Joseph Newton, FSA, EA, FCA, MAAA

Pension Market Leader & Actuary joe.newton@grsconsulting.com



Expertise

Joe Newton is a nationally recognized public sector actuary who works with numerous statewide, regional, and local retirement systems and is located in GRS' Dallas, Texas office. He has more than 25 years of actuarial and benefits consulting experience. Joe's clients are located in Colorado, Hawaii, Rhode Island, South Carolina, Kentucky, and Texas.

Joe is the Pension Market Leader for GRS. In this capacity, Joe functions in one of the most senior professional roles in GRS, providing significant firm-wide leadership and contribution at the highest levels. This role bridges the gap between industry requirements, internal processes, and client deliverables to further strengthen GRS' position in the marketplace.

As well respected in our industry, several of Joe's projects have changed the way services are provided, and how pensions are understood, in the public sector community. There are several examples of plan redesign projects, including optimized funding mechanisms and creative plan design features that originated with Joe's consulting and have been further implemented by other systems. Joe has a unique ability to create innovative solutions to specific problems, and then be able to communicate these sometimes complex solutions to all stakeholders.

Joe stresses a top-down approach to pension plan consulting, which integrates the major goals of stakeholders, addresses human capital needs, and utilizes projection and valuation techniques that manage risk. He has built an enviable reputation in the public sector actuarial community for his creative ability to communicate difficult and complex ideas to Boards and Stakeholders. Most importantly, Joe believes he has helped its clients increase their credibility with the legislative and executive branches of the state government. In many cases, we have annual educational sessions for legislative leaders are of paramount importance in establishing and maintaining this credibility.

Joe is an appointed member on the Associate Advisory Committee of the National Association of State Retirement Administrators (NASRA) where he provides support for NASRA's vital initiatives to support public employee benefit programs across the country.

Professional Designations

- Fellow, Society of Actuaries
- Enrolled Actuary
- Fellow, Conference of Consulting Actuaries
- Member, American Academy of Actuaries

Education

Bachelor of Arts, Mathematics, and Business Administration, Austin College (Sherman, Texas)

Janie Shaw, ASA, EA, MAAA Consultant janie.shaw@grsconsulting.com



Expertise

Janie Shaw is a Consultant in the GRS Dallas, Texas office. She has more than ten years of public sector pension consulting experience. Janie has experience working with statewide and municipal retirement systems in multiple states including Kentucky, Michigan, North Carolina, Oklahoma, Texas, and Utah.

Janie's actuarial consulting experience includes annual valuation services for both pension and OPEB plans. Her experience has focused on plan sustainability through funding policy and benefit plan design. She has worked with her clients to find long-term solutions for all Stakeholders that build a more sustainable future for the retirement system. She has also worked with her clients to implement contribution rate stabilization policies that provide more predictable pension costs that work within the Stakeholders' budgets but also provide sound funding for the retirement system.

She also has significant experience with analyzing and revising demographic and economic assumptions through actuarial experience studies and actuarial audits. Janie's compliance work and experience covers GASB reporting requirements as they apply to pension and OPEB plans, 415(b) calculations and non-discrimination testing for DB and DC plans.

Professional Designations

- Associate, Society of Actuaries
- Enrolled Actuary
- Member, American Academy of Actuaries

Education

Bachelor of Science, Mathematics, University of Texas, Austin

About GRS

Founded in 1938, Gabriel, Roeder, Smith & Company (GRS) is a national actuarial and benefits consulting firm. GRS is dedicated to bringing clients innovative, sustainable solutions that the firm helps put into action. The firm supports the long-term success of pension, OPEB, and health and welfare benefit plans. Associates deliver high-quality services that reflect GRS' core values, which include professionalism and ethics in all aspects of business. The firm attracts the best talent in the industry by providing a collaborative work environment that respects the diversity and professional aspirations of our associates.

History and Corporate Structure

Gabriel, Roeder, Smith & Company (GRS) was incorporated on October 2, 1962 from a merger of A. G. Gabriel & Company, a sole proprietorship that was established in 1938, and another younger sole proprietorship, Roeder & Company. In 1995, the company merged with Kruse, O'Connor & Ling, a Florida based consulting firm.

In 2015, the company formed a health & welfare consulting subsidiary, Gabriel, Roeder, Smith & Company Health and Welfare Consulting, LLC from its existing health and welfare practice. For administrative and operating efficiency, both Gabriel, Roeder, Smith & Company and Gabriel, Roeder, Smith & Company Health and Welfare Consulting, LLC operate independently as wholly owned subsidiaries of Gabriel, Roeder, Smith & Company Holdings, Inc., a private Michigan corporation. "GRS" is the national brand under which Gabriel, Roeder, Smith & Company Holdings, Inc. operates and its subsidiaries provide professional services.

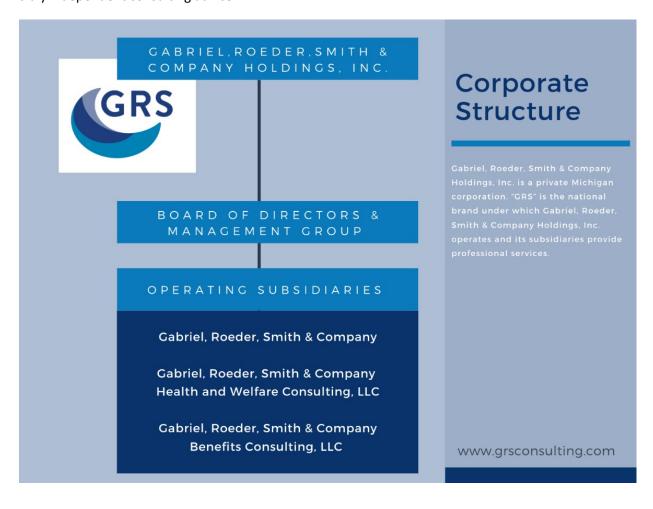
GRS has offices in Chicago, Dallas, Denver, Detroit, Fort Lauderdale, Grand Rapids, Hartford, and Minneapolis. The main guiding body for the firm is the GRS Board of Directors which consists of nine members elected by the shareholders. GRS' structure enables us to share our financial, marketing, and human resources within and across established geographic regions. Regions do not compete with each other for business. Our full-service local consulting offices are supported by strong, centralized resources. This approach empowers our consultants to work in the best interests of clients by identifying local marketplace priorities and utilizing regional or national resources as available and appropriate.

As noted above, centralized research is provided by our Research Group located in GRS' corporate office. An extremely important element in GRS' services to its clients, this group is comprised of highly qualified professionals knowledgeable in the legal, tax, and accounting issues of benefits and compensation programs. These individuals closely monitor and analyze legislative and regulatory activity and the benefits/compensation pronouncements of the Internal Revenue Service, the Federal Courts, the Securities and Exchange Commission, the Financial Accounting Standards Board, the Department of Labor, the Governmental Accounting Standards Board, the Equal Employment Opportunity Commission, and many other government and regulatory bodies.

Our research staff publishes a continuing series of newsletters, topical bulletins, and technical alerts to provide our clients with the latest information on emerging developments. Also, the staff is available to GRS consultants and their clients to research accurate answers to individual technical questions.

Ownership

GRS is primarily a private corporation owned by its employees. All full-time employees are eligible and encouraged to purchase GRS stock. Because GRS is nearly 100% employee-owned, we can provide clients with truly independent consulting advice.



Alaska

Alaska Retirement Management Board (auditing actuary)

Alabama

Northeast Alabama Regional Medical Center

Arkansas

Arkansas Judicial Retirement System

Arkansas Local Police and Fire Retirement System

Arkansas Public Employees Retirement System

Arkansas State Police Retirement System

Arkansas Teacher Retirement System

City of Conway

Texarkana Public Employees Retirement System

Arizona

Arizona State Retirement System

Arizona Board of Regents

Gila River Indian Community

City of Phoenix Employees Retirement System

Safford Volunteer Firefighters Pension Plan

Tucson Arizona Supplemental Retirement System

Colorado

Adams County Retirement Board

Arapahoe County

Center Fire Protection District

Chaffee County Fire Protection District

City of Englewood

Colorado Fire and Police Pension Association (FPPA)

Craig Rural Fire Protection District

Delta County Fire Protection District #3

Denver Board of Water Commissioners

Denver Employees Retirement Plan

El Paso County Retirement System

Fairmount Fire Protection District

Fort Lupton Fire Protection District

Jefferson County School District No..R1 Retirement System

Longmont

Rapid Transit District of Denver

RTD/ATU Local 1001

Safford Volunteer Firefighters Pension Plan

Florida

Alachua County School District

Bal Harbour General Employees Pension Plan

Bay Medical Center Pension Plan

Boca Raton Executive Employees Retirement Plan Boynton Beach Fire Rescue Employees Retirement

System

Boynton Beach Municipal Police Officers Retirement

Fund

Boynton Beach Pension Plan for General Employees

Bradenton Police Officers' Retirement Fund

Broward Co Sheriff's Office

Broward County Paramedics and Fire Fighters

City of Arcadia

City of Atlantic Beach General Employees Retirement System

City of Atlantic Beach Police Officers' Retirement System

City of Clearwater

City of Coral Gables Retirement System

City of Deerfield Beach - Nonuniformed Employees

City of DeLand General Employee's Retirement Plan City of DeLand Municipal Police Officer's Retirement

City of Deland Municipal Police Officer's Retirement Plan

City of Delray Beach Firefighters' Retirement System

City of Delray Beach Police Officers' Retirement System

City of Hialeah Elected Officers Retirement System

City of Hollywood General Employees Retirement System

City of Homestead - New Elected Officials and Senior Management Retirement System

City of Homestead Elected Officials Retirement Plan

City of Homestead General Employees Pension Plan

City of Homestead Police Officers Pension Fund

City of Jacksonville Beach Firefighters' Retirement System

City of Jacksonville Beach Police Officers' Retirement System

City of Jacksonville Beach General Employees' Retirement System

City of Key West General Employees' Retirement System

City of Lakeland Employees Retirement System

City of Largo Municipal Police and Firefighters Retirement Plan

City of Miami Beach Employees Retirement Plan

City of Miami Beach Firefighters' and Police Retirement Plan

City of Miramar General Employees Retirement System

City of North Miami, Clair T. Singerman Pension Plan

City of Okeechobee Firefighter's Pension Plan

City of Okeechobee General Employees

City of Okeechobee Police Officers

City of Oldsmar

City of Orlando General Employees' Pension Fund

City of Sarasota Firefighters' Pension Fund

City of St. Clair Shores Retiree Health Care Plans

City of Starke Firefighters' Retirement System

City of Starke General Employees' Retirement System

City of Starke Police Officers' Retirement System

City of Sunrise General Employees' Retirement Plan

City of Sweetwater Elected Officers' Retirement Trust

City of Tallahassee

City of Tamarac Police Pension Plan Trust Fund

City of West Palm Beach Restated Employees Defined

Benefit Retirement System

City of Wilton Manors General Employee's and Police

Officer's Retirement System

City of Wilton Manors Volunteer Firefighters'

Retirement System

Cooper City Fire Retirement Plan

Cooper City General Employees Retirement System

Cooper City Police Retirement Plan

Dania Beach General Employees Retirement System

Dania Police & Fire Retirement System

Delray Beach Police, Fire Fighters & Paramedics Retiree

Benefit Fund

Eustis Police Officers' Retirement System

Florida Auditor General

Florida City Elected Official Retirement Plan

Florida Department of Management Services

Fort Lauderdale General Employees Retirement System

Fort Pierce Police Officers Retirement Fund

Fort Pierce Retirement and Benefit System

Hialeah Gardens Police Pension Fund

Homestead Firefighters Retirement Plan

Jacksonville Beach Fraternal Order of Police Lodge 17

Jacksonville Police & Fire Pension Fund

Kissimmee General Employees Retirement Plan

Lake Mary Firefighters Pension Plan

Lake Worth Firefighters Pension System

Lake Worth General Employees Pension System

Lake Worth Police Officers Pension System

Lantana Firefighters' Pension Fund

Marco Island Firefighters' Pension Fund

Martin County Sheriff

Miami Shores Village General Employees Pension Plan

Miami Shores Village Police Officers Pension Plan

Miami Springs General Employee Retirement System

Miami Springs Police and Firefighters Retirement Plan

Miramar City

Miramar Management Retirement Plan

Mount Dora Firefighters Retirement Fund

Mount Dora General Employees Pension Plan

Mount Dora Police Officers Retirement Fund

New Port Richey Police Officers' Retirement System

North Miami Police Pension Plan

Okeechobee Utility Authority Retirement System

Orlando Utilities Commission

Palm Beach County Fire Disability Retirement Fund

Palm Beach County Firefighters Retirement Insurance Fund

Palm Beach Gardens Police Officers Pension Fund

Palm Springs Village Hazardous Employees Pension Plan Pembroke Pines Firefighters and Police Officers Pension

Pinellas Park Police Officers Pension Fund

Plantation General Employees Retirement System

Plantation Police Officers Retirement System

Plantation Volunteer Firefighters Retirement System Riviera Beach Firefighters / Paramedics of Palm Beach County, Local 2928, IAFF, Inc.

Riviera Beach Firefighters' Retirement Fund

Riviera Beach General Employees Retirement System

Riviera Beach Police Pension Fund

Sarasota County Sheriff's Office

Sarasota General Employees Pension Fund

Sarasota Police Officers' Pension Fund

Sarasota Professional Firefighters' Insurance Trust

Sebring Police Officers' Relief and Pension Fund

South Miami Pension Plan

St. Lucie County Fire Control District

St. Lucie County Fire District Firefighters Pension Trust Fund

St. Lucie County Sheriff's Office

Sunrise Police Officers Retirement System

Sweetwater Police Officers' Retirement Plan

Tallahassee Memorial Healthcare, Inc.

Teguesta Public Safety Officers' Pension Trust Fund

Town of Lantana Police Officers Pension Fund

Town of Lauderdale-By-The-Sea Volunteer Firefighters' Pension Plan

Town of Orange Park General Employees' Pension Plan

Town of Palm Beach Retirement System

Town of Surfside

Utility Board Of The City Of Key West

Venice Firefighters VEBA Trust Fund

Vero Beach Firefighters Retirement Fund

Village of Key Biscayne Police and Firefighters Retirement Plan

Village of North Palm Beach General Retirement Fund

Village of Tequesta General Employees Pension Trust

Volusia Circuit County Clerk

West Palm Beach Firefighters Pension Fund

West Palm Beach Police Pension Fund

Winter Park Firefighters' Retirement System

Winter Park Police Officers' Retirement System

Winter Springs General & Police Retirement System

Hawaii

State of Hawaii Employees' Retirement System

Illinois

General Assembly Retirement System of Illinois

Illinois Department of Insurance

Illinois Municipal Retirement Fund

Judges' Retirement System of Illinois

Laborers' and Retirement Board Employees' Annuity and Benefit Fund of Chicago

Chicago Policemen's Annuity & Benefit Fund

Chicago Regional Transportation Authority

Public School Teachers' Pension and Retirement Fund of Chicago

Regional Transportation Authority Pension Plan

State Employees Retirement System of Illinois

Kentucky

Kentucky Retirement Systems

Louisiana

Louisiana Legislative Auditor

Maryland

Maryland State Retirement and Pension System

Maryland Transit Administration

Montgomery County Employees' Retirement System

Montgomery County Public Schools

Prince George's County

Michigan

Alpena Employees' Retirement System

Allen Park Retirement System

Ann Arbor Employees Retirement System

Battle Creek Police and Fire Retirement System-Act 345

Bay County Employees Retirement System

Benton Township Policemen and Firemen Retirement System

Berkley Public Safety Retirement System-Act 345

Berrien County Employees Retirement Plan

Birmingham Employees Retirement System

Center Line Police and Fire Pension System

Central County Transportation Authority

Charter Township of Meridian

Charter Township of West Bloomfield Employees Retirement Plan

City of Big Rapids Police & Fire Retirement System

Cobo Hall Authority

Dearborn Chapter 21 Retirement System

Dearborn Chapter 22 Retirement System

Dearborn Chapter 23 Retirement System

Dearborn Heights Police & Fire Retirement System

Detroit General Retirement System

Detroit Police and Fire Retirement System

Ferndale Employee Retirement System

Ferndale Police and Fire Retirement System

Gibraltar Public Safety Officers Retirement System - Act 345

Gogebic County Employees Retirement System

Grand Rapids General Retirement System

Grand Rapids Police and Fire Retirement System

Harrison Township Firemen's Pension Fund

Harrison Township General Employees Retirement System

Iron Mountain Policemen and Firemen Retirement System Ishpeming Policemen and Firemen Retirement System-Act 345

Jackson Act 345 Retirement System

Jackson County Employees Retirement System

Jackson Employees Retirement System

Jackson Policemen's and Firemen's Pension Fund

Kalamazoo County Employees' Retirement System

Kalamazoo Employees Retirement System

Kent County Employees Retirement Plan and Trust

Kent Library District Employees' Retirement Plan

Kingsford Policemen and Firemen Retirement System Lincoln Park Police Officers and Firefighters Retirement System

Madison Heights Policemen and Firemen Retirement System

Marquette Policemen and Firemen Retirement System

Melvindale Policemen and Firemen Retirement System

Menominee Policemen and Firemen Retirement System

Michigan Public School Employees Retirement System

Michigan State Employee Retirement System

Michigan Judges' Retirement System

Michigan State Legislative Retirement System

Michigan State Police Retirement System

Michigan National Guard Retirement System

Midland - Police and Fire Retirement System

Midland County Employees Retirement System

Midland County Retirement System Act 345

Monroe Employees Retirement System

Mount Clemens Employees Retirement System

Mt. Pleasant Fire and Police Pension System

Municipal Employee Retirement System of Michigan Niles Township Police and Fire Department Retirement Plan

Oakland County Employees Retirement System

Pontiac General Retirement System

Riverview Retirement System

Road Commission for Oakland County Retirement System

Royal Oak Retirement System

Sanilac County Employees Retirement System

Sault Ste. Marie Firemen and Policemen Retirement System

Southfield Employees Retirement System

Southfield Fire and Police Retirement System

Southeast Macomb Sanitary District

Southgate Policemen and Firemen Retirement System

St. Clair Shores Employees Retirement System

St. Clair Shores Police and Fire Retirement System

St. Joseph Employees Retirement Fund

Sterling Heights Employees Retirement System

Sterling Heights Police and Fire Retirement System

Sturgis Employees Retirement System

Traverse City - Act 345 Police and Fire Retirement System

Troy Employees Retirement System

Troy Incentive Plan for Volunteer Firefighters

Wayne County Employees' Retirement System

Wayne County Employees' Retirement System-Circuit

Commissioners Bailiffs Division -

Wyandotte Employees Retirement System

Wyoming Employees Retirement System

Minnesota

Appleton Firefighters' Relief

Minnesota State Retirement System

Public Employees Retirement Association of Minnesota

St. Paul Teachers' Retirement Fund Association

White Bear Lake Fire Department Relief Association Pension Plan

Missouri

Columbia Police and Firemen's Retirement Fund

Joplin Policemen and Firemen Retirement Fund

Missouri DOT and Highway Patrol Employees' Retirement System

Missouri Local Government Employees Retirement System

Firemen's Retirement System of St. Louis

Montana

Belgrade Fire Department Relief Association Pension Fund

North Dakota

North Dakota Public Employee Retirement System

New Hampshire

Manchester Employees' Contributory Retirement System New Hampshire Local Government Center Defined Benefit Pension Plan

New Hampshire Retirement System

New Mexico

New Mexico Educational Retirement Board

New Mexico Public Employee Retirement Association

Ohio

Ohio Public Employees Retirement System

Oklahoma

Metropolitan Tulsa Transit Authority

Oklahoma City Employee Retirement System

Oklahoma Teachers' Retirement System

Rhode Island

Employees' Retirement System of Rhode Island City of Warwick

South Carolina

South Carolina Retirement Systems

South Dakota

Sioux Falls Employee's Retirement System

Sioux Falls Firefighters' Pension Fund

Texas

Beaumont Firemen's Relief and Retirement Fund

City of Arlington

City of Austin Employees Retirement System

City of Austin Police Retirement System

City of Fort Worth Employees' Retirement Fund

City of Irving

City of Plano

Dallas / Fort Worth International Airport Board

Dallas County Utility and Reclamation District

Dallas Employee Retirement System

Houston Municipal Employees' Pension System

Houston Police Officers' Pension System

Killeen Firefighter's Retirement Fund

Teachers Retirement System of Texas

Texas Employee Retirement System

Texas Municipal Retirement System

Utah

Utah Retirement Systems

Virginia

Fairfax Retirement Plans

Virginia Joint Audit & Review Commission

Virginia Retirement System

Washington

Port of Seattle

Wisconsin

Milwaukee Public Schools Supplemental Pension Plans

Wisconsin Retirement System

West Virginia

Employees' Retirement and Benefit Fund of the City of Morgantown

Wyoming

Cheyenne Regional Medical Center

Wyoming Retirement System