <li>Ascent Venture Partners</li> <li>Boston Millenia Partners</li> <li>BTG Pactual Timberland Investment Group, LLC</li> <li>Capital International, Inc.</li> <li>Charlesbank Capital Partners, LLC</li> <li>Eaton Vance Management</li> </ul>	<ul> <li>EnTrust Global Partners, LLC</li> <li>Global Infrastructure Management, LLC</li> <li>Hancock Natural Resource Group, Inc.</li> <li>Harvest Partners, LP</li> <li>IFM Investors (US) Advisor, LLC</li> <li>Income Research &amp; Management</li> <li>Lazard Asset Management, LLC</li> <li>Loomis, Sayles &amp; Company</li> <li>Newstone Capital Partners, LLC</li> </ul>	<ul> <li>Northstar Company, LLC</li> <li>Old Farm Partners LP</li> <li>PRIT Fund</li> <li>Ridgemont Equity Partners</li> <li>Riverside Company</li> <li>SL Capital Partners, LLP</li> <li>State Street Global Advisors</li> <li>TA Associates Management</li> <li>Vitruvian Partners, LLP</li> </ul>
Worcester Regional	PRIT Fund		

# **PRIM Investment Vendors** (Organized by Service Provider Type)

Custodian: <ul> <li>Aberdeen Asset Management Inc Portfolio Completion Strategies Advisory Services</li> <li>Albourne – Operational Due Diligence Service Provider</li> <li>Callan Associates - Public Market Advisory Services</li> <li>Edgewater Technology - IT Advisory Services</li> <li>Hamilton Lane - Private Equity Advisory Services</li> <li>KPMG LLP - Auditor</li> <li>NEPC, LLC - Asset Allocation Advisory Services</li> <li>O'Neill and Associates - Communication Consulting Services</li> </ul>			
<ul> <li>Acadian Asset Management, LLC</li> <li>Brandywine Global Investment Management</li> <li>Driehaus Capital Management, LLC</li> <li>Frontier Capital Management</li> </ul>	<ul> <li>Goldman Sachs Investment Management</li> <li>Lord, Abbett &amp; Co., LLC</li> <li>Rhumbline Advispers</li> </ul>	<ul> <li>Riverbridge Partners</li> <li>State Street Global Advisors</li> <li>Summit Creek Advisors</li> </ul>	
	International Equity Manage	ers	
<ul> <li>Acadian Asset Management, LLC</li> <li>ARGA Investment Management</li> <li>Artisan Partners</li> <li>AQR Capital</li> </ul>	<ul> <li>Baillie Gifford</li> <li>Driehaus Capital Management, LLC</li> <li>Marathon Asset Management, LLP</li> <li>Mondrian Investment Partners</li> </ul>	<ul> <li>Russell Implementation Services</li> <li>State Street Global Advisors</li> <li>TimesSquare</li> <li>Xponance</li> </ul>	
	Emerging Market Manager	s	
<ul> <li>Acadian Asset Management, LLC</li> <li>AQR Capital</li> <li>Baillie Gifford</li> </ul>	<ul> <li>Driehaus Capital Management, LLC</li> <li>Pzena Investment Management</li> </ul>	<ul><li>T. Rowe Price</li><li>Wasatch Advisors, Inc.</li></ul>	
	Core Fixed Income Manager	rs	
<ul> <li>AFL-CIO Housing Investment Trust</li> <li>Blackrock Financial Management, Inc.</li> <li>Community Capital Management</li> </ul>	<ul> <li>Loomis, Sayles &amp; Company</li> <li>Longfellow Investment Management</li> <li>New Century Advisors, LLC</li> </ul>	<ul> <li>Pacific Investment Management Company, LLC</li> <li>Pugh Capital Management</li> <li>RBC Global Asset Management</li> </ul>	
,	Value-Added Fixed Income Mar	agers	
<ul> <li>400 Capital Management, LLC</li> <li>Anchorage Capital Group, LLC</li> <li>Ashmore Investment Management, Ltd.</li> <li>Berkshire Group, LLC</li> <li>Eaton Vance Institutional Funds</li> </ul>	<ul> <li>Fidelity Management Trust Company</li> <li>LibreMax Capital</li> <li>Loomis, Sayles &amp; Company, LP</li> <li>Mudrick Capital Management, LP</li> </ul>	<ul> <li>Newmarket Capital</li> <li>Pacific Investment Management Company, LLC</li> <li>Shenkman Capital Management</li> <li>Voya Financial</li> </ul>	
Altern	native Investments—Real Estat	e Managers	
<ul> <li>AEW Capital Management</li> <li>Berkshire Group, LLC</li> <li>Blackstone</li> <li>Brookfield Investment Management</li> </ul>	<ul> <li>CBRE Global Investors</li> <li>CenterSquare Investment Management</li> <li>DivcoWest</li> </ul>	<ul> <li>INVESCO Realty Advisors</li> <li>LaSalle Investment Management</li> <li>Stockbridge</li> </ul>	
Alternative Investments—Timberland			
Campbell Group, LLC	Forest Investment Associates		
Alternative Investments—Portfolio Completion Strategy Managers			
<ul> <li>400 Capital Management</li> <li>Arden Asset Management</li> <li>Basswood Capital Management, LLC</li> <li>Blackrock Aviation</li> <li>Breakout Funds, LLC</li> <li>Brigade Capital G.P., LLC</li> <li>Cantab Capital Partners, LP</li> <li>Canvas Capital</li> <li>Capula Management Limited</li> <li>Cirera Capital Limited</li> <li>CKC Capital, LLC</li> </ul>	<ul> <li>Complus Asset Management Limited</li> <li>Contrarian Capital Management</li> <li>Davidson Kempner Advisors, Inc.</li> <li>DLD Asset Management, LP</li> <li>East Lodge Capital</li> <li>Elliot Capital Advisors, LP</li> <li>FIR Tree Capital Management</li> <li>GaoTeng Global Asset Management, Ltd.</li> <li>Investcorp Investment Advisors, LLC</li> <li>JEN Partners, LLC</li> <li>Land and Buildings Investment Management</li> </ul>	<ul> <li>Mudrick Capital Management, LP</li> <li>Mygale, LLP</li> <li>Pacific Alternative Asset Management Co. (PAAMCO)</li> <li>PGIM, Inc.</li> <li>Power Pacific Investment Management, Inc.</li> <li>RV Capital Management Pvt., Ltd.</li> <li>Sightway Capital</li> <li>Silver Creek Advisory Partners, LLC</li> <li>Summit Partners Public Asset Management, LLC</li> <li>Tabor Asset Management</li> <li>Valent Asset Management, LLC</li> </ul>	

### Alternative Investments—Private Equity and Distressed Debt Managers

### **PRIVATE EQUITY:**

- Acon Investments
- Advent International
- Alchemy Partners
- Alta Communications
- American Industrial Partners
- American Securities Capital Partners
- Apollo Management Co.
- Ascent Venture Partners
- Austin Ventures
- Bain Capital
- Battery Ventures
- Berkshire Partners
- Blackstone Capital Partners
- Bridgepoint Capital Limited
- Carlyle Partners
- Castille Ventures
- Catalyst Investors
- Centerbridge Capital
- Charles River Ventures
- Charlesbank Capital Partners
- Charterhouse Capital
- Chequers Capital
- Code, Hennessey & Simmons
- CVC Capital
- Denham Capital Management
- El Dorado Ventures
- Elysian Capital
- Essex Woodlands Health Ventures
- Ethos Private Equity
- Exponent Private Equity Partners
- First Reserve Corporation
- Flagship Pioneering
- Freeman Spogli Equity Partners
- GENSTAR Capital
- Georgian Partners
- Gilde Buy Out Partner AG
- GTCR Golder Rauner

- Hellman & Friedman Capital Partners
- H.I.G. Capital Partners
- Highland Capital Partners
- Hony Capital
- Index Ventures
- Insight Partners
- Institutional Venture Partners
- InterWest Partners
- JMI Equity
- Kelso & Company
- Kepha Partners
- Keytone Ventures
- Kohlberg Kravis Roberts and Co.
- KPS Capital Partners
- Lovell Minnick Partners
- Madison Dearborn Capital Partners
- M/C Venture Partners
- Medicxi Ventures
- Menlo Ventures
- Montagu
- Montreux Equity Partners
- Nautic Partners
- New Enterprise Associates
- Nordic Capital
- Odyssey Investment Partners
- Olympus Partners
- Onex Capital Partners
- PAI Europe
- Permira Ventures
- Polaris Venture Partners
- Providence Equity Partners
- Providence Strategic Growth
- Quad-C Management
- Quantum Energy Partners
- Rembrandt Venture Partners
- Rhone Group, LLC
- SAIF Partners

### Overlay Managers (Cash)

• Parametric Portfolio Associates, LLC

- SCP Vitalife
- Sherbrooke Capital
- Sofinnova Ventures, Inc.
- Spark Capital
- Spectrum Equity
- Summit Ventures
- SV Life Sciences Advisors
- TA Associates
- Technology Crossover Ventures
- Tenaska Capital
- Texas Pacific Group
- The Gores Group
- Thoma Bravo
- Thoma Cressey Partners
- Thomas H. Lee Equity Partners, LP
- Thompson Street Capital
- Torquest Partners
- Towerbrook Capital Partners
- Union Square Ventures
- VantagePoint Partners
- Vestar Capital PartnersVista Equity Partners

Waterland Private Equity

Weston Presidio Capital

WestView Capital Partners

Xenon Private Equity, LTD

**DISTRESSED DEBT:** 

Centerbridge Special Credit

Oaktree Capital Management

Trust Company of the West (TCW)

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Wayzata Investment Partners

Crescent Capital Group

GSO Capital Partners

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Anchorage Capital

CarVal Investors

Avenue Capital Group