# Comprehensive Annual Financial Report For Fiscal Year Ended June 30, 2015



Pension Trust Funds of the State of Minnesota

### THIS PAGE LEFT BLANK INTENTIONALLY.



84 Years of Service to Minnesota's Public Employees

### BOARD OF TRUSTEES

Don Rambow — Board President, Appointed Cities Representative
Kathryn A. Green — Board Vice President, Appointed School Board Representative
Rebecca Otto — State Auditor
Ross Arneson — Elected Retiree/Disabilitant Representative
Paul Bourgeous — Elected General/Correctional Membership Representative
Mary Falk — Appointed General Public Representative
Leigh Lenzmeier — Appointed County Representative
David Metusalem — Elected Police & Fire Representative
Thomas Stanley — Elected General/Correctional Membership Representative
Lori Volz — Elected General/Correctional Membership Representative
Lawrence Ward — Appointed Retired Annuitant Representative

### EXECUTIVE DIRECTOR

**Doug Anderson** 

### REPORT PREPARED BY:

Finance and Education Staff David DeJonge — Assistant Executive Director David Andrews — Accounting Director Carrie Dittmer — Accounting Officer Jim Riebe — Accounting Officer Takara Archer — Accounting Officer John Paulson — Programs Administrator Debra Otto — Programs Administrator

Retirement Systems of Minnesota Building 60 Empire Drive, Suite 200 St. Paul, Minnesota 55103-2088 651-296-7460 • www.mnpera.org



### MINNESOTA: Land of 20,000 Bridges

Not only is Minnesota home to thousands of

lakes, streams, and rivers, but also to thousands of bridges, many of them historic and/or works of art. Our cover features the Aerial Lift Bridge in Duluth, photographed by Jonathunder and posted at Wikimedia Commons.

The cover pages for each section of the CAFR features other notable Minnesota bridges. All these bridges span some obstacle, just as PERA benefits provide the financial bridge necessary for many of our members to reach a satisfying retirement.

# **Table of Contents**

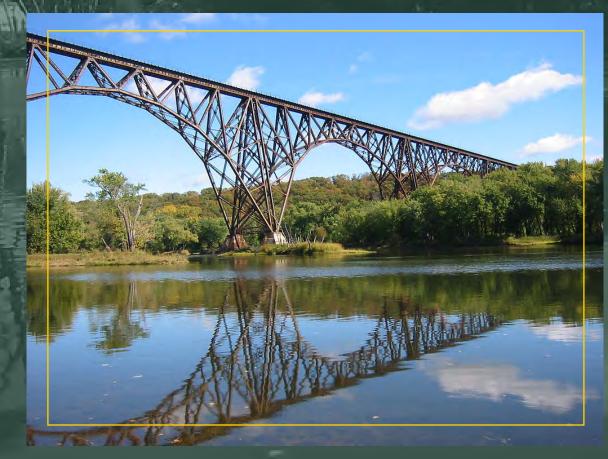
	Page
INTRODUCTORY SECTION	0
Achievement Awards . President's Report . Letter of Transmittal	··· 4 ··· 5 ··· 10 ··· 11
FINANCIAL SECTION	
Independent Auditor's Report	17 19
Statement of Fiduciary Net Position.         Statement of Changes in Fiduciary Net Position.         Notes to the Financial Statements.	26
Required Supplementary Information:	
Schedule of Changes in Net Pension Liabilities and Related Ratios         Schedule of Contributions from Employers and Nonemployers         Notes to Schedule of Contributions	44 45
Schedule of Investment Returns	
Schedule of Changes in Assets of Agency Fund.       Schedule of Investment Expenses/Schedule of Payments to Consultants         Schedule of Administrative Expenses       Schedule of Administrative Expenses	46
INVESTMENT SECTION	
Investment Report.	49
Investment Results	
Asset Allocation	
List of Largest Assets Held	
Fair Value of Investments	
Schedule of Investment Fees	55
ACTUARIAL SECTION	
Actuary's Certification Letter	57
Summary of Actuarial Assumptions and Methods	59
Sample Annual Rates Per 10.000 Employees	63
Schedule of Funding Progress	64
Solvency Test	65
Schedule of Retirees and Beneficiaries.	
Determination of Contribution Sufficiency	
Determination of Actuarial Value of Assets	72
Schedule of Changes in Unfunded Actuarial Accrued Liabilities	73

### STATISTICAL SECTION

Introduction
Schedule of Changes in Fiduciary Net Position
Benefits and Refunds by Type
Statewide Volunteer Firefighter Retirement Plan
Revenues and Expenses
Active Members by Age and Service
Summary of Membership
Retirements by Retirement Date
Schedule of New Retirees and Initial Benefit Paid
Schedule of Benefit Recipients by Type
Retirees by Age
PERA Annuitant Residency
Principal Participating Employers
Participating Employers

# Introductory Section

Achievement Awards President's Report Letter of Transmittal Administrative Organization Board of Trustees Retirement System Plan Summary



- Photo by Elkman -

### THIS PAGE LEFT BLANK INTENTIONALLY.

# Achievement Awards





### PPCC

The Public Pension Coordinating Council recently recognized PERA for meeting its professional standards for the administration of public retirement systems.

### <u>G</u>FOA

The Government Finance Officers Association (GFOA) recognizes public retirement systems that meet its rigorous reporting standards with its annual Certificate of Achievement for Excellence in Financial Reporting. It is the highest form of recognition for accounting and financial reporting in the public pension sector. PERA received this award for our 2014 Comprehensive Annual Financial Report, the 30th time we have been so honored.



### **President's Report**

Public Employees Retirement Association of Minnesota 60 Empire Drive, Suite 200 Saint Paul, Minnesota 55103-2088 Member Information Services: 651-296-7460 or 1-800-652-9026 Employer Response Lines: 651-296-3636 or 1-888-892-7372 PERA Fax Number: 651-297-2547 PERA Website: www.mpera.org

December 23, 2015

Dear Members, Annuitants, Beneficiaries and Governmental Employers:

The Public Employees Retirement Association (PERA) June 30, 2015 Comprehensive Annual Financial Report is respectfully submitted. Responsibility for the accuracy and completeness of the report rests with PERA. PERA's net assets at fair market value exceed \$26.5 billion on June 30, 2015.

PERA's Executive Director retired in January, 2015, resulting in a ten month search for a qualified replacement. I am excited to report that the national search concluded with the appointment of an Executive Director who has over 25 years of actuarial experience.

As mandated by the Governmental Accounting Standard Board (GASB), PERA reassigned significant resources to prepare for the implementation of GASB 68. PERA staff prepared numerous online training courses and conducted numerous webinars related to how implementation of GASB 68 will impact the local government's financial statements. Monthly newsletters related to the reporting impact of GASB 68 were distributed to local government entities.

The new GASB reporting requirements are complex and will significantly impact local governments' financial statements. The implementation of GASB 68 will occur in the absence of any Minnesota State Statute or law requiring local governments to be financially responsible for any PERA funding deficiency.

The Minneapolis Employees Retirement Fund (MERF) was merged into PERA's General Plan during fiscal year 2015. This merger occurred significantly earlier than was anticipated when PERA assumed the administrative duties of MERF.

PERA's investments earned 4.4 percent, net of fees, in fiscal year 2015. For the past 10 years, PERA's investments exceeded the composite market return benchmark with an annualized return of 7.8 percent. Over the past 20 years, PERA's investments have returned 8.4 percent net of fees, 6.1 percentage points above the consumer price index, despite two significant recessions during that period.



Don Rambow Board President

As trustees of the association, our main fiduciary responsibility is the preservation and safety of the PERA's assets. It is the trustee's fiduciary duty to ensure the protection and furtherance of the interests of our members, annuitants, and beneficiaries. We routinely meet with our actuarial consultant to keep abreast of the current status of the funds we govern and to study factors that could have an impact on those funds going forward. I believe our efforts over the past year have amply illustrated this continuing dedication as fiduciaries of the public employee retirement funds.

Don Rambow

Don Rambow President PERA Board of Trustees

Public Employees Retirement Association of Minnesota

## Letter of Transmittal

Public Employees Retirement Association of Minnesota 60 Empire Drive, Suite 200 Saint Paul, Minnesota 55103-2088 Member Information Services: 651-296-7460 or 1-800-652-9026 Employer Response Lines: 651-296-3636 or 1-888-892-7372 PERA Fax Number: 651-297-2547 PERA Website: www.mnpera.org



December 22, 2015

Board of Trustees Public Employees Retirement Association of Minnesota 60 Empire Drive, Suite 200 St. Paul, Minnesota 55103

#### **Dear Board Members:**

We are pleased to present this Comprehensive Annual Financial Report (CAFR) of the Public Employees Retirement Association (PERA) for the fiscal year ended June 30, 2015—our 84th year of operation. The information contained in this report is accurate in all material respects and is intended to present fairly the financial status and results of operations of the Association.

Responsibility for the contents of this report, including the financial statements, rests solely with the management of the association. This transmittal letter is designed to complement Management's Discussion and Analysis (MD&A) and should be read in conjunction with it.

### PLAN OVERVIEW

PERA was established in 1931 by the Minnesota legislature. For financial reporting purposes, PERA is considered a pension trust fund of the State of Minnesota. The State reports PERA's assets in the State's annual report as pension trust fund assets. PERA's cost-sharing plans are funded on an actuarial reserve basis, with money being set aside for benefits while benefits are being earned and before they are paid.

PERA serves over 2,000 separate local governmental entities. These participating employers include cities, counties, townships, and school districts located throughout the State. On June 30, 2015, PERA's membership included 160,499 current, active employees and 101,665 benefit recipients in the three cost-sharing multiple-employer defined benefit plans, and another 7,565 members with money in the defined contribution plan. The three cost-sharing plans include the General Employees Retirement Fund (GERF), the Public Employees Police and Fire Fund (PEPFF), and the



Doug Anderson Executive Director



Dave DeJonge Assistant Executive Director

Public Employees Correctional Fund (PECF). An additional 1,900 members belong to the Statewide Volunteer Firefighter (SVF) Retirement Plan, an agent multiple-employer defined benefit plan.

## Letter of Transmittal

(Continued)

### ACCOUNTING SYSTEMS AND REPORTS

Financial statements are prepared in conformity with accounting principles generally accepted in the United States of America and reporting guidelines set forth by the Governmental Accounting Standards Board (GASB). PERA's Comprehensive Annual Financial Report also complies with Minnesota Statutes, Section 356.20. Transactions are reported on the accrual basis of accounting. Contributions from employers and members are recognized as revenue when earned and measurable. Expenses are recorded when corresponding liabilities are incurred, regardless of when payment is made.

PERA's management team is responsible for establishing and maintaining a system of internal controls. Internal controls are designed to provide reasonable, but not absolute, assurance regarding the safeguarding of assets against loss or unauthorized disposition and the reliability of the financial records from which the financial reports are prepared. The concept of reasonable assurance recognizes that: (1) the cost of a control should not exceed the benefits likely to be derived; and (2) the valuation of costs and benefits requires estimates and judgment by management. Our independent auditors have audited the accompanying financial statements and reviewed our internal control structure. They reported no material weaknesses in our internal controls. Management believes that an adequate system of internal control is in place and that the accompanying statements, schedules and tables are fairly presented.

### INVESTMENTS

In accordance with Minnesota Statutes, Section 353.06, PERA's financial assets are invested by the Minnesota State Board of Investment (SBI). All investments undertaken by the SBI are governed by the common law prudent person rule and other standards codified in Chapter 11A of the Minnesota Statutes. The SBI is comprised of the state's elected officers: Governor Mark Dayton; State Auditor Rebecca Otto; Secretary of State Steve Simon; and State Attorney General Lori Swanson. The SBI appoints a 17-member Investment Advisory Council (IAC) to advise the State Board on asset allocation and other policy matters relating to investments. The IAC also advises the SBI on methods to improve the rate of return while assuring adequate security of the assets under management. PERA's executive director is a standing member of the IAC. All proposed investment policies are reviewed and discussed in detail by the full IAC before they are presented to the SBI for action.

The SBI also employs investment consultants to monitor and evaluate investment management firms' performance and to evaluate or suggest various alternatives for asset allocation and other investment policy matters.

### COMBINED FUNDS

Pension assets of the Association are managed externally by private money managers retained under contract with the SBI. These assets are pooled with the assets of other active members and benefit recipients of statewide retirement funds into the Combined Retirement Fund. The greatest share of these assets, approximately 60 percent, is invested in domestic and international common stocks in order to maximize the long-term rate of return. Including international stocks in the asset mix allows the SBI to diversify its holdings across world markets and offers the opportunity to enhance returns and reduce the risk/volatility of the total portfolio. For the year ended June 30, 2015, the Combined Retirement Fund produced a 4.4% rate of return.

The SBI has one overriding responsibility in the management of these funds: to ensure that sufficient funds are available to finance promised retirement benefits. Within this context, SBI has established a long-term investment objective: to outperform a composite market index weighted to reflect the long-term asset allocation policy over a ten-year period. Performance is measured net of all fees and costs to assure the SBI's focus is on true net return. The Combined Funds' ten-year annualized rate of return at June 30, 2015 was 7.8%, and its' 20-year annualized rate of return was 8.4%.

### ECONOMIC CONDITIONS AND OUTLOOK

The U.S. economy remained in a slow jog over the past year, forcing the Federal Reserve to hold interest rates at historically low levels. Although the economic recovery began six years ago, growth has been sluggish—approximately 2% growth over the past four years. Labor conditions have improved, with job increases averaging roughly 250,000 per month during fiscal year 2015. New jobless claims remained close to a 32-year low. Having said that, wage growth remained stagnant and the nation's poverty rate remained fairly high at 14.8%. At the end of the fiscal year we saw a surge in business inventories, leading to the largest two-period accumulation on record. Core retail sales rose 3.6% over the year, and auto sales were up 7.2% year-over-year.

Falling oil prices and weak economic growth globally, however, kept the rate of inflation low. Oil prices fell to a six-year low. 30-year fixed mortgage rates fell below 4%. The dollar remained strong and turmoil grew overseas, especially in China, Japan and the Eurozone, which had a negative effect on exports. Although median income improved, it remained lower than it was at the start of the Great Recession in 2007.

Despite slow economic growth, domestic markets improved during the fiscal year. The Russell 3000 rose 7.3% during the fiscal year and the Barclays

FUNDING RATIOS

(Percent Funded)



The chart above reflects funding ratios for the three cost-sharing defined benefit funds administered by PERA.

Capital Aggregate Bond Index rose 1.9%. International equities did not fare as well, with the MCSI World ex USA Index falling 5.3%.

Minnesota's job market and median income have fared better than the nation as a whole since the Great Recession. Minnesota's unemployment rate fell to 3.9% in June 2015, compared to 5.3% for the country as a whole. 38,000 jobs were added in Minnesota during fiscal year 2015. The labor force participation rate ended the fiscal year at 70.8%, one of the best rates in the country. The Twin Cities boasted the lowest unemployment rate among the nation's 50 largest metropolitan areas at 3.1%. Median income in Minnesota was \$67,244 in calendar year 2014, the 7th best in the country, compared to \$53,657 for the U.S. as a whole.

U.S. wage growth remains stubbornly low. Weak global demand, a strong dollar, market uncertainty and the likelihood that the Federal Reserve will begin to increase interest rates in fiscal year 2016 all point to a continuation of slow but steady growth during the upcoming fiscal year.

### CURRENT FUNDING RATIOS

The primary funding objectives of the Association are:

- 1. to establish contribution rates which, when expressed as a percentage of active members' payroll, will remain level from generation to generation; and
- 2. to meet the statutorily set deadlines for full funding.

An important measure of the health of a retirement system is the level of funding. The better the level of funding is, the larger the ratio of assets to accrued liabilities and the greater the level of investment income potential. Also, a better level of funding gives participants a higher degree of assurance that their pensions are secure. A pension plan is fully funded when it has present and projected assets sufficient to cover the liabilities for present and future annuities, benefits and refunds and the projected cost of fund administration. Important to attaining that goal is ensuring contributions paid by members and employers remain at levels that over time support the advancement toward full funding.

The Association's progress toward meeting the full funding objective is displayed on the Schedule of Funding Progress. At the end of fiscal year 2015,

# Letter of Transmittal

(Continued)

the ratio of assets to liabilities (using the actuarial value of assets) of the GERF was 76.3 percent. For the PEPFF and the PECF, the ratios were 83.6 percent and 95.6 percent, respectively.

### MAJOR INITIATIVES

Fiscal year 2015 was another busy year for staff. The biggest challenge this year was to find a new executive director. Mary Vanek, PERA's executive director for 18 years, retired in January, 2015. A nation-wide search was conducted and a new director was hired in October. Doug Anderson will start full-time in January, 2016, after a two-month transition period from his old job. Doug has been an actuary for the past 25 years, and brings a vast amount of experience working with public pension plans from across the country to the job.

Legislation was passed in 2015 that made adjustments to our key economic actuarial assumptions. PERA's inflation assumption was lowered from 3% to 2.75%. Total payroll and individual salary growth assumptions were also lowered 0.25% as a result. But the biggest adjustment, in terms of cost, was a change to PERA's long-term rate of return assumption from 8.0% through 2017 and 8.5% thereafter, to 8% for all future years. These changes are reflected in this year's actuarial valuation.

During the year we received an experience study for the GERF from our actuary. PERA's Board of Trustees is reviewing the study and will likely make recommendations for changes to many of the plan's demographic actuarial assumptions, including mortality tables. An experience study of the PEPFF will be prepared by the actuary in fiscal year 2016.

Legislation was also passed in 2015 that allows a fire department relief association that provides monthly benefits to join PERA's Statewide Volunteer Firefighter (SVF) Retirement Plan. In fiscal year 2015, 13 fire departments joined the SVF Plan, bringing the total to 92. All of those fire departments provide lump-sum benefits to a volunteer firefighter at retirement. There are a handful of fire department relief associations in Minnesota that offer monthly benefits to retired volunteer firefighters. Beginning in January, 2016, PERA will be able to administer such a plan should the fire department join the SVF Plan.

PERA's finance division worked closely with PERA's employers and their auditors this year to help prepare them for the implementation of new accounting and financial reporting requirements issued by the Governmental Accounting Standards Board (GASB) in Statement 68. Most local governments will need to implement the new requirements when they issue their fiscal year 2015 financial statements, and the information they need in order to do so will come from PERA and PERA's actuary. During the year we visited with employers and their auditors, published monthly GASB newsletters, developed online educational videos, spoke at several conferences, and conducted a webinar. The GASB 68-related schedules we developed were audited by an outside auditing firm and posted to the financial reporting toolkit we developed on our website. We were also asked by GASB to be part of a Pension Communication Resource Group, which developed resources used to communicate the impact of the new pension accounting standards.

During the year we continued to make changes to our technological infrastructure, using virtualization to get closer to our goal of "PERA in a Box" with redundancy built in for business continuity and backups. We also moved forward in developing an online knowledge management system, allowing staff to answer questions and find information more quickly when talking with members, and upgraded our phone system.

We will continue to enhance our suite of on-line tools for members and employers. Our focus is continuous improvement to our systems and services so that we can accommodate the growing needs of all of PERA's stakeholders.

### PROFESSIONAL SERVICES

Actuarial consulting services during the fiscal year were provided by Gabriel, Roeder, Smith & Co. The State's Attorney General continued to provide PERA with legal counsel. The State Board of Investment continued to manage and invest the assets of PERA's funds, and the State's Legislative Auditor provided professional financial auditing services. Abdo, Eick & Meyers provided auditing services for PERA's GASB 68-related schedules. Disability determination services were provided by MMRO, and EFL Associates led a nation-wide search for an Executive Director.

### MEMBERSHIP REPORT

This report is complemented by an annual financial newsletter that discloses, in summary form, the contents of this report. This financial newsletter is mailed in January of each year to all PERA members, including active and deferred members and benefit recipients. In addition, this report is reproduced, in its entirety, on PERA's website, www.mnpera.org.

### NATIONAL RECOGNITION

PERA has an outstanding staff dedicated to the utmost professionalism in administering the plans entrusted to the governance of the PERA Board of Trustees. In 2015 PERA received the Public Pension Coordinating Council's Public Pension Standards Award for Administration. This award is given in recognition of meeting professional standards that have been developed by three national organizations created to provide support and advocacy of the nation's public employee pension systems.

PERA also received national recognition as a leader in pension fund administration and disclosure of financial information. The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to PERA for its comprehensive annual financial report (CAFR) for the fiscal year ended June 30, 2014. This is the 30th time PERA has received this honor.

The Certificate of Achievement is a prestigious national award, recognizing conformance with the highest standards for preparation of state and local government financial reports. In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized CAFR. This report must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for one year only. We believe our current report continues to meet the Certificate of Achievement Program's requirements, and we are submitting it to the GFOA to determine its eligibility for another certificate.

### ACKNOWLEDGMENTS

As a compendium of financial, investment, actuarial and other statistical information, PERA's Comprehensive Annual Financial Report provides complete and reliable information on which management decisions may be based and through which compliance with statutory requirements may be assessed. In addition, the report serves as the primary source through which the effectiveness of the Trustees' management and administration of PERA and its funds may be judged.

We are sure you join with us in expressing gratitude and appreciation to the staff and PERA's advisors for their efforts in producing this report and for their loyal and dedicated service to the Association and its members, annuitants, beneficiaries, and participating local governmental employers.

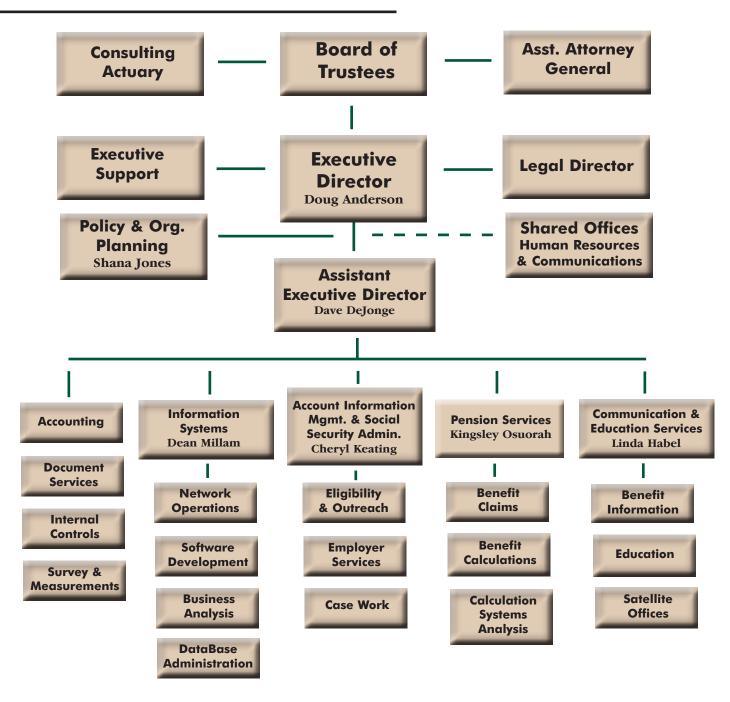
Respectfully submitted,

Doug Anderson Executive Director

David Les

David DeJonge Assistant Executive Director

# **Administrative Organization**



### MISSION STATEMENT

PERA's mission is to administer and promote sustainable retirement plans and provide services that our members value.

PERA's VISION:

PERA will be a recognized leader in efficient and excellent service delivery and plan management.

# **Board of Trustees**

As of June 30, 2015

**Ross E. Arneson** Retiree/Disabilitant Representative 112 Ellis Avenue Mankato, Minnesota 56001



Mary Falk General Public Representative 1355 West Highway 10 Anoka, Minnesota 55303



David Metusalem Police and Fire Representative Ramsey Co. Sheriff's Office 425 Grove Street St. Paul, Minnesota 55101



Paul Bourgeois General Membership Representative Minnetonka ISD 276 5621 County Road 101 Minnetonka, Minnesota 55345



Leigh Lenzmeier County Representative 919 West St. Germain Street St. Cloud, Minnesota 56301



**Thomas Stanley** General Membership Representative St. Louis Co. Attorney's Office 100 N. Fifth Ave. W. Duluth, Minnesota 55802



**Lori Volz** General Membership Representative Albert Lea Area Schools 211 W. Richway Drive Albert Lea, Minnesota 55607



Lawrence J. Ward Annuitant Representative 3221 Old Highway 8 Minneapolis, Minnesota 55418

The PERA Board consists of 11 trustees as follows: The State Auditor is a trustee by virtue of office. The governor appoints five trustees to represent counties, cities, school boards, retired annuitants, and the general public. PERA active members elect five representatives–three general membership, one retiree/disabilitant, and one Police and Fire trustee–to serve four-year terms.

BOARD President



**Don Rambow** Cities Representative City of White Bear Lake 4701 Highway 61 White Bear Lake, Minnesota 55110

### BOARD VICE PRESIDENT



Kothryn A. Green School Board Representative 401 3rd Avenue NW Austin, Minnesota 55912

#### STATE AUDITOR



**Rebecca Otto** State Auditor 525 Park Street, Suite 500 Saint Paul, Minnesota 55103

# Retirement System Plan Summary

Public Employees Retirement Association of Minnesota

### PURPOSE

### N DTE:

- \* A listing of employers participating in PERA can be found in the Statistical Section of this report.
- \*\* PERA's Basic Plan was closed to new membership in 1968 with the creation of the Coordinated Plan. Today, fewer than 10 Basic members remain active public employees. The active membership of the Minneapolis **Employees Retirement Fund** is also small (less than 40) and the plan was merged into the General Fund January 1, 2015. Therefore, the remainder of references to the General Plan in this plan summary will only address the Coordinated Plan.

Established by the Minnesota Legislature in 1931, the Public Employees Retirement Association (PERA) of Minnesota administers pension funds that serve approximately 308,000 current or former county, school and local public employees, their survivors, and dependents.

Funds administered by the Association provide a variety of retirement pensions, and survivor and disability benefits. In the case of the Coordinated and Correctional plans, these benefits are in addition to those provided by Social Security.

PERA's Board of Trustees is responsible for administering these funds in accordance with statutes passed by the Minnesota Legislature and has a fiduciary obligation to PERA's members, their governmental employers, the state, and its taxpayers.

#### ADMINISTRATION

PERA's Board of Trustees is composed of 11 members. The State Auditor is a member by statute. Five trustees are appointed by the Governor. Serving four-year terms, these five trustees represent cities, counties, school boards, retired annuitants, and the general public, respectively.

The remaining five board members are elected by the PERA membership at large to serve four-year terms. Three trustees represent the general active membership, one represents Police and Fire Fund members, and one represents annuitants and benefit recipients. The next trustee election is scheduled for January 2019.

The board appoints an executive director to serve as chief administrative officer of PERA. With approval of the board, the director develops the annual administrative budget, determines staffing requirements, contracts for actuarial and other services, and directs the day-to-day operations of the Association. The director also serves as a member of the State Investment Advisory Council, which advises the Minnesota State Board of Investment on the management and investment of public pension funds and other assets.

### Multi-Employer Participation

Approximately 2,100 separate units of government in Minnesota participate in the PERA-administered retirement system. These units include counties, cities, townships, and school districts.\*

### EMPLOYEE MEMBERSHIP

PERA has approximately 158,000 active members. With certain statutory exceptions, an employee performing personal services for a governmental employer whose salary is paid, in whole or in part, from revenues derived from taxation, fees, assessments, or other sources, is a member of PERA. Plan participation is dependent on the occupation of the member.

#### FUNDS

PERA administers six separate funds. Each has specific membership, contribution, benefit, and pension provisions.

The **General Employees Retirement Fund** encompasses two retirement plans — the PERA Coordinated Plan and the PERA Basic plan.

The Coordinated Plan, created in 1968, provides retirement and other benefits in addition to those supplied by Social Security. Established in 1931, the Basic Plan was PERA's original retirement plan and is not coordinated with the federal program.

The Minneapolis Employees Retirement Fund (MERF) was made part of the General Fund in June 2010 as a separate division and was merged into the plan January 1, 2015. A traditional defined benefit plan, MERF was closed to new membership in 1979. It encompasses employees of the City of Minneapolis, the Metropolitan Airports Commission, Minnesota State Colleges and Universities, and non-teaching personnel at Minneapolis schools. Annual state and employer appropriations of \$37 million ensure the plan remains self-sustaining.\*\* The **Public Employees Police and Fire Fund** was created in 1959 for police officers and firefighters not covered by a local relief association. It also encompasses all paid Minnesota police officers and firefighters hired since 1980.

The Local Government Correctional Service Retirement Fund was established in 1999 for correctional officers serving in county and regional adult and juvenile corrections facilities. Participants must be responsible for the security, custody and control of the facilities and their inmates.

Also administered by PERA is the **Public Employees Defined Contribution Plan** (**DCP**). Created in 1987 to provide a retirement plan for personnel employed by public ambulance services, the plan has since been expanded to include physicians, city managers, and locally-elected public officials, except for county sheriffs.\*

The **Statewide Volunteer Firefighter Retirement Plan** (SVFRP) was added to PERA's list of plans in January 2010. It is a lump-sum defined benefit plan open to any municipal volunteer fire department in the state. The municipality determines the level of benefits offered. Funding is provided through Minnesota State Fire Aid and, if required, additional municipal contributions. As of January 1, 2015, 92 volunteer fire departments have joined the plan.

### CONTRIBUTIONS

The table below shows contribution rates for employees and employers under the various plans administered by PERA as of June 30, 2015. Rates are applied to total salary and are set by statute.

- Fund	Employee Contribution	Employer — Contribution
General Employees Retirement Fund Coordinated	6.50%	7.50%
Public Employees Police & Fire Fund	10.80%	16.20%
Local Government Correctional Fund	5.83%	8.75%
Defined Contribution Plan	n 5.00%	5.00% **

### CREDITED SERVICE AND SALARY

Members of PERA's defined benefit plans receive one service credit for each month for which they are paid. Individuals may earn a maximum of 12 service credits per year. Salary used in retirement and disability benefit calculations is the average monthly salary over an individual's highest-paid 60 consecutive months of public service, or all months of service if less than 60 (highfive salary).

Members of the Coordinated, Correctional and Police & Fire plans hired prior to July 1, 2010 are vested for retirement benefits after 36 months of public service. The vesting requirement for individuals hired after June 30, 2010, is 60 months.\*\*\*

Members of the Statewide Volunteer Firefighters Retirement Plan are vested after five years.

Since the Defined Contribution Plan consists of individual accounts paying a lumpsum benefit, there are no vesting requirements for member or employer contributions and earnings.

### **RETIREMENT BENEFITS**

**Eligibility and Annuity Formulas** 

#### **Coordinated Members**

Two methods are used to compute benefits for Coordinated Plan members—a step-rate benefit accrual formula (Method 1) and a level accrual formula (Method 2). Members hired prior to July 1, 1989 receive the higher of the two calculated amounts. Only Method 2 is used for members hired after June 30, 1989.

**Method 1:** Coordinated members accrue 1.2 percent of the high-five salary for each of the first 10 years of public employment, and 1.7 percent of that average salary for each successive year. Using this calculation, members are eligible for a full (unreduced) retirement annuity if:

- They are age 65 or over with at least one year of public service; or
- Their age plus years of public service equal 90 (Rule of 90).

### N DTE:

- \* Officials first elected to a governing body, such as a city council or county board after June 30,2002, may only participate in PERA's Defined Contribution Plan. Previously, such officials could elect Coordinated Plan participation as an alternative to the DCP.
- \*\* This is the rate established for elected public officials and physicians. For ambulance service personnel, participation in the program and contributions made for employees are at the discretion of employers. Salaried employees may match this contribution. City managers may participate in the DCP as an alternative to Coordinated Plan membership.
- \*\*\* Police and Fire Plan members enrolled after June 30, 2014 have a vesting period of 10 years (120 months).

### Summary

(Continued)

### N DTE:

- \* Under legislation enacted in the 2013 session of the Legislature, the reduction for Police & Fire early retirement began increasing incrementally in July 2014. It will culminate in a 5 percent per year reduction in 2019.
- \*\* Selection of a Survivor Option will result in a reduction in the amount of the pension from the Single-Life pension level. The amount of the reduction depends on the age of both the retiring member and the survivor.

All survivor pension options incorporate an "automatic bounce back" feature. This returns the amount of the pension to the level of the Single-Life benefit in the event the designated survivor predeceases the retiree. The cost of this protection is borne by the funds, not by the retiree. A reduced retirement annuity is payable as early as age 55 with three or more years of service. The reduction is 0.25 percent for each month under age 65. A member with 30 or more years of service may retire at any age with the 0.25 percent reduction made from age 62 instead of 65.

**Method 2:** Members earn 1.7 percent of their high-five salary for every year of public service. This calculation provides for unreduced retirement benefits at age 65 for members first hired prior to July 1, 1989, and at the age for unreduced Social Security benefits, capped at age 66, for those first hired into public service on or after that date.

Early retirement results in an actuarial reduction with augmentation (about 6 percent per year) for members retiring prior to full retirement age.

#### **Police and Fire Members**

Members receive 3 percent of their highfive average salary for each of their years of service. An unreduced retirement annuity is payable to members when they meet the following conditions:

- Age 55 and vested (see vesting on previous page); or
- Age plus years of service equal at least 90 (if first hired prior to 7/1/89).

A reduced retirement annuity is available to members between the ages of 50 and 55.\*

### **Correctional Service Members**

Correctional Plan members earn 1.9 percent of their high-five salary for every year of public service under the plan. A full, unreduced pension, is earned at:

- Age 55 with three or more years of service (five years if hired after June 30, 2010); or
- Age plus years of service total at least 90 (if hired prior to 7/1/89).
   An actuarial reduction with augmen-

tation is made in a member's benefit for retirement prior to qualification for an unreduced pension.

### **Defined Contribution Plan Members**

The Defined Contribution Plan's benefit amount is determined by the performance of the funds in which contributions are invested. The entire market value of the member's account becomes payable upon termination of public service, disability, retirement, or death.

### Statewide Volunteer Firefighter Retirement Plan Members

Members qualify for a lump-sum benefit any time after age 50 with five or more years of service. A full, unreduced pension is payable after 20 years of service. The municipality and department determine the benefit level for each year of credited service.

### TYPES OF Pensions Available

Members of the PERA Coordinated, Basic, Correctional, and Police and Fire plans may select from several types of retirement benefits.

**Single-Life Pension** — A Single-Life Pension is a lifetime annuity that ceases upon the death of the retiree. No survivor benefit is payable.

**Survivor Options** —Upon retirement, members may choose from one of four Survivor Options. All these pensions are payable for the lifetime of the retiree. At the time of the retiree's death, the designated survivor begins to receive monthly benefit payments at varying levels for his or her lifetime. Depending on the Survivor Option chosen by the member, survivor payments are at a 25, 50, 75 or 100 percent level of that received by the member.\*\*

**Deferred Pension** — A vested member who terminates public service may leave contributions in the fund(s) in which he or she participated and qualify for a pension at retirement age. The benefit amount, calculated as of the date of termination, will increase at a rate of 1 percent per year, compounded annually, for members who terminated public service prior to January 1, 2012. There is no benefit growth for members terminating service thereafter.

### **Combined Service and**

**Proportionate Pensions** — Retiring members may elect to combine service in a PERA-covered position with service in any of 12 other Minnesota pension funds and qualify for a retirement benefit from each fund in which they participated. These funds are designated by statute. Vested members qualify for a combined service pension if they have six or more months of service in each fund and have not begun to receive a benefit from any of the designated funds. Pensions are based upon the formula of each fund and the member's average salary over the five highest-paid years of service, no matter when it was earned.

Public employees who retire at or over their Social Security full retirement age with between one and 10 years of service in one or more of eight designated funds may qualify for a proportionate pension. Benefits are paid by each applicable fund in which the employee has credit and are based upon the formula of each fund and the member's average salary during the period of service covered by that fund.

The Statewide Volunteer Firefighter Retirement Plan and the Defined Contribution Plan only provide lump-sum benefits.\*

### EARNINGS LIMITATION

Retirees who return to work in a PERAcovered position are subject to the same earnings limitations as Social Security recipients. Benefits are reduced if these limits are exceeded, with the amount held in escrow. The retiree may request repayment of these funds one year after leaving the position. If reemployment extends through the end of a calendar year, the deductions from that year may be reclaimed one year later.

The earnings limitation only applies to PERA-covered employment. Self- or private employment and elected service will result in no benefit reduction for retirees.\*\*

Because they only provide lump-sum benefits, the Defined Contribution Plan and the Statewide Volunteer Firefighter Retirement Plan have no earnings limits.

### DISABILITY BENEFITS

Members may be eligible for benefits from PERA if they are unable to work because of a physical or mental disability. Disability is defined by statute, and PERA may require periodic medical examinations of those receiving these benefits.

Disability benefit calculations are based upon years of service and average high-five salary for Coordinated members. For Police and Fire plan members, there is a minimum benefit of 60 percent of salary if disabled while engaged in hazardous activities related to the occupation. The minimum duty-related disability benefit is 47.5 percent for Correctional Plan members. Disability under any other circumstances results in a minimum benefit of 45 percent of salary for Police and Fire members and 19 percent for Correctional members.\*\*

Coordinated members qualify for disability when vested for a retirement benefit, and by meeting the statutory definition. Police and Fire and Correctional members qualify by meeting the definition with one or more years of service if disabled outside the line of duty. If disabled in the line of duty, there is no minimum service requirement.

Neither the Defined Contribution Plan nor the Statewide Volunteer Firefighter Retirement Plan have specific disability benefits. However, the DCP does allow for monthly benefit payments until the account balance is exhausted.

### SURVIVOR BENEFITS

PERA also provides survivor (death) benefits for families of members who qualify for such coverage should they die before commencing retirement benefit payments. The qualifications and types of benefits vary with each plan.

A Lifetime Survivor Benefit is available to the surviving spouse\* of a Coordinated, Correctional, or Police and Fire member. For Police and Fire members, this benefit is based on either 50 percent of the member's average salary during the six months prior to death or a formula using the member's total years of service, high-five salary, age at death and age of the spouse. The surviving spouse benefit for Coordinated and Correctional members is only based on the

### N DTE:

- <sup>c</sup> Under legislation enacted in 2015, the Statewide Volunteer Retirement Plan may administer defined benefit plans with monthly pension benefits for relief associations that elect to do so.
- \*\* Earnings limits are waived for Coordinated members who begin receiving benefits under a Phased Retirement Agreement. Phased Retirement allows members age 62 and above to begin receiving a pension without termination of public service if they accept a reduction in hours worked to less than 1,044 per year. The agreements can be up to one year in length and can be renewed for up to five years. The program sunsets in 2019.
- \*\* A duty disability benefit will only be awarded if the disabling event occurred while the member was engaged in hazardous activities inherent to the occupation.
- \*\*\* As of August 1, 2013, Minnesota recognizes same-sex marriage. PERA' s governing statutes make no distinction concerning the gender of a spouse, and the agency therefore follows the state's definition of a valid marriage.

## Summary

(Continued)

### N<u>ote</u>:

- \* Automatic lifetime Survivor Benefits are also available to the spouse of Police and Fire members who suffer total and permanent duty disability. Survivor benefits for other disabled members are only available if the member chooses a Survivor Option to their disability benefit.
- \*\* Survivor benefits are immediately suspended for any survivor charged with causing the death of an Association member. The benefit is permanently revoked upon conviction of such a crime.

This is a summary of the laws, regulations, and administrative rules governing the Public Employees Retirement Association and should not be interpreted as a comprehensive explanation thereof. If there is any discrepancy between this summary and the laws governing PERA, the statutes and regulations shall govern. formula. This benefit is payable to the spouse of a deceased member for life, even upon remarriage.\*

For the surviving spouse of a Coordinated or Correctional member, there are alternative term-certain benefits of 10, 15, or 20 years duration. The monthly payment, however, may not exceed 75 percent of the member's average high five-year salary.\*\*

Dependent children of active or disabled Police and Fire members are eligible for benefits until age 18, or age 23 if full-time students. In this case, the maximum family benefit is 70 percent of the member's average monthly salary. If a Coordinated or Correctional member dies and there is no surviving spouse, any children under age 20 qualify to receive a monthly term-certain benefit.

Instead of a monthly benefit, the surviving spouse, if a designated beneficiary, may elect a refund of any remaining employee contributions in the account, plus interest. However, a refund may not be elected if there are dependent children who are eligible for benefits.

The Statewide Volunteer Firefighter Retirement Plan provides for payment of the member's accrued benefits to a surviving spouse or, if none, to minor children or, finally, the member's estate, based on retirement at age 50.

Similarly, the Defined Contribution Plan provides for payment of the account balance to beneficiaries.

### REFUNDS

Refunds of contributions are available at any time to members who leave public service and have not yet begun receiving a pension. The refund includes employee contributions plus 4 percent interest, compounded annually.

A refund of member contributions plus interest may also be elected by the designated beneficiary of a member or former member who dies before reaching retirement. If there is no beneficiary, payment is made to the surviving spouse or, if none, to the estate of the deceased member or former member.

If a retiree and designated survivor, if any, die before all employee contributions are paid in the form of a pension or benefits, the remaining balance would be paid in the same manner outlined for beneficiaries.

No interest is paid to beneficiaries on the balance in an account if the member was receiving retirement benefits.

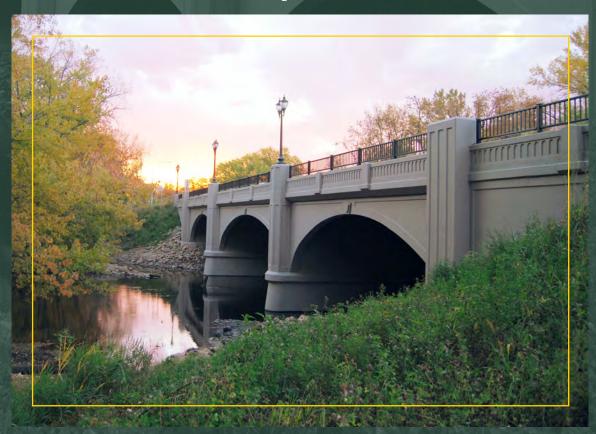
A former member who has received a refund may repay all or a portion of the refund after having reentered pubic service for a minimum of six months. This restores forfeited service. Interest charged on repayment is 8.5 percent, compounded annually until June 30, 2015, and 8 percent thereafter.

# Financial Section

Independent Auditor's Report Management Discussion and Analysis Statement of Fiduciary Net Position Statement of Changes in Fiduciary Net Position Notes to the Financial Statements Schedule of Changes in Net Pension Liabilities and Related Ratios Schedule of Contributions from Employers and Nonemployers Schedule of Investment Returns Schedule of Changes in Assets of Agency Fund

Schedule of Investment Expenses and Payments to Consultants

Schedule of Administrative Expenses



Dunn Bridge, Princeton

- Photo by Minnesota DOT -

### THIS PAGE LEFT BLANK INTENTIONALLY.

# Independent Auditor's Report



### OFFICE OF THE LEGISLATIVE AUDITOR

STATE OF MINNESOTA • James Nobles, Legislative Auditor

Members of the Board of Trustees Public Employees Retirement Association of Minnesota

Mr. Doug Anderson, Executive Director Public Employees Retirement Association of Minnesota

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

We have audited the accompanying financial statements of the Public Employees Retirement Association of Minnesota (PERA), which compromise of the statement of fiduciary net position as of June 30, 2015, and the related statement of changes in fiduciary net position, and notes to the financial statements, as listed in the Financial Section of the Table of Contents.

### Management's Responsibility for the Financial Statements

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

### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal controls relevant to PERA's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of PERA's internal controls. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Room 140 Centennial Building, 658 Cedar Street, Saint Paul, Minnesota 55155-1603 • Tel: 651/296-E-mail: auditor@state.mn.us • Web Site: www.auditor.leg.state.mn.us • Through Minnesota



### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Public Employees Retirement Association of Minnesota as of June 30, 2015, and the changes in financial position for the fiscal year then ended in conformity with accounting principles generally accepted in the United States of America.

### Emphasis of Matter – Assumptions Used

In its fiscal year 2015 financial report, PERA determined its pension liability using assumptions that conform to actuarial standards of practice issued by the Actuarial Standards Board, as required by the Governmental Accounting Standards Board (GASB). See Note 6 in the Notes to the Financial Statements for further information about PERA's net pension liability.

In 2015, PERA's actuary reported the results of its most recent experience study and recommended changes to certain actuarial assumptions for PERA's General Employees Retirement Fund only. The experience study compared the actual experience of plan participants to assumptions used to estimate the cost of future benefit payments. The experience study examined actual experience for the six-year period ending June

> Public Employees Retirement Association of Minnesota

# **Independent Auditor's Report**

### (Continued)

30, 2014. The changes to actuarial assumptions recommended by the actuary as a result of this experience study would result in a larger pension liability.

For its estimate of the pension liability at June 30, 2015, PERA did not revise the actuarial assumptions to implement its actuary's recommended changes based on the experience study. Instead, PERA continued to use the actuarial assumptions based on an experience study of the four-year period ending June 30, 2008. PERA plans to implement the recommended changes to the assumptions for its fiscal year 2016 estimate of pension liability. We estimate that if PERA had implemented the recommended changes to the actuarial assumptions, the pension liability for the General Employees Retirement Fund could be about \$1 billion higher than reported. However, it is important to recognize that the actuarial valuation process, while very sophisticated in its calculation methodology, is still an estimate based on assumptions about events, which occur many years into the future. Other assumption sets may also be reasonable. The pension liability based on those assumptions would be different. No one set of assumptions is uniquely correct.

Because the actuarial assumptions used to determine its 2015 pension liability were reasonable and compliant with Actuarial Standards of Practice and GASB standards, PERA's decision to delay the implementation of recommended changes to its actuarial assumptions study had no effect on our audit opinion.

Minnesota Statutes 2015, 356.20, require PERA to include in its financial report information using funding-focused statutory assumptions and methodologies. For its fiscal year 2015 financial report, the funding-focused information differs from the GASB-based information primarily for the following reasons:

- (1) The discount rate required by statute for funding purposes was higher than the discount rate used for financial reporting purposes. The discount rate is the rate used to bring the projected benefit payments to the present value of those benefits (the pension liability). A higher discount rate results in a smaller pension liability.
- (2) For funding purposes, statutes require investment gains and losses be recognized over a five-year period to "smooth" the volatility that can occur from year to year. For GASB financial reporting purposes, assets are valued at market value as of the end of the fiscal year.

Including funding-focused information was necessary for PERA to comply with state law and had no effect on our audit opinion.

### **Required Supplementary Information**

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

### Other Information Included with the Financial Statements

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise PERA's basic financial statements. The supporting schedules in the Financial Section and the Introductory, Investment, Actuarial, and Statistical Sections, as listed in the Table of Contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

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

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

### Other Reporting Required by Government Auditing Standards

In accordance with Government Auditing Standards, we will issue our report on our consideration of the Public Employees Retirement Association of Minnesota's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards and should be considered in assessing the results of our audit.

Jamm R. Marks

Cecile Mr. Serkul

James R. Nobles Legislative Auditor

December 21, 2015

Saint Paul, Minnesota

Cecile M. Ferkul, CPA, CISA Deputy Legislative Auditor

**18** Public Employees Retirement Association of Minnesota

## **Management Discussion and Analysis**

### Management's Discussion and Analysis

As management of Minnesota's Public Employees Retirement Association (PERA), we present this discussion and analysis of the financial activities for the year ended June 30, 2015 (FY15). This narrative is intended to supplement the financial statements which follow this discussion, and should be read in conjunction with the transmittal letter, which begins on page 5 of this annual report.

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

This Comprehensive Annual Financial Report (CAFR) contains two basic financial statements: the *Statement of Fiduciary Net Position and the Statement of Changes in Fiduciary Net Position*. These financial statements, in conjunction with the accompanying *Notes to the Financial Statements*, report information about PERA's financial condition in an attempt to answer the question: "Is PERA better off or worse off as a result of this year's activities?" These statements are prepared using the accrual basis of accounting as is required by generally accepted accounting principles laid out in statements issued by the Government Accounting Standards Board (GASB).

### **Basic Financial Statements**

The *Statement of Fiduciary Net Position* provides a snapshot of account balances at year-end. It reports the assets available for future payments to benefit recipients, along with any liabilities that are owed as of the statement date. The difference between assets and liabilities, called "Net Position Restricted for Pensions," represents the value of assets held in trust for future benefit payments. Over time, increases and decreases in Net Position can be one measurement of whether PERA's financial position is increasing or decreasing.

The *Statement of Changes in Fiduciary Net Position*, on the other hand, shows additions to and deductions from Net Position that took place throughout the year.

### Notes to the Basic Financial Statements

The *Notes to the Financial Statements* are an integral part of the financial statements and provide additional information that is essential for a comprehensive understanding of the data provided in the financial statements. The Notes describe the accounting and administrative policies under which PERA operates, and provide additional levels of detail for selected financial statement items.

- Note 1 provides a description of PERA, including a background of PERA as an organization, its employers, participating members and benefit provisions of the various plans.
- Note 2 provides a Summary of Significant Accounting Policies. This section provides notes on PERA as a reporting entity, the basis of presentation and accounting, and an explanation of various financial statement components like cash, receivables, investments, capital assets, accrued compensated absences and administrative expenses.
- Note 3 provides information about cash deposits and PERA's investments, including various risks, derivatives and securities lending.
- Note 4 provides information about capital assets, including PERA's building and the land it sits on.
- ► Note 5 provides information about contributions.
- Note 6 provides information about the net pension liability, calculated using the new pension accounting standards.
- Note 7 provides information about new asset transfers and the merger of the Minneapolis Employees Retirement Fund into PERA's General Plan.

### **Financial Highlights**

- PERA's Net Position increased 1.4 percent during the year from \$26.1 billion in fiscal year 2014 (FY14) to \$26.5 billion in FY15.
- Total additions for FY15 were \$2.2 billion, comprised of contributions of \$1 billion, investment gains of \$1.1 billion, and a transfer of assets from new participants in the Statewide Volunteer Firefighter Retirement Plan of nearly \$5 million.

# Discussion and Analysis

### (Continued)

- Total deductions for the year increased from \$1.75 billion in FY14 to \$1.85 billion in FY15 largely due to an increase in the number of benefit recipients and a one percent COLA granted in January 2015.
- As of June 30, 2015 the actuarially funding status for the main retirement plans administered by PERA is as follows:
  - General Employees Retirement Fund is actuarially funded at 76.3 percent
  - Police and Fire Fund is actuarially funded at 83.6 percent, and
  - Correctional Fund is actuarially funded at 95.6 percent.

### Financial Analysis of PERA's Funds

PERA is the administrator of three multiple-employer cost-sharing defined benefit plans, one agent lumpsum defined benefit plan, and one defined contribution plan. In a defined contribution plan, pension benefits are determined by contributions made to a member's account and investment returns for those contributions. PERA administers one such plan: the Public Employees Defined Contribution Plan (PEDCP). In a defined benefit plan, pension benefits are determined by a member's salary or benefit level and credited years of service, regardless of contribution amounts and investment returns for those contributions over the working career of a member. PERA administers four such plans:

- ➡ General Employees Retirement Fund (GERF),
- ➡ Public Employees Police and Fire Fund (PEPFF),
- Public Employees Local Government Correctional Services Retirement Fund (which is called the Public Employees Correctional Fund or PECF), and
- Statewide Volunteer Firefighter Retirement Plan (SVF).

### **GERF**

Total assets as of June 30, 2015 were \$20.5 billion in the GERF, an increase of \$1.2 billion or 6.1 percent from the prior year. The primary reasons for the increase were a 4.4 percent investment return, and the addition of the Minneapolis Employees Retirement Fund (MERF) plan into the GERF.

Total liabilities as of June 30, 2015 were \$1.9 billion, an increase of \$7 million from the prior year, mostly due to a higher value of securities lending collateral on the books at year end.

Total net position, the difference between total assets and total liabilities, increased \$1.2 billion, or 6.8 percent, in FY15 to \$18.6 billion.

### Additions to Plan Net Position

The reserves needed to finance retirement benefits are accumulated through the collection of member and employer contributions and through earnings on invest-

	G	ERF	PE	PFF	PI	CF
	2015	2014	2015	2014	2015	2014
ASSETS						
Cash & Receivables	\$ 47,518	\$ 16,900	\$ 16,811	\$ 18,008	\$ 504	\$ 561
Investments Securities Lending Collateral	$18,535,696 \\ 1,891,438$	17,389,635 1,883,665	7,335,023 748,586	7,258,166 786,712	490,486 50,023	452,927 49,007
Capital Assets & Other	7,382	7,626	/40,500	/80,/12	0,023	49,007
Total Assets	\$20,482,034	\$ 19,297,826	\$8,100,420	\$8,062,886	\$541,013	\$502,495
Accounts Payable Accrued Compensated Absences	\$ 1,263 887	\$ 1,170 871	\$ 3,130 0	\$ 3,074 0	\$ 259	\$ 256 0
Securities Lending Collateral	1,891,438	1,883,665	748,586	786,712	50,023	49,007
Bonds Payable	6,651	7,298	0	0	0	0
Total Liabilities	\$ 1,900,239	\$ 1,893,004	\$ 751,716	\$ 789,786	\$ 50,282	\$ 49,263
Total Net Position	\$18,581,795	\$ 17,404,822	\$7,348,704	\$7,273,100	\$490,731	\$453,232

### Fiduciary Net Position—Defined Benefit Plans (dollars in thousands)



ments. Total contributions and net investment income for FY15 exceeded \$1.5 billion.

Employer contributions and member contributions increased from the previous year by a total of \$72 million, largely due to salary increases, more active members, and a contribution rate increase halfway through the fiscal year. Net investment income totaled \$777 million as the result of a 4.4 percent rate of return in FY15.

### **Deductions from Plan Net Position**

The plan's largest expense was for retirement benefits to members and beneficiaries. Total benefits increased 11.3 percent to a little more than \$1.2 billion in FY15. The increase in benefits resulted from an increase in the number of benefit recipients and a one percent cost of living increase for most retirees effective January 1, 2015.

### Special Item

The Minneapolis Employees Retirement Fund (MERF) was formed in 1919. In 2010 legislation was passed that consolidated MERF as a separate plan administered by PERA effective June 30, 2010. MERF was closed to new members on July 1, 1978, and only 42 active members remain in the plan.

The 2010 legislation included a provision to fully merge MERF into the GERF once MERF was 80% funded. The FY14 actuarial valuation indicated that MERF had triggered this clause and effective January 1, 2015, MERF assets and liabilities were added to the GERF. \$891,636,449 was transferred from MERF to PERA's GERF and the separate MERF account was closed.

MERF	SVF
2015 2014	2015 2014
\$0 \$ 58,197	\$ 121 \$ 178
0 877,883 0 95,298	32,163 26,208 3,624 3,210
$\frac{0}{\$0} \qquad \frac{0}{\$1,031,378}$	\$35,908 \$29,596
	\$ 2 \$ 0 0 0 3,624 3,210

### **Overall Financial Position**

The financial position of a public pension plan is not so much determined by what is found on the face of the financials, but by looking at trends in the funding ratio and contribution sufficiency or deficiency. The actuarial value of assets, which is smoothed over a 5-year period, increased by \$2.3 billion in FY15 to \$18.0 billion, which is presently \$607 million lower than the fair value of assets. The funding ratio increased from 73.5 percent in FY14 to 76.3 percent in FY15 when calculated using the actuarial value of assets.

For the past several years, contribution rates have not been sufficient for the GERF to become fully funded by its target date of 2031. As of 6/30/13, contributions were deficient by 1.65 percent of pay to reach fully funded status by 2031. Legislation passed in 2013 increased contributions by 0.25 percent for members and employers, effective 1/1/15. In spite of that increase, contributions as of 6/30/15 are deficient by 1.2 percent of pay, an improvement from the 2.1 percent deficiency in FY14.

### PEPFF

Total assets as of June 30, 2015 were over \$8 billion in the Public Employees Police and Fire Fund, an increase of \$37 million, or 0.5 percent from the prior year. Total liabilities as of June 30, 2015 were \$752 million, a decrease of \$38 million due to the smaller securities lending collateral on the books at the end of the fiscal year.

Total net position increased \$76 million or roughly 1.0 percent from the prior year to an ending balance of \$7.3 billion.

### Additions to Plan Net Position

Employer and employee contributions increased \$19 million in FY15, largely due to salary increases across the board and an increase in the contribution rate on January 1, 2015. The State of Minnesota also began providing \$9 million per year in direct state aid to the PEPFF in 2014. Net investment income in FY15 totaled just over \$317 million, due to a 4.4 percent investment return.

### **Deductions from Plan Net Position**

Retirement benefits to members and beneficiaries made up over 99 percent of the plan's total deductions. The amount of benefits paid increased over 6 percent in FY15 to \$481 million. The increase in

# Discussion and Analysis

(Continued)

benefits resulted from an increase in retirees plus a one percent cost of living increase for most retirees effective January 1, 2015.

### **Overall Financial Position**

As a result of benefit provision changes made during the 2013 legislative session and contribution rate increases in FY15, the plan's funding ratio improved from 80.0 percent at the end of FY14 to 83.6 percent at the end of FY15 and the contribution deficiency improved from 5.1 percent of pay in FY14 to 2.7 percent of pay in FY15.

### PECF

Total assets in the Public Employees Correctional Fund as of June 30, 2015, equaled \$541 million, an increase of \$38 million or 7.7 percent from the prior year. The increase is due to positive investment earnings plus a slightly larger amount of securities lending collateral on the books at year end. The PECF is a fairly new fund with a small asset base, and brings in more cash through contributions than it pays out in benefits and refunds. Total liabilities increased slightly in FY15 due to a larger amount of securities lending collateral at the end of the year. As a result, total net position increased \$37 million in fiscal year 2015, with an ending net position of \$491 million.

### Additions to Plan Net Position

Contributions and net investment income for FY15 totaled \$46.6 million, compared to \$94.6 million in FY14. Employer and member contributions increased \$1.1 million from FY14 levels due to an increase in the number of active members. Net investment income in FY15 totaled \$20 million due to a 4.4 percent investment return. The amount was lower than FY14's \$69 million because the plan experienced an 18.6 percent rate of return in FY14.

### **Deductions from Plan Net Position**

Expenses for this plan are still relatively small. Retirement benefits increased 16 percent from \$6.7 million in FY14 to \$7.8 million in FY15 as more members became eligible to retire.

### **Overall Financial Position**

In only its fifteenth year of existence, the Public Employees Correctional Fund is 95.6 percent funded, which is a slight decrease from last year's 96.2 percent. The decrease is mostly due to investment returns not achieving the assumed rate of return in FY15. Fortunately, contribution rates are still sufficient for the plan to become fully funded by 2031.

### SVF

The Statewide Volunteer Firefighter Retirement Plan is an agent lump-sum defined benefit plan that began January 1, 2010 with 6 fire departments and 129 volunteer firefighters. Since then, an additional 86 fire departments have joined the plan and net assets have increased to \$32 million. Assets increased \$6 million in FY15, largely due to \$4.7 million in new assets being

### Changes in Fiduciary Net Position—Defined Benefit Plans (dollars in thousands)

	GE	RF	PE	PFF	PH	CF
	2015	2014	2015	2014	2015	2014
ADDITIONS						
Employer Contributions	\$ 435,115	\$ 382,251	\$ 144,317	\$ 132,632	\$ 15,736	\$ 15,054
State Contributions	0	0	9,000	9,000	0	0
Member Contributions	353,765	334,495	88,733	81,213	10,472	10,030
Investment Income (Loss)	777,504	2,760,854	317,556	1,158,389	20,373	69,451
State & Other Contributions	278	605	84	18	0	0
Total Additions	\$1,566,662	\$3,478,205	\$559,690	\$1,381,252	\$46,581	\$94,535
DEDUCTIONS						
Retirement Benefits	\$ 1,235,303	\$ 1,109,866	\$ 481,330	\$ 452,462	\$ 7,777	\$ 6,711
Refunds of Contributions	35,655	38,264	1,953	1,633	1,057	1,105
Administrative Expenses	10,367	9,861	803	798	247	237
Total Deductions	\$1,281,325	\$1,157,991	\$484,086	\$ 454,893	\$ 9,081	\$ 8,053
Special Item	\$ 891,636					
Increase (Decrease) in Net Position	\$1,176,973	<u>\$2,320,214</u>	<u>\$ 75,604</u>	<u>\$ 926,359</u>	\$37,500	<u>\$86,482</u>



transferred into the plan from the 13 fire departments that joined the plan during the year, modest investment returns and a slightly larger amount of securities lending collateral at year end.

In its fifth full year, the plan received \$226,000 in contributions from employers and \$1.4 million in fire state aid from the State of Minnesota. Net investment income totaled \$880,000. Benefits paid totaled \$1.2 million. The plan is funded through fire state aid from the State of Minnesota, investment returns, and annual employer contributions (if those contributions are needed to keep each fire department's account 100 percent funded). Net position increased 22.3 percent from FY14 to \$32 million, largely due to the additional fire departments that joined during the year and investment returns.

### Agency Summary

The worst financial crisis in decades had a negative effect on PERA's investment returns in FY08 and FY09, resulting in fairly large losses in our asset base. In order to help shore up the plans, legislation passed in 2010 and 2013 adjusted many of PERA's plan provisions and increased contributions in two of the three multi-employer defined benefit plans. After several years of very healthy investment returns, FY15 returns, although positive, did not reach the assumed return rate of 8.0 percent. Consequently, even with increased contribution rates, a deficiency continues to remain in the GERF and PEPFF as they strive to reach a fully funded status as required by law.

	ME	RF	S	VF
	2015	2014	2015	2014
\$	150	\$ 31,426	\$ 226	\$ 414
	0	24,000	1,430	900
	117	370	0	0
	21,575	145,957	880	2,623
_	3	39	4,667	
5	21,845	\$201,792	\$7,203	\$11,890
\$	66,093	\$134,466	\$1,221	\$ 1,096
	51	47	0	0
	10	146	86	71
5	66,154	\$134,659	\$1,307	\$ 1,167
\$(8	391,636)			

This financial report is designed to provide a general overview of PERA's finances and to demonstrate its accountability with the assets it holds in trust. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to PERA at 60 Empire Drive, Suite 200 in St. Paul, Minnesota 55103-2088.

# **Statement of Fiduciary Net Position**

As of June 30, 2015 (in thousands)

ineneral         inployces         tirement         Fund         1,000         45,296         1,222         46,518         5,883,399         6,364,607         2,882,859         2,762,003         2,288,787         354,041         535,696	Public         Employees         Police and         Fire Fund         \$ 2,544         \$ 14,245         \$ 22         \$ 14,267         \$ 14,267         \$ 14,267         \$ 14,267         \$ 2,328,724         1,727,568         1,141,072         1,093,236         905,931         138,492	Public Employees Correctional Fund           \$ 84           \$ 417           3           \$ 420           \$ 155,540           115,387           76,214           73,019           60 500	Statewide         Volunteer         Firefighter         Fund         \$ 0         \$ 121        0         \$ 121        0         \$ 121        0         \$ 121        0         \$ 121        0         \$ 121        0         \$ 121        0         \$ 0         14,660         11,172         \$ 686
45,296 <u>1,222</u> <b>46,518</b> 5,883,399 6,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>		\$ 417 <u>3</u> \$ 420 \$ 155,540 115,387 76,214 73,019	\$ 121 <u>0</u> <b>\$ 121</b> \$ 0 14,660 11,172
45,296 <u>1,222</u> <b>46,518</b> 5,883,399 6,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>		\$ 417 <u>3</u> \$ 420 \$ 155,540 115,387 76,214 73,019	\$ 121 <u>0</u> <b>\$ 121</b> \$ 0 14,660 11,172
45,296 <u>1,222</u> <b>46,518</b> 5,883,399 6,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>		\$ 417 <u>3</u> \$ 420 \$ 155,540 115,387 76,214 73,019	\$ 121 <u>0</u> <b>\$ 121</b> \$ 0 14,660 11,172
1,222 46,518 5,883,399 6,364,607 2,882,859 2,762,003 2,288,787 354,041	22 <b>\$ 14,267</b> <b>\$</b> 2,328,724 1,727,568 1,141,072 1,093,236 905,931	3 420 \$ 155,540 115,387 76,214 73,019	0 \$ 121 \$ 0 14,660 11,172
1,222 46,518 5,883,399 6,364,607 2,882,859 2,762,003 2,288,787 354,041	22 <b>\$ 14,267</b> <b>\$</b> 2,328,724 1,727,568 1,141,072 1,093,236 905,931	3 420 \$ 155,540 115,387 76,214 73,019	0 \$ 121 \$ 0 14,660 11,172
<b>46,518</b> 5,883,399 4,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>	\$ 14,267 \$2,328,724 1,727,568 1,141,072 1,093,236 905,931	\$ 420 \$ 155,540 115,387 76,214 73,019	<b>\$ 121</b> <b>\$ 0</b> 14,660 11,172
5,883,399 4,364,607 2,882,859 2,762,003 2,288,787 354,041	\$2,328,724 1,727,568 1,141,072 1,093,236 905,931	\$ 155,540 115,387 76,214 73,019	\$ 0 14,660 11,172
4,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>	$1,727,568 \\1,141,072 \\1,093,236 \\905,931$	115,387 76,214 73,019	14,660 11,172
4,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>	$1,727,568 \\1,141,072 \\1,093,236 \\905,931$	115,387 76,214 73,019	14,660 11,172
4,364,607 2,882,859 2,762,003 2,288,787 <u>354,041</u>	$1,727,568 \\1,141,072 \\1,093,236 \\905,931$	115,387 76,214 73,019	11,172
2,882,859 2,762,003 2,288,787 <u>354,041</u>	$1,141,072 \\ 1,093,236 \\ 905,931$	76,214 73,019	11,172
2,288,787 354,041	905,931		4 606
354,041		60 500	4,686
	128 /02	60,509	0
535 696	130,492	9,817	<u>1,645</u>
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$7,335,023	\$490,486	\$32,163
,891,438	\$ 748,586	\$ 50,023	\$ 3,624
167	\$ 0	\$ 0	\$ 0
7,215 7,382	\$ <b>0</b>	\$ <u>0</u>	<u>     0</u> <b>\$    0</b>
,482,034	\$8,100,420	\$541,013	\$35,908
7,382	\$ 0	\$ O	
1.238	\$ 2.334	\$ 15	\$ 2
25			* - 0
			3,624
	0	0	0
6,651	0	0	0
,900,239	<u>\$ 751,716</u>	\$ 50,282	\$ 3,626
	1,238 25 ,891,438 887 6,651	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$



The accompanying notes are an integral part of the financial statements.

Public Employees Defined Contribution <u>Plan</u>	Agency Fund Other Post Employment Benefits	<u> </u>
\$ 116	\$ 951	\$ 4,695
$ \begin{array}{c} \$ & 70 \\ \hline 0 \\ \$ & 70 \end{array} $	$ \begin{array}{c} \$ & 0 \\ \hline 0 \\ \$ & 0 \end{array} $	\$ 60,149 <u>1,247</u> \$ 61,396
\$ 8,155 7,195 37,261 2,786 0 <u>2,260</u> \$57,657 \$ 6,791	\$ 0 67,242 399,844 0 0 <u>18,901</u> \$485,987 \$ 0	<pre>\$ 8,375,818 6,296,659 4,548,422 3,935,730 3,255,227 <u>525,156</u> \$26,937,012 \$ 2,700,462</pre>
$\begin{array}{c} \$  0\\ \hline \hline \$  0\\ \hline \$  0 \end{array}$	\$ 0 <u>0</u> \$ 0	\$ 167 <u>7,215</u> \$ 7,382
<u>\$64,634</u>	\$486,938	<u>\$29,710,947</u>

\$	1	\$ 486,938	\$ 490,528
	182	0	1,247
	6,791	0	2,700,462
	0	0	887
_	0	0	6,651
<u>\$</u>	6,974	\$486,938	\$ 3,199,775

<u>\$57,660</u>	<u>\$0</u>	<u>\$26,511,172</u>

## Statement of Changes in Fiduciary Net Position

For the Fiscal Year Ended June 30, 2015 (in thousands)

Public Employees Police & Fire FundPublic Employees Correctional Fund\$ 144,317\$ 15,7369,0000 $\frac{88,733}{$ 242,050}$ $\frac{10,472}{$ 26,208}$ \$ 323,936\$ 20,782 $\frac{(10,230)}{$ 313,706}$ \$ 20,116
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
\$ 242,050 \$ 26,208 \$ 26,208 \$ 20,782 (10,230) (666)
323,936 $(10,230)$ $(666)$
(10,230) (666)
(10,230) (666)
(10,230) (666)
(10,230) (666)
\$ 515,/U0 \$ 20,110
\$ 5,606 \$ 375
(220) (15)
(1536) (103)
\$ 3,850 (100) \$ 257
$\varphi$ $y_{10}$
\$ 317,556 \$ 20,373
<u>\$ 84</u> <u>\$ 0</u>
<u>\$ 559,690</u> <u>\$46,581</u>
\$ 481,330 \$ 7,777 1,953 1,057 <u>803</u> 247
<u>\$ 484,086</u> <u>\$ 9,081</u>
<u>\$ 75,604</u> <u>\$ 37,500</u>
<u>\$7,273,100</u> <u>\$453,231</u>
<u>\$7,348,704</u> <u>\$490,731</u>
<u>++,,,,,,,,,,</u> <u>++,,,,,,,,,,,,,,,,,,,,,,</u>

The accompanying notes are an integral part of the financial statements.

Minneapolis Employees <u>Retirement Fund</u>	Statewide Volunteer Firefighter Fund	Public Employees Defined Contribution Plan	Total
\$ 267 \$ 21,428	\$ 1,656 \$ 889	\$ 3,548 \$ 2 ,703	\$ 1,062,609 \$ 1,163,443
(7 <u>4)</u> <b>\$ 21,354</b>	<u>(28)</u> \$861	<u>(56)</u> \$ 2,647	<u>(36,762)</u> \$ 1,126,681
322 (13) (88) (88) (32)			\$ 20,222 (793) <u>(5,541)</u> <b>\$ 13,888</b>
\$ 21,575 <u>\$ 3</u>	\$ 880 <u>\$ 4,667</u>	\$ 2,681 <u>\$ 0</u>	\$ 1,140,569 <u>\$ 5,032</u>
<u>\$ 21,845</u>	<u>\$ 7,203</u>	<u>\$6,229</u>	<u>\$ 2,208,210</u>
\$ 66,093 51 <u>10</u>	\$ 1,221 0 <u>86</u>	\$ 0 3,489 <u>186</u>	\$ 1,791,724 42,205 1,699_
<u>\$ 66,154</u>	<u>\$ 1,307</u>	<u>\$ 3,675</u>	<u>\$ 1,845,628</u>
\$ (891,636)			
<u>\$(935,945)</u>	<u>\$ 5,896</u>	<u>\$ 2,554</u>	<u>\$ 362,582</u>
<u>\$ 935,945</u> <u>\$ 0</u>	<u>\$26,386</u> <u>\$32,282</u>	<u>\$55,106</u> <u>\$57,660</u>	<u>\$26,148,590</u> <u>\$26,511,172</u>
<u> </u>	<u>+</u>	<u>+&gt;+,</u>	

# Notes to the Financial Statements

For the Fiscal Year Ended June 30, 2015

### Note 1

**D** ERA is the

three cost-sharing,

multiple-employer

retirement plans;

one agent multi-

ple-employer retire-

ment plan; and one

multiple-employer

deferred compensa-

tion plan.

Plan

**Participation** 

(Total Membership)

413,213

administrator of

### **Plan Description**

A) Organization

The Public Employees Retirement Association (PERA) is the administrator of three cost-sharing multiple-employer retirement plans, the General Employees Retirement Fund (GERF), the Public Employees Police and Fire Fund (PEPFF), and the Public Employees Local Government Correctional Service Retirement Fund, called the Public Employees Correctional Fund (PECF). A fourth cost-sharing multiple-employer retirement plan, the Minneapolis Employees Retirement Fund (MERF), was fully merged into the GERF in January, 2015, so it no longer exists as a separate plan. In addition, PERA administers one agent multiple-employer retirement plan, the Statewide Volunteer Firefighter Retirement Plan (SVF) and one multiple-employer deferred compensation plan, the Public Employees Defined Contribution Plan (PEDCP). PERA also administers an agency fund to track the investments placed in a trust by various entities with the State Board of Investment to cover future other postemployment benefit costs. The plans, including benefit provisions and the obligation to make contributions, are established and administered in accordance with Minnesota Statutes Chapters 353, 353D, 353E, 353G and 356. It is also these statutes that define financial reporting requirements.

Responsibility for the organization is vested in PERA's Board of Trustees, which consists of eleven members—the State Auditor (by virtue of office); five trustees appointed by the Governor to represent counties, cities, school boards, retired annuitants, and the general public; and five trustees elected by PERA's members (three from general membership, one retiree/disabilitant, and one Police & Fire Fund member).

### **B)** Participating Employers

PERA serves approximately 2,000 separate units of government in the GERF, 500 units of government in the PEPFF, 80 counties in the PECF, 90 fire departments in the SVF, and 1,000 units in the PEDCP. These units of government are made up of counties, cities, townships, school districts, and other units of government whose revenues are derived from taxation, fees, or assessments. The PEDCP serves any local unit of government whose current or former elected officials elect to participate. The PEDCP also serves any publicly operated ambulance service that receives an operating subsidy from a governmental entity and elects to participate in the plan. The State of Minnesota provides aid directly to the PEPFF (\$9 million each year), to each of the fire departments in the SVF (fire state aid, based on income generated from insurance policies), and is the only nonemployer contributing entity.

### C) Participating Members

The GERF covers employees of counties, cities, townships and employees of schools in non-certified positions throughout the State of Minnesota. The PEPFF, originally established for police officers and firefighters not covered by a local relief association, now covers all police officers and firefighters hired since 1980. Effective July 1, 1999, the PEPFF also covers police officers and firefighters belonging to a local relief association that elected to merge with and transfer assets and administration to PERA. The PECF covers employees in county correctional institutions who have direct contact with inmates. The SVF covers approximately 1,900 volunteer firefighters whose fire departments elected to be covered

GERF PEPFF

23 921

9,315

PECF

by PERA. Coverage under the PEDCP is open to elected local government officials (except elected county sheriffs), emergency medical service personnel employed by or providing service to any of the participating ambulance services, and physicians employed at public facilities. Elected officials and ambulance personnel who are covered by a public or private pension plan because of their employment are not eligible to participate in the PEDCP. At June 30, 2015, there were 7,714 members in the PEDCP.

Shown in **Figure 1** below are the membership totals in PERA's multi-employer defined benefit plans as of June 30, 2015.

D) Benefit Provisions - Defined Benefit Annuity Plans PERA's defined benefit plans are tax qualified plans under Section 401(a) of the Internal Revenue Code. PERA provides retirement benefits as well as disability benefits to members, and benefits to survivors upon death of eligible members. All benefits for members first hired before July 1, 2010, vest after three years of credited service. Retirement benefits are based on a member's highest average salary for any five successive years of allowable service, age, and years of credit at termination of service. A reduced retirement annuity is also available to eligible members seeking early retirement.

#### **General Employees Retirement Fund**

Benefits for GERF members first hired after June 30, 2010, vest after five years of credited service. GERF members belong to either the Basic or Coordinated Plan.

Fig.1 PERA Membership — Defined Benefit Plans

	GERF	PEPFF	PECF	Total
Retirees and beneficiaries receiving benefits	90,592	10,209	864	101,665
Terminated employees entitled to benefits/refunds but not yet receiving them:				
Vested	51,605	1,560	2,620	55,785
Non-Vested	125,366	995	2,139	128,500
Current, active employees:				
Vested	92,660	9,169	2,303	104,132
Non-Vested	52,990	1,988	1,389	56,367
Total	413,213	23,921	9,315	446,449

Coordinated members are covered by Social Security and Basic members are not. All new GERF members must participate in the Coordinated Plan. Two methods are used to compute benefits for Coordinated and Basic members. The retiring member receives the higher of a step rate benefit accrual formula (Method 1) or a level accrual formula (Method 2).

Under Method 1, the annuity accrual rate for Basic members is 2.2% of average salary for each of the first ten years of service and 2.7% for each remaining year. For a Coordinated member, the annuity accrual rate is 1.2% of average salary for each of the first ten years of service and 1.7% for each remaining year. Under Method 2, the annuity accrual rate is 2.7% of average salary for Basic members and 1.7% for Coordinated members for each year of service. For GERF members whose annuity is calculated using Method 1, a full annuity is available when age plus years of service equal at least 90.

### Police and Fire Fund

Benefits for PEPFF members first hired after June 30, 2010, but before July 1, 2014, vest on a prorated basis from 50% after five years up to 100% after ten years of credited service. Benefits for PEPFF members first hired after June 30, 2014, vest on a prorated basis from 50% after ten years up to 100% after twenty years of credited service. The annuity accrual rate is 3% of average salary for each year of service. For PEPFF members who were first hired prior to July 1, 1989, a full annuity is available when age plus years of service equal

at least 90.

P ERA's defined benefit plans are tax qualified plans under Section 401(a) of the Internal Revenue Code.

S ince 2010, both the Public Employees Police and Fire Fund and Public Employees Correctional Fund have had graduated vesting for new participants.

Public Employees Retirement Association of Minnesota Notes

(Continued)

The Statewide Volunteer Firefighter Retirement Plan, first available on January 1, 2010, is a lump-sum defined benefit plan primarily funded by fire state aid.

### Public Employees Correctional Fund

Benefits for PECF members first hired after June 30, 2010, vest on a prorated basis from 50% after five years up to 100% after ten years of credited service. The annuity accrual rate is 1.9% of average salary for each year of service in that plan. For PECF members who were first hired prior to July 1, 1989, a full annuity is available when age plus years of service equal at least 90.

### Minneapolis Employees Retirement Fund

The annuity accrual rate for former MERF members is 2.0% of average salary for each of the first ten years of service and 2.5% for each remaining year. MERF members may choose a death benefit option with the death benefit being at least \$500 and not more than one-half the value of the employee's total retirement benefit.

### Post Retirement Increases

Post retirement increases of 1% (2.5% for PECF) are given each year to annuitants who have been receiving a benefit for at least 12 months (36 months for PEPFF annuitants whose benefits were effective after June 1, 2014). If the market value of assets equals or exceeds 90% of the actuarial accrued liability in the two most recent consecutive actuarial valuations for each plan, the post retirement increase will increase to 2.5% for annuitants in that plan.

The PEDCP is a tax qualified plan under Section 401(a) of the Internal Revenue Code and all contributions by or on behalf of employees are tax deferred until time of withdrawal.

The benefit provisions stated in the preceding paragraphs of this section are current provisions and apply to active plan participants. Vested, terminated employees who are entitled to benefits but are not receiving them yet are bound by the provisions in effect at the time they last terminated their public service.

E) Benefit Provisions – Lump-Sum Defined Benefit Plan The Statewide Volunteer Firefighter Retirement Plan, first available on January 1, 2010, is a lump-sum defined benefit plan funded by fire state aid, investment earnings and (if necessary) employer contributions. Members do not contribute to the plan. Benefits are paid based on the number of years of service multiplied by a benefit level chosen by the entity sponsoring the fire department from 71 possible levels ranging from \$500 per year of service to \$7,500 per year of service. Plan provisions include a pro-rated vesting schedule that increases from 5 years at 40% through 20 years at 100%. The plan is established and administered in accordance with Minnesota Statutes, Chapter 353G.

F) Benefit Provisions — Defined Contribution Plan The PEDCP is a tax qualified plan under Section 401(a) of the Internal Revenue Code and all contributions by or on behalf of employees are tax deferred until time of withdrawal. The plan is established and administered in accordance with Minnesota Statutes, Chapter 353D.

Plan benefits depend solely on amounts contributed to the plan plus investment earnings, less administrative expenses. Employer and employee contributions are combined and used to purchase shares in one or more of the seven accounts of the Minnesota Supplemental Investment Fund. Investment options include the Income Share, Growth Share, Common Stock Index, Bond Market, Money Market, International Share, and the Fixed Interest accounts. For administering the plan, PERA receives 2.0% of employer contributions paid during the year, plus twenty five-hundredths of one percent (0.25%)of the assets in each member's account each vear.

There is no vesting period required to receive benefits in the PEDCP. At the time of retirement or termination, PERA distributes the market value of a member's account to the member or transfers it to another qualified plan or individual retirement account. Upon the member's death, PERA distributes the value of the account to the member's designated beneficiary.

### G) Agency Fund

Minnesota Statute 471.6175, added in the 2008 legislative session, allows any political subdivision or other public entity that has an OPEB liability to create a separate trust with the State Board of Investment (SBI) to pay future OPEB costs. Since PERA already had a reporting relationship with most governmental entities, the Association was asked to collect voluntary employer contributions and send them to the SBI. The various entities are responsible for making sure any withdrawals are done in accordance with generally accepted accounting principles and Minnesota Statutes. They are also responsible for setting and paying benefits, for determining voluntary contribution amounts, and for handling any OPEB reporting requirements. Entities may transfer their assets from PERA/SBI to a bank or insurance company at any time. As of June 30, 2015, 21 different entities had assets worth \$487 million in separate revocable and irrevocable trusts that will be used to pay OPEB costs in the future.

### Note 2

# Summary of Significant Accounting Policies

#### A) Reporting Entity

PERA functions as a separate statutory entity. The Association maintains rights to sue or be sued in its own name and to hold property in its own name. For financial reporting purposes, PERA is considered a pension trust fund of the State of Minnesota and is included in the State's Comprehensive Annual Financial Report with its fiduciary funds. PERA does not have any component units.

#### B) Basis of Presentation and Basis of Accounting

The accompanying financial statements are prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) that apply to governmental accounting for fiduciary funds. Financial statements for all plans are prepared using the accrual basis of accounting. Employee and employer contributions are recognized as revenues when due, pursuant to formal commitments and statutory requirements. Expenses are recorded when the corresponding liabilities are incurred, regardless of when payment is made. Benefits and refunds are recognized when due and payable in accordance with the terms of each plan.

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue and expenses. Actual results could differ from those estimates.

### C) Cash

For PERA's defined benefit and defined contribution plans, cash includes cash on deposit in the state's treasury, which is commingled with other state funds. Cash on deposit consists of year-end receipts not yet processed as of the investment cutoff on June 30. In the agency fund, cash consists of recent receipts held by the SBI that have not yet been invested in one of the available three pools.

### D) Receivables

Accounts receivable represents plan member and employer contributions which are received after fiscal year-end for services rendered prior to fiscal year-end. For GERF, the receivable also includes an employer supplemental contribution of \$31 million billed in fiscal year 2015 but not due from employers until fiscal year 2016.

Due from Other Funds represents the reallocation of administrative expenses, which is done annually in August once the fiscal year's expenses have been finalized.

### E) Investments

Pursuant to Minnesota Statutes, Section 11A.04, the state's retirement plan assets are commingled in various pooled investment accounts, administered by the State Board of Investment (SBI). As of June 30, 2015, the participation shares in the combined retirement fund at fair value totaled approximately 30.8% for the GERF, 12.2% for the PEPFF, and 0.8% for the PECF.

The State Board of Investment is made up of Minnesota's Governor, State Auditor, Secretary of State and Attorney General. The authority for establishing and amending investment policy decisions is granted to the SBI in Minnesota Statutes, Section P ERA functions as a separate statutory entity. The association maintains rights to sue or be sued in its own name and to hold property in its own name. For financial reporting purposes, PERA is considered a pension trust fund of the State of Minnesota.

The state's retirement plan assets are commingled in various pooled investment accounts, administered by the State Board of Investment (SBI).

# Notes

(Continued)

The State Board of Investment is made up of Minnesota's Governor, State Auditor, Secretary of State and Attorney General. The authority for establishing and amending investment policy decisions is granted to the SBI in Minnesota Statutes, Section 11A.04.

nformation about the primary government's investments, including credit risk classification, can be obtained from Minnesota Management & Budget, 400 Centennial Building, 658 Cedar Street, St. Paul, Minnesota 55155.

11A.04. The Legislature has also established a seventeen member Investment Advisory Council (IAC) to advise the Board and its staff on investment-related matters. PERA's Executive Director is a permanent member of the IAC. Minnesota Statutes, Section 11A.24, broadly restricts retirement fund investments to obligations and stocks of United States and Canadian governments, their agencies and their registered corporations; short term obligations of specified high quality; restricted participation as a limited partner in venture capital, real estate or resource equity investments; restricted participation in registered mutual funds; and some qualified foreign instruments. Short-Term investment securities include investments that have high credit quality and are highly liquid. The securities have a low-risk, low-return profile and include U.S. Government Treasury bills, bank certificates of deposit, bankers' acceptances, corporate commercial paper, and other money market instruments.

Investments in the pooled accounts, including assets of the PEDCP and the agency fund, are reported at fair value. Fair value is the proportionate share of the combined market value of the investment portfolio of the SBI investment pool in which the funds participate. All securities within the pools are valued at market value except for U.S. Government shortterm securities and commercial paper, which are valued at market less accrued interest. Accrued interest is recognized as short-term income. SBI values longterm fixed income securities by using the **Financial Times Interactive Data Services** valuation system. This service provides prices for both actively traded and privately placed bonds. For equity securities, SBI uses a valuation service provided by Reuters and market value is the last reported sales price for securities traded on national or international exchanges. If a security is not actively traded, then the fair value is based on the analysis of financial statements, analysis of future cash flows and independent appraisals.

Assumptions made in valuing securities are as follows:

- Values of actively traded securities determined by recognized exchanges are objectively negotiated purchase prices between willing buyers and sellers and are not subject to either undue influence or market manipulation.
- Values of securities not actively traded are determined by objective appraisals by qualified professional analysts whose results would not vary materially from those of other similarly qualified professionals. The fair value of investments is based upon valuations provided by a recognized pricing service. Securities traded on a national or international exchange are valued using the last reported trade price. Short-term investments are reported at cost, which approximates fair value. The fair value of real estate investments is based on independent yearly appraisals. Investments that do not have an established market are reported at estimated fair value.

The SBI made no significant changes to their investment policies during fiscal year 2015.

Information about the primary government's (State of Minnesota) investments, including credit risk classification, can be obtained from Minnesota Management & Budget, 400 Centennial Building, 658 Cedar Street, Saint Paul, Minnesota 55155.

Investment income is recognized as earned. Accrued investment income of the pooled investment accounts is included in participation in the accounts. Gains and losses on sales or exchanges are recognized on the transaction date.

For financial reporting purposes, the cost of security transactions is included in the transaction price. Investment expenses include administrative expenses of the SBI to manage the state's investment portfolio and investment management fees paid to the external money managers and the state's master custodian for pension plan assets. These expenses are allocated to the funds participating in the pooled investment accounts. Information on specific investments owned by the pooled accounts, investment activity, currency risk, interest rate risk, and a detailed schedule of fees and commissions by brokerage firm, along with the number of shares traded, total commissions, and commissions per share for the pooled investment accounts may be obtained from the Minnesota State Board of Investment at the Retirement Systems of Minnesota Building, 60 Empire Drive, Suite 355, Saint Paul, Minnesota 55103.

**Asset Allocation.** The SBI has a policy asset allocation which is based on investment objectives and the expected long run performance of the capital markets. The most recent target asset allocation was approved by the Board in December 2008, and is shown in **Figure 2**.

### – Fig. 2 Target Asset Allocation

Asset Class	Target Allocation
Domestic Stocks	45%
International Stocks	15%
Bonds/Fixed Income	18%
Alternative Assets	20%
Unallocated Cash	2%

**Rate of Return.** The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the actual cash flows that took place during the performance period. Since PERA's various funds have different cash flows throughout the year, they have different money-weighted rates of return. The money-weighted rate of return for each plan is presented in **Figure 3**.

### F) Capital Assets

Capital assets, generally assets with a cost in excess of \$30,000 and a useful life greater than one year, are capitalized at cost at the time of acquisition (see Note 4). Depreciation is computed on a straight-line basis over the estimated useful life of the related assets. The esti-

Fig. 3 Money-weighted ROR		
Plan	Fiscal Year 2015	
GERF	4.446%	
PEPFF	4.457%	
PECF	4.420%	
SVF (Average)	2.834%	

mated useful lives are three to ten years for furniture and equipment, and 40 years for the building. PERA's threshold for intangible assets is \$1,000,000. PERA did not have any intangible assets in FY15.

### G) Accrued Compensated Absences

PERA's employees accrue vacation leave, sick leave and compensatory leave at various rates within limits specified in collective bargaining agreements. Accumulated amounts for compensated absences are accrued when incurred. Such leave is liquidated in cash primarily at the time of termination of employment. The total liability at June 30, 2015 is \$887,318. Of this, \$91,683 is considered a short-term liability and \$795,635 is considered a long-term liability. The total increased by \$16,075 during fiscal year 2015.

### H) Administrative Expenses

PERA's Administrative expenses are paid during the year from the GERF. At yearend, a portion of the expenses are allocated to the PEPFF and the PECF, based on membership counts. The PEDCP reimburses the GERF to the extent of fees collected for recovery of administrative costs. The SVF reimburses the GERF \$30 per firefighter. The applicable amounts are reported as expenses and reported on the Statement of Fiduciary Net Position as a payable to other funds or due from other funds. Administrative costs are funded from investment income for the defined benefit plans.

### Note 3

# Deposits and Investment Risk Disclosures

A) Custodial Credit Risk—

Custodial credit risk for cash deposits and investments is the risk that, in the event of a bank or custodian failure, PERA will not be able to recover the value of its investA detailed schedule of fees and commissions by brokerage firm, along with the number of shares traded, total commissions, and commissions per share may be obtained from the Minnesota State Board of Investment.

A dministrative expenses of the Public Employees Retirement Association are paid during the year from the GERF. At year-end, a portion of the expenses are allocated to the PEPFF and the PECF based on membership counts.

# Notes

(Continued)

ments or collateral securities. Minnesota Statutes, Section 9.031, requires that cash deposits be secured by depository insurance or a combination of depository insurance and collateral securities held in the state's name by an agent of the state. Such insurance and collateral shall be in amounts sufficient to ensure that deposits do not exceed 90 percent of the sum of the insured amount and the market value of the collateral. Throughout fiscal year 2015, the combined depository insurance and collateral was sufficient to meet legal requirements and secure all PERA deposits, eliminating exposure to custodial credit risk.

#### B) Credit Risk-

Credit risk is the risk that an issuer or counterparty to an investment will be unable to fulfill its obligations to the holder of the investment. The SBI has policies designed to minimize credit risk. They may invest funds in governmental obligations provided the issue is backed by the full faith and credit of the issuer or the issue is rated among the top four quality rating categories by a nationally recognized rating agency. They may invest funds in corporate obligations provided the issue is rated among the top four quality categories by a nationally recognized rating agency. They may also invest in unrated corporate obligations or in corporate obligations that are not rated among the top four quality categories provided that:

- The aggregate value of these obligations may not exceed 5% of the fund for which the state board is investing;
- Participation is limited to 50% of a single offering; and
- Participation is limited to 25% of an issuer's obligations.

The SBI may also invest in bankers acceptances, deposit notes of U.S. banks, certificates of deposit, mortgage securities, and asset-backed securities rated in the top four quality categories by a nationally recognized rating agency. Commercial paper must be rated in the top two quality categories. PERA's share of SBI's exposure to credit risk, based on the lower of Moody's or S&P Quality Ratings for debt securities and short-term investments, is shown in **Figure 4**. 92 percent of the Agencies quality rating consists of implicitly guaranteed investments, including the Federal Home Loan Bank, Federal National Mortgage Association (Fannie Mae), Federal Home Loan Mortgage Corporation (Freddie Mac), Financing Corporation (FICO), Federal Farm Credit Banks, and Federal Agricultural mortgage Corporation (Farmer Mac). The balance of the Agencies quality rating consists of federally guaranteed investments.

## - Fig. 4 Credit Risk Exposure (in thousands) -

Quality Rating	Fair Value as of June 30, 2015
AAA	\$ 489,064
AA	107,462
Α	500,822
BBB	1,199,695
BB	580,279
В	108,274
CCC	27,604
CC	19,851
С	1,303
D	8,684
Unrated	1,159,204
U.S. Government	1,495,068
Agencies	1,911,925
Total	\$7,609,235

### C) Concentration of Credit Risk—

Concentration of credit risk is the risk of loss that may be attributed to the magnitude of a government's investment in a single issuer. SBI determined concentration of credit risk based on security identification number. PERA does not have exposure to a single issuer that equals or exceeds 5% of the overall portfolio and, therefore, there is no material concentration of credit risk.

#### D) Interest Rate Risk—

Interest rate risk is the risk that changes in interest rates of debt investments could adversely affect the fair value of an investment. The SBI does not have a policy on interest rate risk. Retirement plan and OPEB debt securities are held in external investment pools and PERA's share has the weighted average maturities shown in **Figure 5**.

### E) Foreign Currency Risk—

Foreign currency risk is the risk that changes in exchange rates between the U.S. dollar and foreign currencies could adversely affect the fair value of an investment. Most foreign currency risk resides within SBI's international equity investment holdings. In order to reduce foreign currency risk, the SBI has developed the following policies. Government obligations, including guaranteed or insured issues of the International Bank for Reconstruction and Development, the Inter-American Development Bank, the Asian Development Bank, and the African

### Fig. 5 Interest Rate Risk

	hted Average rity (in years)
Short-Term Investment Securities	0.25
Commercial Mortgage Backed Securities	s 2.28
Asset-Backed Securities	2.85
Collateralized Mortgage Obligations	4.45
Agency Securities	4.56
Mortgage-Backed Securities	4.86
Yankee Bonds	7.89
U.S. Treasuries	9.11
Corporate Debt Obligations	9.22
Foreign Country Bonds	14.86
Municipal Debt Obligations	15.54

### Fig. 6 Foreign Currency Risk (fair value in thousands)

Carmon av	Cash	Fouritry	Ewod Income
Currency	Cash	<u>Equity</u>	Fixed Income
Australian Dollar	\$ 1,010	\$ 171,355	\$ 0
Brazilian Real	24	41,890	0
Canadian Dollar	1,377	236,004	231
Danish Krone	32	65,834	0
Euro Currency	2,659	1,007,926	21,476
Hong Kong Dollar	1,596	296,518	0
Indian Rupee	26	80,704	0
Indonesian Rupiah	20	14,925	0
Japanese Yen	14,463	685,997	0
Malaysian Ringgit	15	14,352	0
Mexican Peso	2	19,657	0
New Israeli Sheqel	27	7,872	0
New Taiwan Dollar	122	68,979	0
Norwegian Krone	555	17,896	0
Philippine Peso	4	16,987	0
Polish Zloty	5	11,351	0
Pound Sterling	5,829	600,151	6,812
Singapore Dollar	834	35,609	0
South African Rand	101	46,560	0
South Korean Won	1	76,264	0
Swedish Krona	56	79,428	0
Swiss Franc	16	254,648	0
Thailand Baht	2	20,608	0
Other	326	25,485	0
Total	\$29,102	\$3,897,000	\$28,519

Development Bank, must pay interest and principal in U.S. dollars. The principal and interest of obligations of corporations, including those corporations incorporated or organized under the laws of the Dominion of Canada or any province thereof, must also be paid in U.S. dollars. SBI has less than a 15% exposure to foreign currency risk. PERA's share of foreign security investments at June 30, 2015, was distributed among the currencies shown in **Figure 6**.

#### F) Derivative Financial Instruments

On behalf of PERA, SBI invests in various types of derivative financial instruments. Derivatives are defined as any financial arrangement between two parties that has value based on or derived from future price fluctuations. The derivative financial instruments that SBI enters into include futures, options, stock warrants and rights, currency forwards, and synthetic guaranteed investment contracts.

Minnesota Statutes, Section 11A.24, provides that any agreement for put and call options and futures contracts may only be entered into with a fully offsetting amount of cash or securities. This pro-

vision applies to foreign currency forward contracts used to offset the currency risk of a security. All other derivatives are exchange-traded. The purpose of the SBI's derivative activity is to equitize cash in the portfolio, to adjust the duration of the portfolio, or to offset current futures positions.

Explanations of each derivative instrument type are presented below. The fair value balances and notional amounts (or face value) at June 30, 2015, classified by derivative instrument type (e.g., futures, options, currency forwards, and stock warrants and rights), and the changes in fair value for fiscal year 2015 are shown in **Figure 7**. **O** n behalf of PERA, SBI invests in various types of derivative financial instruments. Derivatives are defined as any financial arrangement between two parties that has value based on or derived from future price fluctuations.

# Notes

(Continued)

PERA does not own specific securities, but instead owns shares in pooled funds invested by the State Board of Investments (SBI).

#### Futures

Futures are contract commitments to purchase (asset) or sell (liability) at a future date. The net change in the values of futures contracts is settled on a regular basis and gains and losses are included in investment income.

#### Options

Options are contracts that give buyers or sellers the right to buy (calls) or sell (puts) a security at a predetermined price on a future date. Gains and losses result from variances in the market value of the security that is the subject of the contract that occur prior to or on the contract specified date. The gains and losses are included in investment income.

Currency Forward Contracts Foreign currency forward contracts are used to manage portfolio foreign currency risk. The provisions of the contract vary based on what is negotiated between the two parties to the contract.

#### Stock Warrants and Rights

Stock warrants, similar to options, are the right to purchase shares of a stock at a certain price by a certain date. They usually have a longer term before expiration, e.g. five years or more. When exercised, new shares are issued by the company. Rights are the same but are issued to current stock owners to enable them to retain their relative ownership share. Gains and losses from the sale or exercise of stock warrants and rights are included in investment income.

SBI maintains a fully benefit-responsive synthetic guaranteed investment contract for the Supplemental Investment Fund - Fixed Interest Account. The investment objective of the Fixed Interest Account is to protect investors from loss of their original investment and to provide a competitive interest rate. On June 30, 2015, the Fixed Interest Account portfolio of well diversified high quality investment grade fixed income securities had a fair value of \$1,370,700,607 that is \$24,336,283 in excess of the value protected by the wrap contract. The Fixed Income Account also includes liquid investment pools with a combined fair value of \$146,929,007.

SBI is exposed to credit risk through the counterparties in foreign currency forward contracts used to offset the currency risk of a security. PERA's proportionate share of the maximum loss that SBI would have recognized as of June 30, 2015, if all counter parties failed to perform as contracted is \$3,366,204.

### G) Securities Lending

PERA does not own specific securities, but instead owns shares in pooled funds invested by the SBI. The SBI is authorized to enter into securities lending transactions in accordance

Derivative Investment Type	Changes in Fair Value During FY 2015	Fair Value at June 30, 2015	Notional Amount	
Futures:				
Equity FuturesLong	\$ 10,597	\$ 0	\$ 787	
Equity FuturesShort	(400)	0	(21)	
Fixed Income FuturesLong	6,383	0	155,253	
Fixed Income FuturesShort	(10,777)	0	(528,428)	
Options:				
Futures Options Bought	(881)	27	2,354	
Futures Options Written	1,608	(249)	(2,847)	
Fixed Income Options Written	0	0	0	
Foreign Currency Forwards	3,616	2,303	167,609	
Stock Warrants and Rights:				
Stock Warrants	(2)	523	184	
Stock Rights	(143)	148	242	

# Fig. 7 Derivative Financial Instruments (in thousands)

with Minnesota Statutes, Chapter 356A.06, subd. 7 and has, via a Securities Lending Authorization Agreement, authorized State Street Bank and Trust Company to lend its securities to broker-dealers and banks pursuant to a form of loan agreement.

During the fiscal year, State Street lent, at the direction of the SBI, certain securities held by State Street as custodian and received cash or other collateral including securities issued or guaranteed by the United States government. State Street did not have the ability to pledge or sell collateral securities absent a borrower default. Borrowers were required to deliver collateral for each loan equal to at least 100% of the market value of the loaned securities.

Pursuant to the Securities Lending Authorization Agreement, State Street had an obligation to indemnify the SBI in the event of default by a borrower. There were no failures by any borrower to return loaned securities or pay distributions thereon during the fiscal year that resulted in a declaration or notice of default of the borrower.

During the fiscal year, the SBI and the borrowers maintained the right to terminate securities lending transactions upon notice. The cash collateral received on each loan was invested, together with the cash collateral of other qualified tax-exempt plan lenders, in a collective investment pool. As of June 30, 2015, the investment pool had an average duration of 11.29 days and an average weighted final maturity of 84.73 days for USD collateral. Because the loans were terminable at will their duration did not generally match the duration of the investments made with cash collateral. On June 30, 2015, SBI had no credit risk exposure to borrowers. The market value of the collateral held and the fair value of securities on loan from the SBI as of June 30, 2015, was \$5,362,825,116 and \$5,118,040,041 respectively. Cash collateral of \$2,700,462,964 is reported on the Statement of Fiduciary Net Position as an asset. Liabilities resulting from these securities lending transactions are also reported on the Statement of Fiduciary Net Position.

#### Note 4

# Capital Assets, Building and Land

Capital assets are presented on the June 30, 2015, Statement of Fiduciary Net Position at historical cost, net of accumulated depreciation, as summarized in **Figure 8**. There were no significant leases as of June 30, 2015.

Legislation was passed in 1999 allowing PERA, the Minnesota Teacher's Retirement Association (TRA) and the Minnesota State Retirement System (MSRS) to purchase land and construct a 140,000 square foot building to house all three retirement systems. Ownership of the facility is prorated based on the amount of square footage each retirement system occupies in the building.

### Fig. 8 Capital Assets (in thousands)

	Balance June 30, 2014	Additions	Disposals	Balance June 30, 2015
Capital assets, not being depreciated: Land	\$ 170	\$ 0	\$0	\$ 170
Capital assets, being depreciated: Building	\$ 10,893	\$ 0	<b>\$</b> 0	\$ 10,893
Equipment, Furniture & Fixtures	847	24	_0	871
Total capital assets being depreciated	\$11,740	\$ 24	\$0	\$11,764
Less accumulated depreciation for: Building	\$ (3.653)	\$(195)	\$0	¢ (2 0 / 0)
Equipment, Furniture & Fixtures	\$ (3,653) (631)	(193) (73)		\$ (3,848) (704)
Total accumulated depreciation	<u>(051)</u> \$ (4,284)	\$(268)	<u>\$0</u>	$\frac{(704)}{\$(4,552)}$
Total capital assets,		4.0 ( ()	4.0	1 = 202
net of accumulated depreciation	<u>\$ 7,626</u>	<u>\$(244)</u>	<u>\$0</u>	\$ 7,382

On June 30, 2015 SBI had no credit risk exposure to borrowers. The market value of the collateral held and the fair value of securities on loan from the SBI as of June 30, 2015 was \$5,362,825,116 and \$5,118,040,041, respectively.

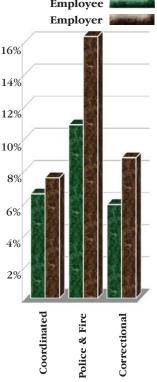
egislation was passed in 1999 allowing PERA, the Minnesota Teacher's Retirement Association (TRA) and the Minnesota State Retirement System (MSRS) to purchase land and construct a 140,000 square foot building to house all three retirement systems. The systems moved into the facility in 2001.

# Notes

(Continued)

n August, 2012, the remaining bonds were refunded with the proceeds of a new, lower interest rate bond issue. The bond term has been reduced by five years and the present value of the savings to the retirement systems is \$9,582,538.

FY15 Contribution Rates Employee



PERA's ownership share is 36.5%. PERA's share of the cost to purchase the 4.3 acres of land was \$170,308.

In June 2000 the State of Minnesota, under the authority of the Commissioner of Finance (currently known as Minnesota Management and Budget), issued revenue bonds totaling \$29 million on behalf of the three retirement systems to pay for the construction of the facility. In August, 2012, the remaining bonds were refunded with the proceeds of a new, lower interest rate bond issue. The new bonds are secured by the value of the total assets of the largest defined benefit plans in the three statewide retirement systems. Through the issuance of the refunding bonds, which received a AAA rating, the bond term was reduced by five years and the present value of the savings to the retirement systems was \$9,582,538. PERA's portion of the savings was \$3,497,626.

**Figure 9** shows the debt service amounts for which PERA is directly responsible. Pursuant

responsible. Pursuant to the joint and several liability clause in the bond sale official statement, in the event of default, PERA could be liable for the entire remaining outstanding principal and premium balances of the bonds. plus the interest accrued for the month of June, totaling \$18,222,166. Bonds Payable on the Statement of Fiduciary Net Position is PERA's share of outstanding debt at the current ownership interest. It includes the principal balance as of June 30, 2015, the premium balance as of June 30, 2015, and interest accrued for the month of June.

### Note 5

# **Contribution Requirements**

Minnesota Statutes, Chapters 353, 353E, 353G and 356 set the rates for employer and employee contributions. Contribution rates are shown in **Figure 10**. Contribution rates in the GERF and the PEPFF are not sufficient to get those plans fully funded by their statutory full funding date of 2031 and 2039, respectively. The contribution rate for the PECF is sufficient to be fully funded by 2031. The actuarially required contributions are expressed as a level percentage of covered payroll and are determined using an individual entry-age actuarial cost method.

Legislation was passed in 2014 that increased both employee and employer contribution rates in the GERF on January 1, 2015. Employee rates increased from 6.25% of pay to 6.5%. Employer rates increased from 7.25% to 7.5%.

### - Fig. 9 Debt Repayment Schedule (In dollars)

Fiscal		PERA		
Year	<b>Principal</b>	Interest	Premium	Total
2016	\$ 600,425	\$103,154	\$ 56,023	\$ 759,602
2017	611,375	93,198	53,970	758,543
2018	624,150	83,062	51,879	759,091
2019	642,400	72,713	49,745	764,858
2020	651,525	62,062	47,548	761,135
2021	669,775	51,259	45,320	766,354
2022	684,375	40,154	43,029	767,558
2023	698,975	28,807	40,689	768,471
2024	673,425	17,217	24,319	714,961
2025	365,000	6,052	8,548	379,600
Totals	\$6,221,425	\$557,678	<u>\$421,070</u>	\$7,200,173
	paid Principal, 06/3		\$ 6,221,425	
	paid Premium, 06/3		421,070	
	Interest, June 2015		8,596	
Total I	Bonds Payable on	Financials	\$6,651,091	

# Fig. 10 Retirement Plan Contribution Rates

Effective		GERF			
Date	Contributor	Basic	Coordinated	PEPFF	PECF
1/1/2014	Member	9.10%	6.25%	10.20%	5.83%
	Employer	11.78%	7.25%	15.30%	8.75%
1/1/2015	Member	9.10%	6.50%	10.80%	5.83%
	Employer	11.78%	7.50%	16.20%	8.75%

Legislation was passed in 2013 that required an increase in both employee and employer contribution rates in the PEPFF in fiscal year 2015. Employee rates increased from 10.2% to 10.8% effective January 1, 2015. Employer rates increased from 15.3% to 16.2%. The State of Minnesota was also required to begin contributing \$9 million to the PEPFF each year, beginning in fiscal year 2014. That state aid continues until the plan is 90 percent funded, or the State Patrol Plan, administered by the Minnesota State Retirement System, is 90 percent funded, whichever occurs later.

Employers in MERF contributed \$27 million in a supplemental contribution in fiscal year 2015. MERF was fully merged into the GERF in fiscal year 2015. Supplemental contribution amounts were recalculated after the merger based on the amount of MERF's unfunded liability as of the merger date. The State of Minnesota will be contributing \$6 million in fiscal years 2016 and 2017 and MERF's employers will be contributing \$31 million.

Minnesota Statutes, Section 353D.03, specifies contribution rates for those who participate in the PEDCP. An eligible elected official or physician who decides to participate contributes 5% of salary, which is matched by the employer. For ambulance service personnel, employer contributions are determined by the employer, and for salaried employees must be a fixed percentage of salary. Employer contributions for volunteer personnel may be a unit value for each call or period of alert duty. Employees who are paid for their services may elect to make member contributions in an amount not to exceed the employer share.

Employer contributions are calculated annually in the SVF. If fire state aid plus expected investment income are not enough to cover the expected normal cost of benefits during the next calendar year, an employer contribution is calculated and payable by the end of the next calendar year. Since the plan is an agent multi-employer plan, employer contributions are calculated for each employer separately.

#### Note 6

# Net Pension Liability of Employers and Nonemployer Contributing Entity

The components of the net pension liability of the defined benefit cost-sharing plans for participating employers and the State of Minnesota (a nonemployer contributing entity) as of June 30, 2015, calculated in accordance with GASB Statement No. 67, are shown in **Figure 11**.

A) Actuarial methods and assumptions The total pension liability for each of the defined benefit cost-sharing plans was determined by an actuarial valuation as of June 30, 2015, using the entry age normal actuarial cost method. A closed amortization period is used, with 18 years remaining for the GERF, 16 years remaining for the PECF and 26 years remaining for the PEPFF. Inflation is assumed to be 2.75 percent. Salary growth assumptions in the GERF decrease in annual increments from 11.78% after one year of service, to 3.25% after 18 years of service. In the PEPFF, salary growth assumptions decrease from 12.75% after one year of service

The State of Minnesota is required to contribute \$9 million to the PEPFF each year until the plan is 90 percent funded, or the State Patrol Plan, administered by the Minnesota State Retirement System, is 90 percent funded, whichever occurs later.

he total pension liability for each of the defined benefit cost-sharing plans was determined by an actuarial valuation as of June 30, 2015, using the entry age normal actuarial cost method. A closed amortization period is used, with 18 years remaining for the GERF, 16 years for the PECF and MERF and 26 years remaining for the PEPFF.

#### Fig. 11 NPL Components (in thousands)

	GERF	PEPFF	PECF
Total Pension Liability (A)	\$ 23,764,314	\$ 8,484,938	\$ 506,191
Plan Fiduciary Net Position (B)	(18,581,795)	(7,348,704)	(490,731)
Net Pension Liability (A-B)	\$ 5,182,519	\$ 1,136,234	\$ 15,460
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability (B/A)	78.2%	86.6%	96.9%

# Notes

(Continued)

# **Pooled Accounts**



he long-term expected rate of return on pension plan investments used in the determination of the total pension liability is 7.9 percent. The rate was determined using a building-block method in which best-estimate ranges of expected future real rates of return were developed for each major asset class.

to 4.25% after 23 years of service. In the PECF, salary growth assumptions decrease from 8.75% at age 20 to 3.75% at age 65. Mortality rates for all plans are based on RP-2000 mortality tables, adjusted slightly to fit PERA's experience.

Actuarial assumptions for the GERF are reviewed every four to six years. The most recent four-year experience study for the GERF was completed in 2015. Actuarial assumptions are expected to be updated in fiscal year 2016 based on the newly completed experience study. The most recent five-year experience study for the PEPFF was completed in 2010. Experience studies have not been prepared for PERA's other plans, but assumptions are reviewed annually. Economic assumptions were updated in 2014 based on a review of inflation and investment return assumptions.

The long-term expected rate of return on pension plan investments used in the determination of the total pension liability is 7.9%. The rate was determined using a building-block method in which best-estimate ranges of expected future real rates of return were developed for each major asset class. The best-estimate ranges were developed by PERA's actuary in a 2014 economic assumption review using capital market assumptions from the SBI and eight additional investment consultants. Ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and then adding expected inflation. Best estimates of geometric real rates of return for each major asset class included in the plan's target asset allocation as of June 30, 2015, are summarized in Figure 12.

#### B) Discount Rate

The discount rate used to measure the total pension liability in both 2015 and 2014 was 7.9%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members and employers will be made at rates set in Minnesota statute. Based on these assumptions, the plan's fiduciary net position for each plan was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

#### C) Sensitivity Analysis

**Figure 13** presents the net pension liability of employers and the State of Minnesota for PERA's defined benefit cost-sharing plans as of June 30, 2015, calculated using the current discount rate of 7.9%, as well as what each plan's net pension liability would be if it were calculated using a discount rate that is one percent lower or one percent higher than the current rate.

# Fig. 12 Long-term Expected Real Rate of Return

Asset Class	Assumed Asset Allocation	Long-term Expected Real Rate of Return
Domestic Stocks	45%	5.50%
International Stocks	15%	6.00%
Fixed Income	18%	1.45%
Alternative Assets	20%	6.40%
Unallocated Cash	2%	0.50%

# Fig. 13 Net Pension Liability (Asset) \_\_\_\_\_\_ at Different Discount Rates (in thousands)

Plan	1% Decrease (6.9%)	Current Discount Rate (7.9%)	1% Increase (8.9%)
GERF	\$8,148,762	\$5,182,519	\$2,732,858
PEPFF	2,214,532	1,136,234	245,372
PECF	107,666	15,460	(58,342)

### Note 7

# **Other Notes**

### A) New Asset Transfers

The Statewide Volunteer Firefighter Retirement Plan (SVF) was created by the Minnesota Legislature in 2009. Thirteen fire departments joined the plan in FY15, bringing the total number of fire departments in the SVF to 92. The amount of assets transferred, \$4,613,003, is shown as an "Other Addition" in PERA's Statement of Changes in Fiduciary Net Position for FY15. The plan is an agent multiple-employer lump-sum defined benefit plan. Each fire department has a separate account and retains its own assets and liabilities.

### B) Special Item

The Minneapolis Employees Retirement Fund (MERF) was established in 1919 by the Minnesota State Legislature as a cost-sharing multiple employer defined benefit plan governed by a seven-member Board of Directors. In 2010, legislation was passed that consolidated MERF under PERA's administration, but it was kept as a separate fund. In 2014, MERF became over 80 percent funded, which triggered a full merger into PERA's GERF effective 1/1/2015. On that date. \$891.636.449 was transferred from MERF to the GERF. MERF did not have any outstanding deferred inflows, deferred outflows or liabilities to transfer. MERF members are now considered GERF members, but retain some unique benefit provisions as disclosed in Note 1.

### C) Participating Pension Plan

All employees of the Public Employees Retirement Association are covered by the GERF Coordinated Plan and eligible for the plan provisions described in Note 1.D. Minnesota Statute 353.27 sets the rates for employee and employer contributions. These statutes are established and amended by the Minnesota Legislature. Contribution rates are shown in Figure 10. Total covered payroll for PERA employees during fiscal year 2015 was approximately \$5.8 million.

Employer pension contributions for PERA employees for the years ending June 30, 2015, 2014 and 2013 were \$426,221, \$404,724, and \$398,365 respectively, equal to the required contributions for each year as set by state statute. Employer contributions paid by PERA on behalf of these employees are funded by GERF investment income. The Statewide Volunteer Firefighter Retirement Plan (SVF) was created by the Minnesota legislature in 2009. Thirteen fire departments joined the plan in FY 2015, bringing the total number of fire departments in the SVF to 92.

# Schedule of Changes in Net Pension Liabilities and Related Ratios

Required Supplementary Information (in thousands)

		FISCAL YEAR 20	114
	GERF	PEPFF	PECF
TOTAL PENSION LIABILITY			
Service Cost	\$ 388,391	\$ 169,124	\$ 26,488
Interest on the Total Pension Liabilityœ	1,591,756	598,165	33,955
Change of Benefit Terms	0	0	0
Difference between Expected and Actual Experience	96,123	1,813	(5,327)
Assumption Changes	645,499	323,945	(34,168)
Benefit Payments	(1,109,866)	(452,462)	(6,711)
Refund Payments	(38,264)	(1,633)	(1,105)
Net Change in Total Pension Liability	\$ 1,573,639	\$ 638,952	\$ 13,132
Total Pension Liability—Beginning	<u>\$20,528,682</u>	<u>\$7,714,189</u>	<u>\$447,644</u>
Total Pension Liability—Ending (a)	\$22,102,321	<u>\$8,353,141</u>	<u>\$460,776</u>
PLAN FIDUCIARY NET POSITION			
ContributionsEmployer	\$ 382,251	\$ 132,632	\$ 15,054
ContributionsMember	334,495	81,213	10,030
ContributionsNonemployer Contributing Entity	0	9,000	0
Net Investment Income	2,760,854	1,158,389	69,451
Benefit Payments	(1,109,866)	(452,462)	(6,711)
Refund Payments	(38,264)	(1,633)	(1,105)
Administrative Expenses	(9,861)	(798)	(236)
Other	605	18	(1)
Net Change in Plan Fiduciary Net Position	\$ 2,320,214	\$ 926,359	\$ 86,482
Plan Fiduciary Net PositionBeginning	<u>\$15,084,608</u>	\$6,346,741	\$366,750
Plan Fiduciary Net PositionEnding (b)	\$17,404,822	\$7,273,100	\$453,232
Net Pension Liability (a)-(b)	\$ 4,697,499	<u>\$1,080,041</u>	<u>\$ 7,544</u>
Plan Fiduciary Net Position as a Percentage			
of Total Pension Liability (b)/(a)	78.75%	87.07%	98.36%
Covered-Employee Payroll	\$ 5,351,920	\$ 820,333	\$172,041
Net Pension Liability as a Percentage of Covered Employee Payroll	87.77%	131.66%	4.39%

# Notes to Schedule:

**Benefit Changes:** In 2015 the Minneapolis Employees Retirement Fund was merged into the GERF, which increased the total pension liability by \$1.1 billion and increased the plan fiduciary net position by \$892 million.

Assumption Changes: In 2014 expected COLA increase dates were adjusted.



	FISCAL YEAR 2	2015
GERF	PEPFF	PECF
\$ 421,602	\$ 187,959	\$ 25,098
1,712,534	648,233	37,043
1,147,198	0	0
(348,383)	(221,112)	(7,892)
0	0	0
(1,235,303)	(481,330)	(7,777)
(35,655)	(1,953)	(1,057)
\$ 1,661,993	\$ 131,797	\$ 45,415
<u>\$22,102,321</u>	\$8,353,141	<u>\$460,776</u>
\$23,764,314	<u>\$8,484,938</u>	\$506,191
\$ 435,115	\$ 144,317	\$ 15,736
353,765	88,733	10,472
0	9,000	0
777,504	317,556	20,373
(1,235,303)	(481,330)	(7,777)
(35,655)	(1,953)	(1,057)
(10,367)	(803)	(247)
891,914	84	(1)
\$ 1,176,973	\$ 75,604	\$ 37,499
<u>\$17,404,822</u>	\$7,273,100	\$453,232
<u>\$18,581,795</u>	\$7,348,704	<u>\$490,731</u>
\$ 5,182,519	<u>\$1,136,234</u>	<u>\$ 15,460</u>
78.19%	86.61%	96.95%
\$ 5,549,255	\$ 845,076	\$179,623
93.39%	134.45%	8.61%

# Schedule of Contributions from Employers and Nonemployers

Required Supplementary Information (last 10 years, in thousands, unaudited)

### GENERAL EMPLOYEES RETIREMENT FUND

Year Ended June 30 2006	Actuarially Determined Contribution (a) \$327,266	Statutorily Determined Contribution (b) \$255,531	Actual Contributions (c) \$255,531	Contribution Deficiency (Excess) (a) - (c) \$ 71,735	Covered Payroll (d) \$4,247,109	Actual Contributon as a % of Covered Payroll (c)/(d) 6.02%
2007	335,698	283,419	283,419	52,279	4,448,954	6.37%
2008	374,522	303,304	303,304	71,218	4,722,432	6.42%
2009	381,151	328,603	328,603	52,548	4,778,708	6.88%
2010	443,548	342,678	342,678	100,870	4,804,627	7.13%
2011	321,782	357,596	357,596	(35,814)	5,079,429	7.04%
2012	371,295	368,037	368,037	3,258	5,142,592	7.16%
2013	430,773	372,652	372,652	58,121	5,246,928	7.10%
2014	476,321	382,251	382,251	94,070	5,351,920	7.14%
2015	523,017	435,115	435,115	87,902	5,549,255	7.84%

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Year Ended June 30	Actuarially Determined Contribution (a)	Statutorily Determined Contribution (b)	Actual Contributions (c)	Contribution Deficiency (Excess) _(a) - (c)_	Covered Payroll (d)	Actual Contributon as a % of Covered Payroll (c)/(d)_
2006	\$107,681	\$ 63,603	\$ 63,603	\$44,078	\$618,435	10.28%
2007	116,325	74,707	74,707	41,618	648,342	11.52%
2008	144,548	87,023	87,023	57,525	703,701	12.37%
2009	140,591	101,548	101,548	39,043	733,164	13.85%
2010	150,220	107,066	107,066	43,154	740,101	14.47%
2011	124,284	109,604	109,604	14,680	775,806	14.13%
2012	152,369	121,891	121,891	30,478	794,417	15.34%
2013	189,254	125,995	125,995	63,259	796,188	15.82%
2014	163,985	141,632	141,632	22,353	820,333	17.27%
2015	197,325	153,317	153,317	44,008	845,076	18.14%

# PUBLIC EMPLOYEES CORRECTIONAL FUND

Year Ended June 30	Actuarially Determined Contribution (a)	Statutorily Determined Contribution (b)	Actual Contributions (c)	Contribution Deficiency (Excess) (a) - (c)	Covered Payroll (d)	Actual Contributon as a % of Covered Payroll (c)/(d)_
2006	\$ 8,507	\$11,826	\$11,826	\$(3,319)	\$125,189	9.45%
2007	8,712	12,499	12,499	(3,787)	134,117	9.32%
2008	10,153	13,388	13,388	(3,235)	154,202	8.68%
2009	11,469	14,124	14,124	(2,655)	154,650	9.13%
2010	12,273	14,170	14,170	(1,897)	154,777	9.16%
2011	12,183	14,289	14,289	(2,106)	165,077	8.66%
2012	12,473	14,320	14,320	(1,847)	164,340	8.71%
2013	14,207	14,498	14,498	(291)	164,820	8.80%
2014	14,606	15,054	15,054	(448)	172,041	8.75%
2015	13,759	15,736	15,736	(1,977)	179,623	8.76%



# Notes to Schedule of Contributions

**Required Supplementary Information** 

# Methods and Assumptions

The following methods and assumptions are used to calculate actuarially determined contributions and are, in a few cases, different from the methods and assumptions used to calculate the Net Pension Liability.

Valuation Date:	June 30, 2015
Actuarial Cost Method:	Entry age
Amortization Method:	Level percentage of payroll, closed
Remaining Amortization Period:	18 years in GERF, 26 years in PEPFF, 16 years in PECF
Asset Valuation Method:	5-year smoothed fair value
Inflation:	2.75%
Investment Rate of Return:	8.0%
Payroll Growth Rate:	3.50%
Mortality:	Life expectancies based on RP-2000 tables with various adjustments in each plan to match experience
Cost of Living Increase:	1% per year until 2034, then 2.5% (GERF and PEPFF), 2.5% for all years (PECF)

# Schedule of Changes in Assets of Agency Fund

For the Fiscal Year Ended June 30, 2015 (in thousands)

Schedule o	of Investment Returns*
	Required Supplementary Information

	— GERF	PEPFF	PECF —
<b>YEAR</b> 2014	18.66%	18.66%	18.56%
2015	4.45%	4.46%	4.42%

\* The annual money-weighted rate of return for each plan is net of investment expense.

	Agency Fund
Assets at Beginning of Year	\$450,170
Additions	
Employer Contributions	\$ 14,519
Investment income	
Net Appreciation in Fair Value of Investments	\$ 29,789
Less Investment Expense	(39)
Net Investment Income	\$ 29,750
<b>Total Additions</b>	\$44,269
DEDUCTIONS	
Refunds of Contributions	<u>\$ 7,501</u>
<b>Total Deductions</b>	\$ 7,501
Net Increase	
(Decrease) in Assets	<u>\$36,768</u>
Assets at End of Year	\$486,938

# Schedule of Investment Expenses

Source of Expenses	General Employees Retirement Fund	Public Employees Police and Fire Fund	Public Employees Correctional Fund	Minneapolis Employees Retirement Fund	Statewide Volunteer Firefighter Plan	Defined Contrib. Plan	
Outside Money Managers–Equities	\$ 20,440	\$ 8,125	\$529	\$ 38	\$14	\$31	\$29,177
Outside Money Managers-Fixed Income	3,978	1,581	103	7	13	22	5,704
Minnesota State Board of Investment	1,059	430	28	23	1	3	1,544
Nuveen Investment Solutions	135	55	4	3	0	0	197
QED Consulting	85	35	2	3	0	0	125
Pension Consulting Alliance	11	4	0	0	0	0	15
Total	\$ 25,708	\$10,230	\$666	\$74	\$28	\$56	\$36,762

For the Fiscal Year Ended June 30, 2015 (in thousands)

A schedule of investment fees paid to money managers is provided in the Investment Section of this report on page 53.

# Schedule of Payments to Consultants

For the Fiscal Year Ended June 30, 2015 (in thousands)

Individual or Firm Name	— Fee Paid —	
ACTUARY		
Gabriel Roeder Smith & Co.	<u>\$250</u>	\$250
FINANCIAL SERVICES		
Abdo Eick & Meyers LLP	\$157	
MMB / OLA Audit Fees	119	
SVF Audit Fees	29	
US Bank NA	4	
Wells Fargo	1	\$310
LEGAL		
Attorney General	<u>\$ 34</u>	\$ 34
MANAGEMENT CONSULTANTS		
EFL Associates	\$ 54	
MMB / MAD	13	
Cundy Santine Architects	8	
Benwyn Group	6	
Duan Corp.	5	
Avenet LLC	2	
Kusske Financial Mgmt.	2	
Lexis/Nexis Risk Data Mgmt.	2	
ITT Educational Services	1	\$ 93
MEDICAL EVALUATIONS		
MMRO	\$212	
Dept of Health	28	
Stubbe & Associates	8	
Office of Administrative Hearings	6	<u>\$254</u>
Total Professional Service Fees		<u>\$941</u>

# Schedule of Administrative Expenses

For the Fiscal Year Ended June 30, 2015 (in thousands)

- Administrative Expenses		
PERSONAL SERVICES Staff Salaries Part-Time, Seasonal Labor Other Benefits Total Personal Services	\$7,737 127 <u>152</u>	\$ 8,016
PROFESSIONAL SERVICES Actuary Financial Legal Management Consultants Medical Evaluations Total Professional Services	\$ 250 311 34 93 253	\$ 941
COMMUNICATIONS Mail & Telephone Services Printing & Publications Total Communication	\$   764 99	\$ 863
<b>DFFICE BUILDING &amp; MAINTENANCE</b> Building Depreciation—Building Bond Interest <b>Total Building and Maintenance</b>	\$ 466 184 112	\$ 762
DEPRECIATION—Equipment Employee Development Equipment Maintenance Indirect Costs Operating Costs Supplies and Materials Travel Total Other	\$ 85 75 274 140 179 288 <u>76</u>	<u>\$ 1,117</u>
Total Administrative Expense		<u>\$11,699</u>

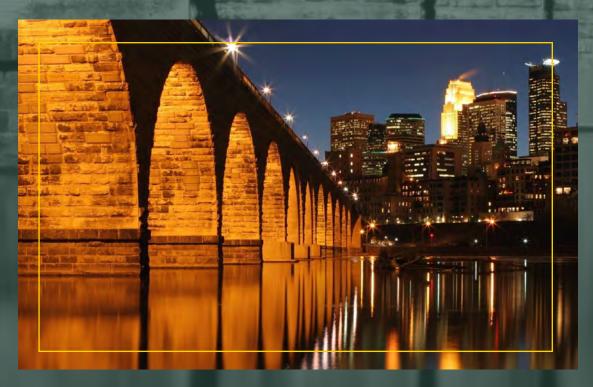
#### ALLOCATION OF ADMINISTRATIVE EXPENSE

Defined Benefit Plans		
General Employees Retirement Fund	\$10,243	
Public Employees Police and Fire Fund	803	
Public Employees Correctional Fund	247	
Minneapolis Employees Retirement Fund	134	
Statewide Volunteer Firefighter	86	
Defined Contribution Plans		
Public Employees Defined Contribution Plan	186	
Total Administrative Expenses		<u>\$11,699</u>

# THIS PAGE LEFT BLANK INTENTIONALLY.

# Investment Section

Investment Report Investment Results Asset Allocation List of Largest Assets Held Investment Summary at Fair Value Fair Value of Investments Schedule of Investment Fees



Stone Arch Bridge, Minneapolis

# THIS PAGE LEFT BLANK INTENTIONALLY.

# **Investment Report**

MINNESOTA STATE BOARD OF INVESTMENT



#### **Board Members:**

Governor Mark Dayton

State Auditor Rebecca Otto

Secretary of State Steve Simon

Attorney General Lori Swanson

#### **Executive Director:**

Mansco Perry

60 Empire Drive Suite 355 St. Paul, MN 55103 (651) 296-3328 FAX (651) 296-9572 E-mail: minn.sbi@state.mn.us. www.mn.gov/sbi

An Equal Opportunity Employer

### **Investment Authority**

The assets of the Public Employees Retirement Association (PERA) are invested along with the assets of the Teachers Retirement Association and the Minnesota State Retirement System under the direction and authority of the State Board of Investment (SBI) in accordance with Minnesota Statutes, Chapters 11A and 356A. The SBI includes Minnesota's Governor, State Auditor, Secretary of State, and Attorney General. The Legislature has established a 17-member Investment Advisory Council (IAC) to advise the SBI and its staff on investment-related matters. PERA's Executive Director is a member of the IAC.

#### **Investment Policy**

Investment policy states that the SBI will operate within standard investment practices of the prudent person. The SBI is to "exercise that degree of judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived therefrom." (See M.S., Section 11A.09.) The SBI is authorized to own government obligations, corporate obligations, various short-term obligations, corporate stocks, venture capital interests, resource investments, and real estate interests subject to specific constraints. (See M.S., Section 11A.24.) In particular, pension fund assets are to be invested for the exclusive benefit of the members of the fund.

#### **Investment Objectives & Performance**

PERA's pension contributions from members and employers are invested in the Combined Funds. The Combined Funds include the assets of both active and retired public employees who participate in the defined benefit plans administered by PERA, the Minnesota State Retirement System, and the Teachers Retirement Association. PERA does not own any underlying assets, but instead owns a participation in the pooled Combined Funds. Because these assets normally accumulate for thirty to forty years, SBI's objective is to take advantage of the long investment time horizon offered by equities and alternative assets in order to meet its actuarial return target and ensure that sufficient funds are available to finance promised benefits at the time of retirement. The 2015 Legislature lowered the single-rate actuarial return assumption from 8.5 percent to 8.0 percent.

The long term objectives of the Combined Funds are:

(1) Provide returns that are 3-5 percentage points greater than inflation over the latest 20-year period; and



(2) Outperform a composite market index weighted in a manner that reflects the actual asset mix of the Combined Funds over the latest 10-year period.

Consistent with these objectives, the SBI maintains a long-term allocation for the Combined Funds as follows:

Domestic Equity	45%
International Equity	15%
Alternatives	20%
Fixed Income	18%
Cash	2%

Based on values on June 30, 2015, the Combined Funds returned 6.1 percentage points above the CPI over the last 20 years and 0.3 of a percentage point above the composite index over the past 10 years. Investment returns ranked in the 14th percentile over the past 10 years, compared to similar funds in the Trust Universe Comparison Service.

#### **Investment Presentation**

Investment returns reported in this investment section were prepared using a time-weighted rate of return methodology based upon fair market values, net of investment expenses.

Respectfully submitted,

Manne leng F

Mansco Perry III Executive Director State Board of Investment

October 30, 2015

# **Investment Results**

FUND PERFORMANCE

		Dates of	Return (An	evolized)	
Fund	FY 2015	<u>3-Year</u>	5-Year	<u>10-Year</u>	20-Year
Combined Funds (Active/Retiree)*	4.4%	12.2%	12.3%	7.8%	8.4%
Combined Composite Market Index	4.0	11.5	11.8	7.5	8.1

\* Percentages are net of all management fees.

Note: All composite indices are composed of the following market indicators, weighted according to asset allocation: Domestic Stocks-Russell 3000 measures the performance of the largest 3,000 US companies;

Int'l. Stocks-Morgan Stanley Capital International All Country World Index measures equity market performance in the global developed and emerging markets. There are 45 countries included in this index. It does not include the United States;

Bonds-Barclays Capital Aggregate Bond Index reflects the performance of the broad bond market for investment grade (Baa or higher) bonds, US Treasury and agency securities, and mortgage obligations with maturities greater than one year.

### INVESTMENT RETURNS BY SECTOR

### Performance of Asset Pools (Net of Fees)

	Rates of Return (Annualized)			
	<u>FY 2015</u>	<u>3-Year</u>	<u>5-Year</u>	<u>10-Year</u>
Domestic Stock Pool	7.7%	18.2%	17.8%	8.1%
Russell 3000	7.3	17.7	17.5	8.2
Bond Pool	2.1%	2.6%	4.2%	4.8%
Barclays Agg.	1.9	1.8	3.3	4.4
International Stock Pool	-3.8%	10.7%	8.4%	6.1%
MSCI ACWI Free ex US (net)	-5.3	9.4	7.8	5.6
Alternative Investments	7.6%	12.5%	13.1%	13.6%
Real Estate Pool (Equity Emphasis)	19.5%	15.3%	14.8%	7.5%
Private Equity Pool (Equity Emphasis)	11.9%	15.0%	14.5%	14.4%
Resource Pool (Equity Emphasis)	-7.8%	2.6%	8.4%	18.1%
Yield Oriented Pool (Debt Emphasis)	2.8%	12.8%	12.9%	16.3%

Note: Investment returns were calculated using a time-weighted rate of return.

# TUCS RANKING

 $3 \text{ Year} - 9^{\text{th}}$ Percentage Ranking: 1 Year —  $21^{st}$ 

5 Year - 6<sup>th</sup> 10 year - 14<sup>th</sup>



Note: Comparison is with public and corporate pension plans greater than \$1 billion, gross of fees.

# **Asset Allocation**

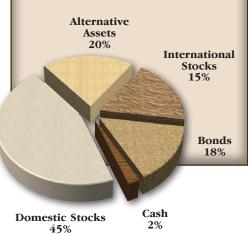
### Asset Allocation (at June 30, 2015)

Asset allocation has a dominant effect on returns. SBI focused considerable attention on the selection of the appropriate long-term asset allocation policy for the Basic and MPRIF funds, and continues to do the same with the new Combined Funds.

	Combined Funds		
Investment Type	Actual Asset Mix	Long-term Policy Target	
Domestic Stocks	47.3%	45.0%	
International Stocks	14.9	15.0	
Bonds	23.6	18.0	
Alternative Assets*	12.3	20.0	
Cash	1.9		
Total	100%	<u>100%</u>	

### LONG-TERM TARGET ALLOCATION

The Combined Funds, as the name implies, is a combination of its predecessors, PERA's Basic Fund and the Minnesota Post Retirement Investment Fund. The two funds were merged in 2009.



\* Alternative assets include real estate, private equity (venture capital), resource (oil, gas, etc.), and yield (debt) oriented funds.



**The State Board of Investment (SBI)** has exceeded its assumed rate of return 13 of the past 20 years. Over those 20 years, the SBI has had annualized investment earnings of 8.4 percent.

# List of Largest Assets Held

June 30, 2015

### COMPOSITE OF TOP TEN EQUITY HOLDINGS (BY FAIR VALUE)

Security	Fair Value <u>(In millions)</u>	% of <u>Portfolio</u>
Apple Inc.	\$347.27	1.31%
Exxon Mobil Corp.	162.07	0.61
Wells Fargo & Co.	148.06	0.56
Microsoft Corp.	145.63	0.55
Johnson & Johnson	144.90	0.55
JP Morgan Chase & Co.	128.57	0.49
Pfizer Inc.	124.02	0.47
Facebook Inc.	116.44	0.44
VISA Inc.	106.59	0.40
The Walt Disney Co.	104.97	0.40

### COMPOSITE OF TOP TEN FIXED INCOME HOLDINGS (BY FAIR VALUE)

Security	Coupon	Fair Value <u>(In millions)</u>	% of <u>Portfolio</u>
FNMA	3.500%	\$137.25	0.52%
FNMA	4.000	106.05	0.40
GNMA	3.500	76.03	0.29
U.S. Treasury Bond	2.125	72.65	0.27
U.S. Treasury Note	0.625	70.64	0.27
U.S. Treasury Note	1.500	66.43	0.25
U.S. Treasury Note	1.625	64.64	0.24
FNMA	3.500	58.44	0.22
U.S. Treasury Bond	3.000	57.26	0.22
FNMA	3.000	50.68	0.19

PERA's assets are commingled in various pooled investment accounts administered by the State Board of Investment. PERA does not own specific values of the underlying assets. The percentages shown are those of the total pooled accounts. The fair value amounts are based on PERA's participation in the pools. Information on investment activity, a listing of specific investments owned by the pooled accounts and a schedule of fees and commissions can be obtained from the Minnesota State Board of Investment.

# **Investment Summary at Fair Value**

For Fiscal Years Ended June 30, 2014 and 2015 (in thousands)

### GENERAL EMPLOYEES RETIREMENT FUND\*-

Pooled Accounts	Fair Value June 30, 2014	Fair Value June 30, 201 <u>5</u>	Percent of Portfolio
Growth Stock Pool	\$ 5,517,483	\$ 5,883,398	32%
Bond Pool	4,267,303	4,364,608	23%
Index Stock Pool	2,839,682	2,882,860	16%
International Stock Pool	2,858,293	2,762,003	15%
Alternative Investment Pool	2,306,698	2,288,787	12%
Money Market	478,059	354,040	2%
<b>Total Pooled Accounts</b>	\$18,267,518	\$18,535,696	100%

## PUBLIC EMPLOYEES POLICE AND FIRE FUND

Pooled Accounts	Fair Value June 30, 2014	Fair Value June 30, 201 <u>5</u>	Percent of <u>Portfolio</u>
Growth Stock Pool	\$ 2,193,503	\$ 2,328,724	32%
Bond Pool	1,696,489	1,727,568	23%
Index Stock Pool	1,128,930	1,141,072	16%
International Stock Pool	1,136,330	1,093,236	15%
Alternative Investment Pool	917,040	905,931	12%
Money Market	185,874	138,492	2%
<b>Total Pooled Accounts</b>	\$7,258,166	\$7,335,023	100%

## PUBLIC EMPLOYEES CORRECTIONAL FUND

Pooled Accounts	Fair Value June 30, 2014	Fair Value June 30, 201 <u>5</u>	Percent of <u>Portfolio</u>
Growth Stock Pool	\$ 136,622	\$ 155,540	32%
Bond Pool	105,666	115,387	23%
Index Stock Pool	70,315	76,214	16%
International Stock Pool	70,776	73,019	15%
Alternative Investment Pool	57,118	60,509	12%
Money Market	12,430	9,817	2%
<b>Total Pooled Accounts</b>	\$452,927	\$490,486	100%

\* Minneapolis Employees Retirement Fund (MERF) was merged into the General Employees Retirement Fund (GERF) on 1/1/15. For comparison purposes, MERF investments of \$810,768 as of 6/30/14 are included in the 6/30/14 GERF investments.

# Fair Value of Investments

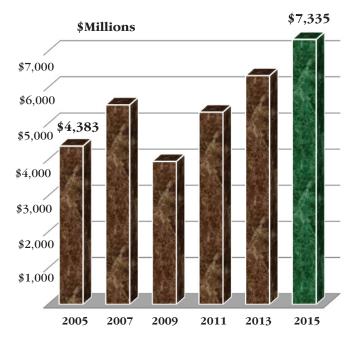
Last 10 Years

### GENERAL EMPLOYEES RETIREMENT FUND



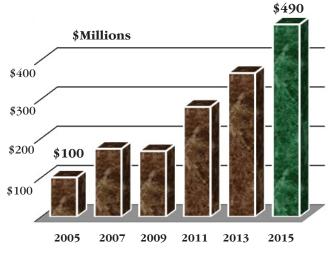
**Despite losses** in 2008 and 2009, the fair value of investments for the General Fund is now at an all-time high.

# POLICE AND FIRE FUND



**Fair value of Police and Fire Fund** investments increased 85 percent from 2009 to 2015.

### PUBLIC EMPLOYEES CORRECTIONAL FUND



**Created in 1999,** the Public Employees Correctional Fund now has investments valued at \$490 million.



# **Schedule of Investment Fees**

For the Fiscal Year Ended June 30, 2015 (in thousands)

# SBI & CONSULTANTS:

State Board of Investment	\$ 1,544
Nuveen Investment Solutions	197
QED Consulting	125
Pension Consulting Alliance	15
Total	\$ 1,881

### OUTSIDE MONEY MANAGERS:

#### ACTIVE DOMESTIC EQUITY:

\$	688
	456
	896
	1,125
	736
	851
	1,199
	663
	954
	1,145
	1,099
	1,065
	713
	457
	938
\$1	2,985

#### PASSIVE DOMESTIC EQUITY:

\$ 392

Blackrock

#### SEMI PASSIVE EQUITY:

JEMI FASSIVE EQUIT.	
Blackrock	\$ 1,102
Intech	1,101
JP Morgan	1,346
Mellon Capital	1,115
Total	\$ 4,664
GLOBAL EQUITY:	
Acadian Asset	\$ 650
AQR Capital Management	781
Capital International	2,267
Columbia Investments	492
JP Morgan Fleming	579
Marathon Asset	1,037
McKinley Capital	568
Morgan Stanley Dean Witter	2,625
Pyramis Global Advisors	1,131
State Street	1,006
Total	\$11,136
Domestic Bonds:	
Aberdeen Asset Management	\$ 772
Blackrock Financial	¥466
Columbia Investment	515
Dodge & Cox	703
Goldman Sachs	788
Neuberger	335
Pimco	1,459
Western Asset Management	655
Total	\$ 5,693
	+ >,~>>
FIXED INTEREST:	
Galliard Capital Management	\$ 11
Total Investment Fees	\$36,762

PERA's assets are commingled in various pooled investment accounts administered by the State Board of Investment. The SBI uses outside money managers and consultants to invest the assets. The amounts in this schedule represent PERA's share of fees paid to SBI, and fees paid by SBI to consultants and money managers. A listing of commissions paid to brokers by the money managers can be obtained from the Minnesota State Board of Investment.

# THIS PAGE LEFT BLANK INTENTIONALLY.



# Actuaria Section

Actuary's Certification Letter Summary of Actuarial Assumptions and Methods Sample Annual Rates Per 10,000 Employees Schedule of Funding Progress Solvency Test Schedule of Active Member Valuation Data Schedule or Retirees and Beneficiaries Determination of Contribution Sufficiency Determination of Actuarial Value of Assets Schedule of Changes in Unfunded Actuarial Accrued Liabilities



Swing Bridge, Jay Cooke State Park

- Photo by Minnesota DNR -

# THIS PAGE LEFT BLANK INTENTIONALLY.

# Actuary's Certification Letter



GRS

Gabriel Roeder Smith & Company Consultants & Actuaries 100 South Fifth Street Suite 1900 Minneapolis, MN 55402-1267 612.605.6200 phone 612.605.6203 fax www.gabrielroeder.com

December 4, 2015

Board of Trustees Public Employees Retirement Association of Minnesota 60 Empire Drive, Suite 200 St. Paul, MN 55103-2088

Members of the Board:

We have previously prepared and presented to you our annual actuarial valuation of the General Employees Retirement Plan (GERP), the Public Employees Police and Fire Plan (PEPFP), and the Local Government Correctional Service Retirement Plan (LGCSRP) as of July 1, 2015. Reading this Comprehensive Annual Financial Report (CAFR) is not a substitute for reading the actuarial reports. In order to gain a full understanding of the actuarial condition of the systems, it is important to read and understand the full actuarial reports and potentially other relevant information in addition to this CAFR. The actuarial reports are available on PERA's website, along with online copies of this and previous CAFR's.

#### Valuation Results

The fundamental financing objective of the fund is to establish contribution rates which will remain approximately level as a percentage of active member payroll from generation to generation and meet the required deadline for full funding. The results of the valuations for funding purposes are summarized in the following table. For all plans, because the valuations smooth asset returns over five years, the actuarial value of assets is lower than the fair value of assets. The funding ratios on that basis are lower and the deficiencies are higher than the market value of assets results.

	Accrued Liability Funding Ratio		Contribution <u>Deficiency</u>		
	Actuarial Value	Market Value	Actuarial Value	Market Value	Statutory Amortization
<u>Plan</u>	of Assets	of Assets	of Assets	of Assets	Date
GERP	76.29%	78.87%	(1.23)%	(0.35)%	2033
PEPFP	83.64%	86.86%	(2.70)%	(0.69)%	2041
LGCSRP	95.56%	98.53%	0.04%	0.72%	2031

The GERP and PEPFP currently have contribution deficiencies. A contribution deficiency means that over the long run, without further changes or favorable actuarial experience, the contributions scheduled to be made to the fund will not meet the goal of full funding by the statutory amortization date.

The funded ratio measurements shown above are not appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations (of transferring the obligations to a unrelated third party in an arm's length market value transaction). The measurements also are dependent upon the actuarial cost method which, in combination with the plan's amortization policy, affects the timing and amounts of future contributions. The amounts of future contributions will be different from those calculated in the actuarial reports due to future actual experience differing from assumed experience based upon the actuarial assumptions. A funded status measurement of 100% would not be synonymous with no required future contributions. If the funded status were 100%, the plan would still require future normal cost contributions (i.e., contributions to cover the cost of the active membership accruing an additional year of service credit).

# **Actuary's Certification Letter**

(Continued)

The following actuarial assumption and plan changes were recognized this year in the valuations for funding purposes:

- The MERF Division was fully merged into GERP on January 1, 2015.
- The discount rate was changed from 8.0% through June 30, 2017 and 8.5% thereafter to 8.0% for all years.
- The inflation assumption was changed from 3.00% to 2.75%.
- The total payroll growth assumption was changed from 3.75% to 3.50%.
- Assumed increases in member salaries were decreased by 0.25% at all ages.
- The assumed post-retirement benefit increase rate was changed from 1.0% per year through 2026 in the GERP and through 2023 in the PEPFP and 2.5% thereafter to 1.0% per year through 2034 in both the GERP and PEPFP and 2.5% thereafter.

GRS conducted an examination of the basic financial and membership data provided to us by the association as of June 30, 2015, and determined that the data appears reasonable in comparison to last year, and we have relied upon the data as submitted in performing the actuarial valuation and preparing trend data schedules. The actuarial cost method and the assumptions related to asset valuation, investment return, earnings progression and active member payroll growth are specified by State Statute. All other assumptions are based on actual experience with changes recommended by the actuary, adopted by the PERA Board, and approved by the Legislative Commission on Pensions and Retirement (LCPR). The assumptions and methods used meet the parameters set by Actuarial Standards of Practice.

Actuarial standards do not require the actuary to evaluate the ability of the plan sponsor or other contributing entity to make required contributions to the plan when due. Such an evaluation was not within the scope of this project and is not within the actuary's domain of expertise. Consequently, the actuary performed no such evaluation.

PERA prepared all supporting schedules in the Actuarial Section, the Schedule of Changes in Net Pension Liabilities and Related Ratios and the Schedule of Contributions from Employers and Non-employers in the Financial Section of this CAFR based on information included in reports of the annual actuarial valuation.

To the best of our knowledge and belief, the valuations were performed in accordance with generally accepted actuarial principles and procedures, current Governmental Accounting Standards Board (GASB) pronouncements, the requirements of Minnesota Statutes, Section 356.215, and the requirements of the Standards for Actuarial Work established by the LCPR. In our opinion, the results of the reports reflect the actuarial position of the plans on an ongoing basis under the prescribed assumptions, methods, and procedures.

Brian B. Murphy and Bonita J. Wurst are Members of the American Academy of Actuaries (MAAA) and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained in this report. In addition, Mr. Murphy meets the requirements of "approved actuary" under Minnesota Statutes, Section 356.215, Subdivision 1, Paragraph (c). The signing actuaries are independent of the plan sponsor. We are not aware of any relationship that would impair the objectivity of our work.

Respectfully submitted,

Brie B Marpy

Brian B. Murphy, FSA, EA, MAAA

Bonito J. Wurst

Bonita J. Wurst, ASA, EA, MAAA

BBM/BJW:sc

Gabriel Roeder Smith & Company

# Summary of Actuarial Assumptions and Methods

PERA implemented GASB Statement No. 67 in fiscal year 2014, which requires pension plans to calculate and disclose a net pension liability in financial statement footnote disclosures using a fairly specific set of actuarial methods and assumptions. The schedules found in the Actuarial Section of this Comprehensive Annual Financial Report (CAFR), on the other hand, are based on actuarial assumptions and methods specified by Minnesota Statute or approved by the Legislative Commission on Pensions and Retirement to determine funding requirements. The actuarial assumptions are based on experience studies of PERA's demographics for each plan conducted by PERA's actuary.

While most of the actuarial assumptions used for GASB financial reporting purposes are identical to the actuarial assumptions used for funding purposes, there are a couple of major differences. First, the long-term rate of return on investments is assumed to be 7.9 percent for financial reporting purposes, but is assumed to be 8.0 percent (as set in Minnesota Statute) for funding purposes. Second, when calculating the net pension liability for reporting purposes, the fair value of assets is used in accordance with GASB 67. When calculating the unfunded actuarial accrued liability for funding purposes, the actuarial value of assets (smoothed over a 5-year period) is used in accordance with Minnesota Statute.

The actuarial assumptions used in the "funding" actuarial valuations are set in statute or approved by the Legislative Commission on Pensions and Retirement. Other than the two differences listed above, PERA's actuary uses the "funding" actuarial assumptions when preparing the "financial reporting" actuarial valuations.

The Summary of Actuarial Assumptions and Methods found on the next four pages of this CAFR are the methods and assumptions used for funding purposes. They are identical to the assumptions and methods used for financial reporting purposes, other than the long-term rate of return on investments.

A summary of plan provisions is available in the Introductory Section of this CAFR. The responsibility for establishing and maintaining a funding policy rests with the Minnesota Legislature

# Summary of Actuarial Assumptions and Methods

GENERAL EMP	LOYEES	PUBLIC EMPLC	IYEES			
RETIREMENT F	RETIREMENT FUND		Public Employees Police & Fire Fund			
Actuarial Cost Method	Entry Age Normal, with costs allocated as a level percentage of payroll. Actuarial gains (losses) reduce (increase) the unfunded actuarial accrued liability. (1960)*	Actuarial Cost Method	Entry Age Normal, with costs allocated as a level percentage of payroll. Actuarial gains (losses) reduce (increase) the unfunded actuarial accrued liability. (1960)			
Actuarial Assumptions 1. Mortality a. Active	RP 2000 non-annuitant genera- tional mortality table, white collar adjustment, set forward 5 years for males and set back 3 years for females. (2010)	Actuarial Assumptions 1. Mortality a. Active	RP 2000 non-annuitant generational mortality table, white collar adjustment, set back 2 years. (2011)			
b. Retired	RP 2000 annuitant generational mortality table, white collar adjustment, set back 2 years for females. (2010)	b. Retired c. Disabled	RP 2000 annuitant generational mortality, white collar adjustment. (2011) RP 2000 healthy annuitant mortality table, white collar			
c. Disabled	RP 2000 disabled retiree mortal- ity table set back 4 years for males and set forward 7 years for females. (2010)	2. Retirement Age	adjustment, set forward 8 years. (2011) Age related table from age 50 to 70. (2011)			
2. Retirement Age	Age related table from age 55 to 70. (2010)	3. Disability	Graded rates. (2003)			
<ol> <li>Disability</li> <li>Termination</li> </ol>	Graded rates.(2000) Select & Ultimate Table with select rates applicable to the	4. Termination	Select & Ultimate Table with select rates applicable to the first 3 years of employment. (2011)			
5. Allowance for Expenses	first 3 years of employment. (2002) Prior year expenses expressed as a percentage of prior year	<ul><li>5. Allowance for Expenses</li><li>6. Earnings Progression</li></ul>	Prior year expenses expressed as a percentage of prior year payroll. (1989) Service based table. (2015)			
6. Earnings Progression	payroll. (1989) Service based table. (2015)	7. Active Member Payroll Growth	3.5% per year. (2015)			
7. Active Member Payroll Growth	3.5% per year. (2015)	8. Investment Return	8.0% compounded annually (2015)			
<ol> <li>8. Investment Return</li> <li>9 Retiree COLA</li> </ol>	<ul><li>8.0% compounded annually (2015)</li><li>1% per year until the fund is 90% funded for two consecutive</li></ul>	9. Retiree COLA	1% per year until the fund is 90% funded for two consecutive years, then 2.5% per year.			
Asset Valuation Method	years, then 2.5% per year. (2013) Fair market value smoothed over 5 years. (2008)	Asset Valuation Method	(2015) Fair market value smoothed over 5 years. (2008)			

PUBLIC EMPLO	
CORRECTIONAL	Fund
Actuarial Cost Method	Entry Age Normal, with costs allocated as a level percentage of payroll. Actuarial gains (losses) reduce (increase) the unfunded actuarial accrued liability. (1999)
Actuarial Assumptions 1. Mortality	
a. Active	RP 2000 nonannuitant generational mortality table, white collar adjustment (2012)
b. Retired	RP 2000 annuitant generational mortality table, white collar adjustment (2012)
c. Disabled	RP 2000 disabled mortality table. (2012)
2. Retirement Age	Age related table from age 50 to 70. (1999)
3. Disability	Graded rates. (1999)
4. Termination	Graded rates. (1999)
5. Allowance for Expenses	Prior year expenses expressed as a percentage of prior year payroll. (1999)
6. Earnings Progression	Age related table incorporating a 2.75% base inflation assumption. (2015)
7. Active Member Payroll Growth	3.5% per year. (2015)
8. Investment Return	8.0% compounded annually (2015)
9. Retiree COLA	2.5% per year. (2014)
Asset Valuation Method	Fair market value smoothed over 5 years. (2008)

# Summary of Actuarial Assumptions and Methods (Continued)

### THER ASSUMPTIONS

### Separation

GERF uses Select Table for first three years.						
	Percent				Percent	
1		2		3	10%	
	F also uses Se					
Year	Percent	Year	Percent	Year	Percent	
1	8%	2	5%	3	3.5%	
	also uses Sele <u>Percent</u> 25%	Year	Percent	•		
Annuity Selection						
Married members are assumed to elect the following forms of annuities:						
_	_		_	_		

#### GENERAL EMPLOYEES RETIREMENT FUND

	<b>Benefit Option (% chosen)</b>				
Gender	Single-life	<u>25%</u>	<u>50%</u>	<u>75%</u>	100%
Male	40%	5%	15%	10%	30%
Female	70	5	5	5	15

#### PUBLIC EMPLOYEES POLICE AND FIRE FUND

	Benefit Option (% chosen)				
Gender	Single-life	<u>25%</u>	<u>50%</u>	<u>75%</u>	100%
Male	15%	10%	20%	20%	35%
Female	60	5	15	5	15

#### PUBLIC EMPLOYEES CORRECTIONAL FUND

	Benefit Option (% chosen)				
Gender	Single-life	<u>25%</u>	<u>50%</u>	75%	100%
Male	40%	5%	10%	10%	35%
Female	80	5	5	5	5

# Salary Increases

The General Employees Retirement Fund (GERF) and the Public Employees Police & Fire Fund (PEPFF) use salary increase tables based on years of public service, as follows:

Yrs. of	Salary I	Salary Increase		
<u>Service</u>	GERF	PEPFF		
1	11.78%	12.75%		
2	8.65	10.75		
3	7.21	8.75		
4	6.33	7.75		
5	5.72	6.25		
6	5.27	5.85		
7	4.91	5.55		
8	4.62	5.35		
9	4.38	5.15		
10	4.17	5.05		
11	3.99	4.95		
12	3.83	4.85		
13	3.69	4.75		
14	3.57	4.65		
15	3.45	4.55		
16	3.35	4.55		
17	3.26	4.55		
18	3.25	4.55		
19	3.25	4.55		
20	3.25	4.55		
21	3.25	4.45		
22	3.25	4.35		
23+	3.25	4.25		

# **Family Composition**

- **GERF**: 75% of males and 70% of females are married. Beneficiary for males is 3 years younger, Beneficiary for females is 2 years older.
- **PEPFF**: 85% of males and 65% of females are married. Beneficiary for males is 3 years younger. Beneficiary for females is 4 years older.
- **PECF**: 85% of members are married. Wives are 3 years younger than husbands.

### Actuarial Section Actuarial Tables

Sample Annual Rates per 10,000 Employees, June 30, 2015

#### GENERAL EMPLOYEES RETIREMENT FUND **Pre-Retirement Mortality** Disability **Termination** Salary Male Male Female Male Female Female Increase Age Salary increase assumptions for the General Employees Retirement Fund are tied to years of public service rather than age. (See Page 62.)

### - PUBLIC EMPLOYEES POLICE AND FIRE FUND

	Pre-Retiren	nent Mortality	Dis	ability	Term	ination	Salary
Age	Male	Female	Male	Female	Male	Female	Increase
20	3	2	11	11	601	601	0.1
25	4	2	13	13	324	324	Salary increase assumptions
30	4	2	16	16	190	190	for the Public
35	5	4	19	19	146	146	Employees
40	8	6	29	29	126	126	Police & Fire
45	11	8	54	54	91	91	Fund are tied
50	17	13	104	104	50	50	to years of public service
55	24	20	203	203	11	11	rather than age.
60	35	31	0	0	0	0	(See Page 62.)
65	56	50	0	0	0	0	
70	85	76	0	0	0	0	

### - PUBLIC EMPLOYEES CORRECTIONAL PLAN -

	Pre-Retiren	nent Mortality	D	isability	Termi	nation	Salary
Age	Male	Female	Male	Female	Male	Female	Increase
20	3	2	4	4	1,470	1,420	8.75%
25	4	2	6	6	1,470	1,420	7.50%
30	4	3	10	8	910	1,140	6.50%
35	6	5	18	11	600	860	6.00%
40	9	6	23	18	440	690	5.50%
45	13	10	34	39	340	430	4.75%
50	20	16	55	70	240	310	4.75%
55	27	24	88	118	140	220	4.50%
60	43	38	141	241	0	0	4.00%
65	67	59	167	267	0	0	3.75%
70	98	88	0	0	0	0	3.75%

# Schedule of Funding Progress

(last 10 years, in thousands, unaudited)

### GENERAL EMPLOYEES RETIREMENT FUND

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL)-Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll [ (b-a)/c]
06/30/2006	\$12,495,207	\$16,737,757	\$4,242,550	74.65%	\$4,247,109	99.9%
06/30/2007	12,985,324	17,705,627	4,720,303	73.34%	4,448,954	106.1%
06/30/2008	13,048,970	17,729,847	4,680,877	73.60%	4,722,432	99.1%
06/30/2009	13,158,490	18,799,416	5,640,926	69.99%	4,778,708	118.0%
06/30/2010	13,126,993	17,180,956	4,053,963	76.40%	4,804,627	84.4%
06/30/2011	13,455,753	17,898,849	4,443,096	75.18%	5,079,429	87.5%
06/30/2012	13,661,682	18,598,897	4,937,215	73.45%	5,142,592	96.0%
06/30/2013	14,113,295	19,379,769	5,266,474	72.82%	5,246,928	100.4%
06/30/2014	15,644,540	21,282,504	5,637,964	73.51%	5,351,920	105.3%
06/30/2015	17,974,439	23,560,951	5,586,512	76.29%	5,549,255	100.7%

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL)-Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (C)	UAAL as a Percentage of Covered Payroll [ (b-a)/c]
06/30/2006	\$5,017,951	\$5,260,564	\$ 242,613	95.39%	\$618,435	39.2%
06/30/2007	5,198,922	5,669,347	470,425	91.70%	648,342	72.6%
06/30/2008	5,233,015	5,918,061	685,046	88.42%	703,701	97.3%
06/30/2009	5,239,855	6,296,274	1,056,419	83.22%	733,164	144.1%
06/30/2010	5,188,339	5,963,672	775,333	87.00%	740,101	104.8%
06/30/2011	5,274,602	6,363,546	1,088,944	82.89%	775,806	140.4%
06/30/2012	5,797,868	7,403,295	1,605,427	78.31%	794,417	202.1%
06/30/2013	5,932,945	7,304,032	1,371,087	81.23%	796,188	172.2%
06/30/2014	6,525,019	8,151,328	1,626,309	80.05%	820,333	198.2%
06/30/2015	7,076,271	8,460,477	1,384,206	83.64%	845,076	163.8%

### PUBLIC EMPLOYEES CORRECTIONAL FUND -

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL)-Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll [ (b-a)/c]
06/30/2006	\$125,776	\$133,306	\$ 7,530	94.35%	\$125,189	6.0%
06/30/2007	159,548	162,169	2,621	98.38%	134,117	2.0%
06/30/2008	192,937	192,572	(365)	100.19%	154,202	-0.2%
06/30/2009	217,577	229,383	11,806	94.85%	154,650	7.6%
06/30/2010	242,019	248,867	6,848	97.25%	154,777	4.4%
06/30/2011	274,704	284,593	9,889	96.53%	165,077	6.0%
06/30/2012	306,454	343,199	36,745	89.29%	164,340	22.4%
06/30/2013	346,778	381,179	34,401	90.98%	164,820	20.9%
06/30/2014	410,489	426,508	16,019	96.24%	172,041	9.3%
06/30/2015	475,963	498,052	22,089	95.56%	179,623	12.3%



# Solvency Test

Last 10 Years (in Thousands)

	Act	uarial Accrued Liab	oility For:		Porti	on of Ac	crued	
Valuation	Active Member	Current Retirees and	Active Members (Employer Financed)	Valuation	Liabilities Covered by Valuation Assets			
Date	<b>Contribution (1)</b>	<b>Beneficiaries(2)</b>	Portion (3)	Assets	1	2	3	
06/30/06	\$1,841,423	\$ 8,867,326	\$6,029,008	\$12,495,207	100%	100%	29.6%	
06/30/07	1,974,734	9,374,533	6,356,360	12,985,324	100%	100%	25.7%	
06/30/08	2,109,827	9,826,846	5,793,174	13,048,970	100%	100%	19.2%	
06/30/09	2,273,256	10,368,306	6,157,854	13,158,490	100%	100%	8.4%	
06/30/10	2,420,862	9,713,177	5,046,917	13,126,993	100%	100%	19.7%	
06/30/11	2,548,609	10,195,812	5,154,428	13,455,753	100%	100%	13.8%	
06/30/12	2,644,948	10,785,022	5,168,927	13,661,682	100%	100%	4.5%	
06/30/13	2,739,037	11,432,882	5,207,850	14,113,295	100%	99%	0.0%	
06/30/14	2,827,447	12,614,999	5,840,058	15,644,540	100%	100%	3.5%	
06/30/15	2,915,621	14,666,626	5,978,704	17,974,439	100%	100%	6.6%	

### GENERAL EMPLOYEES RETIREMENT FUND

### - PUBLIC EMPLOYEES POLICE AND FIRE FUND

	Act	uarial Accrued Liał	oility For:		Porti	on of A	crued	
Valuation	Active Member	Current Retirees and	Active Members (Employer Financed)	Valuation	Liabilities Covered by Valuation Assets			
Date	<b>Contribution</b> (1)	<b>Beneficiaries(2)</b>	Portion (3)	Assets	1	2	3	
06/30/06	\$382,955	\$2,999,598	\$1,878,011	\$5,017,951	100%	100%	87.1%	
06/30/07	404,434	3,333,906	1,931,007	5,198,922	100%	100%	75.6%	
06/30/08	440,786	3,513,091	1,964,184	5,233,015	100%	100%	65.1%	
06/30/09	485,324	3,729,392	2,081,558	5,239,855	100%	100%	49.2%	
06/30/10	531,676	3,547,230	1,884,766	5,188,339	100%	100%	58.9%	
06/30/11	571,695	3,801,239	1,990,612	5,274,602	100%	100%	45.3%	
06/30/12	609,387	4,654,847	2,139,061	5,797,868	100%	100%	24.9%	
06/30/13	647,401	4,635,133	2,021,498	5,932,945	100%	100%	32.2%	
06/30/14	662,732	5,190,447	2,298,149	6,525,019	100%	100%	29.2%	
06/30/15	715,501	5,310,721	2,434,255	7,076,271	100%	100%	43.1%	

### - PUBLIC EMPLOYEES CORRECTIONAL FUND

	A	ctuarial Accrued Lia	ability For:		Porti	on of A	ccrued	
Valuation	Active Member	Current Retirees and	Active Members (Employer Financed)	Valuation	Liabilities Covered by Valuation Assets			
Date	<b>Contribution</b> (1)	<b>Beneficiaries(2)</b>	Portion (3)	Assets	1	2	3	
06/30/06	\$33,774	\$ 30,695	\$ 68,837	\$125,776	100%	100%	89.1%	
06/30/07	38,697	41,560	81,912	159,548	100%	100%	96.8%	
06/30/08	44,596	55,875	92,101	192,937	100%	100%	100.4%	
06/30/09	51,082	69,198	109,103	217,577	100%	100%	89.2%	
06/30/10	56,834	74,405	117,628	242,019	100%	100%	94.2%	
06/30/11	62,736	88,904	132,953	274,704	100%	100%	92.6%	
06/30/12	66,254	117,016	159,929	306,454	100%	100%	77.0%	
06/30/13	70,603	134,069	176,507	346,778	100%	100%	80.5%	
06/30/14	75,492	154,273	196,743	410,489	100%	100%	91.9%	
06/30/15	77,771	194,694	225,587	475,963	100%	100%	90.2%	

# Schedule of Active Members Valuation Data

Last 10 Years

### GENERAL EMPLOYEES RETIREMENT FUND

Valuation Date	Number	Valuation Payroll	Annual Average Pay	% Increase in Average Pay
06/30/06	144,244	\$4,247,109,000	\$29,444	2.3%
06/30/07	146,226	4,448,954,000	30,425	3.3%
06/30/08	143,562	4,722,432,000	32,895	8.1%
06/30/09	143,353	4,778,708,000	33,335	1.3%
06/30/10	140,389	4,804,627,000	34,224	2.7%
06/30/11	139,952	5,079,429,000	36,294	6.0%
06/30/12	139,330	5,142,592,000	36,909	1.7%
06/30/13	139,763	5,246,928,000	37,542	1.7%
06/30/14	143,343	5,351,920,000	37,336	-0.5%
06/30/15	145,650	5,549,255,000	38,100	2.0%

### PUBLIC EMPLOYEES POLICE AND FIRE FUND -

Valuation Date	Number	Valuation Payroll	Annual Average Pay	% Increase in Average Pay	
06/30/06	10,591	\$618,435,000	\$58,393	2.9%	
06/30/07	10,720	648,342,000	60,480	3.6%	
06/30/08	10,961	703,701,000	64,200	6.2%	
06/30/09	11,035	733,164,000	66,440	3.5%	
06/30/10	11,002	740,101,000	67,270	1.2%	
06/30/11	10,880	775,806,000	71,306	6.0%	
06/30/12	10,865	794,417,000	73,117	2.5%	
06/30/13	10,940	796,188,000	72,778	-0.5%	
06/30/14	10,879	820,333,000	75,405	3.6%	
06/30/15	11,157	845,076,000	75,744	0.4%	

Valuation Date	Number	Valuation Payroll	Annual Average Pay	% Increase in Average Pay
06/30/06	3,531	\$125,189,000	\$35,454	1.7%
06/30/07	3,566	134,117,000	37,610	6.1%
06/30/08	3,710	154,202,000	41,564	10.5%
06/30/09	3,715	154,650,000	41,629	0.2%
06/30/10	3,521	154,777,000	43,958	5.6%
06/30/11	3,510	165,077,000	47,030	7.0%
06/30/12	3,460	164,340,000	47,497	1.0%
06/30/13	3,493	164,820,000	47,186	-0.7%
06/30/14	3,603	172,041,000	47,749	1.2%
06/30/15	3,692	179,623,000	48,652	1.9%



The number of active employees participating in PERA's primary defined benefit plans, while declining in past years, has risen over 4 percent since bottoming out in 2012.

# Schedule of Retirees and Beneficiaries

Last 10 Years

### GENERAL EMPLOYEES RETIREMENT FUND

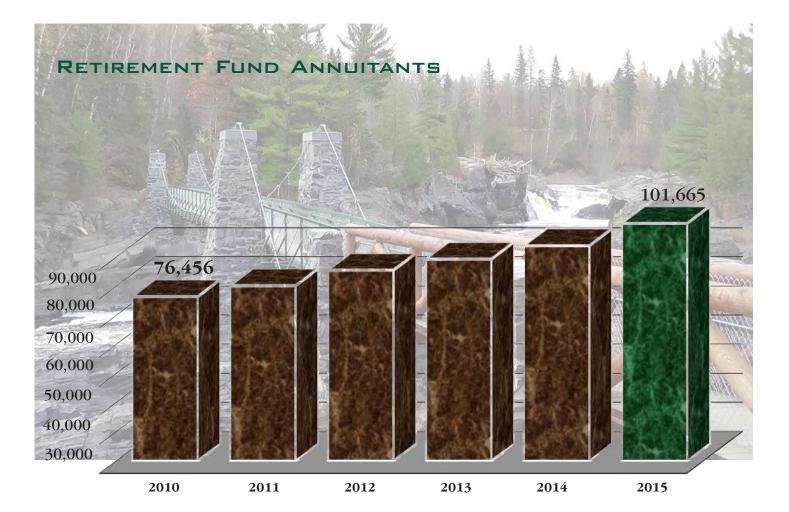
Year Ended	Adde Number Added	ed to Rolls Annual Allowances	Removed Removed		Yes Number		End Total Annual Allowances	% Change in Annual <u>Allowances</u>	Average Annual <u>Allowances</u>
06/30/06	4,317	\$ 36,537,000	1,889	\$26,112,000	59,078	\$	755,332,000	4.8%	\$12,785
06/30/07	4,374	40,320,000	2,016	28,116,000	61,436		793,309,000	5.0%	12,913
06/30/08	4,552	69,065,000	2,108	27,228,000	63,880		835,146,000	5.3%	13,074
06/30/09	4,358	71,682,000	2,179	32,436,000	66,059		874,392,000	4.7%	13,237
06/30/10	4,692	79,514,000	2,277	34,332,000	68,474		919,574,000	5.2%	13,430
06/30/11	5,717	81,013,000	2,370	36,249,000	71,821		964,338,000	4.9%	13,427
06/30/12	6,145	87,604,000	2,431	36,693,000	75,535	1	,015,249,000	5.3%	13,441
06/30/13	6,166	92,483,000	2,618	40,328,000	79,083	1	,067,404,000	5.1%	13,497
06/30/14	6,700	104,862,000	2,649	40,605,000	83,134	1	,131,661,000	6.0%	13,612
06/30/15	10,537	241,065,000	3,079	54,630,000	90,592	1	,318,096,000	16.5%	14,550

### - PUBLIC EMPLOYEES POLICE AND FIRE FUND

		d to Rolls		ed from Rolls	Yea	r-End Total	% Change	Average
Year Ended	Number <u>Added</u>	Annual <u>Allowances</u>	Number <u>Removed</u>		<u>Number</u>	Annual Allowances	in Annual <u>Allowances</u>	Annual <u>Allowances</u>
06/30/06	393	\$13,535,000	207	\$ 7,584,000	6,801	\$265,952,000	5.1%	\$39,105
06/30/07	428	17,754,000	197	6,936,000	7,032	283,128,000	6.5%	40,263
06/30/08	361	25,372,000	199	7,572,000	7,194	300,928,000	6.3%	41,830
06/30/09	338	21,685,000	170	6,396,000	7,362	316,217,000	5.1%	42,953
06/30/10	368	24,314,000	189	7,308,000	7,541	333,223,000	5.4%	44,188
06/30/11	527	23,608,000	220	8,333,000	7,848	348,498,000	4.6%	44,406
06/30/12	1,786	82,541,000	228	9,640,000	9,406	421,399,000	20.9%	44,801
06/30/13	442	27,616,000	269	10,645,000	9,579	438,370,000	4.0%	45,764
06/30/14	736	43,581,000	276	11,214,000	10,039	470,737,000	7.4%	46,891
06/30/15	431	31,109,000	261	11,409,000	10,209	490,437,000	4.2%	48,040

	Added	to Rolls	Removed from Rolls Year-End T		End Total	% Change	Average	
Year Ended	Number Added	Annual Allowances	Number Removed	Annual Allowances	Number	Annual Allowances	in Annual <u>Allowances</u>	Annual Allowances
06/30/06	48	\$ 343,000	5	\$ 4,000	223	\$1,466,000	30.1%	\$6,574
06/30/07	57	490,000	5	3,000	275	1,953,000	33.2%	7,102
06/30/08	47	471,000	4	48,000	318	2,376,000	21.7%	7,472
06/30/09	77	755,000	9	108,000	386	3,023,000	27.2%	7,832
06/30/10	60	707,000	5	96,000	441	3,634,000	20.2%	8,240
06/30/11	92	866,000	5	68,000	528	4,432,000	22.0%	8,394
06/30/12	96	1,048,000	17	168,000	607	5,312,000	19.9%	8,751
06/30/13	100	1,125,000	17	180,000	690	6,257,000	17.8%	9,068
06/30/14	96	1,131,000	17	274,000	769	7,114,000	13.7%	9,251
06/30/15	121	1,722,000	26	336,000	864	8,500,000	19.5%	9,838

### PUBLIC EMPLOYEES CORRECTIONAL FUND



**The number of annuitants** from PERA's primary benefit plans has increased at an annualized rate of almost 5 percent since 2010.

# **Determination of Contribution Sufficiency**

As of June 30, 2015 (in thousands)

- General Employees Retiremen	т <b>F</b> und ———	
Statutory Contributions—M.S. Chapter 353	Percent of Payroll	<b>Dollar Amount</b>
Employee Contributions	6.50%	\$ 365,125
Employer Contributions	7.50%	421,273
Employer Supplemental Contributions	0.55%	31,000
State Contributions	0.11%	6,000
Total (a)	14.66%	\$ 823,398
Actuarially Required Contributions—M.S. Chapter 3	56	
☐ Retirement	5.59%	\$ 313,912
Normal Cost Disability	0.32%	18,011
Death	0.14%	7,865
Deferred	1.14%	64,063
L Refund	0.43%	24,159
Total	7.62%	\$ 428,010
Amortization of Supplemental Contribution (UAAL	) 8.08%	\$ 453,780
Allowance for Administrative Expenses	<u>0.19</u> %	<u>    10,671</u>
Total (b)	15.89%**	\$ 892,461
Contribution Sufficiency (Deficiency) (a - b)	<u>-1.23</u> %	\$ (69,063)
Projected annual payroll for fiscal year beginning Ju	ıly 1, 2015	\$5,616,092
** The required contribution on a market value of as	sets basis is 15.01% of payroll.	

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Employee Cor Employer Cor Minneapolis F	ntributions Police Contributions Fire Contributions Contributions ations	Percent of Payroll 10.80% 16.20% 1.02% 0.54% 0.00% <u>1.03</u> % 29.59%	Second state         Second state<
Actuatially Requir	red Contributions—M.S. Chapter 356		
Normal Cost	Retirement Disability Death Deferred – Refund Total	16.79% 3.33% 0.52% 1.18% <u>0.12%</u> 21.94%	
	of Supplemental Contribution (UAAL) Administrative Expenses	10.25% <u>0.10</u> % <b>32.29</b> %**	\$ 89,814 <u>876</u> <b>\$282,935</b>
<b>Contribution Suff</b>	iciency (Deficiency) (a - b)	-2.70%	<u>\$ (23,675)</u>
Projected annual	payroll for fiscal year beginning July 1, 2	015	\$876,232
** The required co	ntribution on a market value of assets basis i	is 30.28% of payroll.	

Statutory Contributions—M.S. Chapter 353E	Percent of Payroll	Dollar Amount
Employee Contributions	5.83%	\$ 11,068
Employer Contributions	8.75%	16,611
Total (a)	14.58%	\$27,679
Actuarially Required Contributions—M.S. Chapter 356		
☐ Retirement	8.73%	\$ 16,572
Normal Cost   Disability	2.07%	3,930
Death	0.18%	342
Deferral	1.95%	3,702
Refund	_0.45%	854
Total	13.38%	\$ 25,400
Amortization of Supplemental Contribution (UAAL)	1.02%	\$ 1,936
Allowance for Administrative Expenses	0.14%	266
Total (b)	14.54%**	\$27,602
Contribution Sufficiency (Deficiency) (a - b)	<u>0.04</u> %	<u>\$77</u>
Projected annual payroll for fiscal year beginning July	v 1, 2015	\$189,838
** The required contribution on a market value of assets l	pasis is 13.86% of payroll	

# Determination of Actuarial Value of Assets

As of June 30, 2015 (in thousands)

### GENERAL EMPLOYEES RETIREMENT FUND

630,861)	80%	\$(504,689)	
571,711	60%	943,027	
833,405	40%	333,362	
821,722)	20%	(164,344)	
		<u>.</u>	\$ 607,35
	571,711 833,405	571,71160%833,40540%	571,71160%943,027833,40540%333,362

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Calculation of unrecognized return	Original <u>Amount</u>	% Not Recognized	Unrecognized Return	
Year ended June 30, 2014	\$(254,614)	80%	\$(203,691)	
Year ended June 30, 2013	659,930	60%	395,958	
Year ended June 30, 2012	354,260	40%	141,704	
Year ended June 30, 2011	(307,690)	20%	(61,538)	
Total unrecognized return (b)				\$ 272,433

### PUBLIC EMPLOYEES CORRECTIONAL PLAN

Fair value of assets available for benefits ( Calculation of unrecognized return	a) Original <u>Amount</u>	% Not Recognized	Unrecognized Return	\$ 490,731
Year ended June 30, 2014	\$(16,571)	80%	\$(13,257)	
Year ended June 30, 2013	39,430	60%	23,658	
Year ended June 30, 2012	19,267	40%	7,707	
Year ended June 30, 2011	(16,702)	20%	(3,340)	
Total unrecognized return (b)				\$ 14,768
Actuarial value of assets (a-b)				\$ 475,963

# Schedule of Changes in Unfunded Actuarial Accrued Liabilities (UAAL)

For the Fiscal Year Ended June 30, 2015 (in thousands)

	GENERAL	PUBLIC	PUBLIC
	EMPLOYEES	EMPLOYEES	EMPLOYEES
	RETIREMENT	POLICE AND	CORRECTIONAL
	Fund	Fire Fund	Fund
A. UAAL at Beginning of Year (7/1/13)	\$5,637,964	\$1,626,309	\$16,019
B. Change Due to Interest Requirements			
and Current Rate of Funding			
1. Normal Cost and Expenses	408,342	176,133	23,242
2. Contributions	(788,880)	(242,050)	(26,208)
3. Interest on A, B1 and B2	521,306	160,259	3,028
C. Expected UAAL at End of Year (A+B)	\$5,778,732	\$1,720,651	\$16,081
D. Increase (Decrease) Due to Actuarial			
Losses (Gains) Because of Experience			
Deviations from Expected*			
1. Age and Service Retirements	3,377	(7,735)	(928)
2. Disability Retirements	(16)	(3,471)	(795)
3. Death-in-Service Benefits	(7,948)	(860)	(298)
4. Withdrawals	(36,499)	(3,335)	(3,434)
5. Salary Increases	(63,597)	(26,800)	(4,167)
6. Investment Income	(659,528)	(280,133)	(14,566)
7. Mortality of Annuitants	(9,191)	13,700	110
8. Other Items	150,921	23,626	1,745
E. UAAL at End of Year Before Plan Amendments			
and Changes in Actuarial Assumption (C+D)	\$5,156,251	\$1,435,643	\$(6,252)
F. Change in UAAL Due to Change in			
Plan Provisions	218,509	0	0
G. Change in UAAL Due to Change in	211,752	(51,437)	28,341
Actuarial Assumptions and Methods			
H. Change in unfunded actuarial accrued liability d to changes in decrement timing and methodolog		0	0
I. UAAL at End of Year 6/30/14 (E+F+G+H)	\$5,586,512	\$1,384,206	\$22,089

\* Explanatory Notes:

- 1. If members retire earlier than assumed, there is a loss; if later, a gain.
- 2. If more members take a disability than assumed, there is a loss; if fewer, a gain.
- 3. If fewer active members die than assumed, there is a loss; if more, a gain.
- 4. If fewer members terminate employment than assumed, there is a loss; if more, a gain.
- 5. If there are larger salary increases than assumed, there is a loss; if smaller, a gain.
- 6. If there is a smaller investment return than assumed, there is a loss; if larger, a gain.
- 7. If benefit recipients live longer than assumed, there is a loss; if less, a gain.
- 8. Miscellaneous gains and losses.

### THIS PAGE LEFT BLANK INTENTIONALLY.



# Statistical Section

### Introduction

Schedule of Changes in Fiduciary Net Position Benefits and Refunds by Type Statewide Volunteer Firefighter Retirement Plan Revenues and Expenses Active Members by Age and Service Summary of Membership Retirements by Retirement Date Schedule of New Retirees and Initial Benefit Paid Schedule of Benefit Recipients by Type Retirees by Age PERA Annuitant Residency Principal Participating Employers Participating Employers



I-35W Bridge, Minneapolis

- Photo by Ken Harmon -

### THIS PAGE LEFT BLANK INTENTIONALLY.

# Introduction



Public Employees Retirement Association of Minnesota 60 Empire Drive, Suite 200 Saint Paul, Minnesota 55103-2088 Member Information Services: 651-296-7460 or 1-800-652-9026 Employer Response Lines: 651-296-3636 or 1-888-892-7372 PERA Fax Number: 651-297-2547 PERA Website: www.mnpera.org

December 1, 2015

The Statistical Section provides additional historical perspective, context and detail in order to promote a more comprehensive understanding of PERA's financial statements, note disclosures and supplemental information. In addition, multi-year trend financial and operating information provided in this section is intended to facilitate understanding of how the agency's financial position and performance has changed over time.

Financial trend information includes a ten-year Schedule of Changes in Fiduciary Net Position, giving the reader an opportunity to review trends in PERA's additions and deductions. Benefits and refunds are then broken down by type. Financial information is provided separately for the 92 fire departments that make up the Statewide Volunteer Firefighter Retirement Plan.

Membership information includes information about our active, deferred and retired members, starting with a graph showing retirement dates for our current retirees. The vast majority of our retirees retired after PERA was required to grant fairly large cost of living increases to retirees in the late 1990s. This section also includes a Schedule of New Retirees and Initial Benefit Paid for our three defined benefit plans, followed by a Schedule of Benefit Recipients by Type and two graphs showing the location of our benefit recipients.

The rest of the section provides information about the employers who participate in PERA.

The information contained in this section was produced by either PERA's actuary or from internal data sources.

David Legon

Assistant Executive Director



### Schedule of Changes in Fiduciary Net Position Last 10 Fiscal Years (in thousands)

- GENERAL EMPLOYEE	S RETIR	EMENT F	UND	
Additions	2006	2007	2008	2009
Employer Contributions Member Contributions Investment Income (net of expense) Other Total Additions to Fiduciary Net Position		\$ 283,419 260,907 2,206,085 <u>4,229</u> <b>\$2,754,640</b>	\$ 303,304 280,007 (669,406) <u>3,681</u> \$ (82,414)	
DEDUCTIONS				
Benefits Refunds Administrative Expenses Other Total Deductions from Fiduciary Net Position	\$ 748,391 26,452 9,029 <u>3,093</u> \$ 786,965	\$ 784,013 25,745 9,061 <u>2,918</u> \$ 821,737	\$ 824,372 28,772 9,473 <u>3,245</u> <u>\$ 865,862</u>	\$ 863,910 26,887 9,706 <u>1,895</u> \$ 902,398
SPECIAL ITEM				
Change in Fiduciary Net Position	\$1,039,857	\$1,932,903	\$(948,276)	\$(2,653,331)

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Additions	2006	2007	2008	2009
Employer Contributions State Contribution Member Contributions Investment Income (net of expense) Other	$ \begin{array}{r}         63,603 \\         0 \\         42,970 \\         543,959 \\         \underline{1,917}         $	$ \begin{array}{cccc} \$ & 74,707 \\ & 0 \\ 50,689 \\ 882,408 \\ & 1,671 \\ \end{array} $	\$ 87,023 0 58,259 (266,573) <u>1,029</u>	\$ 101,548 0 67,701 (967,445) <u>701</u>
Total Additions to Fiduciary Net Position	\$652,449	\$1,009,475	\$(120,262)	<u>\$ (797,495</u> )
DEDUCTIONS				
Benefits Refunds Administrative Expenses Other Total Deductions from Fiduciary Net Position	\$264,601 867 707 <u>295</u> <u>\$266,470</u>	$\begin{array}{r} \$ 280,267 \\ 874 \\ 678 \\ 248 \\ \$ 282,067 \end{array}$	\$ 295,994 1,496 745 <u>342</u> <u>\$ 298,577</u>	$ \begin{array}{r} \$ & 310,100 \\ & 1,237 \\ & 747 \\ \hline & 199 \\ \$ & 312,283 \end{array} $
Change in Fiduciary Net Position	\$385,979	\$ 727,408	<u>\$(418,839)</u>	<u>\$(1,109,778)</u>

### PUBLIC EMPLOYEES CORRECTIONAL FUND

Additions	2006	2007	2008	2009
Employer Contributions Member Contributions Investment Income (net of expense)	\$11,826 7,881 12,995	\$12,499 8,335 25,081	\$13,388 8,922 (9,552)	\$ 14,123 9,409 (36,201)
Other Total Additions to Fiduciary Net Position	\$32,713	<u>\$45,937</u>	<u>16</u> \$12,774	<u>35</u> \$(12,634)
DEDUCTIONS				
Benefits Refunds Administrative Expenses Other Total Deductions from Fiduciary Net Position Change in Fiduciary Net Position	$ \begin{array}{r}     1,341 \\     619 \\     186 \\     \hline     \underline{4} \\     \underline{5 \ 2,150} \\     \underline{$30,563} \end{array} $		2,268 724 213 34 3,239 9,535	$\begin{array}{c} \$ & 2,836 \\ & 810 \\ & 219 \\ \hline \\ \$ & 3,882 \\ \hline \$(16,516) \end{array}$



<b>2010</b> \$ 342,678 303,571 1,519,786 <u>241</u> <b>\$2,166,276</b>	<b>2011</b> \$ 357,596 311,115 2,607,568 <u>435</u> <u>\$3,276,714</u>	<b>2012</b> \$ 368,037 321,412 320,417 <u>564</u> <b>\$1,010,430</b>	$2013$ $ \begin{array}{r} 372,652 \\ 327,933 \\ 1,903,746 \\                                    $	<b>2014</b> \$ 382,251 334,495 2,760,854 <u>605</u> \$3,478,205	<b>2015</b> \$ 435,115 353,765 777,504 <u>278</u> <b>\$1,566,662</b>
$ \begin{array}{c} 906,300\\ 28,770\\ 9,476\\ 0\\ \hline 944,546 \end{array} $	\$ 950,708 38,218 9,748 0 \$ 998,674	\$1,000,644 39,105 9,650 <u>0</u> <u>\$1,049,399</u>	\$1,051,591 35,865 9,897 <u>23</u> <u>\$1,097,376</u>	\$1,109,866 38,264 9,861 <u>0</u> <u>\$1,157,991</u>	
\$1,221,730	\$2,278,040	\$ (38,969)	\$1,506,955	\$2,320,214	\$ 891,636 <u>\$1,176,973</u>
2010	2011	2012	2012	2014	2015
2010 \$107,065 0 71,736 602,177 0 \$780,978	$2011 \\ \$ 109,604 \\ 0 \\ 73,702 \\ 1,024,981 \\ \hline 1 \\ \$1,208,288 \\ $	$2012 \\ \$121,891 \\ 0 \\ 76,264 \\ 156,926 \\ \underline{488,521} \\ \$843,602 \\ \end{cases}$	2013 \$ 125,995 0 76,434 806,742 <u>24</u> <u>\$ 1,009,195</u>	$2014 \\ \$ 132,632 \\ 9,000 \\ 81,213 \\ 1,158,389 \\ \underline{18} \\ \$1,381,252 \\ \hline$	2015 $$144,317$ 9,000 $88,733$ 317,556 $$
\$326,041 1,493 753 0 \$328,287 \$452,691	\$ 342,219 2,012 762 0 \$ 344,993 \$ 863,295	\$386,208 1,524 855 0 \$388,587 \$455,015	\$ 431,726 2,020 755 0 <u>\$ 434,501</u> <u>\$ 574,694</u>	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	\$481,330 1,953 803 <u>0</u> \$484,086 <u>\$75,604</u>
$2010 \\ \$14,170 \\ 9,442 \\ 24,745 \\ 0 \\ \hline \$48,357 \\ \hline $	$2011 \\ \$14,289 \\ 9,624 \\ 50,343 \\ 0 \\ \hline \$74,256$	2012	2013	2014 $$15,054$ $10,030$ $69,451$ $0$ $$94,535$	$2015$ $ \begin{array}{r} \$15,736\\ 10,472\\ 20,373\\ \hline 0\\ \hline \$46,581 \end{array} $
\$ 3,353 714 222 0 <u>\$ 4,289</u> \$44,068	\$ 4,026 1,338 229 0 \$ 5,593 \$68,663	\$ 4,809 1,332 229 0 \$ 6,370 \$25,377	5,757 1,177 209 0 7,143 61,342		$ \begin{array}{r}     $7,777\\     1,057\\     247\\     \hline     0\\     \hline     $9,081\\     $37,500   \end{array} $



### Schedule of Changes in Fiduciary Net Position Last 10 Fiscal Years (in thousands)

### -MINNEAPOLIS EMPLOYEES RETIREMENT FUND

Additions	2006	2007	2008	2009
Employer Contributions	\$ 35,954	\$ 19,545	\$ 6,405	\$ 6,646
Member Contributions	2,312	1,665	1,431	1,072
Investment Income (net of expense)	123,919	209,351	(61,298)	(223,187)
State Contribution	9,000	9,000	8,866	9,000
Other	0	0	0	0
Total Additions to Fiduciary Net Position	<u>\$171,185</u>	<u>\$239,561</u>	<u>\$ (44,596)</u>	<u>\$(206,469)</u>
DEDUCTIONS				
Benefits	\$143,900	\$147,031	\$ 148,221	\$ 148,745
Refunds	588	165	727	88
Administrative Expenses	793	665	690	761
Other	0	0	155	1,882
Total Deductions from Fiduciary Net Position	<u>\$145,281</u>	<u>\$147,861</u>	<u>\$ 149,793</u>	<u>\$ 151,476</u>
SPECIAL ITEM				
Change in Fiduciary Net Position	\$ 25,904	<u>\$ 91,700</u>	\$(194,389)	\$(357,945)

### STATEWIDE VOLUNTEER FIREFIGHTER RETIREMENT PLAN\*

ADDITIONS	2006	2007	2008	2009	
Employer Contributions State Contributions Investment Income (net of expense) Other (mainly initial transfer of assets) Total Additions to Plan Net Position DEDUCTIONS	\$0 0 <u>0</u> <u>\$0</u>	\$0 0 <u>0</u> <u>\$0</u>	\$0 0 <u>0</u> <u>\$0</u>	\$0 0 <u>0</u> <u>\$0</u>	
Benefits and Refunds Administrative Expenses Total Deductions from Fiduciary Net Position Change in Fiduciary Net Position	\$0 <u>0</u> <u>\$0</u> <u>\$0</u>	\$0 <u>0</u> <u>\$0</u> <u>\$0</u>	\$0 <u>0</u> <u>\$0</u> <u>\$0</u>	\$0 <u>0</u> <b>\$0</b> <b>\$0</b>	

### DEFINED CONTRIBUTION PLAN

Additions	2006	2007	2008	2009	
Employer Contributions Member Contributions Investment Income Other Total Additions to Plan Net Position			$ \begin{array}{r} \$ \ 1,503 \\ 1,356 \\ (2,173) \\ \hline 0 \\ \$ \ 686 \\ \end{array} $		
DEDUCTIONS					
Refunds Administrative Expenses Total Deductions from Fiduciary Net Position Change in Fiduciary Net Position	\$1,390 <u>130</u> \$1,520 \$2,983	\$2,014 <u>117</u> <u>\$2,131</u> <u>\$4,762</u>	\$ 1,567 <u>113</u> <b>\$ 1,680</b> <b>\$ (994)</b>	\$ 1,398 <u>112</u> <u>\$ 1,510</u> \$(3,611)	



$\begin{array}{r} \textbf{2010} \\ \$  4,798 \\ 1,081 \\ 125,710 \\ 9,000 \\ \underline{\qquad 0} \end{array}$	<b>2011</b> \$ 5,105 767 182,660 22,750 44	<b>2012</b> \$ 31,623 564 18,199 22,750 <u>207</u>	<b>2013</b> \$ 31,447 426 108,116 24,000 <u>8</u>	<b>2014</b> \$ 31,426 370 145,957 24,000 <u>39</u>	$\begin{array}{r} 2015 \\ \$  150 \\ 0 \\ 117 \\ 21,575 \\ \underline{\qquad 3} \end{array}$
\$140,589 \$147,099 27 1,235 <u>1,571</u>	\$211,326 \$143,961 178 233 0	\$ 73,343 \$140,709 638 172 0	\$163,997 \$137,807 57 131 0 \$137,807	$\frac{\$201,792}{\$134,466}$ \$134,466 47 146 0 \$124,650	
<u>\$149,932</u> <u>\$(9,343)</u>	<u>\$144,372</u> <u>\$66,954</u>	<u>\$141,519</u> <u>\$ (68,176)</u>	<u>\$137,995</u> <u>\$26,002</u>	<u>\$134,659</u> <u>\$67,133</u>	<u>\$ 66,154</u> \$(891,636) <u>\$(935,945)</u>
<b>2010</b> \$ 7	<b>2011</b> \$ 191	2012 \$ 118	<b>2013</b> \$ 291	2014 \$ 414	<b>2015</b> \$ 226
0 (8) <u>791</u> <u>\$790</u>	242 <u>2,450</u> <u>\$2,883</u>	153 254 <u>3,076</u> \$3,601	361 1,082 <u>7,984</u> \$9,718	900 2,623 <u>7,953</u> \$11,890	1,430 880 <u>4,667</u> \$7,203
\$ 25 <u>1</u> <u>\$ 26</u> \$764			\$ 838 <u>38</u> <u>\$ 876</u> \$8 842		\$1,221 <u>86</u> <u>\$1,307</u> \$5,896
<u>\$764</u>	\$2,756	\$3,302	<u>\$8,842</u>	<u> </u>	<u>\$5,896</u>
$2010$ $ \$1,582 1,480 3,710  1   \frac{1}{\$6,773} $	2011 \$1,622 1,496 6,726 0 \$9,844	<b>2012</b> \$1,674 1,547 1,263 <u>0</u> \$4,484	2013 $ $1,734 1,612 5,625 0  $8,971 $	2014 \$ 1,755 1,628 8,004 0 \$ 11,387	2015 $ $1,850 $ 1,698 2,681
\$1,817 <u>211</u> \$2,028 \$4,745	\$2,596 <u>129</u> \$2,725 \$7,119	$ \begin{array}{r} \$2,128 \\ \underline{144} \\ \$2,272 \\ \$2,212 \\ \end{array} $	\$3,399 <u>152</u> <u>\$3,551</u> <u>\$5,420</u>	\$ 2,800 <u>171</u> <u>\$ 2,971</u> <u>\$ 8,416</u>	\$3,489 <u>186</u> \$3,675 \$2,554



# Benefits and Refunds by Type

Last 10 Fiscal Years (in thousands)

### GENERAL EMPLOYEES RETIREMENT FUND

BENEFITS BY TYPE:	2006	2007	2008	2009
Retirement	\$715,858	\$751,396	\$791,449	\$830,476
Survivor	12,544	12,100	11,424	10,942
Disability		20,517	21,499	22,492
Total	\$748,391	\$784,013	\$824,372	\$863,910
REFUNDS BY TYPE:				
Separation	\$ 18,110	\$ 17,494	\$ 19,970	\$ 18,343
Death	286	379	393	428
Interest/Employer	8,056	7,872	8,409	8,116
Total	\$ 26,452	\$ 25,745	\$ 28,772	\$ 26,887

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

BENEFITS BY TYPE:	2006	2007	2008	2009
Retirement	\$221,418	\$233,941	\$247,667	\$260,312
Survivor	12,957	13,079	13,237	13,746
Disability	30,226	33,247	35,090	36,042
Total	\$264,601	\$280,267	\$295,994	\$310,100
REFUNDS BY TYPE:				
Separation	\$ 512	\$ 538	\$ 890	\$ 735
Death	0	0	39	0
Interest/Employer	355	336	567	502
Total	\$ 867	\$ 874	\$ 1,496	\$ 1.237

### PUBLIC EMPLOYEES CORRECTIONAL FUND

BENEFITS BY TYPE:	2006	2007	2008	2009
Retirement	\$ 400	\$ 624	\$ 863	\$ 1,209
Survivor	1	9	12	14
Disability	940	1,203	1,393	1,613
Total	\$ 1,341	\$ 1,836	\$ 2,268	\$ 2,836
<b>REFUNDS BY TYPE:</b>				
Separation	\$ 530	\$ 395	\$ 606	\$ 650
Death	0	5	0	0
Interest/Employer	89	73	118_	160
Total	\$ 619	\$ 473	\$ 724	\$ 810

### MINNEAPOLIS EMPLOYEES RETIREMENT FUND\* (CONSOLIDATED 6/30/10)

BENEFITS BY TYPE:	2006	2007	2008	2009
Retirement Survivor Death in Service Disability Total	\$115,465 18,225 4,277 <u>5,932</u> \$143,899	\$118,302 18,437 4,290 <u>6,001</u> \$147,030	\$119,414 18,769 4,257 <u>5,781</u> \$148,221	\$120,213 18,661 4,142 <u>5,729</u> \$148,745
REFUNDS BY TYPE: Separation Death Interest/Employer Total	\$ 533 55 <u>0</u> \$ 588			$ \begin{array}{r} \$ & 75 \\ 13 \\ \hline 0 \\ \$ & 88 \end{array} $

\* Data based on MERF accounts prior to transfer to PERA on June 30, 2010. \*\* MERF was merged into GERF on 1/1/15.

<b>2010</b> \$872,828 10,558 <u>22,914</u>	<b>2011</b> \$917,461 10,058 <u>23,189</u>	<b>2012</b> \$ 967,793 9,038 23,813	2013 \$ 914,195 114,131 23,265	<b>2014</b> \$ 970,716 116,451 <u>22,699</u>	<b>2015</b> \$1,083,605 129,405 <u>22,293</u>
\$906,300 \$ 19,261 378 <u>9,131</u> \$ 28,770	\$950,708 \$25,201 475 <u>12,542</u> \$38,218	\$1,000,644 \$27,395 688 <u>11,022</u> \$39,105	\$1,051,591 \$25,878 695 <u>9,292</u> \$35,865	\$1,109,866 \$27,962 514 <u>9,788</u> \$38,264	
<b>2010</b> \$274,751	<b>2011</b> \$289,796	<b>2012</b> \$ 327,956	<b>2013</b> \$ 336,220	<b>2014</b> \$ 353,620	<b>2015</b> \$379,068
\$ 955		\$ 327,536 18,268 <u>39,984</u> \$ 386,208 \$ 1,079	$\begin{array}{r} 533,220\\ 52,827\\ \underline{42,679}\\ \$ 431,726\\ \end{array}$	$ \begin{array}{r}       533,326 \\       54,462 \\       \underline{44,380} \\       \$ 452,462 \\       \$ 1,179 \end{array} $	\$67,500 56,523 <u>45,739</u> \$481,330 \$ 1,423
0 538 \$ 1,493	$ \begin{array}{r}                                     $	$(3, 0, 7) = 6 = \frac{439}{(3, 0, 7)}$	\$ 1,243 31 <u>746</u> \$ 2,020	$   \begin{array}{c}                                     $	$   \begin{array}{c}                                     $
$2010 \\ \$ 1,627 \\ 19 \\ - 1,707 \\ \$ 3,353$	$\begin{array}{r} 2011 \\ \$ 2,081 \\ 23 \\ \underline{1,922} \\ \$ 4,026 \end{array}$	$2012 \\ \$ 2,790 \\ 23 \\ \underline{1,996} \\ \$ 4,809$	2013 \$ 3,518 180 2,059 \$ 5,757	$ \begin{array}{r}     2014 \\     \$  4,427 \\     240 \\     \underline{2,044} \\     \$  6,711 \end{array} $	<b>2015</b> \$5,528 278 <u>1,971</u> \$7,777
					\$ 821 29 <u>207</u> \$1,057
2010	2011	2012	2013	2014	2015**
\$137,548 4,051 0 <u>5,500</u> \$147,099	\$117,332 23,813 0 <u>2,816</u> \$143,961	\$116,016 24,304 0 <u>389</u> \$140,709	\$113,130 24,354 0 <u>323</u> \$137,807	\$110,372 23,972 0 <u>122</u> \$134,466	\$54,292 11,773 0 <u>28</u> <b>\$66,093</b>

# Statewide Volunteer Firefighter Retirement Plan

Statistics as of June 30, 2015

	SIGIISTICS	as of June 30,	, 2015					
FIRE		Benefit						2016
	Active Members	Per Year of Service	Net Assets	Accrued Liability	Funding <u>Ratio</u>	Normal Cost (CY15)	2015 Fire State Aid	Required Contrib.
DEPARTMENT	Members	<u>or service</u>	Assets	Liability	Ratio	<u>Cost (C11)</u> )	State Alu	<u>contrib.</u>
Aitkin (City)	28	\$2,500	\$761,633	\$787,298	97%	\$ 67,118	\$ 57,826	\$ O
Albert Lea (Township)	17	2,000	244,207	251,621	97%	26,923	7,736	5,732
Alborn (Township)	21	500	199,505	126,300	158%	9,455	12,497	0
Alden (City)	22	700	208,513	209,262	100%	15,453	14,282	0
Ashby (City)	21	700	359,398	279,580	129%	16,617	14,340	0
Barnum (City)	23	700	281,783	146,368	193%	14,577	13,687	0
Biwabik (Township)	13	1,000	213,546	172,312	124%	10,108	11,306	0
Brandon (City)	21	1,000	264,403	250,955	105%	22,843	13,894	0
Breitung (Township)	18	1,000	276,694	172,276	161%	13,626	13,092	0
Brevator (Township)	16	700	220,265	175,734	125%	11,349	7,141	0
Buyck VFD	12	500	77,058	29,235	264%	4,693	7,141	0
Cambridge (City)	30	3,500	530,126	597,158	<b>89</b> %	87,034	73,120	0
Canby (City)	24	1,250	443,487	245,534	181%	24,708	26,888	0
Carsonville (Township)	26	500	185,553	79,510	233%	9,293	18,345	0
Center City (City)	19	1,250	345,901	237,814	145%	18,822	13,225	0
Central Lakes VFD	14	500	11,192	3,603	311%	3,819	11,901	0
Clifton (Township)	18	1,250	362,376	206,099	176%	16,995	13,020	0
Colvill VFD	14	500	106,301	72,099	147%	8,019	8,331	0
Crane Lake VFD	11	700	119,869	78,011	154%	8,621	6,451	0
Dalbo VFD	17	1,500	432,443	387,881	111%	33,076	13,670	0
DeGraff (City)	13	500	29,994	18,871	159%	4,659	6,546	0
Dent (City)	26	900	303,442	300,489	101%	18,912	18,679	0
Eagle's Nest (Township)	18	500	7,646	4,451	172%	4,718	7,736	0
Echo (City)	21	700	277,659	220,394	126%	14,450	10,787	0
Elbow Tulaby Lakes VFD		600	107,358	69,094	155%	6,062	8,331	0
Ellsburg VFD	9	900	93,768	58,376	161%	7,756	4,166	0
Elmore (City)	11	1,250	213,907	152,635	140%	13,727	9,921	0
Embarrass Region VFD	18	500	202,349	107,457	188%	7,392	8,926	0
Emmons (City)	23	700	364,856	237,231	154%	14,800	11,306	0
Evergreen VFD	11	500	7,275	2,965	245%	3,143	7,736	0
Fairfax (City)	18	1,500	313,735	246,084	127%	22,355	25,761	0
Federal Dam VFD	7	500	125,432	50,476	248%	3,216	6,546	0
Fredenberg VFD	15	1,000	217,418	192,932	113%	12,559	9,521	0
Gilbert (City)	18	1,250	212,853	202,356	105%	21,171	11,901	0
Gnesen VFD	24	1,500	247,224	279,053	89%	26,982	13,978	0
Goodview (City)	34	2,000	454,436	579,689	78%	52,780	19,698	20,274
Grand Lake (Township)	20	1,500	438,636	343,424	128%	23,343	17,852	0
Grand Marais (City)	21	1,250	340,307	275,538	124%	22,712	19,908	0
Granite Falls (City)	30	1,500	471,261	444,713	106%	41,303	30,281	0
Hardwick (City)	18	500	153,279	121,740	126%	8,233	13,278	0
Hewitt (City)	13	700	143,605	109,996	131%	6,994	8,926	0
Houston (City)	15 25	1,250	402,428	370,521	109%	33,841	16,896	0
Hovland VFD	22	1,250	156,543	73,575	213%	19,107	7,748	1,304
Industrial VFD	15	1,290	307,293	271,932	113%	13,809	9,521	1,504
Kettle River (City)	15	800	159,381	121,485	11 <i>3</i> %	13,869	9,521	0
Lake Bronson (City)	13 27	500	143,759	86,515	166%	10,612	9,921 14,877	0
	4 /	500	173,739	00,919	100/0	10,012	17,0//	0

FIRE		Benefit						2016
DEPARTMENT	Active	Per Year	Net	Accrued	Funding	Normal	2015 Fire	Required
DEFARIMENT	Members	of Service	Assets	Liability	<u>Ratio</u>	<u>Cost (CY15</u> )	State Aid	<u>Contrib.</u>
Lakeland VFD	20	1,000	297,490	231,934	128%	17,055	10,116	0
Le Sueur (City)	23	3,500	937,446	884,764	106%	78,734	41,207	0
Lester Prairie (City)	26	1,000	335,630	326,406	103%	25,159	16,662	0
Lexington (City)	17	3,000	524,071	453,257	116%	47,475	11,306	5,972
Linwood (Township)	28	2,500	699,040	656,928	106%	58,311	26,829	0
Lutsen (Township)	19	1,500	231,873	219,099	106%	25,302	15,971	0
Mahtowa (Township)	21	500	183,629	105,223	175%	9,957	13,092	0
Manchester (City)	13	1,000	144,866	39,818	364%	9,323	9,521	0
Mayer (City)	28	2,000	701,637	626,452	112%	53,050	16,067	0
McKinley (City)	12	600	112,272	88,935	126%	6,277	8,331	0
Melrose (City)	26	1,500	426,666	359,664	119%	31,688	31,849	0
Mountain Iron (City)	19	2,000	308,311	244,320	126%	28,768	14,612	0
Normanna (Township)	11	500	58,434	28,577	204%	4,695	7,141	0
North Star (Township)	16	500	55,555	51,343	108%	7,016	9,521	0
Northhome (City)	18	700	143,832	139,003	103%	11,146	10,116	0
Northland VFD	7	1,250	100,005	98,626	101%	7,065	2,975	0
Norwood Young America (C	City) 29	2,000	633,331	654,730	97%	60,973	27,912	0
Oak Grove (City)	34	2,500	1,283,560	1,140,524	113%	90,945	44,424	0
Oakdale VFD	36	5,000	2,527,242	1,907,396	132%	178,036	153,626	0
Ogilvie (City)	27	1,250	327,103	344,683	95%	32,641	18,176	0
Osakis (City)	19	3,000	633,778	581,186	109%	55,742	28,302	0
Ottertail (City)	22	750	480,300	270,867	177%	14,214	17,756	0
Palo VFD	17	1,000	318,524	225,839	141%	16,592	13,092	0
Pennock (City)	24	900	352,110	273,285	129%	19,868	15,201	0
Pequaywan Lake VFD	15	500	79,210	56,441	140%	6,237	7,736	0
Plato (City)	25	1,250	343,488	396,760	87%	29,132	14,877	131
Porter (City)	23	500	512,526	247,385	207%	10,824	14,282	0
Rice Lake (Township)	25	2,000	580,960	494,035	118%	40,682	20,510	0
Sabin Elmwood VFD	23	900	291,475	232,484	125%	20,359	16,569	0
Sacred Heart (City)	25	800	158,735	155,912	102%	18,002	14,877	0
Saint Leo (City)	18	500	180,449	119,617	151%	7,769	10,711	0
Scandia (City)	25	2,500	712,377	648,538	110%	54,848	33,766	0
Scandia Valley (Township		1,250	293,153	220,323	133%	19,805	14,853	0
Shevlin (City)	20	800	282,378	202,998	139%	14,282	9,521	0
Sunburg (City)	22	500	177,582	154,974	115%	11,463	13,687	0
Tower (City)	20	600	162,494	87,032	187%	9,886	8,926	0
Twin Valley (City)	16	1,000	249,021	165,124	151%	13,126	12,497	0
Ulen (City)	23	700	212,739	187,113	114%	15,583	14,282	0
Victoria (City)	27	3,000	988,595	915,670	108%	80,416	60,043	0
Waconia (City)	31	3,500	1,083,282	896,875	121%	97,410	82,948	0
Waite Park (City)	26	2,100	751,379	611,056	123%	46,479	39,575	0
Warba - Feeley - Sago (City/I		600	176,397	90,764	194%	9,517	11,306	0
Willmar (City)	31	2,500	1,196,362	968,058	124%	85,293	104,135	0
Wolf Lake (City	19	1,000	236,460	201,692	117%	14,044	13,880	0
Wright (City)	12	1,250	137,476	70,163	196%	10,443	7,736	0
		_,0	-0,92,0	, 0,200	-,0,0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	v

These figures are unaudited. Net assets represent the fair value of investments in each entity's account. Accrued liabilities and normal cost are approximations based on spreadsheets approved by PERA's actuary, but are not calculated by the actuary.

2015 Fire State Aid consists of both Fire State Aid and the Fire Supplement Aid.

Both amounts will be paid by the State and deposited into each fire department's account on October 1, 2015.

2016 Required Contributions are due from the entity sponsoring each fire department by 12/31/2016.

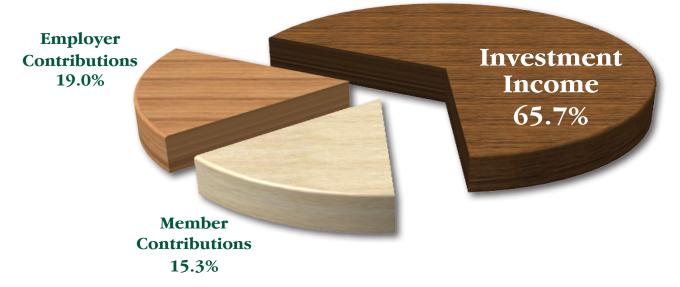


### **Revenues and Expenses**

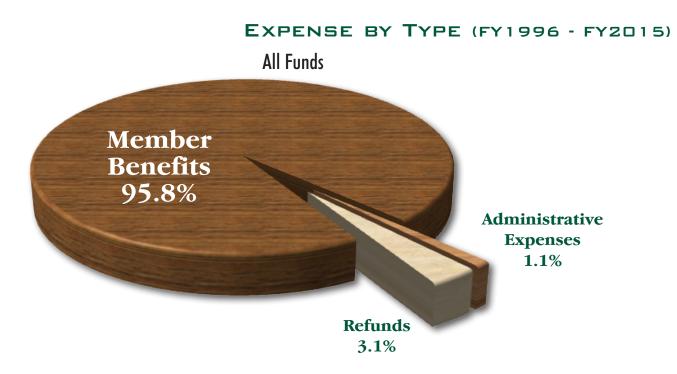
Average over last 20 years

### REVENUES BY SOURCE (FY1996 - FY2015)

All Funds



**Over the past 20 years, investment earnings** have been responsible for two-thirds of PERA's revenues.



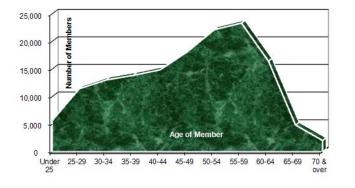
Since FY1996, benefits for our members has represented over 95 percent of PERA's expenses.

STATISTICAL SECTION

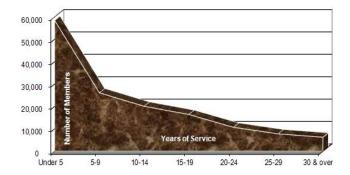
**Active Members** 

### GENERAL EMPLOYEES RETIREMENT FUND

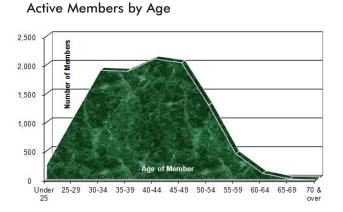
#### Active Members by Age



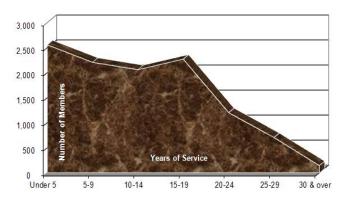
#### Active Members by Years of Service



### PUBLIC EMPLOYEES POLICE AND FIRE FUND

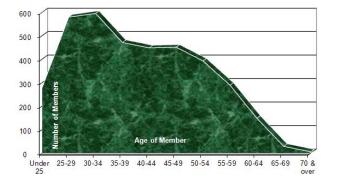


Active Members by Years of Service

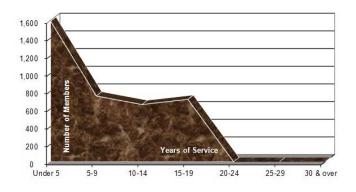


### PUBLIC EMPLOYEES CORRECTIONAL FUND (ESTABLISHED 7/1/99)

Active Members by Age



Active Members by Years of Service



85

# Summary of Membership

Three Largest Plans — Last 10 Years

Fiscal Year	Active	Benefit Recipients	Terminated Vested	Terminated Non-Vested	Total
2006	$1\overline{44,244}$	59,078	37,476	105,590	346,388
2007	146,226	61,436	39,722	109,599	356,983
2008	143,562	63,880	43,984	116,805	368,231
2009	143,353	66,059	43,133	121,690	374,235
2010	140,389	68,474	45,151	126,027	380,041
2011	139,952	71,821	45,325	109,630	366,728
2012	139,330	75,535	44,354	115,287	374,506
2013	139,763	79,083	45,946	119,509	384,301
2014	143,434	83,134	48,505	121,018	396,001
2015	145,650	90,592	51,605	125,366	413,213

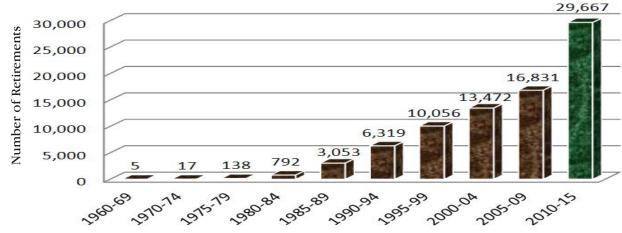
### - PUBLIC EMPLOYEES POLICE AND FIRE FUND

Fiscal Year	Active	Benefit Recipients	Terminated Vested	Terminated Non-Vested	Total
2006	10,591	6,801	999	757	19,148
2007	10,720	7,032	1,200	814	19,766
2008	10,961	7,194	1,242	879	20,276
2009	11,035	7,362	1,280	911	20,588
2010	11,002	7,541	1,315	930	20,788
2011	10,880	7,848	1,335	870	20,933
2012	10,865	9,406	1,303	971	22,545
2013	10,940	9,579	1,388	988	22,895
2014	10,879	10,039	1,481	975	23,374
2015	11,157	10,209	1,560	995	23,921

### - PUBLIC EMPLOYEES CORRECTIONAL FUND

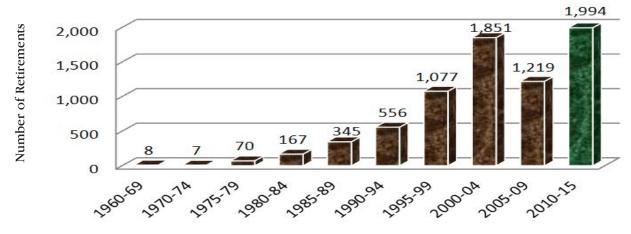
Fiscal Year	Active	Benefit Recipients	Terminated Vested	Terminated Non-Vested	Total
2006	3,531	223	1,100	1,086	5,940
2007	3,566	275	1,337	1,291	6,469
2008	3,710	318	1,520	1,473	7,021
2009	3,715	386	1,683	1,525	7,309
2010	3,521	441	1,895	1,605	7,462
2011	3,510	528	1,981	1,624	7,643
2012	3,460	607	2,091	1,727	7,885
2013	3,493	690	2,232	1,816	8,231
2014	3,603	769	2,380	1,936	8,688
2015	3,692	864	2,620	2,139	9,315

# **Current Retirees by Retirement Date\***

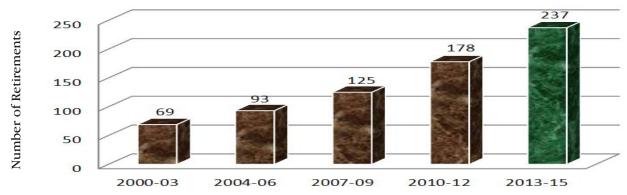


### GENERAL EMPLOYEES RETIREMENT FUND

### PUBLIC EMPLOYEES POLICE AND FIRE FUND







\* These are former public employees currently receiving a non-disability benefit from PERA. Dates shown are fiscal years ending on June 30, not calendar years.

Public Employees Retirement Association of Minnesota



# Schedule of New Retirees and Initial Benefit Paid

Last 10 Years

### GENERAL EMPLOYEES RETIREMENT FUND

			ervice				
	0-4	5-9	10-14	15-19	20-24	25-29	
2015							
Average monthly benefit	\$ 139	\$ 309	\$ 571	\$ 866	\$1,134	\$1,781	\$2,771
Average high five salary	\$3,714	\$2,500	\$2,830	\$3,236	\$3,422	\$4,109	\$4,911
Number of retirants	579	901	864	808	814	813	1,174
2014							
Average monthly benefit	\$ 139	\$ 308	\$ 588	\$ 808	\$1,199	\$1,750	\$2,809
Average high five salary	\$3,716	\$2,563	\$2,953	\$3,027	\$3,534	\$4,009	\$4,963
Number of retirants	628	853	848	791	807	758	1,218
2013	# 1/F	# 202	ф <b>с</b> / (	¢ 022	#1 100	# 1 ( <del>] ]</del>	#0 <b>-</b> 23-
Average monthly beneift	\$ 145	\$ 303	\$ 546	\$ 823	\$1,188	\$1,677	\$2,737
Average high five salary	\$3,499	\$2,529	\$2,777	\$3,074	\$3,456	\$3,914	\$4,895
Number of retirants	581	791	758	726	778	675	1,088
<b>2012</b> Average monthly benefit	\$ 133	\$ 290	\$ 535	\$ 795	\$1,116	\$1,710	\$2,608
Average high five salary	\$3,545	\$2,427	\$ 333 \$2,713	\$2,992	\$3,270	\$3,953	\$4,712
Number of retirants	\$5,545 645	φ2,427 807	¢2,713 812	¢2,992 657	\$3,270 778	\$5,955 615	φ4,712 1,070
	04)	807	012	03/	//0	013	1,070
<b>2011</b> Average monthly benefit	\$ 123	\$ 273	\$ 507	\$ 758	\$1,143	\$1,625	\$2,550
Average high five salary	\$3,348	\$2,290	\$2,553	\$2,845	\$3,365	\$3,873	\$4,686
Number of retirants	563	763	698	¢ <b>2</b> ,019 626	664	\$08 508	1,074
2010							
Average monthly benefit	\$ 116	\$ 266	\$ 498	\$ 748	\$1,110	\$1,608	\$2,432
Average high five salary	\$3,371	\$2,263	\$2,573	\$2,891	\$3,280	\$3,743	\$4,466
Number of retirants	405	585	583	521	593	436	853
2009							
Average monthly benefit	\$ 119	\$ 234	\$ 464	\$ 724	\$1,023	\$1,553	\$2,423
Average high five salary	\$3,348	\$2,115	\$2,519	\$2,830	\$3,093	\$3,624	\$4,458
Number of retirants	429	571	483	563	511	400	657
2008	# 100	# 24C	¢ (1)	# 712	#1.010	#1 440	#2 20 <del>7</del>
Average monthly benefit	\$ 109 \$ 147	\$ 246 \$ 218	\$ 412 \$ 2000	\$ 713 \$ 706	\$1,010 \$2,004	\$1,448	\$2,287
Average high five salary	\$3,147	\$2,218	\$2,266	\$2,796	\$3,094	\$3,441	\$4,271
Number of retirants	416	585	544	513	554	466	715
<b>2007</b> Average monthly benefit	\$ 109	\$ 223	\$ 411	\$ 672	\$ 909	\$1,390	\$2,304
Average high five salary	\$3,031	\$2,017	\$2,263	\$2,659	\$2,856	\$3,346	\$4,282
Number of retirants	\$3,031 387	¢2,017 556	¢2,203 503	¢2,099 563	¢2,890 481	¢3,340 462	¢4,282 681
2006							
Average monthly benefit	\$ 100	\$ 211	\$ 420	\$ 673	\$ 898	\$1,321	\$2,115
Average high five salary	\$2,578	\$1,984	\$2,309	\$2,658	\$2,832	\$3,197	\$4,034
Number of retirants	393	588	527	563	470	409	577



# Schedule of New Retirees and Initial Benefit Paid

Last 10 Years

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

			Years	of Credited So	ervice		
	0-4	5-9	10-14	15-19	20-24	25-29	30+
2015							
Average monthly benefit	\$ 278	\$1,559	\$2,202	\$3,290	\$4,232	\$5,791	\$7,394
Average high five salary	\$5,703	\$5,563	\$5,631	\$6,172	\$6,553	\$7,299	\$7,401
Number of retirants	16	16	27	33	56	81	47
2014							
Average monthly benefit	\$ 375	\$1,358	\$2,081	\$3,070	\$4,479	\$5,611	\$6,952
Average high five salary	\$4,290	\$4,612	\$5,379	\$5,815	\$6,730	\$7,018	\$7,233
Number of retirants	17	33	37	63	93	205	135
2013							
Average monthly benefit	\$ 639	\$1,322	\$1,949	\$2,941	\$4,299	\$5,407	\$7,163
Average high five salary	\$6,439	\$4,978	\$4,830	\$5,533	\$6,274	\$6,741	\$7,350
Number of retirants	8	18	19	23	47	96	60
2012							
Average monthly benefit	\$ 565	\$1,028	\$1,980	\$3,201	\$4,110	\$5,244	\$6,670
Average high five salary	\$5,666	\$3,733	\$5,307	\$5,986	\$6,136	\$6,517	\$6,987
Number of retirants	22	20	21	31	56	95	84
2011	* 101	*** 0 (0	* 2 0 1 0	#2.02 <b>-</b>	* /	* = 100	* < = 0.0
Average monthly benefit	<b>\$</b> 406	\$1,340	\$2,019	\$2,837	\$4,117	\$5,189	\$6,590
Average high five salary	\$4,976	\$5,685	\$5,189	\$5,288	\$6,101	\$6,489	\$6,885
Number of retirants	11	13	23	22	76	74	109
<b>2010</b> Average monthly benefit	\$ 342	\$ 760	\$1,709	\$2,869	\$3,829	\$5,261	\$6,214
Average high five salary	\$4,262	\$7,685	\$1,709 \$4,378	\$2,809 \$5,326	\$5,829 \$5,709	\$5,201 \$6,499	\$6,598
Number of retirants	\$4,202 9	\$5,085 12	\$4,578 15	\$3,520 26	\$3,709 49	\$0,499 71	\$0,398 70
	9	12	13	20	49	/ 1	/0
2009 Average monthly benefit	\$ 293	\$1,071	\$1,531	\$2,514	\$3,716	\$4,932	\$5,977
Average high five salary	\$4,376	\$5,036	\$3,810	\$4,817	\$5,619	\$6,071	\$6,227
Number of retirants	φ <sub>1</sub> ,570 12	¢9,030 15	\$3,810 11	φ4,017 20	<sup>\$9,01</sup> 30	\$0,071 85	φ0,227 67
	18	±./	**		50	0,7	07
2008 Average monthly benefit	\$ 452	\$1,035	\$1,657	\$2,852	\$3,638	\$4,675	\$5,542
Average high five salary	\$4,660	\$5,078	\$4,384	\$5,409	\$5,455	\$5,813	\$5,978
Number of retirants	14	15	20	13	* <sup>*</sup> <sup>9</sup> ,199 39	** <sup>9</sup> ,813 87	<i>**,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
2007							
Average monthly benefit	\$ 474	\$1,116	\$2,095	\$2,195	\$3,355	\$4,815	\$5,685
Average high five salary	\$6,090	\$5,363	\$5,687	\$4,125	\$5,049	\$5,923	\$5,970
Number of retirants	5	15	13	22	47	119	66
2006							
Average monthly benefit	\$ 254	\$ 880	\$1,629	\$2,396	\$3,309	\$4,339	\$4,997
Average high five salary	\$3,541	\$4,143	\$4,022	\$4,611	\$4,928	\$5,403	\$5,323
Number of retirants	13						



# Schedule of New Retirees and Initial Benefit Paid

Last 10 Years

### - PUBLIC EMPLOYEES CORRECTIONAL FUND (ESTABLISHED 7/1/99) -

			Vears	of Credited Se	rvice		
	0-4	5-9	10-14		20-24	25-29	30+
2015							
Average monthly benefit	\$ 501	\$ 758	\$1,106	\$1,510			
Average high five salary	\$4,436	\$3,924	\$4,364	\$5,218			
Number of retirants	15	21	30	37			
2014							
Average monthly benefit	\$ 668	\$ 706	\$1,200				
Average high five salary	\$ 008 \$3,938	\$7,960 \$3,960	\$1,200 \$4,797				
Number of retirants	\$5,958 17	¢3,900 23	¢4,797 43				
Number of remains	1/	25	43				
2013							
Average monthly beneift	\$ 254	\$ 686	\$1,193				
Average high five salary	\$3,296	\$3,904	\$4,891				
Number of retirants	17	16	54				
2012							
2012	¢ 205	¢ (92	¢1070				
Average monthly benefit	\$ 295 \$ 020	\$ 683 \$ 620	\$1,079 \$4607				
Average high five salary Number of retirants	\$2,930	\$3,629	\$4,697				
Number of retirants	12	15	52				
2011							
Average monthly benefit	\$ 369	\$ 580	\$ 976				
Average high five salary	\$3,436	\$3,548	\$4,572				
Number of retirants	18	12	40				
2010							
<b>2010</b> Average monthly benefit	\$ 476	\$ 508	\$ 835				
Average high five salary	\$3,571	\$3,847	\$4,215				
Number of retirants	<i>\$5</i> , <i>5</i> /1 9	φ3,847 14	φ <del>1</del> ,21) 27				
Number of retraits		17	27				
2009							
Average monthly benefit	\$ 413	\$ 677					
Average high five salary	\$3,621	\$4,041					
Number of retirants	16	43					
2008							
Average monthly benefit	\$ 422	\$ 625					
Average high five salary	\$ 422 \$2,633	\$ 023 \$4,127					
Number of retirants	#2,055 9	\$4,127 27					
manifer or remains	,	<i>2</i> /					
2007							
Average monthly benefit	\$ 183	\$ 553					
Average high five salary	\$2,671	\$3,993					
Number of retirants	8	25					
2006							
Average monthly benefit	\$ 454	\$ 464					
Average high five salary	\$ 454 \$4,262	\$ 404 \$3,761					
Number of retirants	\$4,202 8	\$5,761 23					
induited of remaints	0	25					



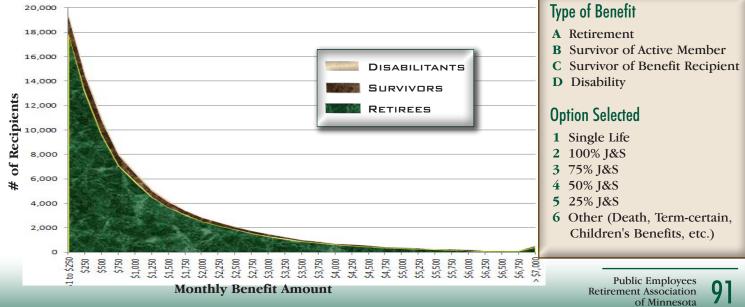
# Schedule of Benefit Recipients by Type

As of June 30, 2015

### GENERAL EMPLOYEES RETIREMENT FUND

Amount of Monthly	Number of Benefit		True of	Benefit				Ontion	Selecte	d	
Benefit	Recipients	A	Type of B	C	D	1	2	<u>Option</u> 3	<u> </u>	<u>-u</u> 5	6
\$ 1 - \$ 250	19,541	17,841	401	1,026	273	13,449	4,500	274	743	361	214
251 - 500	14,680	13,118	253	997	312	9,802	2,924	265	990	499	200
501 - 750	11,009	9,622	251	848	288	6,960	2,212	245	945	410	237
751 - 1,000	8,091	7,113	149	613	216	4,980	1,642	226	739	380	124
1,001 - 1,250	6,587	5,752	136	494	205	3,736	1,456	247	680	375	93
1,251 - 1,500	5,123	4,486	102	386	149	2,722	1,112	226	657	308	98
1,501 - 1,750	4,220	3,676	86	346	112	2,153	925	239	569	261	73
1,751 - 2,000	3,462	3,061	64	257	80	1,691	737	211	522	226	75
2,001 - 2,250	2,886	2,524	50	250	62	1,319	604	171	505	227	60
2,251 - 2,500	2,485	2,140	55	239	51	1,040	569	156	458	195	67
2,501 - 2,750	2,077	1,846	40	162	29	879	489	129	347	154	79
2,751 - 3,000	1,743	1,547	21	160	15	691	440	133	292	121	66
3,001 - 3,250	1,461	1,285	34	126	16	569	381	84	237	115	75
3,251 - 3,500	1,220	1,079	22	113	6	462	309	81	231	84	53
3,501 - 3,750	982	869	17	96	0	344	273	50	195	75	45
3,751 - 4,000	842	744	17	77	4	284	246	53	173	46	40
4,001 - 4,250	677	596	5	74	2	212	208	40	141	45	31
4,251 - 4,500	606	536	8	60	2	187	176	35	124	47	37
4,501 - 4,750	508	445	9	53	1	156	153	45	97	28	29
4,751 - 5,000	387	332	4	50	1	123	119	25	72	32	16
5,001 - 5,250	365	312	3	50	0	112	127	24	74	20	8
5,251 - 5,500	286	249	1	36	0	100	80	24	55	18	9
5,501 - 5,750	230	200	3	27	0	71	63	18	55	15	8
5,751 - 6,000	196	169	2	25	0	59	59	12	43	10	13
6,001 - 6,250	154	133	0	21	0	48	42	10	38	11	5
6,251 - 6,500	108	98	0	10	0	31	30	9	26	6	6
6,501 - 6,750	106	92	2	12	0	42	23	6	28	5	2
6,751 - 7,000	96	81	0	15	0	22	26	10	33	3	2
Over 7,000	464	404	5	55	0	123	137	33	121	32	18
Totals	90,592	80,350	1,740	6,678	1,824	52,367	20,062	3,081	9,190	4,109	1,783

### BENEFIT RECIPIENTS BY BENEFIT AMOUNT



# Schedule of Benefit Recipients by Type

As of June 30, 2015

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

Amount of	Number of											
Monthly	Benefit			pe of Ber						n Selecte		
Benefit	Recipients	Α	B	С	D	Ε	1	2	3	4	5	6
<b>\$</b> 1 - <b>\$</b> 250	147	116	8	21	2	0	53	65	3	12	6	8
251 - 500	141	114	4	21	2	0	54	54	2	16	7	8
501 - 750	123	90	14	17	1	1	42	40	7	16	5	13
751 - 1,000	139	101	5	29	4	0	52	38	4	25	11	9
1,001 - 1,250	136	81	13	38	3	1	40	39	3	21	14	19
1,251 - 1,500	181	82	16	74	6	3	39	42	11	26	16	47
1,501 - 1,750	232	100	30	88	11	3	47	49	15	28	6	87
1,751 - 2,000	265	110	34	97	16	8	55	45	9	52	11	93
2,001 - 2,250	263	129	30	62	31	11	69	67	10	43	11	63
2,251 - 2,500	303	125	46	87	21	24	65	69	21	41	11	96
2,501 - 2,750	520	186	155	117	21	41	96	81	23	68	13	239
2,751 - 3,000	664	184	145	277	14	44	91	88	25	55	12	393
3,001 - 3,250	393	256	18	48	14	57	121	99	35	60	21	57
3,251 - 3,500	455	299	16	35	11	94	155	110	43	61	20	66
3,501 - 3,750	482	336	27	47	14	58	134	127	43	70	32	76
3,751 - 4,000	503	366	12	40	10	75	154	129	51	67	27	75
4,001 - 4,250	494	375	13	22	25	59	143	98	60	89	29	75
4,251 - 4,500	565	458	9	35	20	43	162	116	57	82	34	114
4,501 - 4,750	527	452	6	33	13	23	112	119	61	98	36	101
4,751 - 5,000	532	461	11	18	14	28	136	94	69	107	36	90
5,001 - 5,250	523	425	6	17	56	19	122	83	69	100	27	122
5,251 - 5,500	870	832	2	6	7	23	116	61	59	122	27	485
5,501 - 5,750	292	256	7	6	10	13	74	69	51	58	30	10
5,751 - 6,000	264	240	2	6	4	12	75	47	46	68	27	1
6,001 - 6,250	214	195	3	3	6	7	56	50	32	56	18	2
6,251 - 6,500	195	179	1	4	4	7	59	45	30	45	15	1
6,501 - 6,750	141	129	0	4	3	5	40	38	15	41	6	1
6,751 - 7,000	141	136	0	2	2	1	43	26	28	28	16	0
Over 7,000	504	481	1	6	9	7	154	77	_75	143	53	2
Totals	10,209	7,294	634	1,260	354	667	2,559	2,065	957	1,698	577	2,353

### Type of Benefit

- A Retirement
- **B** Survivor of Active Member
- C Survivor of Benefit Recipient
- **D** Non-Duty Disability
- E Line-of-Duty Disability

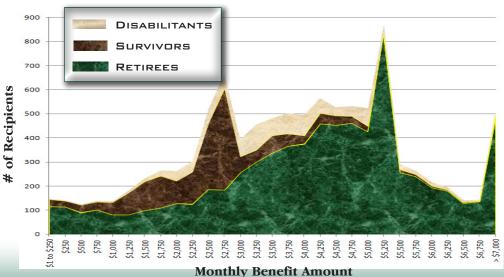
### **Option Selected**

- 1 Single Life
- **2** 100% J&S
- 3 75% J&S
- 4 50% J&S5 25% J&S
- 6 Other



Public Employees Retirement Association of Minnesota

#### BENEFIT RECIPIENTS BY BENEFIT AMOUNT



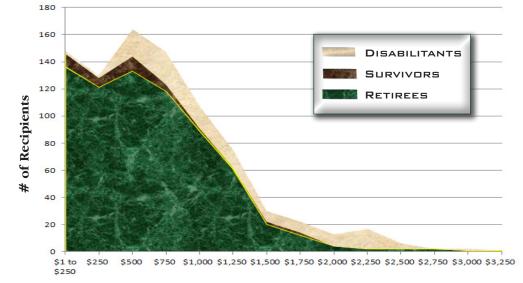
# Schedule of Benefit Recipients by Type

As of June 30, 2015

### PUBLIC EMPLOYEES CORRECTIONAL FUND

Amount of Monthly	Number of Benefit		Tvp	e of Ber	nefit				Option	Selecte	d	
Benefit	Recipients	A	B	С	D	Ε	1	2	3	4	5	6
\$ 1 - \$ 250	148	136	3	7	2	0	94	29	7	11	6	1
251 - 500	130	121	2	5	2	0	74	32	1	18	5	0
501 - 750	164	133	6	5	20	0	86	52	8	12	4	2
751 - 1,000	147	118	2	3	23	1	68	50	11	12	5	1
1,001 - 1,250	107	89	2	0	12	4	54	32	4	9	6	2
1,251 - 1,500	75	61	0	1	4	9	36	20	7	6	6	0
1,501 - 1,750	30	20	2	0	2	6	17	8	0	3	0	2
1,751 - 2,000	22	12	1	1	0	8	11	5	1	2	2	1
2,001 - 2,250	13	4	0	0	0	9	6	6	1	0	0	0
2,251 - 2,500	17	2	0	0	0	15	13	3	0	0	1	0
2,501 - 2,750	6	2	0	0	0	4	5	1	0	0	0	0
2,751 - 3,000	2	2	0	0	0	0	1	1	0	0	0	0
3,001 - 3,250	2	1	0	0	0	1	0	0	1	0	1	0
3,251 - 3,500	1	1	_0	_0	_0	_0	1	0	_0	_0	_0	<u>0</u>
Totals	864	702	18	22	65	57	466	239	41	73	36	9

#### BENEFIT RECIPIENTS BY BENEFIT AMOUNT



### Type of Benefit

- A Retirement
- **B** Survivor of Active Member
- C Survivor of Benefit Recipient
- **D** Non-Duty Disability
- **E** Line-of-Duty Disability

### **Option Selected**

- 1 Single Life
- **2** 100% J&S
- **3** 75% J&S
- **4** 50% J&S
- 5 25% J&S
- 6 Other

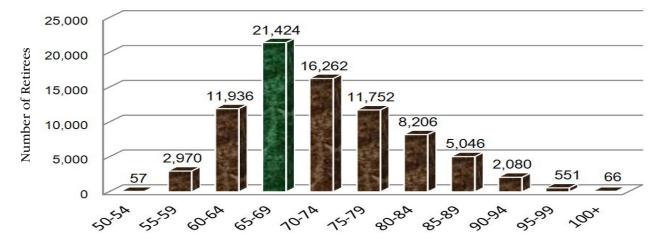
**Monthly Benefit Amount** 

93

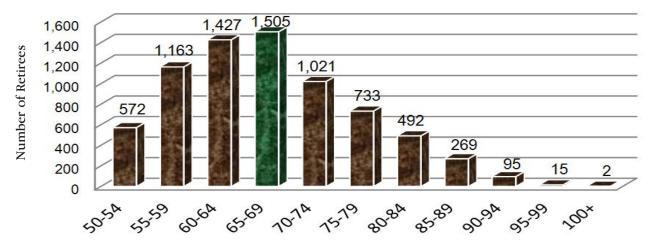
# **Retirees by Current Age**

As of June 30, 2015

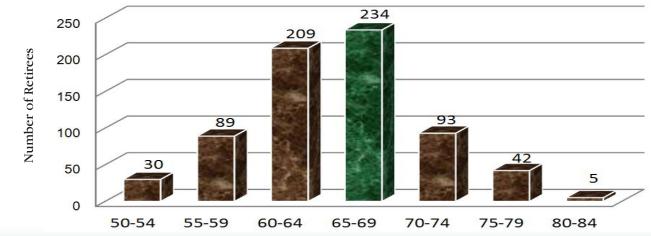
### GENERAL EMPLOYEES RETIREMENT FUND



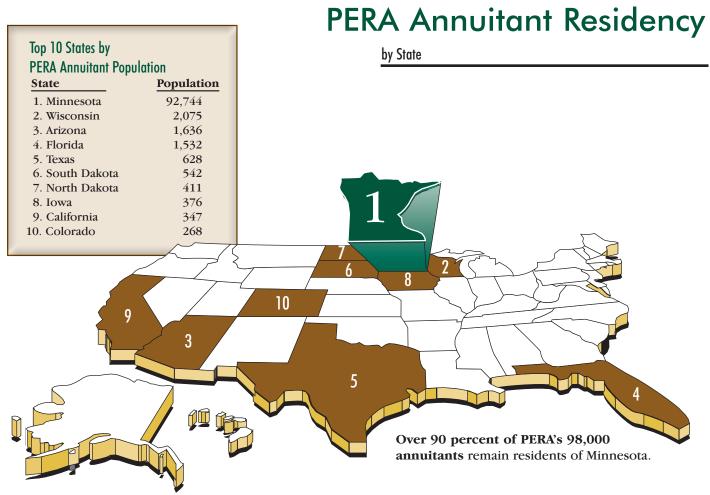
### PUBLIC EMPLOYEES POLICE AND FIRE FUND



### PUBLIC EMPLOYEES CORRECTIONAL FUND (ESTABLISHED 7/1/99)



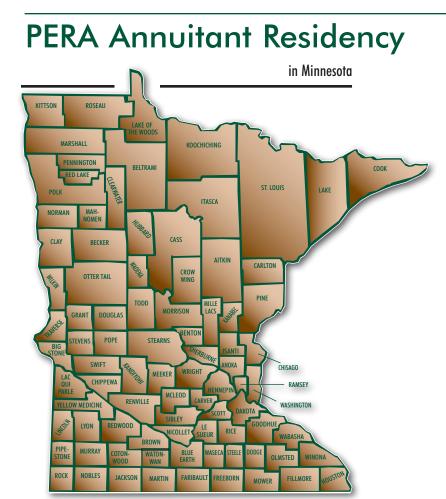
94



### Annuitants and Payments on June 1, 2015

State	Population	Payments	State	Population	Payments	State	Population	Payments
MN	92,744	\$136,478,802	MT	105	\$143,445	MD	33	\$42,540
WI	2,075	3,103,958	MI	130	142,176	NY	36	37,997
FL	1,532	2,958,152	VA	79	107,747	KY	24	26,227
AZ	1,636	2,728,987	GA	96	88,704	LA	14	15,672
TX	628	1,033,320	SC	71	88,120	СТ	15	12,709
SD	542	719,086	HI	43	79,815	ME	12	12,346
CA	347	466,067	UT	49	73,332	NH	9	8,478
ND	411	424,583	ID	59	72,823	VT	6	8,259
NV	221	402,574	IN	65	67,833	NJ	7	7,145
IA	376	370,925	OH	53	61,487	DC	4	3,915
CO	268	353,821	AK	45	60,014	DE	4	2,558
WA	217	300,261	AL	37	57,134	WV	6	2,298
AR	180	294,092	PA	52	52,683	RI	1	168
MO	159	195,105	WY	36	52,533	Foreign	43	58,262
OR	142	171,939	OK	37	52,467	Address		
NM	103	168,079	KS	49	50,100			
NC	121	165,474	MS	27	49,108			
TN	106	159,657	MA	34	43,860			
IL	133	145,994	NE	62	43,252		Public Empl	oyees or





### Annuitants and Payments on June 1, 2015

County	Population	Payments
AITKIN	581	\$ 709,177
ANOKA	4,944	8,344,466
BECKER	718	794,228
BELTRAMI	876	986,373
BENTON	641	851,486
BIG STONE	216	200,097
BLUE EARTH	906	1,122,550
BROWN	585	731,135
CARLTON	943	1,391,235
CARVER	1,161	1,685,417
CASS	823	1,044,172
CHIPPEWA	376	412,177
CHISAGO	1,215	1,871,743
CLAY	720	914,652
CLEARWATER	345	334,535
COOK	231	296,598
COTTONWOOD	304	309,322
<b>CROW WING</b>	1,590	2,244,828
DAKOTA	5,758	9,608,836
DODGE	382	337,434
DOUGLAS	1,232	1,421,662
FARIBAULT	346	359,809
FILLMORE	506	467,120
FREEBORN	627	810,518
GOODHUE	974	1,275,434

County	Population	Payments
GRANT	184	\$ 185,201
HENNEPIN	14,847	25,494,151
HOUSTON	293	265,888
HUBBARD	551	593,245
ISANTI	700	881,131
ITASCA	$\begin{array}{r}1,461\\281\end{array}$	1,868,461
JACKSON KANABEC	419	263,960 483,211
KANDIYOHI	1,197	1,512,527
KITTSON	149	153,534
KOOCHICHING	415	563,868
LAC QUI PARLE	199	201,212
LAKE	407	598,220
LAKE OF THE WOOD		120,458
LE SUEUR	477	582,038
LINCOLN	127	133,599
LYON	578	623,986
MAHNOMEN	110	113,616
MARSHALL MARTIN	250 478	241,111 627,507
MARTIN	478 921	1,095,325
MEEKER	586	621,710
MILLE LACS	651	794,378
MORRISON	715	763,599
MOWER	869	1,185,030
MURRAY	237	224,185
NICOLLET	601	642,835
NOBLES	503	566,388
NORMAN	190	184,730
OLMSTED	1,972	3,283,391
OTTER TAIL	1,218	1,500,059
PENNINGTON PINE	347 756	382,319 1,021,041
PIPESTONE	236	211,204
POLK	668	804,767
POPE	291	389,112
RAMSEY	7,450	13,593,624
RED LAKE	132	134,443
REDWOOD	441	411,786
RENVILLE	414	444,579
RICE	1,068	1,464,497
ROCK	274	253,654
ROSEAU SAINT LOUIS	260 5,588	273,708 9,423,731
SCOTT	1,435	2,220,926
SHERBURNE	1,095	1,800,704
SIBLEY	373	342,838
STEARNS	2,409	2,842,418
STEELE	652	844,237
STEVENS	191	214,195
SWIFT	375	372,232
TODD	525	595,743
TRAVERSE	167	169,291
WABASHA	538 458	626,843
WADENA WASECA	458 415	431,657 439,964
WASECA	415	7,520,092
WATONWAN	4,320	260,252
WILKIN	124	155,210
WINONA	694	951,928
WRIGHT	1,714	2,530,418
YELLOW MEDICINE	368	347,796



## **Principal Participating Employers**

## GENERAL EMPLOYEES RETIREMENT FUND

FY2015			FY2006		
Employer	Active <u>Members</u>	% of Total <u>Active Members</u>	Employer	Active <u>Members</u>	% of Total <u>Active Members</u>
Hennepin County	7,152	4.81%	Hennepin County	10,842	7.52%
Hennepin Healthcare System	5,040	3.39%	Minneapolis School District	5,467	3.79%
Minneapolis School District	4,925	3.31%	City of Minneapolis	3,669	2.54%
City of Minneapolis	3,400	2.29%	Ramsey County	3,194	2.21%
Ramsey County	3,344	2.25%	St. Paul School District	3,106	2.15%
St. Paul School District	2,940	1.98%	Anoka-Hennepin School District	2,636	1.83%
Anoka-Hennepin School Distric	t 2,636	1.77%	City of St. Paul	2,086	1.45%
City of St. Paul	2,314	1.56%	St. Louis County	2,055	1.42%
Rosemount School District	1,877	1.26%	Osseo School District	2,012	1.39%
Anoka County	1,774	1.19%	Anoka County	1,880	1.30%

L

### PUBLIC EMPLOYEES POLICE AND FIRE FUND

FY2	015
-----	-----

Employer	Active Members	% of Total <u>Active Members</u>
City of Minneapolis	1,244	10.77%
City of St. Paul	1,031	8.92%
Hennepin County	325	2.81%
City of Duluth	288	2.49%
City of Rochester	236	2.04%
Ramsey County	215	1.86%
Metropolitan Council	194	1.68%
Hennepin Healthcare System	170	1.47%
City of St. Cloud	162	1.40%
Wright County	135	1.17%

Employer	Active Members	% of Total Active Members
City of Minneapolis	1,187	11.21%
City of St. Paul	900	8.50%
Hennepin County	487	4.60%
Ramsey County	240	2.27%
City of Duluth	213	2.01%
City of Rochester	193	1.82%
City of St. Cloud	168	1.59%
Metropolitan Airports Commission	n 135	1.27%
Wright County	112	1.06%
Anoka County	109	1.03%

### PUBLIC EMPLOYEES CORRECTIONAL FUND

#### FY2015

FY2015			FY2006		
Employer	Active <u>Members</u>	% of Total <u>Active Members</u>	Employer	Active Members	% of Total Active Members
Hennepin County	485	13.06%	Hennepin County	627	17.76%
Ramsey County	476	12.82%	Ramsey County	413	11.70%
Anoka County	234	6.30%	Anoka County	226	6.40%
Sherburne County	132	3.55%	Olmsted County	163	4.62%
Dakota County	106	2.85%	Dakota County	100	2.83%
Olmsted County	103	2.77%	Sherburne County	100	2.83%
Northwestern MN Juvenile Center	er 92	2.48%	St. Louis County	96	2.72%
Prairie Lakes Detention Center	91	2.45%	Washington County	78	2.21%
Stearns County	88	2.37%	Stearns County	77	2.18%
Scott County	83	2.23%	Northwestern MN Juvenile Cente	r 75	2.12%



# **Participating Employers**

Employers listed below have employees in PERA's Basic, Coordinated, Correctional or Police and Fire benefit plans

CITIES ADA ADAMS ADRIAN AFTON AITKIN AKELEY ALBANY ALBERT LEA ALBERTA ALBERTVILLE ALDEN ALEXANDRIA ALPHA ALTURA ALVARADO AMBOY ANDOVER ANNANDALE ANOKA APPLE VALLEY APPLETON ARCO ARDEN HILLS ARGYLE ARLINGTON ASHBY ASKOV ATWATER AUDUBON AURORA AUSTIN AVOCA AVON BABBITT BACKUS BADGER BAGLEY BALATON BARNESVILLE BARNUM BARRETT BATTLE LAKE BAUDETTE BAXTER BAYPORT BEARDSLEY BEAVER BAY BEAVER CREEK BECKER BEJOU BELGRADE BELLE PLAINE BELLECHESTER BELLINGHAM BELVIEW BEMIDJI BENA

BENSON BERTHA BETHEL **BIG FALLS** BIG LAKE BIGELOW BIGFORK BINGHAM LAKE BIRCHWOOD BIRD ISLAND BISCAY BIWABIK BLACKDUCK BLAINE BLOMKEST **BLOOMING PRAIRIE** BLOOMINGTON BLUE EARTH BOCK BOVEY BOWLUS BOY RIVER BOYD BRAHAM BRAINERD BRANDON BRECKENRIDGE BREEZY POINT BREWSTER BRICELYN BROOK PARK BROOKLYN CENTER **BROOKLYN PARK** BROOTEN BROWERVILLE BROWNS VALLEY BROWNSDALE BROWNSVILLE BROWNTON BUFFALO **BUFFALO LAKE** BUHL. BURNSVILLE BUTTERFIELD BYRON CALEDONIA CALLAWAY CALUMET CAMBRIDGE CAMPBELL CANBY CANNON FALLS CANTON CARLOS CARLTON CARVER CASS LAKE CEDAR MILLS

CENTER CITY CENTERVILLE CEYLON CHAMPLIN CHANDLER CHANHASSEN CHASKA CHATFIELD CHICKAMAW BEACH CHISAGO CHISHOLM CHOKIO CIRCLE PINES CLARA CITY CLAREMONT CLARISSA CLARKFIELD CLARKS GROVE CLEAR LAKE CLEARBROOK CLEARWATER CLEMENTS CLEVELAND CLIMAX CLINTON CLITHERALL CLONTARF CLOQUET COATES COBDEN COHASSET COKATO COLD SPRING COLERAINE COLOGNE COLUMBIA HEIGHTS COLUMBUS COMFREY CONGER COOK COON RAPIDS CORCORAN CORRELL COSMOS COTTAGE GROVE COTTONWOOD COURTLAND CROMWELL CROOKSTON CROSBY CROSSLAKE CRYSTAL CURRIE CUYUNA CYRUS DALTON DANUBE DANVERS DARFUR DARWIN DASSEL

DAWSON DAYTON DE GRAFE DEEPHAVEN DEER CREEK DEER RIVER DEERWOOD DELANO DELAVAN DELLWOOD DENNISON DENT DETROIT LAKES DEXTER DIIWORTH DODGE CENTER DONALDSON DONNELLY DORAN DOVER DOVRAY DULUTH DUMONT DUNDAS DUNDEE DUNNELL EAGAN EAGLE BEND EAGLE LAKE EAST BETHEL EAST GRAND FORKS EAST GULL LAKE EASTON ECHO EDEN PRAIRIE EDEN VALLEY EDGERTON **EDINA** EITZEN ELBOW LAKE ELGIN ELIZABETH ELK RIVER ELKO NEW MARKET ELKTON ELLENDALE ELLSWORTH ELMORE ELROSA ELY ELYSIAN EMILY EMMONS ERHARD ERSKINE **EVAN EVANSVILLE EVELETH** EXCELSIOR EYOTA FAIRFAX

FAIRMONT FALCON HEIGHTS FARIBAULT FARMINGTON FEDERAL DAM FELTON FERGUS FALLS FERTILE FIFTY LAKES FINLAYSON FISHER FLENSBURG FLOODWOOD FOLEY FORADA FOREST LAKE FORESTON FOSSTON FOUNTAIN FRANKLIN FRAZEE FREEBORN FREEPORT FRIDLEY FROST FULDA FUNKLEY GARFIELD GARRISON GARVIN GARY GAYLORD GEM LAKE GENEVA GENOLA GEORGETOWN GHENT GIBBON GILBERT GILMAN GLENCOE GLENVILLE GLENWOOD **GLYNDON** GOLDEN VALLEY GONVICK GOOD THUNDER GOODHUE GOODRIDGE GOODVIEW GRACEVILLE GRANADA GRAND MARAIS GRAND MEADOW GRAND RAPIDS **GRANITE FALLS** GRANT GRASSTON GREEN ISLE GREENBUSH GREENFIELD

GREENWOOD GREY EAGLE GROVE CITY GRYGLA GULLY HACKENSACK HADLEY HALLOCK HALMA HALSTAD HAM LAKE HAMBURG HAMPTON HANCOCK HANLEY FALLS HANOVER HANSKA HARDWICK HARMONY HARRIS HARTLAND HASTINGS HAWLEY HAYFIELD HAYWARD HECTOR HENDERSON HENDRICKS HENDRUM HENNING HERMAN HERMANTOWN HERON LAKE HEWITT HIBBING HILL CITY HILLS HILLTOP HINCKLEY HITTERDAL HOFFMAN HOKAH HOLDINGFORD HOLLAND HOLLANDALE HOLLOWAY HOLT HOPKINS HOUSTON HOWARD LAKE HOYT LAKES HUGO HUTCHINSON IHLEN INDEPENDENCE INTERNATIONAL FALLS **INVER GROVE HEIGHTS** IONA **IRON JUNCTION** IRONTON ISANTI



#### **S**TATISTICAL SECTION

SUNFISH LAKE

ISLE **IVANHOE** JACKSON JANESVILLE JASPER JEFFERS **JENKINS** JORDAN KANDIYOHI KARLSTAD KASOTA KASSON **KEEWATIN KELLIHER KELLOGG KENNEDY** KENSINGTON KENT **KENYON KERKHOVEN** KETTLE RIVER KIESTER **KILKENNY KIMBALL KINBRAE** KINNEY LA CRESCENT LA PRAIRIE LA SALLE LAFAYETTE LAKE BENTON LAKE BRONSON LAKE CITY LAKE CRYSTAL LAKE ELMO LAKE HENRY LAKE LILLIAN LAKE PARK LAKE SHORE LAKE ST CROIX BEACH LAKE WILSON LAKEFIELD LAKELAND LAKELAND SHORES LAKEVILLE LAMBERTON LANCASTER LANDFALL LANESBORO LAPRAIRIE LASTRUP LAUDERDALE LE CENTER LE SUEUR LENGBY LEONIDAS LEROY LESTER PRAIRIE **LEWISTON** LEWISVILLE LEXINGTON LILYDALE LINDSTROM LINO LAKES LISMORE LITCHFIELD

LITTLE CANADA LITTLE FALLS LITTLEFORK LONG BEACH LONG LAKE LONG PRAIRIE LONGVILLE LONSDALE LORETTO LOWRY LUCAN LUVERNE LYLE LYND MABEL MADELIA MADISON MADISON LAKE MAGNOLIA MAHNOMEN MAHTOMEDI MANHATTAN BEACH MANKATO MANTORVILLE MAPLE GROVE MAPLE LAKE MAPLE PLAIN MAPLETON MAPLEVIEW MAPLEWOOD MARBLE MARIETTA MARINE ON ST CROIX MARSHALL MAYER MAYNARD MAZEPPA MC GRATH MC GREGOR MC KINLEY MCINTOSH MEADOWLANDS MEDFORD MEDINA MEIRE GROVE MELROSE MENAHGA **MENDOTA** MENDOTA HEIGHTS MENTOR MIDDLE RIVER MILACA MILAN MILLERVILLE MILIVILLE MILROY MILTON MILTONA MINNEAPOLIS **MINNEOTA** MINNESOTA LAKE MINNETONKA MINNETONKA BEACH MINNETRISTA MONTEVIDEO MONTGOMERY

MONTICELLO MONTROSE MOORHEAD MOOSE LAKE MORA MORGAN MORRIS MORRISTOWN MORTON MOTLEY MOUND MOUNDS VIEW MOUNTAIN IRON MOUNTAIN LAKE MURDOCK NASHWAUK NELSON NERSTRAND NEVIS NEW AUBURN NEW BRIGHTON NEW GERMANY NEW HOPE NEW LONDON NEW MARKET NEW MUNICH NEW PRAGUE NEW RICHLAND NEW TRIER NEW ULM NEW YORK MILLS NEWFOLDEN NEWPORT NICOLLET NIELSVILLE NISSWA NORCROSS NORTH BRANCH NORTH MANKATO NORTH OAKS NORTH ST PAUL NORTHFIELD NORTHOME NORTHROP NORWOOD YOUNG AMERICA **NOWTHEN** OAK GROVE OAK PARK HEIGHTS OAKDALE **ODESSA** OGEMA OGILVIE **OKABENA** OKLEE OLIVIA ONAMIA ORMSBY ORONO ORONOCO ORR ORTONVILLE OSAKIS OSLO OSSEO OSTRANDER OTSEGO

OTTERTAIL **OWATONNA** PALISADE PARK RAPIDS PARKERS PRAIRIE PAYNESVILLE PEASE PELICAN RAPIDS PEMBERTON PENNOCK PEQUOT LAKES PERHAM PERLEY PETERSON PIERZ PILLAGER PINE CITY PINE ISLAND PINE RIVER PINE SPRINGS PIPESTONE PLAINVIEW PLATO PLUMMER PLYMOUTH PRESTON PRINCETON PRINSBURG PRIOR LAKE PROCTOR QUAMBA RACINE RAMSEY RANDALL RANDOLPH RANIER RAYMOND RED LAKE FALLS **RED WING** REDWOOD FALLS REMER RENVILLE REVERE RICE RICHFIELD RICHMOND RIVERTON ROBBINSDALE ROCHESTER ROCK CREEK ROCKFORD ROCKVILLE ROGERS ROLLINGSTONE ROSCOE ROSE CREEK ROSEAU ROSEMOUNT ROSEVILLE ROTHSAY ROUND LAKE ROYALTON RUSH RUSHFORD RUSHFORD VILLAGE RUSHMORE

RUSSELL **RUTHTON** SABIN SACRED HEART SAINT AUGUSTA SANBORN SANDSTONE SARTELL SAUK CENTRE SAUK RAPIDS SAVAGE SCANDIA **SCANLON** SEAFORTH SEBEKA SHAFER SHAKOPEE SHELLY SHERBURN SHEVLIN SHOREVIEW SHOREWOOD SILVER BAY SILVER LAKE SKYLINE SLAYTON SLEEPY EYE SOLWAY SOUTH HAVEN SOUTH ST PAUL SPICER SPRING GROVE SPRING LAKE PARK SPRING PARK SPRING VALLEY SPRINGFIELD SOUAW LAKE ST ANTHONY ST BONIFACIUS ST CHARLES ST CLAIR ST CLOUD ST FRANCIS ST HILAIRE ST JAMES ST JOSEPH ST LEO ST LOUIS PARK ST MARTIN ST MARY'S POINT ST MICHAEL ST PAUL ST PAUL PARK ST PETER ST STEPHEN STACY STAPLES STARBUCK STEEN STEPHEN STEWART STEWARTVILLE STILLWATER STOCKTON STORDEN STRANDQUIST

**SWANVILLE** TACONITE TAMARACK TAUNTON TAYLORS FALLS TENSTRIKE THIEF RIVER FALLS THOMSON TINTAH TONKA BAY TOWER TRACY TRAIL TRIMONT TROMMALD TRUMAN TURTLE RIVER TWIN LAKES TWIN VALLEY TWO HARBORS TYLER ULEN UNDERWOOD UPSALA VADNAIS HEIGHTS VERGAS VERMILLION VERNDALE VERNON CENTER VESTA VICTORIA VIKING VILLARD VIRGINIA WABASHA WABASSO WACONIA WADENA WAHKON WAITE PARK WALDORF WALKER WALNUT GROVE WALTHAM WANAMINGO WANDA WARBA WARREN WARROAD WASECA WATERTOWN WATERVILLE WATKINS WATSON WAUBUN WAVERLY WAYZATA WELCOME WELLS WENDELL WEST CONCORD WEST ST PAUL WESTBROOK

STRANDQUIST STURGEON LAKE Retirement Association of Minnesota



WHALAN WHEATON WHITE BEAR LAKE WILDER WILLERNIE WILLIAMS WILLMAR WILLOW RIVER WILMONT WILTON WINDOM WINGER WINNEBAGO WINONA WINSTED WINTHROP WINTON WOLF LAKE WOLVERTON WOOD LAKE WOODBURY WOODLAND WORTHINGTON WRENSHALL WRIGHT WYKOFF WYOMING ZEMPLE ZIMMERMAN ZUMBRO FALLS ZUMBROTA

#### Townships

AASTAD ACOMA ACTON ADAMS ADRIAN AETNA AGASSIZ AGDAR AGRAM AITKIN AKELEY AKRON ALANGO ALASKA ALBA ALBANY ALBERT LEA ALBERTA ALBIN ALBION ALBORN ALDEN ALDRICH ALEXANDRIA ALFSBORG ALLIANCE ALMA ALMOND ALTA VISTA

ALTON ALTONA ALVWOOD AMADOR AMBOY AMHERST AMIRET AMO AMOR ANDOVER ANDREA ANGORA ANGUS ANN ANN LAKE ANSEL ANTHONY ANTRIM APPLETON ARAGO ARBO ARCTANDER ARDENHURST ARENA ARENDAHL ARLINGTON ARLONE ARNA ARROWHEAD ARTHUR ARTICHOKE ARVESON ASH LAKE ASHLAND ASHLEY ATHENS ATHERTON ATKINSON ATLANTA AUDUBON AUGSBURG AUGUSTA AULT AURDAL AURORA AUSTIN AUTOMBA AVON BADGER BADOURA BAKER BALDWIN BALKAN BALL BLUFF BALSAM BANCROFT BANDON BANGOR BARBER BARCLAY BARNESVILLE BARNETT BARNUM BARRY

BARSNESS BARTLETT BARTO BASHAW BASS BROOK BASSETT BATH BATTLE BATTLE PLAIN BAXTER BAY LAKE BAYTOWN BEAR CREEK BEAR PARK BEARVILLE BEATTY BEAUFORD BEAULIEU BEAVER BEAVER BAY BEAVER CREEK BEAVER FALLS BECKER BEJOU BELFAST BELGRADE BELGUIM BELLE CREEK BELLE PLAINE BELLE PRAIRIE BELLE RIVER BELLEVUE BELMONT BELVIDERE BEMIDJI BEN WADE BENNINGTON BENSON BENTON BENVILLE BERGEN BERLIN BERNADOTTE BERTHA BESEMAN BEULAH **BIG BEND** BIG LAKE BIG STONE BIGELOW BIGFORK BIGWOODS BIRCH **BIRCH CREEK** BIRCH LAKE BIRCHDALE BIRD ISLAND BISMARCK BIWABIK BLACK HAMMER BLACK RIVER BLACKBERRY BLACKHOOF BLAKELEY BLIND LAKE

BLOOM

BLOOMER BLOOMFIELD **BLOOMING GROVE BLOOMING PRAIRIE** BLOWERS BLUE EARTH BLUE HILL BLUE MOUNDS BLUEBERRY BLUFFTON BOGUS BROOK BONDIN BOON LAKE BORGHOLM BOWSTRING BOXVILLE BOY LAKE BRADBURY BRADFORD BRANDON BRANDRUP BRANDSVOLD BRANDT BRAY BRECKENRIDGE BREITUNG BREMEN BREVATOR BRIDGEWATER BRIGHTON BRISLET BRISTOL BROCKWAY **BROOK PARK** BROOKFIELD BROOKVILLE **BROWNS CREEK** BROWNS VALLEY BROWNSVILLE BRUCE BRUNO BRUNSWICK BRUSH CREEK BUCKMAN **BUFFALO** BUH BULL MOOSE BULLARD **BUNGO** BURBANK BURKE BURLEENE BURLINGTON BURNHAMVILLE BURNS BURNSTOWN BURTON BUSE BUTLER BUTTERFIELD BUTTERNUT VALLEY BUZZLE BYGLAND **BYRON** CAIRO CALEDONIA

CALLAWAY CAMBRIA CAMBRIDGE CAMDEN CAMERON CAMP CAMP 5 CAMP LAKE CAMP RELEASE CAMPBELL CANDOR CANISTEO CANNON CANNON CITY CANNON FALLS CANOSIA CANTON CARIBOU CARIMONA CARLISLE CARLOS CARLSTON CARPENTER CARROLTON CARSON CARSONVILLE CASCADE CASHEL. CASTLE ROCK CEDAR CEDAR LAKE CEDAR MILLS CEDAR VALLEY CEDARBEND CENTER CENTER CREEK CERESCO CERRO GORDO CHAMPION CHANARAMBIE CHARLESTOWN CHASKA CHATFIELD CHATHAM CHENGWATANA CHERRY CHERRY GROVE CHESTER CHIEF CHIPPEWA FALLS CHISAGO LAKE CHRISTIANIA CLAREMONT CLARK CLAY CLAYTON CLEAR LAKE CLEARWATER CLEVELAND CLIFTON CLINTON CLINTON FALLS CLITHERALL CLONTARF CLOVER CLOVERLEAF

CLOW COKATO COLFAX COLLEGEVILLE COLLINS COLLINWOOD COLUMBIA COLUMBUS COLVIN COMFORT COMO COMPTON COMSTOCK CONCORD CONNELLY COON CREEK COPLEY CORDOVA CORINNA CORLISS CORMANT CORMORANT CORNISH CORRINA COSMOS COTTON COTTONWOOD COURTLAND CRATE CREDIT RIVER CROKE CROMWELL CROOKED CREEK CROOKED LAKE CROOKS CROOKSTON CROSBY CROW LAKE CROW RIVER CROW WING CROW WING LAKES CRYSTAL BAY **CUBA** CULDRUM CULVER CUSHING CUSTER DAGGETT BROOK DAHLGREN DAILEY DALBO DALE DANE PRAIRIE DANFORTH DANIELSON DANVILLE DARLING DARNEN DARWIN DASSEL DAVIS DEAD LAKE DECORIA DEER DEER CREEK



#### STATISTICAL SECTION

DEER PARK DEER RIVER DEERFIELD DEERHORN DEERWOOD DELAFIELD DELAVAN DELAWARE DELHI DELL GROVE DELTON DENMARK DENVER DERRYNANE DES MOINES DES MOINES RIVER DETROIT DEWALD DEWEY DEXTER DIAMOND LAKE DIETER DOLLYMOUNT DONNELLY DORA DOUGLAS DOVER DOVRAY DOVRE DRAMMEN DRESBACH DRYDEN DUBLIN DUDLEY DULUTH DUNBAR DUNN DURAND EAGLE EAGLE LAKE EAGLE POINT EAGLE VALLEY EAGLE VIEW EAGLES NEST EAST CHAIN EAST LAKE LILLIAN EAST PARK EAST SIDE EAST VALLEY EASTERN ECHO ECKLES ECKVOLL EDDY EDEN EDEN LAKE **EDISON** EDNA EDWARDS EFFINGTON EGLON EIDSVOLD ELBA ELBOW LAKE ELDORADO

ELGIN ELIZABETH ELK ELK LAKE ELKTON ELLINGTON ELLSBOROUGH ELLSBURG ELLSWORTH ELM CREEK ELMDALE ELMER **ELMIRA** ELMO ELMORE ELMWOOD ELYSIAN EMARDVILLE EMBARRASS EMERALD EMMET EMPIRE ENSTROM ENTERPRISE EQUALITY ERDAHL ERHARDS GROVE ERICSON ERIE ERIN ESPELIE ESTHER EUCLID EUREKA EVANSVILLE EVERGLADE EVERGREEN **EVERTS** EWINGTON EXCEL EYOTA FAHLUN FAIR HAVEN FAIRBANKS FAIRFAX FAIRFIELD FAIRMONT FAIRVIEW FALK FALL LAKE FALUN FANNY FARDEN FARLEY FARM ISLAND FARMING FARMINGTON FAWN LAKE FAXON FAYAL FEATHERSTONE FEELEY FELTON FENTON FERGUS FALLS **FERN** 

FIELD FIELDON FILLMORE FINE LAKES FINLAYSON FISH LAKE FISHER FLEMING FLOM FLOODWOOD **FLORA** FLORENCE FLORIDA FLOWING FOLDAHL FOLDEN FOLSOM FORD FOREST FOREST CITY FOREST LAKE FOREST PRAIRIE FORESTVILLE FORK FORT RIPLEY FORTIER FOSSUM FOSTER FOUNTAIN FOUTAIN PRAIRIE FOX LAKE FOXHOME FRAMNAS FRANCONIA FRANKFORD FRANKFORT FRANKLIN FRASER FREDENBERG FREEBORN FREEDOM FREELAND FREEMAN FREMONT FRENCH FRENCH LAKE FRIBERG FRIENDSHIP FROHN GAIL LAKE GALENA GALES GARDEN GARDEN CITY GARFIELD GARNES GARRISON GENEVA GENNESSEE GENTILLY GEORGETOWN GERMANIA GERMANTOWN GERVAIS GETTY GILCHRIST GILLFORD

GILMANTON GIRARD GLASGOW GLEN GLENCOE **GLENDORADO** GLENWOOD **GLYNDON** GNESEN GODFREY GOLDEN VALLEY GOOD HOPE GOODHUE GOODLAND GOODRIDGE GOOSE PRAIRIE GORDON GORMAN GORTON GOULD GRACE GRACEVILLE GRAFTON GRAHAM GRAHAM LAKES GRANBY GRAND FORKS GRAND LAKE GRAND MEADOW GRAND PRAIRIE GRAND RAPIDS GRANDVIEW GRANGE GRANITE GRANITE FALLS GRANITE LEDGE GRANITE ROCK GRANITE VALLEY GRANT VALLEY GRANVILLE GRASS LAKE GRATTAN GRAY GREAT BEND GREAT SCOTT GREEN ISLE GREEN LAKE GREEN MEADOW GREEN PRAIRIE GREEN VALLEY GREENBUSH GREENFIELD GREENLEAF GREENVALE GREENWAY GREENWOOD GREGORY GREY CLOUD ISLAND GREY EAGLE GRIMSTAD GROVE GROVE LAKE GROVE PARK-TILDEN GULLY **GUTHRIE** 

HAGALI HAGEN HALDEN HALE HALLOCK HALSTAD HAMDEN HAMLIN HAMMER HAMMOND HAMPDEN HAMPTON HAMRE HANCOCK HANGAARD HANSONVILLE HANTHO HARMONY HARRIS HARRISON HART HART LAKE HARTFORD HARTLAND HARVEY HASSAN HASSAN VALLEY HAUGEN HAVANA HAVELOCK HAVEN HAVERHILL HAWK CREEK HAWLEY HAY CREEK HAYBROOK HAYES HAYFIELD HAYLAND HAYWARD HAZEL RUN HAZELTON HECTOR HEGBERT HEGNE HEIER HEIGHT OF LAND HELEN HELENA HELGA HELGELAND HENDERSON HENDRICKS HENDRICKSON HENDRUM HENNING HENRIETTA HENRYVILLE HEREIM HERON LAKE HERSEY HICKORY HIGDEM HIGH FOREST HIGHLAND HIGHLAND

GROVE HIGHLANDING HIGHWATER HILL HILL LAKE HILL RIVER HILLMAN HILLSDALE HINCKLEY HINES HIRAM HOBART HODGES HOFF HOKAH HOKAN HOLDEN HOLDING HOLLAND HOLLY HOLLYWOOD HOLMES CITY HOLMESVILLE HOLST HOLT HOLY CROSS HOLYOKE HOME HOME LAKE HOMEBROOK HOMER HOMESTEAD HONNER HOPE HORNET HORTON HOUSTON HUBBARD HUDSON HUMBOLDT HUNTER HUNTERSVILLE HUNTLY HUNTSVILLE HUSS HUTCHINSON HYDE PARK IDA IDEAI IDUN INDIAN LAKE INDUSTRIAL INGUADONA INMAN IONA IOSCO **IRON RANGE** IRONDALE IRVING ISANTI ISLAND LAKE ISLE HARBOR ITASCA **IACKSON** 

IADIS **JAMESTOWN JANESVILLE** JAY **JEFFERSON JENKINS JESSENLAND IEVNE** IO DAVIESS **JOHNSON JOHNSONVILLE** IONES JORDAN JUDSON JUPITER KABETOGAMA KALEVALA KALMAR KANABEC **KANARANZI** KANDIYOHI **KANDOTA** KASOTA KATHIO KEENE KEGO **KELLIHER** KELSEY **KELSO KENYON KERKHOVEN** KERRICK **KERTSONVILLE** KETTLE RIVER **KEYSTONE** KIESTER KILDARE KILKENNY **KIMBALL** KIMBERLY KING KINGHURST KINGMAN KINGSTON KINTIRE KNIFE LAKE KNUTE **KRAGERO** KRAGNES KRAIN KRATKA **KROSCHEL** KUGLER KURTZ LA CRESCENT LA CROSSE LA GARDE LA GRAND LA PRAIRIE LAC QUI PARLE LACROSSE LAFAYETTE LAIDLAW LAKE



LAKE ALICE LAKE ANDREW LAKE BELT LAKE BENTON LAKE EDWARD LAKE ELIZABETH LAKE EMMA LAKE EUNICE LAKE FREMONT LAKE GEORGE LAKE GROVE LAKE HANSKA LAKE HATTIE LAKE HENRY LAKE IDA LAKE JESSIE LAKE JOHANNA LAKE MARSHALL LAKE MARY LAKE PARK LAKE PLEASANT LAKE PRAIRIE LAKE SARAH LAKE SHORE LAKE STAY LAKE VALLEY LAKE VIEW LAKEPORT LAKESIDE LAKETOWN LAKEVIEW LAKEWOOD LAKIN LAMBERT LAMBERTON LAMMERS LAND LANESBURGH LANGHEI LANGOLA LANGOR LANSING LAONA LARKIN LAVELL LAWRENCE LE RAY LE SAUK LEAF LAKE LEAF MOUNTAIN LEAF RIVER LEAF VALLEY LEAVENWORTH LEE LEECH LAKE LEEDS LEENTHROP LEIDING LEIGH LEMOND LENT LEON LEONARDSVILLE

102

2 Public Employees Retirement Association of Minnesota

LEOTA LERAY LEROY LESLIE LESSOR LEVEN LEWIS LEXINGTON LIBBY LIBERTY LIDA LIEN LILLIAN LIMA LIME LIME LAKE LIMESTONE LINCOLN LIND LINDEN LINDEN GROVE LINSELL LINWOOD LISBON LISMORE LITCHFIELD LITTLE ELBOW LITTLE ELK LITTLE FALLS LITTLE PINE LITTLE ROCK LITTLE SAUK LIVONIA LOCKHART LODI LOGAN LONDON LONE PINE LONE TREE LONG LAKE LONG PRAIRIE LOON LAKE LORAIN LOUISVILLE LOURISTON LOWELL LOWVILLE LUCAS LUND LURA LUTSEN LUVERNE LUXEMBURG LYLE LYND LYNDEN LYNN LYONS LYRA MACSVILLE MACVILLE MADELIA MADISON

MAGNOLIA MAHTOWA MAINE MAINE PRAIRIE MALMO MALTA MALUNG MAMRE MANANNAH MANCHESTER MANDT MANFRED MANKATO MANSFIELD MANSTON MANTORVILLE MANTRAP MANYASKA MAPLE MAPLE GROVE MAPLE LAKE MAPLE RIDGE MAPLETON MAPLEWOOD MARBLE MARCELL MARION MARSH CREEK MARSH GROVE MARSHALL MARSHAN MARSHFIELD MARTIN MARTINSBURG MARY MARYSLAND MARYSVILLE MASON MAX MAXWELL MAY MAY WOOD MAYFIELD MAYHEW LAKE MAYVILLE MAZEPPA MCCAULEYVILLE MCCREA MCDAVITT MCDONALDSVILLE MCGREGOR MCKINLEY **MCPHERSON** MEADOW MEADOW BROOK MEADOWLANDS MEADOWS MEDFORD MEDO MEHURIN MELROSE MEIVILLE MERIDEN MERTON MICKINOCK MIDDLE RIVER

MIDDLETOWN MIDDLEVILLE MIDWAY MILACA MILFORD MILLERVILLE MILLWARD MILLWOOD MILO MILTON MILTONA MINDEN MINERVA MINNEISKA MINNEOLA MINNEOTA MINNESOTA FALLS MINNESOTA LAKE MINNEWASKA MINNIE MISSION MISSION CREEK MITCHELL MOE MOLAND MOLTKE MONEY CREEK MONROE MONSON MONTGOMERY MONTICELLO MOONSHINE MOORE MOORHEAD MOOSE MOOSE CREEK MOOSE LAKE MOOSE PARK MOOSE RIVER MORAN MORANVILLE MORCOM MORGAN MORKEN MORRILL MORRIS MORRISON MORRISTOWN MORSE MOSCOW MOTLEY MOULTON MOUND MOUND PRAIRIE MOUNT MORRIS MOUNT PLEASANT MOUNT VERNON MOUNTAIN LAKE MOYER MOYLAN MUDGETT MULLIGAN MUNCH MUNSON MURRAY

NASHVILLE NASHWAUK NEBISH NELSON NELSON PARK NERESON NESBIT NESS NESSEL NEVADA NEVIS NEW AUBURN NEW AVON NEW DOSEY NEW FOLDEN NEW HARTFORD NEW HAVEN NEW INDEPENDENCE NEW LONDON NEW MAINE NEW MARKET NEW PRAIRIE NEW RICHLAND NEW SCANDIA NEW SOLUM NEW SWEDEN NEWBURG NEWRY NEWTON NICKERSON NICOLLET NIDAROS NILSEN NININGER NOKAY LAKE NORA NORDEN NORDICK NORDLAND NORE NORFOLK NORMAN NORMANIA NORMANNA NORTH NORTH BRANCH NORTH FORK NORTH GERMANY NORTH HERO NORTH OTTAWA NORTH STAR NORTHERN NORTHFIELD NORTHLAND NORTON NORWAY NORWAY LAKE NORWEGIAN GROVE NUMEDAL NUNDA OAK OAK LAWN OAK PARK OAK VALLEY OAKLAND OAKPORT

OAKWOOD OBRIEN ODESSA ODIN OGEMA OLNEY OMRO ONAMIA ONSTAD ORANGE ORION ORONOCO ORROCK ORTON ORTONVILLE ORWELL OSAGE OSAKIS OSBORNE OSCAR OSCEOLA OSHAWA OSHKOSH OTENEAGEN OTISCO OTREY OTTAWA OTTERTAIL OTTERTAIL PENINSULA OTTO **OWATONNA** OWENS OXFORD PADDOCK PAGE PALMER PALMVILLE PALMYRA PARK PARKE PARKER PARKERS PRAIRIE PARNELL PARTRIDGE PAXTON PAYNESVILLE PEACE PELAN PELICAN PELICAN LAKE PEMBINA PENN PEPIN PEPPERTON PEQUAYWAN PERCH LAKE PERCY PERHAM PERRY PERRY LAKE PETERSBURG PICKEREL LAKE PIERZ PIKE PIKE BAY

#### **S**TATISTICAL SECTION

TROY

PIKE CREEK PILLSBURY PILOT GROVE PILOT MOUND PINE CITY PINE ISLAND PINE LAKE PINE POINT PINE RIVER PLAINVIEW PLATTE PLATTE LAKE PLEASANT GROVE PLEASANT HILL PLEASANT MOUND PLEASANT PRAIRIE PLEASANT VALLEY PLEASANT VIEW PLINY POHLITZ POKEGAMA POLK CENTRE POLONIA POMME DE TERRE POMROY PONTO LAKE POPLAR POPLAR GROVE POPLAR RIVER POPPLE POPPLE GROVE POPPLETON PORT HOPE PORTAGE POSEN POWERS PRAIRIE LAKE PRAIRIE VIEW PRAIRIEVILLE PREBLE PRESCOTT PRESTON PRESTON LAKE PRINCETON PRIOR PROVIDENCE PULASKI QUEEN QUINCY QUIRING RABBIT LAKE RACINE RAIL PRAIRIE RANDOLPH RANSOM RAPIDAN RAVENNA RAYMOND RED EYE RED LAKE FALLS RED ROCK REDPATH REDWOOD FALLS REINE REINER REIS REMER

RENDSVILLE RENO REYNOLDS RHEIDERLAND RHINEHART RICE RICE LAKE RICE RIVER RICELAND RICEVILLE RICH VALLEY RICHARDSON RICHLAND RICHMOND RICHWOOD RIDGELY RIPLEY RIVER **RIVER FALLS** RIVERDALE RIVERSIDE RIVERTON ROBERTS ROCHESTER ROCK ROCK DELL ROCK LAKE ROCKFORD ROCKSBURY ROCKVILLE ROCKWOOD ROGERS ROLLING FORK ROLLING GREEN ROLLINGSTONE ROLLIS ROME ROOME ROOSEVELT ROSCOE ROSE DELL ROSEBUD ROSEDALE ROSEHILL ROSELAND ROSENDALE ROSEVILLE ROSEWOOD ROSING ROSS ROSS LAKE ROST ROUND GROVE ROUND LAKE ROUND PRAIRIE ROYAL ROYALTON RUNEBERG RUSH LAKE **RUSHSEBA** RUSSIA RUTLAND SACRED HEART SAGO SALEM SALO SAN FRANCISCO

SAND CREEK SAND LAKE SANDERS SANDNES SANDSTONE SANDSVILLE SANDY SANFORD SANTIAGO SARATOGA SARGEANT SAUK CENTRE SAUK RAPID SAVANNAH SCAMBLER SCANDIA SCANDIA VALLEY SCHOOLCRAFT SCHROEDER SCIOTA SCOTT SEAVEY SEELY SELMA SEVERANCE SEWARD SHAFER SHAMROCK SHAOKATAN SHARON SHELBURNE SHELBY SHELDON SHELL LAKE SHELL RIVER SHELLROCK SHELLY SHERIDAN SHERMAN SHETEK SHEVLIN SHIBLE SHIELDSVILLE SHINGOBEE SHOOKS SHOTLEY SIBLEY SIGEL SILVER SILVER BROOK SILVER CREEK SILVER LAKE SILVER LEAF SILVERTON SINCLAIR SINNOTT SIOUX AGENCY SIOUX VALLEY SIX MILE GROVE SKAGEN SKANDIA SKANE SKELTON SKREE SLATER SLAYTON SLETTEN

SMILEY SMOKEY HOLLOW SODUS SOLEM SOLER SOLWAY SOMERSET SOUTH BEND SOUTH BRANCH SOUTH HARBOR SOUTH RED RIVER SOUTHBROOK SOUTHFORK SOUTHSIDE SPALDING SPANG SPARTA SPENCER SPENCER BROOK SPLIT ROCK SPLITHAND SPRING CREEK SPRING GROVE SPRING LAKE SPRING PRAIRIE SPRING VALLEY SPRINGBROOK SPRINGDALE SPRINGFIELD SPRINGHILL SPRINGVALE SPRINGWATER SPRUCE SPRUCE GROVE SPRUCE HILL SPRUCE VALLEY ST CHARLES ST GEORGE ST JAMES ST JOSEPH ST LAWRENCE ST MARTIN ST OLAF ST. JOHNS ST. MARY ST. MATHIAS ST. VINCENT ST. WENDEL STAFFORD STANCHFIELD STANFORD STANLEY STANTON STAPLES STAR STAR LAKE STARK STATELY STAUCHFIELD STEAMBOAT RIVER STEENERSON STERLING STEVENS STILLWATER STOCKHOLM STOKES STONEHAM

STONEY BROOK STONY BROOK STONY RIVER STONY RUN STORDEN STOWE PRAIRIE STRAIGHT RIVER STRAND STURGEON STURGEON LAKE SUGAR BUSH SULLIVAN SUMMIT SUMMIT LAKE SUMNER SUMTER SUNDAL **SUNDOWN** SUNNYSIDE SUNRISE **SVEA** SVERDRUP SWAN LAKE SWAN RIVER **SWANVILLE** SWEDE GROVE SWEDE PRAIRIE SWEDES FOREST SWEET SWENODA SYLVAN **SYNNES** TABOR TAMARAC TANBERG TANSEM TARA TAYLOR TEIEN TEN LAKES TEN MILE LAKE TENGER TENHASSEN TERREBONNE THIEF LAKE THIRD RIVER THOMASTOWN THOMPSON THOMSON THORPE THREE LAKES THUNDER LAKE TIMOTHY TINTAH TOAD LAKE TODD TOFTE TOIVOLA TOOUA TORDENSKJOLD TORNING TORREY TRANSIT TRAVERSE TRELIPE TRONDHJEM TROUT LAKE

TUMULI TUNSBERG TURNER TURTLE CREEK TURTLE LAKE TURTLE RIVER TWIN LAKES TWO INLETS TWO RIVERS **TYNSID** TYRO TYRONE UDOLPHO ULEN UNDERWOOD UNION UNION GROVE URNESS UTICA VAIL VALLERS VALLEY VAN BUREN VASA VEGA VELDT VERDI VERDON VERMILLION VERMILLION LAKE VERNON VERNON CENTER VERONA VESTA VICTOR VIDING VIENNA VIKING VILLARD VINELAND VIOLA VIVIAN WAASA WABANA WABEDO WACONIA WACOUTA WADENA WAGNER WAKEFIELD WALCOTT WALDEN WALLS WALNUT LAKE WALTER WALTHAM WALWORTH WANAMINGO WANG WANGER WARD WARREN WARRENTON





WARSAW WASHINGTON WASHINGTON LAKE WASIOJA WASKISH WATAB WATERBURY WATERFORD WATERTOWN WATERVILLE WATOPA WAUKENABO WAUKON WAVERLY WAWINA WEALTHWOOD WEBSTER WEIMER WELCH WELLINGTON WELLS WERGELAND WEST ALBANY WEST BANK WEST HERON LAKE WEST LAKELAND WEST NEWTON WEST UNION WEST VALLEY WESTBROOK WESTERHEIM WESTERN WESTFIELD WESTFORD WESTPORT WESTSIDE WHEATLAND WHEELING WHITE WHITE BEAR WHITE BEAR LAKE WHITE EARTH WHITE OAK WHITE PINE WHITED WHITEFIELD WHITEFORD WHITEWATER WILD RICE WILDWOOD WILKINSON WILLIAMS WILLMAR WILLOW LAKE WILLOW VALLEY WILMA WILMINGTON WILMONT WILSON WILTON WINCHESTER WINDEMERE WINDOM WINDSOR

WINFIELD WING RIVER WINGER WINNEBAGO WINONA WINSOR WINSTED WIRT WISCONSIN WISCOY WOLF LAKE WOLFORD WOLVERTON WOOD LAKE WOODLAND WOODROW WOODS WOODSIDE WOODVILLE WORKMAN WORTHINGTON WRENSHALL WRIGHT WUORI **WYANDOTTE** WYANETT WYKEHAM WYLIE WYOMING YELLOW BANK YORK YOUNG AMERICA YUCATAN ZION **ZUMBRO** 

#### COUNTIES

ZUMBROTA

AITKIN ANOKA BECKER BELTRAMI BENTON **BIG STONE** BLUE EARTH BROWN CARLTON CARVER CASS CHIPPEWA CHISAGO CLAY CLEARWATER COOK COTTONWOOD CROW WING DAKOTA DODGE DOUGLAS FARIBAULT FILLMORE FREEBORN

GOODHUE GRANT HENNEPIN HOUSTON HUBBARD ISANTI ITASCA IACKSON KANABEC KANDIYOHI KITTSON KOOCHICHING LAC QUI PARLE LAKE LAKE OF THE WOODS LE SUEUR LINCOLN LYON MAHNOMEN MARSHALL MARTIN MCLEOD MEEKER MILLE LACS MORRISON MOWER MURRAY NICOLLET NOBLES NORMAN OLMSTED OLMSTED OTTERTAIL PENNINGTON PINE PIPESTONE POLK POPE RAMSEY RED LAKE REDWOOD RENVILLE RICE ROCK ROSEAU SCOTT SHERBURNE SIBLEY ST. LOUIS STEARNS STEELE STEVENS SWIFT TODD TRAVERSE WABASHA WADENA WASECA WASHINGTON WATONWAN WILKIN WINONA WRIGHT YELLOW MEDICINE

#### SCHOOL DISTRICTS

ADA-BORUP ISD-2854 ADRIAN ISD-511 AITKIN ISD-001 AKELEY-HACKENSACK-WALKER ISD-113 ALBANY ISD-745 ALBERT LEA ISD-241 ALBERT LEA-MANKATO ISD-2246 ALBERTA-CHOKIO ISD-771 ALDEN-CONGER ISD-242 **ALEXANDRIA ISD-206** AMBOY-MAPLETON-MINNESOTA LAKE ISD-2135 ANNANDALE ISD-876 ANOKA-HENNEPIN ISD-11 ARROWHEAD REGIONAL COMPUTER CONSORTIUM ASHBY ISD-261 ASKOV-SANDSTONE ISD-2580 ATWATER/COSMOS/GROVE CITY ISD-2396 AUDUBON ISD-21 AURORA/HOYT/BIWABIK ISD-2711 AUSTIN ISD-492 B.O.L.D.-2534 BABBITT-TOWER-ST LOUIS CO ISD-2142 **BACKUS-PINE RIVER ISD-2174** BADGER ISD-676 BAGLEY ISD-162 BALATON ISD-411 **BARNESVILLE ISD-146** BARNUM ISD-91 BATTLE LAKE ISD-542 **BEAVER CREEK-HILLS ISD-671 BECKER ISD-726 BELGRADE ISD-736** BELGRADE/BROOTEN ISD-2364 **BELLE PLAINE ISD-716 BELLINGHAM ISD-371 BEMIDJI ISD-31** BEMIDJI REGIONAL INTERDISTRICT COUNCIL **BENSON ISD-777** BENTON STEARNS COUNTY SPECIAL EDUCATION **BERTHA-HEWITT ISD-786 BIG FALLS - LITTLEFORK ISD-362** BIG LAKE ISD-727 **BIRD ISLAND-OLIVIA ISD-2534** BLACKDUCK ISD-32 **BLOOMING PRAIRIE ISD-756 BLOOMINGTON ISD - 271** BLUE EARTH-WINNEBAGO ISD#2860 BORDER REGION ED DIST ISD-6020 **BOYD-DAWSON ISD-378 BRAHAM ISD-314 BRAINERD ISD-181 BRANDON ISD-207** BRANDON-EVANSVILLE PUBLIC SCHOOLS **BRECKENRIDGE ISD-846 BREWSTER ISD-513** BRICELYN-EASTON-FREEBORN-WELL ISD-2134 **BROOKLYN CENTER ISD-286 BROWERVILLE ISD-787 BROWNS VALLEY ISD-801 BUFFALO ISD-877 BUFFALO LAKE ISD-647 BUFFALO LAKE-HECTOR ISD-2159 BUHL-MOUNTAIN IRON ISD-712 BURNSVILLE ISD-191** 



**BUTTERFIELD ISD-836** BYRON ISD-531 CALEDONIA ISD-299 CAMBRIDGE ISD-911 **CAMPBELL TINTAH ISD-852** CANBY ISD-891 **CANNON FALLS ISD-252** CANTON-MABEL ISD-238 CARLTON ISD-93 CARVER-SCOTT EDUCATIONAL COOP #930 CASS LAKE ISD-115 **CEDAR MOUNTAIN ISD-2754 CENTENNIAL ISD-12** CENTRAL MINNESOTA E R D C CHISAGO LAKES ISD-2144 CHISHOLM ISD-695 CHOKIO ALBERTA ISD-771 **CHOSEN VALLEY ISD-227 CIRCLE PINES ISD-12 CITY ACADEMY ISD-4000** CLARA CITY ISD-2180 CLAREMONT/DODGE CNTR/ CONCORD ISD-2125 CLEARBROOK ISD-161 **CLEVELAND ISD-391** CLIMAX ISD-592 CLINTON-GRACEVILLE-BEARDSLEY ISD-2888 **CLOQUET ISD-94** COKATO-DASSEL ISD-466 **COLD SPRING ISD-750 COLERAINE ISD-316 COLUMBIA HEIGHTS ISD-13 COMFREY ISD-81** COOK COUNTY ISD-166 COSMOS ISD-461 COTTONWOOD-WOOD LAKE ISD-2167 **CROMWELL ISD-95 CROOKSTON ISD-593 CROSBY IRONTON ISD-182** CYRUS ISD-611 DAKOTA COUNTY INTERMEDIATE DIST 917 **DEER RIVER ISD-317 DELANO ISD-879** DETROIT LAKES ISD-22 DETROIT LAKES NW TECH COLLEGE ISD-2200 **DILWORTH-GLYNDON-FELTON ISD-2164** DOVER-EYOTA ISD-533 **DULUTH ISD-709** E CHAIN-GRANADA HUNTLEY ISD-2536 EAGLE BEND ISD-2759 EAST CENTRAL ISD 2580 EAST GRAND FORKS ISD-595 EAST METRO INTERGRATION DISTRICT 6067 EASTERN CARVER COUNTY SCHOOLS ISD-112 EDEN PRAIRIE ISD - 272 **EDEN VALLEY-WATKINS ISD-463** EDGERTON ISD-581 EDINA ISD-273 **ELGIN-MILLVILLE ISD-806** ELK RIVER ISD-728 **ELLSWORTH ISD-514** ELMORE ISD-219 ELY ISD-696 ESKO ISD-99 ESKO PUBLIC SCHOOL - ISD99 ESV REGION V COMPUTER SERVICE

**EVELETH-GILBERT ISD-2154** FAIRFAX-GIBBON-WINTHROP ISD-2365 FAIRMONT/CEYLON ISD-2752 FARIBAULT ISD-656 FARMINGTON ISD-192 FERGUS FALLS ISD-544 FERGUS FALLS SPECIAL EDUCATION 935 FERTILE ISD-599 FISHER ISD-600 FLOODWOOD ISD-698 FOLEY ISD-51 FOREST LAKE ISD-831 FOSSTON ISD-601 FRAZEE-VERGAS ISD-23 FRESHWATER EDUC DIST -6004 FRIDLEY ISD-14 FULDA ISD-505 **GARFIELD ISD 215** GFW ISD-2365 **GLENCOE/SILVER LAKE ISD-2859 GLENVILLE ISD-245 GLENVILLE-EMMONS ISD-2886** GOODHUE COUNTY EDUCATION DISTRICT ISD-60 **GOODHUE ISD-253 GOODRIDGE ISD-561 GRAND MEADOW ISD-495** GRAND RAPIDS ISD-318 GRANITE FALLS-CLARKFIELD-ECHO ISD-2190 GREENBUSH/MIDDLE RIVER ISD-2683 **GREENWAY ISD-316 GRYGLA ISD-447** HALSTAD/HENDRUM ISD-2527 HANCOCK ISD-768 HARMONY/PRESTON/FOUNTAIN ISD-2198 HARTLAND-N RICHLAND-ELLENDALE ISD-2168 HASTINGS ISD-200 HAWLEY ISD-150 HAYFIELD ISD-203 HENDERSON-LE SUEUR ISD-2397 **HENDRICKS ISD-402** HENNEPIN COUNTY ISD-287 **HENNING ISD-545** HERMAN ISD-264 HERMANTOWN ISD-700 HERON LAKE/OKABENA ISD-330 HIAWATHA VALLEY ISD-6013 HIBBING ISD-701 HILL CITY ISD - 2 HILLS BEAVER CREEK ISD-671 HINCKLEY/FINLAYSON ISD-2165 HITTERDAL-ULEN ISD-914 HOLDINGFORD ISD-738 HOPKINS ISD-270 HOUSTON ISD-294 HOWARD LAKE-WAVERLY-WINSTED ISD-2687 HUTCHINSON ISD-423 INFINITY MINNESOTA'S DIGITAL ACADEMY **INTERMEDIATE DISTRICT - 287 INTERNATIONAL FALLS ISD-361 INVER GROVE HEIGHTS ISD-199** ISLE ISD-473 ITASCA AREA SCHOOLS COLABORATIVE **IVANHOE ISD-403** JACKSON COUNTY CENTRAL ISD-2862 JANESVILLE/PEMBERTON/WALDORF ISD-2835

**EVANSVILLE ISD-208** 

#### STATISTICAL SECTION

JEFFERS-STORDEN ISD-178 **IORDAN ISD-717 KASSON-MANTORVILLE ISD-204 KEEWATIN-NASHWAUK ISD-319 KELLIHER ISD-36 KELLOGG-WABASHA ISD-811 KENNEDY ISD-354 KENYON- WANAMINGO ISD-2172 KERKHOVEN-MURDOCK-SUNBURG ISD-775 KIMBALL ISD-739 KINGSLAND PUBLIC SCHOOLS ISD 2137 KITTSON CENTRAL ISD-2171** LA CRESCENT - HOKAH ISD-300 LAC QUI PARLE ISD-2853 LAKE AGASSIZ SPECIAL EDUCATION COOP LAKE BENTON ISD-404 LAKE CITY ISD-813 LAKE COUNTRY SERVICE COOP LAKE COUNTY ISD-381 LAKE CRYSTAL/WELCOME MEMORIAL ISD-2071 LAKE OF THE WOODS ISD-390 LAKE PARK - AUDUBON ISD-2889 LAKE PARK ISD-24 LAKE SUPERIOR ISD-381 LAKES COUNTRY SERVICE COOP LAKEVIEW ISD-2167 **LAKEVILLE ISD-194** LANCASTER ISD-356 LANESBORO ISD-229 LAPORTE ISD-306 LE CENTER ISD-392 LEAF RIVER EDUCATIONAL DISTRICT ISD-6961 LEROY-OSTRANDER ISD-499 **LESTER PRAIRIE ISD-424 LEWISTON ISD-857** LITCHFIELD ISD-465 LITTLE FALLS ISD-482 LITTLEFORK BIG FALLS ISD-362 LONG PRAIRIE/GREY EAGLE ISD-2753 LONSDALE-MONTGOMERY ISD-394 LUVERNE ISD-2184 LYLE ISD-497 LYND ISD-415 MACCRAY ISD 2180 MADELIA ISD-837 MADISON ISD-2853 MADISON JOINT POWERS ISD-6011 MAHNOMEN ISD-432 MAHTOMEDI ISD-832 MANKATO ISD-77 MAPLE LAKE ISD-881 MAPLE RIVER SCHOOLS ISD-2135 MARSHALL COUNTY CENTRAL ISD-441 MARSHALL ISD-413 MARTIN COUNTY WEST ISD 2448 MAZEPPA-ZUMBROTA ISD-2805 MC GREGOR ISD-4 MCLEOD WEST ISD-2887 MEDFORD ISD-763 MEEKER-WRIGHT COUNTY SPECIAL EDUC COOP MELROSE ISD-740 MENAHGA ISD-821 MENTOR ISD-604 METROPOLITAN ECSU REGION II

> Public Employees Retirement Association of Minnesota



MID STATE EDUCATION ISD-6979 MIDWEST SPEC EDUC COOP 398 MILACA ISD-912 MILROY ISD-635 MINNEAPOLIS SPECIAL ISD-1 MINNEOTA ISD-414 **MINNESOTA RIVER VALLEY ISD-993** MINNESOTA VALLEY COOP CENTER MINNESOTA VALLEY EDUCATIONAL DISTRICT **MINNETONKA ISD-276** MINNEWASKA AREA ISD-2149 MONTEVIDEO ISD-129 MONTICELLO ISD-882 **MOORHEAD ISD-152** MOOSE LAKE ISD 97 MORA ISD-332 MORGAN/FRANKLIN ISD-2754 MORRIS ISD-769 MORRISTOWN ISD-657 MOUNDS VIEW ISD-621 **MOUNTAIN LAKE ISD-173** MURRAY COUNTY CENTRAL ISD-2169 NASHWAUK-KEEWATIN ISD-319 NETT LAKE ISD-707 NEVIS ISD-308 **NEW LONDON-SPICER ISD-345 NEW PRAGUE ISD-721** NEW ULM ISD-88 **NEW YORK MILLS ISD-553** NICOLLET ISD-507 NORTH BRANCH ISD-138 NORTH CENTRAL SERVICE COOPERATIVE 5 NORTH COUNTRY VOCATIONAL COOP CENTER NORTH ST PAUL-MAPLEWOOD ISD-622 NORTHEAST EDUC COOP SERVICE UNIT NORTHEAST METRO INTERMEDIATE ISD-916 NORTHFIELD ISD-659 NORTHLAND LEARNING CENTER NORTHWEST MINNESOTA SERVICE COOP NORTHWEST REGIONAL INTERDISTRICT NORTHWEST SERVICE COOPERATIVE NORWOOD-YOUNG AMERICA ISD-108 NW SUB INTEGRATION SCHOOL DIST- 6078 **OGILVIE ISD-333 OKLEE ISD-627 ONAMIA ISD-480 ORONO ISD-278 ORTONVILLE ISD-2903 OSAKIS ISD-213** OSSEO ISD-279 **OWATONNA ISD-761** PARK RAPIDS ISD-309 PARKERS PRAIRIE ISD-547 **PAYNESVILLE ISD-741** PELICAN RAPID ISD-548 PEOUOT LAKES ISD-186 PERHAM/DENT ISD-549 PETERSON-RUSHFORD ISD-239 PIERZ ISD-484 PILLAGER ISD-116 PINE CITY ISD-578 PINE CITY TECH COLLEGE ISD-579 PINE ISLAND ISD-255 PINE POINT EXP SCH 25

PIPESTONE/JASPER ISD-2689 PLAINVIEW-ELGIN-MILLVILLE SCHOOLS PLUMMER ISD-628 **PRINCETON ISD-477** PRINSBURG-COMMON ISD-815 PRIOR LAKE ISD-719 PROCTOR ISD-704 **RANDOLPH ISD-195 RAYMOND ISD-346 RED LAKE FALLS ISD-630 RED LAKE ISD-38** RED RIVER VALLEY VOCATIONAL COOP CTNR **RED WING ISD-256 REDROCK CENTRAL ISD-2884 REDWOOD FALLS ISD-2758 REGION I REMER ISD-118 RENVILLE COUNTY WEST DIST. 2890 RESOURCE TRAINING AND SOLUTIONS RICHFIELD ISD-280 RIVER BEND ISD-6049 ROBBINSDALE ISD-281 ROCHESTER ISD-535 ROCKFORD ISD-883** ROOT RIVER EDUC DIST 6042 **ROSEAU ISD-682 ROSEMOUNT ISD-196 ROTHSAY ISD-850 ROUND LAKE ISD-516 ROYALTON ISD-485 RTR PUBLIC SCHOOLS RUNESTONE AREA LEARNING CENTER 6014 RUSH CITY ISD-139 RUSSELL ISD-418 RUTHTON ISD-584** SARTELL ISD-748 SAUK CENTRE ISD-743 SAUK CENTRE WEST EDUCATION ISD-6026 SAUK RAPIDS ISD-47 SEBEKA ISD-820 SHAKOPEE ISD-720 SHERBURNE-TRIMONT-WELCOME ISD-2448 SIBLEY EAST ISD-2310 SIOUX VALLEY ISD-328 SLAYTON-CHANDLER-LAKE WILSON ISD-2169 SLEEPY EYE ISD-84 SOUTH CENTRAL SERVICE COOPERATIVE SOUTH KOOCHICHING - RAINY RIVER ISD-363 SOUTH ST PAUL SPECIAL ISD -6 SOUTH WASHINGTON COUNTY ISD-833 SOUTHEAST SERVICE COOPERATIVE SOUTHLAND ISD-500 SOUTHWEST METRO EDUCATIONAL COOP 6088 SPRING GROVE ISD-297 SPRING LAKE PARK ISD-16 SPRING VALLEY ISD-237 SPRINGFIELD ISD-85 ST ANTHONY ISD-282 ST CHARLES ISD-858 ST CLAIR ISD-75 ST CLOUD ISD-742 ST FRANCIS ISD-15

ST JAMES ISD-840

PINE TO PRAIRIE COOP CENTER

ST LOUIS COUNTY ISD-710 ST LOUIS PARK ISD-283 ST MICHAEL-ALBERTVILLE ISD-885 ST PAUL ISD-625 ST PETER ISD-508 STAPLES/MOTLEY ISD-2170 STATE COMMUNITY COLLEGES STEPHEN/ARGYLE ISD-2856 STEWARTVILLE ISD-534 STILLWATER ISD-834 SW & W CENTRAL EDUC SERVICE SWANVILLE ISD-486 THIEF RIVER FALLS ISD-564 TRACY AREA SCHOOL DIST ISD-2904 TRACY ISD-417 TRI CITY UNITED ISD 2905 TRI DISTRICT ISD-6067 TRI-COUNTY SCHOOLS ISD-2358 **TRUMAN ISD-458** TWIN VALLEY/GARY ISD-2215 TYLER ISD-409 UNDERWOOD ISD-550 UNITED SOUTH CENTRAL SCHOOLS **UPSALA ISD-487** VALLEY & LAKES ISD-6001 VERNDALE ISD-818 VIKING COOPERATIVE CENTER #945 VIRGINIA ISD-706 WABASHA-KELLOGG ISD-811 WABASSO ISD-640 WACONIA ISD-110 WADENA ISD-2155 WADENA-DEER CREEK ISD-2155 WALNUT GROVE ISD-641 WARREN ALVARADO OSLO ISD-2176 WARREN ISD-2176 WARROAD ISD-690 WASECA COUNTY COOPERATIVE CENTER WASECA ISD-829 WASIOJA EDUCATION TECHNOLOGY COOPÉRATIVE WATERTOWN MAYER ISD-111 WATERVILLE-ELYSIAN-MORRISTOWN ISD-2143 WAUBUN ISD-435 WAUBUN OGEMA WHITE EARTH ISD-435 WAYZATA ISD-284 WEST CENTRAL AREA ISD-2342 WEST METRO EDUCATION PROGRAM WEST ST PAUL ISD-197 WESTBROOK WALNUT GROVE SCHOOLS ISD 2898 WESTONKA ISD-277 WHEATON ISD-803 WHITE BEAR LAKE ISD-624 WILLMAR ISD-347 WILLOW RIVER ISD-577 WINDOM ISD-177 WIN-E-MAC ISD-2609 WINONA ISD-861 WORTHINGTON ISD-518 WRENSHALL ISD-100 WRIGHT TECHNICAL CENTER ISD-966 YELLOW MEDICINE EASTSCHOOLS ISD-2190 ZUMBRO ISD-6012



#### CHARTER SCHOOLS

ACADEMIA CESAR CHAVEZ CHARTER SCHOOL ACADEMIC ARTS HIGH SCHOOL ACADEMY OF BIOSCIENCE ACADEMY OF NORTH MINNEAPOLIS ISD 4197 ACHIEVE LANGUAGE ACADEMY AGRICULTURAL & FOOD SCIENCES ACADEMY ARCADIA ARCH ACADEMY CHARTER SCHOOL ASPEN ACADEMY AUGSBURG ACADEMY FOR HEALTH CAREERS AURORA CHARTER SCHOOL AVALON SCHOOL BEACON ACADEMY BEACON PREPARATORY BEST ACADEMY BIRCH GROVE COMMUNITY SCHOOL BLUESKY CHARTER SCHOOL **BLUFFVIEW MONTESSORI ISD-4001** BRIGHT WATER ELEMENTARY CHARTER SCHOOL CANNON RIVER STEM SCHOOL **CEDAR-RIVERSIDE COMMUNITY ISD-4004** CENTRAL CHARTER SCHOOL **CENTRAL MINNESOTA DEAF SCHOOL ISD-4022** CHIRON CHARTER SCHOOL - 4096 CITY ACADEMY CHARTER SCHOOL ISD-4000 CLARKFIELD AREA CHARTER SCHOOL COLLEGE PREP ELEMENTARY COLOGNE CHARTER SCHOOL COLONEL CHARLES YOUNG MILITARY ACADEMY COMMUNITY OF PEACE ACADEMY ISD - 4015 COMMUNITY SCHOOL OF EXCELLENCE CONCORDIA CREATIVE LEARNING ACADEMY CORNERSTONE MONTESSORI ELEMENTARY SCHOOL CROSSLAKE COMMUNITY SCHOOL CYBER VILLAGE ACADEMY ISD-4025 CYGNUS ACADEMY DAKOTA ACADEMY CHARTER SCHOOL DAKOTA AREA COMMUNITY SCHOOL DISCOVERY PUBLIC SCHOOL FARIBAULT DISCOVERY WOODS MONTESSORI SCHOOL DUGSI ACADEMY CHARTER SCHOOL **DULUTH ACADEMY ISD-4020** EAGLE RIDGE ACADEMY CHARTER SCHOOL EAST RANGE ACADEMY OF TECH & SCIENCE ECHO CHARTER SCHOOL ECI NOMPA WOONSPE CHARTER SCH ISD-4028 EL COLEGIO CHARTER SCHOOL ELOM INTERNATIONAL ACADEMY EMILY CHARTER ISD-4012 EMILY GREY ACCELERATED CHARTER SCHOOL EXCELL ACADEMY F SCOTT FITZGERALD WRITING ACADEMY FACE TO FACE ACADEMY FAMILY ACADEMY CHARTER SCHOOL FORT SNELLING ACADEMY FOUR DIRECTIONS CHARTER SCHOOL FRASER ACADEMY FREDERICK DOUGLASS ACADEMY ISD-4010 FREEDOM ACADEMY CHARTER SCHOOL FRIENDSHIP ACADEMY OF FINE ARTS GENERAL JOHN VESSEY LEADERSHIP ACADEMY **GLACIAL HILLS ELEMENTARY** GLOBAL ACADEMY

GREAT EXPECTATIONS SCHOOL GREAT RIVER EDUCATION CENTER GREAT RIVER SCHOOL GREEN ISLE COMMUNITY SCHOOL HANSKA CHARTER SCHOOL HARBOR CITY INTERNATIONAL CHARTER SCHOOL HARVEST PREPARATORY ACADEMY HEART OF THE EARTH CENTER, AM INDIAN ED HENNEPIN ELEMENTARY SCHOOL HIAWATHA LEADERSHIP ACADEMY HIGH SCHOOL FOR THE RECORDING ARTS HIGHER GROUND ACADEMY - 4027 HMONG ACADEMY CHARTER SCHOOL HOPE COMMUNITY ACADEMY HOPKINS ONLINE ACADEMY INTERNATIONAL SPANISH LANGUAGE ACADEMY JANE GOODAL EARTH SCIENCES ACADEMY JENNINGS EXPERIENTIAL HIGH SCHOOL KALEIDOSCOPE CHARTER SCHOOL KIPP STAND ACADEMY LA CRESCENT MONTESSORI ACADEMY LAFAYETTE PUBLIC CHARTER SCHOOL LAKE SUPERIOR HIGH SCHOOL LAKES AREA CHARTER SCHOOL LAKES INTERNATIONAL LANGUAGE ACADEMY LAURA JEFFREY ACADEMY LEARNING ADVENTURES MIDDLE SCHOOL LEARNING FOR LEADERSHIP CS LIBERTY HIGH CHARTER SCHOOL LIGHTHOUSE ACADEMY OF NATIONS LINCOLN INTERNATIONAL CHARTER SCHOOL LIONSGATE ACADEMY LONG TIENG ACADEMY LOVEWORKS ACADEMY VISUAL & PERFORM ARTS MAIN ST SCHOOL OF PERFORMING ARTS MARTIN HUGHES CHARTER ISD-4040 MARY MCEVOY EARLY LITERACY ACADEMY MASTERY SCHOOL MATH AND SCIENCE ACADEMY METRO DEAF SCHOOL INC. METRO TECH ACADEMY **MEXICA MULTICULTURAL EDUCATION - 4060** MILROY CHARTER SCHOOL MINISINAAKWAANG LEADERSHIP ACADEMY MINNEAPOLIS ACADEMY MINNEAPOLIS COLLEGE PREPARATORY SCHOOL MINNESOTA ACADEMY OF TECHNOLOGY MINNESOTA BUSINESS ACADEMY MINNESOTA INTERNATIONAL MIDDLE SCHOOL MINNESOTA INTERNSHIP CENTER MINNESOTA NORTH STAR ACADEMY MINNESOTA ONLINE HIGH SCHOOL MINNESOTA SCHOOL OF SCIENCE **MINNESOTA TRANSITIONS ISD-4017** NASHA SHKOLA CHARTER SCHOOL NATIVE ARTS HIGH SCHOOL NATURAL SCIENCE ACADEMY NAYTAHWAUSH COMMUNITY SCHOOL NERSTRAND ELEMENTARY SCHOOL NEW CENTURY CHARTER SCHOOL NEW CITY CHARTER SCHOOL NEW COUNTRY CHARTER SCHOOL NEW DISCOVERIES MONTESSORI ACADEMY **NEW HEIGHTS CHARTER ISD-4003** NEW MILLENNIUM ACADEMY NEW SALEM ACADEMY

#### <u>STATISTICAL SECTION</u>

**NEW VISIONS CHARTER ISD-4011** NEW VOYAGE ACADEMY CHARTER SCHOOL NOBLE ACADEMY NORTH LAKES ACADEMY NORTH SHORE COMMUNITY SCHOOL NORTH STAR ACADEMY NORTHERN LIGHTS COMMUNITY SCHOOL NORTHWEST PASSAGE HIGH SCHOOL NOVA CLASSICAL ACADEMY **ODYSSEY CHARTER ISD 4030 ODYSSEY CHARTER ISD-4030 OSHKI OGIMAAG CHARTER SCHOOL** PACT CHARTER ISD - 4008 PAIDEIA ACADEMY PARNASSUS PREPARATORY SCHOOL PARTNERSHIP ACADEMY PEAKS CHARTER DIST 4033 PEAKS CHARTER SCHOOL FARIBAULT PILLAGER AREA CHARTER SCHOOL PINE GROVE LEADERSHIP ACADEMY PRAIRIE CREEK COMMUNITY SCHOOL PRAIRIE SEEDS ACADEMY PRESTIGE ACADEMY PRODEO ACADEMY QUEST ACADEMY RECOVERY SCHOOL OF SOUTHERN MINNESOTA **RED WING ENVIRONMENTAL** LEARNING CTR **RICHARD ALLEN MATH &** SCIENCE ACADEMY RIDGEWAY COMMUNITY SCHOOL **RIGHT STEP ACADEMY** RIVERBEND ACADEMY **RIVER'S EDGE ACADEMY** RIVERWAY LEARNING COMMUNITY ROCHESTER CHARTER HIGH SCHOOL ROCHESTER MATH AND SCIENCE ACADEMY SAGE ACADEMY CHARTER SCHOOL SCHOOLCRAFT LEARNING COMMUNITY SEVEN HILLS CLASSICAL ACADEMY SKILLS FOR TOMORROW HIGH SCHOOL ISD-4006 SKILLS FOR TOMORROW JR HIGH ISD-4037 SOBRIETY HIGH SCHOOL SOIOURNER TRUTH ACADEMY CHARTER SCHOOL SOUL ACADEMY SOUTHSIDE FAMILY CHARTER ISD 4162 SPECTRUM HIGH SCHOOL ST CROIX PREPARATORY ACADEMY ST PAUL CITY SCHOOL ISD 4029 ST PAUL CONSERVATORY PERFORMING ARTISTS STEP ACADEMY ISD 4200 STONEBRIDGE COMMUNITY SCHOOL STRIDE ACADEMY STUDIO ACADEMY SUCCESS ACADEMY ISD-4023 SUMMIT SCHOOL FOR THE ARTS ISD-4024 SWAN RIVER MONTESSORI CHARTER SCHOOL TAREK IBN ZIYAD ACADEMY

> Public Employees Retirement Association of Minnesota



#### TEAM ACADEMY

THE DAVINCI ACADEMY OF ARTS AND SCIENCE **TOIVOLA-MEADOWLANDS CHARTER ISD-4002** TREKNORTH HIGH SCHOOL TRIO WOLF CREEK DISTANCE LEARNING PROG TWIN CITIES ACADEMY TWIN CITIES GERMAN IMMERSION SCHOOL TWIN CITIES INTERNATIONAL ELEMENTARY UBAH MEDICAL ACADEMY UPPER MISSISSIPPI ACADEMY URBAN ACADEMY CHARTER SCHOOL VENTURE ACADEMY CHARTER SCHOOL VERITAS ACADEMY VERMILION COUNTRY SCHOOL VILLAGE SCHOOL OF NORTHFIELD ISD-4021 VOYAGEURS EXPEDITIONARY HIGH SCHOOL WATERSHED HIGH SCHOOL WAYNEWOOD SCHOOL OF HOPE WEST CONCORD PUBLIC CHARTER SCHOOL WEST SIDE SUMMIT CHARTER SCHOOL WILLIAM MCGEE INSTITUTE OF TECH WOODSON INSTITUTE FOR EXCELLENCE WORLD LEARNER CHARTER ISD-4016 WORTHINGTON AREA LANGUAGE ACADEMY YANKTON COUNTRY SCHOOL YING HUA ACADEMY

#### HOSPITALS/NURSING HOMES

ADAMS HEALTH CARE CENTER APPLETON MUNICIPAL HOSPITAL BATTLE LAKE NURSING HOME BELVIEW PARKVIEW HOME CHIPPEWA COUNTY HOSPITAL CLARA CITY CARE CENTER CLARKFIELD CARE CENTER CLEARWATER COUNTY HOSPITAL COOK COUNTY HOSPITAL COOK HOSPITAL DODGE COUNTY FAIRVIEW NURSING HOME DOUGLAS COUNTY HOSPITAL ELLSWORTH PARKVIEW MANOR NURSING HOME FAIRWAY VIEW SENIOR COMMUNITY FERTILE FAIR MEADOW NURSING HOME FIRSTLIGHT HEALTH SYSTEMS KANABEC CTY GRAND VILLAGE GRANITE FALLS HOSPITAL AND MANOR HAYFIELD FIELD CREST CARE CENTER HENNEPIN HEALTHCARE SYSTEM HERITAGE LIVING CENTER (PARK RAPIDS) HUTCHINSON AREA HEALTH CARE

JANESVILLE NURSING HOME LAKE CITY NURSING HOME LAKEFIELD MUNICIPAL HOSPITAL LAKEVIEW HOME

LAMBERTON VALLEY VIEW MANOR LITTLEFORK MEDICAL CENTER MEEKER COUNTY HOSPITAL MENAHGA NURSING HOME MULTI COUNTY NURSING SERVICE



Public Employees Retirement Association of Minnesota MURRAY COUNTY MEMORIAL HOSPITAL NEW RICHLAND CARE CENTER NORMAN-MAHNOMEN PUBLIC HEALTH NORTHFIELD HOSPITAL ORTONVILLE HOSPITAL PHEASANT COUNTRY HOME CARE PIPESTONE COUNTY MEDICAL CENTER REDWOOD AREA HOSPITAL **REGIONS HOSPITAL - MAIL STOP RIVERS EDGE HOSPITAL & CLINIC** SLEEPY EYE HOSPITAL SPRINGFIELD MEDICAL CENTER ST PAUL RAMSEY CLINIC SUNNYSIDE NURSING HOME SWIFT COUNTY BENSON HOSPITAL TRIMONT HEALTH CARE CENTER ULEN VIKING MANOR WILLMAR RICE MEMORIAL HOSPITAL WINDOM AREA HOSPITAL

#### PRIVATIZED EMPLOYERS

ALLINA RICE COUNTY DISTRICT 1 HOSPITAL BENEDICTINE LIVING COMMUNITY OF ST PETER BRIDGES MEDICAL CENTER CANNON FALLS MED CENTER - MAYO HEALTH CEDARVIEW CARE CENTER CHRIS JENSEN NURSING HOME LLC CORNERSTONE NURSING & REHAB CENTER FAIR OAKS LODGE GLENCOE REGIONAL HEALTH CENTER HUTCHINSON AREA HEALTH CARE LAKE COUNTY SUNRISE HOME LAKEFIELD COLONIAL NURSING HOME LAKELAND MEDICAL CENTER LAKESIDE HEALTH CARE CENTER OAK TERRACE HEALTH CARE CENTER PAYNESVILLE AREA HEALTH CARE SYSTEM PENNINGTON COUNTY, OAKLAND PARK NURSING **RENVILLE HEALTH SERVICES RIDGEVIEW MEDICAL CENTER** SANFORD HOSPITAL, LUVERNE SANFORD REGIONAL HOSPITAL, WORTHINGTON SIBLEY MEDICAL CENTER ST. MICHAEL'S HOSPITAL ST PAUL ARENA COMPANY SUNRISE NURSING HOME TRAVERSE CARE CENTER VIRGINIA REGIONAL MEDICAL CENTER WEINER HOSPITAL, CITY OF MARSHALL WILLMAR MEDICAL SERVICES LLP WHEATON HOSPITAL

#### MISCELLANEOUS

ACHIEVE SERVICES INCORPORATED ADAMS AREA AMBULANCE SERVICE AFSCME COUNCIL 5 AFSCME COUNCIL 65 AFTERBURNER RESTAURANT DULUTH AITKIN COUNTY SWCD ALEXANDRIA LAKE AREA SANITARY DISTRICT ANOKA COUNTY SWCD AREA II MINNESOTA RIVER BASIN PRODUCTS ARROWHEAD LIBRARY SYSTEM ARROWHEAD REGIONAL COMPUTING ARROWHEAD REGIONAL CORRECTIONS ARROWHEAD REGIONAL DEVELOPMENT COMMISSION ASKOV RESCUE ASSOCIATION OF MINNESOTA COUNTIES BATTLE LAKE AREA LANDFILL ASSOCIATION BATTLE LAKE MOTOR PATROL ASSOCIATION BEAR VALLEY WATERSHED DISTRICT BECKER COUNTY SWCD BECKER JOINT POWERS FIRE BOARD BELLE CREEK WATERSHED DISTRICT BELTRAMI COUNTY SWCD BEMIDJI AREA JOINT PLANNING BOARD BEMIDJI RURAL ANIMAL CONTROL ORG BEMIDJI-BELTRAMI AIRPORTS COMMISSION BENTON COUNTY SWCD BIG STONE COUNTY SWCD BLUE EARTH COUNTY SWCD BLUE EARTH RIVER BASIN INITIATIVE BOARD OF PUBLIC DEFENDERS BOIS DE SIOUX WATERSHED DISTRICT BOVEY COLERAINE TREATMENT PLANT COMMISSION BRAHAM-MILACA JOINT POWERS BD BROWN COUNTY SWCD BROWNS CREEK WATERSHED DISTRICT BUFFALO CREEK WATERSHED DISTRICT BUFFALO-RED RIVER WATERSHED DISTRICT CALLAWAY OGEMA POLICE DEPARTMENT JPB CAPITOL REGION WATERSHED DISTRICT CARLTON COUNTY SWCD CARLTON-COOK-LAKE-ST LOUIS COMM HITH BD CARNELIAN-MARINE WATERSHED DISTRICT CARVER COUNTY SWCD CASS COUNTY SWCD CCLNS JOINT POWERS BOARD #3 CEDAR RIVER EDUC SERVICE COOP CEDAR RIVER WATERSHED DISTRICT CEDARVIEW CARE CENTER CENTENNIAL LAKES POLICE DEPT CENTRACARE HEALTH SYSTEM -SAUK CENTRE CENTRAL LAKES REGION SANITARY DISTRICT CENTRAL MINNESOTA MUNICIPAL POWER AGENCY **CENTRAL MINNESOTA SWCD - CLUSTER 5** CENTRAL ST CROIX VALLEY CABLE CHIPPEWA COUNTY SWCD CHIPPEWA RIVER WATERSHED PROJECT CHISAGO COUNTY SWCD CHISAGO LAKES JOINT SEWAGE TREATMENT COM CHISHOLM-HIBBING AIRPORT AUTHORITY CHRIS JENSEN NURSING HOME LLC CITY EMPLOYEES' UNION 363 CLAY COUNTY SWCD CLEAR LAKE/CLEARWATER SEWER AUTHORITY

CLEARWATER COUNTY SWCD CLEARWATER RIVER WATERSHED DISTRICT CLOQUET AREA FIRE DISTRICT COMFORT LAKE FOREST LAKE WD COMMUNITY ACTION OF MINNEAPOLIS COOK COUNTY SWCD COOK COUNTY/GRAND MARAIS JOINT EDA COOKS VALLEY WATERSHED DISTRICT COON CREEK WATERSHED DISTRICT CORMORANT LAKES WATERSHED DISTRICT CORRECTIONS AGENCY COTTONWOOD COUNTY SWCD COTTONWOOD-JACKSON HEALTH SERVICE CROOKED CREEK WATERSHED DISTRICT **CROOKSTON HOUSING & ECON** DEVELOPMENT AUTHORITY CROW RIVER ORGANIZATION OF WATER CROW RIVER RECREATION DEPARTMENT CROW RIVER SPECIAL EDUCATION COOP CROW WING COUNTY SWCD DAKOTA COMMUNICATIONS CENTER DAKOTA COUNTY SWCD DELAVIN-EASTON PUBLIC SAFETY DEPT OF MILITARY AFFAIRS DODGE COUNTY SWCD DOUGLAS COUNTY SWCD DOVER-EYOTA ST CHARLES SANITARY DISTRICT DULUTH AIRPORT AUTHORITY DULUTH SEAWAY PORT AUTHORITY EAST CENTRAL COOPERATIVE CENTER EAST CENTRAL REGIONAL DEVELOPMENT COMM EAST CENTRAL REGIONAL LIBRARY EAST OTTER TAIL COUNTY SWCD EAST POLK COUNTY SWCD EAST RANGE JOINT POWERS BOARD EDUCATION MINNESOTA EFSD JOINT RECREATION BOARD ELGIN VOLUNTEER AMBULANCE SERVICE ELKO NEW MARKET WASTE WATER UTILITY BD ELLENDALE AMBULANCE SERVICE ESSENTIA HEALTH VIRGINIA LLC ESSENTIAL HEALTH PLAN JOINT POWERS BOARD EVELETH ECONOMIC DEVELOPMENT AUTHORITY EVELETH VIRGINIA AIRPORT AUTHORITY EXCELSIOR FIRE DISTRICT FARIBAULT COUNTY SWCD FARWELL KENSINGTON SANITARY DISTRICT FILLMORE COUNTY SWCD FOREST LAKE CABLE COMMISSION FREEBORN COUNTY SWCD GARRISON-KATHIO SANITARY DISTRICT GEMS SANITARY DISTRICT GLENWOOD JOINT POWER SCH DIST GOODHUE COUNTY SWCD GOVERNMENT TRAINING SERVICES GRANT COUNTY SWCD GREAT RIVER REGIONAL LIBRARY GREENWAY JOINT RECREATION ASSOCIATION GROVE CITY ECONOMIC DEVELOPMENT AUTH HARMONY AMBULANCE SERVICE HAWK CREEK WATERSHED PROJECT HAWLEY AREA EMS JPB HAYFIELD COMM AMBULANCE HEADWATER NUTRITION PROJECT

HEADWATERS REGIONAL DEVELOPMENT COMM HENNEPIN SOIL & WATER CONSERVATION DIST HERON LAKE WATERSHED DISTRICT HIGH ISLAND CREEK WATERSHED DISTRICT HIGHLAND VOCATIONAL HOWA FAMILY CENTER TEST UNIT HUBBARD COUNTY SWCD HUMAN SERVICE BOARD MARTIN-FARIBAULT CO HUMAN SERVICES OF FARIBAULT & MARTIN CO I 494 CORRIDOR COMMISSION IMPACK 6 JOINT POWERS BOARD INTERNATIONAL FALLS AMBULANCE SERVICE INTERNATIONAL UNION OPERATING ENGINEERS ISANTI AREA JOINT OPERATING FIRE DISTRIC ISANTI CONSERVATION DISTRICT ISANTI COUNTY SWCD ITASCA COUNTY SWCD JACKSON COUNTY SWCD JOE RIVER WATERSHED DISTRICT JOINT POWERS WATER BOARD KANABEC COUNTY ECONOMIC DEVELOPMENT COM KANABEC COUNTY SWCD KANDIYOHI AREA TRANSIT KAT KANDIYOHI COUNTY SWCD KANDIYOHI-WILLMAR ECONOMIC DEVELOPMENT KITCHIGAMI REGIONAL LIBRARY KITTSON COUNTY SWCD KITTSON-MARSHALL COUNTY RURAL WATER SYST KOOCHICHING COUNTY DEVELOPMENT AUTHORITY KOOCHICHING COUNTY SWCD LAC OUI PARLE COUNTY EDA LAC QUI PARLE COUNTY SWCD LAC QUI PARLE/YELLOW BANK WATERSHED LAKE AGASSIZ REGIONAL LIBRARY LAKE CITY AMBULANCE SERVICE LAKE COUNTY SWCD LAKE JOHANNA FIRE DEPARTMENT LAKE MINNETONKA COMMUNICATION COMMISSION LAKE MINNETONKA CONSERVATION DISTRICT LAKE OF THE WOODS COUNTY SWCD LAKE OF THE WOODS EDA LAKES AREA RECREATION LAKES AREA POLICE LAKEVIEW CEMETERY ASSOCIATION LAKEVILLE ARENAS LEAGUE OF MINNESOTA CITIES LEECH LAKE BAND OF OJIBWE LESUEUR CO SOIL & WATER CONSERVATION LINCLN/LYON/MRRAY/PIPESTN PUBLIC HEALTH LINCOLN COUNTY SWCD LITCHFIELD RESCUE SQUAD LOCAL 132 LOGIS LONG LAKE CONSERVATION CENTER LOW INCOME ENERGY ASSISTANCE LOWER MINNESOTA RIVER WATERSHED DISTRICT LOWER SIOUX COMMUNITY POLICE DEPARTMENT LOWER ST CROIX FIRE DEPARTMENT JPB LUVERNE ECONOMIC DEVELOPMENT AUTHORITY LYLE-MAPLEVIEW PUBLIC SAFETY DEPARTMENT LYON COUNTY SWCD MAHNOMEN COUNTY SWCD

#### <u>Statistical Section</u>

MAHNOMEN HEALTH CENTER JPB MAPE MARSHALL COUNTY SWCD MARSHALL- POLK COUNTY RURAL WATER SYSTEM MARSHALL-BELTRAMI COUNTY SWCD MARTIN COUNTY SWCD MARTIN-FARIBAULT CO PRAIRIELAND WASTE BD MCLEOD COUNTY SWCD MEEKER COUNTY SWCD MELROSE AMBULANCE SERVICE METRO WASTE CONTROL COMMISSION METRONET METROPOLITAN AIRPORTS COMMISSION METROPOLITAN CABLE NETWORK METROPOLITAN COUNCIL **METROPOLITAN ECSU REGION 11** METROPOLITAN LIBRARY SERVICE AGENCY METROPOLITAN MOSOUITO CONTROL DISTRICT METROPOLITAN SPORTS FACILITY COMMISSION MIDDLE FORK CROW RIVER W DISTRICT MIDDLE RIVER/SNAKE RIVER WD MID-MINNESOTA DEVELOPMENT COMMISSION MILLE LACS MILLE LACS COUNTY SWCD MILLE LACS TRIBAL POLICE MINNEAPOLIS YOUTH COOR BOARD MINNEHAHA CREEK WD MINNESOTA BALLPARK AUTHORITY MINNESOTA COUNTIES COMPUTER COOPERATIVE MINNESOTA COUNTIES INT TRUST MINNESOTA FCCLA MINNESOTA INTER-COUNTY ASSOCIATION MINNESOTA MUNICIPAL UTILITIES ASSOC MINNESOTA RIVER SOURCE JPB MINNESOTA STATE SHERIFFS ASSOCIATION MINNESOTA TEAMSTER PUBLIC & LAW #320 MINNESOTA VALLEY REGIONAL LIBRARY MINNESOTA VALLEY TRANSIT AUTHORITY MISSISSIPPI WATERSHED MANAGEMENT ORGANIZATION MOOSE LAKE-WINDEMERE MORRISON COUNTY SWCD MOTOR PATROL ASSOCIATION MOWER COUNTY SWCD MURRAY CO ECONOMIC DEVELOPMENT AUTHORITY MURRAY COUNTY SWCD NASHWAUK AMBULANCE SERVICE NICOLLET COUNTY SWCD NICOLLET COUNTY TRI-CITY JOINT POWERS BD NINE MILE CREEK WATERSHED DISTRICT NOBLES COUNTY SWCD NORMAN COUNTY SWCD NORTH CENTRAL MINNESOTA SWCD JPB NORTH COUNTRY LIBRARY COOPERATIVE NORTH FORK CROW RIVER WATERSHED DISTRICT NORTH KITTSON COUNTY RWS NORTH METRO MAYORS ASSOCIATION NORTH METRO TELECOMMUNICATIONS NORTH SHORE COLLABORATIVE JPB

> Public Employees Retirement Association of Minnesota

NORTH ST LOUIS SWCD NORTH SUBURBAN ACCESS CHANNELS NORTHEAST MINNESOTA OFFICE JOB TRAINING NORTHERN DAKOTA COUNTY CABLE COMMISSION NORTHERN LIGHTS LIBRARY NETWORK NORTHERN MUNICIPAL POWER AGENCY NORTHWEST REGIONAL DEVELOPMENT COMM NORTHWEST REGIONAL LIBRARY NORTHWEST SUBURBAN CABLE COMMUN COMM NORTHWESTERN JUVENILE CENTER NW HENNEPIN HUMAN SERVICES COUNCIL OKEBENA-OCHEDA WATERSHED DISTRICT OLMSTED COUNTY SWCD OTTER TAIL COUNTY WATER MANAGMENT DIST PACT 4 FAMILIES COLLABORATIVE PELICAN RIVER WD PENNINGTON COUNTY SWCD PENNINGTON-RED LAKE COUNTY NURSING SERVI PIKE LAKE AREA WASTEWATER COLLECTION SYS PINE COUNTY SWCD PINE RIVER AREA SANITARY DISTRICT PIONEERLAND LIBRARY SYSTEM PIPESTONE COUNTY SWCD PLAINVIEW AMBULANCE SERVICE PLAINVIEW-ELGIN SANITARY DISTRICT PLUM CREEK LIBRARY SYSTEM POLICE DEPT OF SHERBURN AND WELCOME POPE COUNTY SWCD PRAIRIE ISLAND INDIAN COMMUNITY PRAIRIE LAKES MUNICIPAL SOLID WASTE PRAIRIE LAKES YOUTH PROGRAMS PRIME WEST HEALTH SYSTEM JPB PRIOR LAKE-SPRING LAKE WD PROJECT PEACE PUBLIC EMPLOYEES RETIREMENT ASSOCIATION PUBLIC SAFETY DEPT AMBOY AND VERNON CENT QUAD CITIES CABLE COMMISSION QUAD CITIES ECONOMIC DEVELOPMENT AUTHOR QUAD CITY COOPERATIVE RAINBOW RIDER TRANSIT BOARD RAMSEY CONSERVATION DISTRICT RAMSEY WASHINGTON METRO WATERSHED DIST RAMSEY-WASHINGTON SUBURBAN CABLE COMM RANGE ASSOCIATION OF MUNICIPALITIES RED LAKE COUNTY SWCD RED LAKE WD RED RIVER VALLEY CONSERVATION SRVC AREA RED RIVER WATERSHED MANAGEMENT RED ROCK RURAL WATER SYSTEM REDWOOD COUNTY SWCD REDWOOD-COTTONWOOD RIVERS CONTROL AREA **REGION 4 ADULT MENTAL HEALTH CONSORTIUM** REGION FIVE DEVELOPMENT COMMISSION REGION IX DEVELOPMENT COMMISSION **REGION V DEVELOPMENT COMMISSION** REMER AMBULANCE SERVICE RENVILLE COUNTY SWCD RICE COUNTY SWCD RICE CREEK WD RICE-STEELE CONSOLIDATED DISPATCH RICH PRAIRIE SEWER AND WATER DISTRICT RILEY-PURGATORY-BLUFF CREEK WD

ROCK COUNTY SWCD ROOT RIVER SOIL & WATER CONSERVATION DIS ROSEAU COUNTY SWCD ROSEAU RIVER WATERSHED DISTRICT RUNESTONE COOPERATIVE CENTER RUSH LAKE AREA SD SAND HILL RIVER WATERSHED DISTRICT SAUK CENTRE WD SCOTT COUNTY SWCD SCOTT JOINT CITY PROSECUTION SERPENT LAKE SANITARY SEWER DISTRICT SERVICE EMPLOYEES INTERNATIONAL UNION SHELL ROCK RIVER WATERSHED DISTRICT SHERBURNE COUNTY SWCD SIBLEY COUNTY SWCD SLEEPY EYE AMBULANCE SERVICE SO WASHINGTON COUNTY CABLE COMMISSION SOUTH CENTRAL EMS JPB SOUTH CENTRAL MINNESOTA INTERLIBRARY EXC SOUTH CENTRAL TECHNICAL SERVICE AREA SOUTH COUNTRY HEALTH ALLIANCE SOUTH EASTERN FARIBAULT COUNTY POLICE SOUTH LAKE MINNETONKA POLICE DEPT SOUTH METRO FIRE DISTRICT SOUTH ST LOUIS COUNTY SWCD SOUTH TWO RIVER WATERSHED DISTRICT SOUTH WASHINGTON WATERSHED DISTRICT SOUTHEAST SWCD TECH SUPPORT JPB SOUTHERN MN MUNICIPAL POWER AGENCY SOUTHERN PLAINS EDUCATION CO-OP SOUTHWEST HEALTH & HUMAN SERVICES SOUTHWEST MINNESOTA **BROADBAND SERVICES** SOUTHWEST TRANSIT SPICER EDA SPIRIT MOUNTAIN RECREATIONAL AUTHORITY SPRING GROVE AMBULANCE CORP SPRING LAKE PARK FIRE JPB ST BONIF/MINNESTRISTA POLICE COMMISSION ST CLOUD AREA PLAN ORGANIZATION ST CLOUD METRO TRANSIT COMMISSION ST LOUIS & LAKE COUNTY **REGIONAL RAILROAD** ST PAUL PORT AUTHORITY STATE SUPREME COURT JUDICIAL DISTRICT STEARNS BENTON EMPLOYMENT TRAINING COUNC STEARNS COUNTY SWCD STEELE COUNTY SWCD STEVENS COUNTY SWCD STMA ARENA JPB STOCKTON-ROLLINGSTONE-MINNESOTA CITY WD SW MULTI-CO INTERLIB EXCHG SW REGIONAL DEVEL COMM SWIFT CO RURAL DEVELOPMENT AUTHORITY SWIFT COUNTY SWCD THE RURAL FIRE ASSOCIATION THIEF RIVER FALLS REGIONAL

AIRPORT AUTH

RIVER RIDER TRANSIT SERVICE

ROCK COUNTY RWS

THIRTY LAKES WATERSHED DISTRICT THREE RIVERS PARK DISTRICT TIES TODD COUNTY SWCD TOWER/BREITUNG WASTEWATER BOARD TOWNSHIP MAINTENANCE ASSOCIATION TRAILBLAZER JOINT POWERS BOARD TRAVERSE CARE CENTER TRAVERSE COUNTY SWCD TRAVERSE DES SIOUX REGIONAL LIBRARY TRI COUNTY COMMUNITY CORRECTIONS TRI COUNTY HEALTH SERVICES TRI-CITY BIOSOLIDS DISPOSAL AUTHORITY TRI-CITY CABLE TV TSES PLANNING TURTLE CREEK WD TWO RIVERS WD UNITED AUTO WORKERS UNIVERSITY OF MINNESOTA UPPER MINNESOTA RIVER WD UPPER MINNESOTA VALLEY REG DEVELOPMENT COMM UPPER SIOUX COMMUNITY UTILITIES PLUS VADNAIS LAKE AREA VALLEY BRANCH WATERSHED DISTRICT VIKING LIBRARY SYSTEM VIRGINIA ECOMOMIC DEVELOPMENT AUTHORITY WABASHA COUNTY SWCD WADENA COUNTY SWCD WADENA COUNTY TRANSIT WARROAD WATERSHED DISTRICT WASECA CO SOIL & WATER CONSERVATION DIST WASECA COUNTY SWCD WASECA-LE SUEUR REGIONAL LIBRARY WASHINGTON SWCD WATONWAN COUNTY SWCD WEST CENTRAL AREA AGENCY ON AGING WEST HENNEPIN PUBLIC SAFETY DEPARTMENT WEST METRO FIRE-RESCUE DISTRICT WEST OTTERTAIL COUNTY SWCD WEST POLK COUNTY SWCD WESTERN AREA CITY & COUNTY COOPERATIVE WESTERN LAKE SUPERIOR SANITARY DISTRICT WHITE BEAR LAKE CONSERVATION DISTRICT WHITE EARTH TRIBAL PUBLIC SAFETY WHITEWATER WATERSHED PROJECT JPB WILD RICE WATERSHED DISTRICT WILKIN COUNTY SWCD WILLMAR MEDICAL SERVICES LLP WINONA COUNTY SWCD WORTHINGTON CABLE 3 JOINT POWERS BOARD YELLOW MEDICINE COUNTY SWCD YELLOW MEDICINE RIVER WD ZIMMERMAN LIVONIA FIRE DISTRICT ZUMBROTA AREA AMBULANCE

ASSOCIATION



## THIS PAGE LEFT BLANK INTENTIONALLY.

