

2016

COMPREHENSIVE ANNUAL FINANCIAL REPORT

For the Year Ended December 31, 2016

State of Wisconsin
Department of Employee Trust Funds



2016

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State of Wisconsin Department of Employee Trust Funds
Cindy Klimke-Armatoski, Chief Trust Financial Officer and Controller

Wisconsin Department of Employee Trust Funds
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Madison, WI 53707-7931
1-877-533-5020
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State of Wisconsin
Department of Employee Trust Funds

ET-8501

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INTRODUCTORY SECTION

State of Wisconsin
Department of Employee Trust Funds





STATE OF WISCONSIN
Department of Employee Trust Funds
Robert J. Conlin
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December 6, 2017

GOVERNOR SCOTT WALKER
MEMBERS OF THE STATE LEGISLATURE
PUBLIC EMPLOYEES, EMPLOYERS AND OTHER INTERESTED PARTIES:

I am pleased to present the Comprehensive Annual Financial Report (CAFR) of the Wisconsin Department of Employee Trust Funds (ETF) for the year ended December 31, 2016. This report provides comprehensive information about ETF, the Wisconsin Retirement System (WRS), and other benefit plans and trust funds administered by ETF.

Responsibility for the accuracy of the data and the fairness and completeness of this presentation, including all disclosures, rests with the management of the ETF. To the best of our knowledge, the enclosed information is accurate in all material respects and is reported in a manner designed to provide a fair representation of the financial position and results of the operations of ETF.

The Legislative Audit Bureau (LAB) has issued an unmodified (“clean”) opinion on the financial statements for the year ended December 31, 2016. The independent auditors’ report is located at the beginning of the Financial Section of this CAFR.

“Management’s Discussion and Analysis” (MD&A) immediately follows the independent auditors’ report and provides a narrative introduction, overview and analysis of the financial statements. The MD&A complements this letter of transmittal and should be read in conjunction with it.

Historical Overview

The WRS was created effective January 1, 1982. The system covers state and local public employees, including faculty and staff of the University of Wisconsin System, local police and firefighters, and all publicly-employed teachers in the state. Those not included are employees of the City of Milwaukee and Milwaukee County, who are covered under separate retirement systems. Pension coverage for local government employees has been in place since 1891, when the legislature required Milwaukee to create a pension fund for retired and disabled police and firefighters. The legislature has since extended pension coverage to other public employees, along with creating group life and health insurance programs.

The Group Insurance Board (GIB) was created in 1959 to monitor the administration of the life and health insurance programs. In 1967, the Department of Employee Trust Funds was created to administer the various retirement and related benefit programs.

Currently, the WRS is composed of 29% state employees and 71% local employees. As of December 31, 2016, the WRS had 257,285 active employees, 197,647 annuitants (retirees, disability, and beneficiaries), and 167,191 inactive employees with deferred benefits payable.

ETF Mission and Responsibilities

ETF's mission is "to develop and deliver quality benefits and services to our customers while safeguarding the integrity of the Trust." ETF administers retirement, health, life, income continuation, long-term disability, and long-term care insurance programs, along with an employee reimbursement accounts program, commuter benefits program, and a deferred compensation plan. ETF also administers retirement disability coverage and serves as the state's designated coverage agent for Social Security for Wisconsin public employers. There are five different statutory boards with responsibilities for programs operated by the Department. The ETF Board is both the overall governing body for the Department and the general policy-setting and trustee board for the WRS.

All insurance programs are administered through contractual arrangements with private sector insurance firms and service corporations. Participation by eligible employees is mandatory for retirement and Social Security but optional for the other programs. ETF collects but does not invest the trust fund monies created for these programs. That responsibility rests with the State of Wisconsin Investment Board (SWIB).

ETF is responsible for:

- Collecting all monies due the trust funds.
- Calculating and ensuring appropriate disbursement of all benefit payments from the trust funds.
- Providing information to, and answering inquiries from, participating employees and employers.
- Establishing the controls, systems, and procedures necessary to ensure the appropriate administration and security of the trust.

Funding Status

PENSION PLAN

The funded status of the WRS is the measure of the extent to which the system has accumulated enough assets to pay the benefits earned by participants. The funded ratio is the ratio of plan assets to estimated future liabilities. The assets can be measured using either the current fair value of assets or a smoothed funding value of assets. The fair value measurement gives a more timely measurement, but can be extremely volatile. The funding value measurement, where gains or losses are smoothed over a five-year period, is less representative of current fair value, but better presents the funding trends without the year-to-year volatility.

The WRS continues to be one of the best-funded public employee retirement systems in the country. A well-funded system ensures that a lifetime of benefits can be paid to today's workers without burdening the next generation of taxpayers with higher contributions. The financial strength of the WRS is attributable to its unique plan design, funding discipline at the state and local level, strong governance, and the effective investment strategies of the SWIB.

The funding value-based ratio of the WRS remains nearly 100% as of December 31, 2016. The fair value-based ratio, calculated in accordance with standards recently issued by the Governmental Accounting Standards Board, is 99.1%. This is an increase from 98.2%, and was primarily the result of higher market returns in 2016 compared to 2015.

OTHER EMPLOYEE BENEFIT PLANS

The funded status of the Health Insurance Plan is a measure of the extent to which the system has accumulated enough assets to pay the benefits earned by participants, meet the liquidity needs of the plan, and smooth year-to-year volatility in claims. Funded status is measured as the ratio of reserves to annual expenses.



INTRODUCTORY SECTION

Both the State and Local Health Plan include fully-insured Health Maintenance Organization Plans, a self-insured fee-for-service “Standard Plan”, a self-insured Pharmacy Benefit Plan and a self-insured Dental Benefit Plan. The ratio of reserves to annual expenses of the various plans as of December 31, 2016, was:

State Standard Plan	159%
State Pharmacy Benefit Plan	29%
State Dental Benefit Plan	(2%)
Local Standard Plan	5%
Local Pharmacy Benefit Plan	44%
Local Dental Benefit Plan	(9%)

2016 was the first year of the self-insured Dental Benefit Plan. Considering the negative fund balance and projected future claims, the GIB approved a 4.3% premium rate increase at its August 2017 meeting.

Please refer to Note 9 and the Statistical Section for the funding status of other employee benefit plans.

Investments

At December 31, 2016, the total assets of the Core and Variable investment portfolios was \$99.8 billion, an increase from \$94.7 billion at December 31, 2015. The increase was due to positive investment returns caused by more favorable market conditions in 2016 compared to 2015.

Legislative Initiatives

During 2016, there was no legislation enacted that affected the WRS and the employee benefit programs administered by ETF.

Administration

ETF’s administration of the WRS continues to make it one of the most cost-efficient systems in terms of administrative expenses per member. In a recent public pension fund administration benchmarking study conducted by industry leader CEM Benchmarking, Inc., the annual per-member administrative expenses associated with the retirement and disability programs was \$67 for the WRS, compared to the median per-member cost of \$90 for peer retirement systems. ETF employs one full-time equivalent staff person per 1,761 members, compared to the peer system median of one per 1,446 members.

Acknowledgements

I would like to express my appreciation to the Governor, members of the legislature, members of the boards, staff, employers, participants, and all those whose efforts and interest combine to ensure the successful operation of our system, while protecting the integrity of the trust funds.

Sincerely,

Robert J. Conlin
Secretary

Cindy Klimke-Armatoski
Chief Trust Financial Officer



Public Pension Coordinating Council

***Public Pension Standards Award
For Funding and Administration
2016***

Presented to

Wisconsin Department of Employee Trust Funds

In recognition of meeting professional standards for
plan funding and administration as
set forth in the Public Pension Standards.

Presented by the Public Pension Coordinating Council, a confederation of

National Association of State Retirement Administrators (NASRA)
National Conference on Public Employee Retirement Systems (NCPERS)
National Council on Teacher Retirement (NCTR)



Alan H. Winkle
Program Administrator



ETF BOARDS AND DEPARTMENT ORGANIZATION

The individuals who serve on the boards that provide oversight for the Department of Employee Trust Funds (ETF) play important roles. Board decisions affect hundreds of thousands of individuals who participate in the retirement programs funded by the trust funds as well as other fringe benefit programs ETF operates for Wisconsin.

This section explains how board membership is determined and how membership overlaps. Under state law, members of the boards are chosen in a variety of ways. Some members are ex-officio, some are direct appointees of the governor, others are appointed to fixed terms from lists submitted to the governor by specified organizations, and still others are directly elected by active participants or retirees.

The members and officers of each board are listed below, along with a short explanation of board responsibilities. Membership on the boards as of May 1, 2016, is as follows:

Employee Trust Funds Board (13 Members)

This board has general oversight of ETF; appoints the ETF Secretary; approves tables used for computing benefits, contribution rates and actuarial assumptions; authorizes all annuities except for disability; approves or rejects ETF administrative rules; and generally oversees administration of the benefit programs, except group insurance and deferred compensation. State law sets ETF Board membership criteria, with some members appointed by the Teachers Retirement Board (TR Board) and the Wisconsin Retirement Board (WR Board). The ETF Board has established three committees to assist the Board in fulfilling its fiduciary and oversight responsibilities: an Executive Committee, an Audit Committee and a Budget and Operations Committee. The Executive Committee oversees the effective operation of Board and other Committee meetings and reviews personnel matters relating to the Department and the Secretary. The Audit Committee reviews the adequacy and effectiveness of the Department's system of internal controls, including those relating to information technology systems, and the Department's

accounting and financial reporting systems. The Budget and Operations Committee reviews the biennial budget process and the Department's operating budget, as well as the Department's strategic business and information technology planning activities.

BOARD MEMBERS

Chair: Wayne E. Koessl

Appointed by the WR Board. WR Board member appointed under § 15.16 (3)(b) 1,2,4,5 or 8 (chief executive, finance officer or member of a governing body of a participating city or village, county clerk, deputy county clerk, chairperson, or member of the governing body of a participating county or town, or public member who is not a participant).

Vice Chair: John David

Appointed by Wisconsin Retirement Board. Any WR Board member appointed under § 15.161(1)(b).

Secretary: Robert M. Niendorf

Appointed by the TR Board. TR Board member appointed under § 15.16 (3)(a)4 (UW teacher participant).

William Ford

Elected by WRS annuitants. WRS annuitant as defined for purposes other than life insurance under § 40.02 (4). § 15.16 (1)(d)

Michael Langyel

Appointed by the TR Board. TR Board member elected under § 15.165 (3)(a)7 (City of Milwaukee teacher participant). § 15.165 (1)(a)3

Leilani Paul

Elected by educational support personnel. WRS participant who is either a public school district educational support employee or a technical college district educational support employee. § 15.16 (1)(f)

Roberta Rasmus

Appointed by the TR Board. TR Board member appointed under § 15.16 (3)(a)3 or 5 (public school administrator or school board member). § 15.16 (3)(a)5

Stacey Rolston

Administrator in Department of Administration, Division of Personnel Management or Administrator's designee. § 15.16 (1) (intro.)

Victor Shier

Appointed by Governor, with Senate confirmation. Public member who is not a participant in or beneficiary of the WRS, with at least five years of experience in actuarial analysis, administration of an employee benefit plan, or significant administrative responsibility in a major insurer. § 15.16 (1)(c)

Mary Von Ruden

Appointed by the WR Board. WR Board member appointed under §15.16 (3)(b)3,6, or 7 (participating employee of a city or village, participating employee of a local employer other than a city or village or participating state employee). § 15.16 (1)(b)2

David Wiltgen

Appointed by TR Board. TR Board member appointed or elected under § 15.165 (3)(a) 1 or 2 (public or vocational school teacher).

Bob Ziegelbauer

Governor or the Governor's designee on the Group Insurance Board. § 15.16 (1) (intro.)

Vacant

Appointed by Wisconsin Retirement Board. Wisconsin Retirement Board member appointed under § 15.165 (3)(b) 7 or 8 (participating state employee or public member who is not a participant). § 15.16 (1)(b) 3

Wisconsin Retirement Board (9 Members)

The WR Board advises the ETF Board on matters relating to retirement; approves or rejects administrative rules; authorizes or terminates disability benefits for non-teachers; and hears appeals of disability rulings. This board appoints four members to the ETF Board and one non-teaching member to the State of Wisconsin Investment Board.

BOARD MEMBERS**Chair: Wayne E. Koessl**

Appointed by the Governor from a list of five names submitted by the executive committee of the Wisconsin Counties Association. Chairperson or member of the governing body of a participating county or town, and from a different county than subds. 5 & 6. § 15.165 (3)(b)4

Vice Chair: John David

Appointed by the Governor from a list of five names submitted by the Board of Directors of the League of Wisconsin Municipalities. Chief executive or member of the governing body of a participating city or village and from a different county than subds. 2 & 3. § 15.165 (3)(b)1

Secretary: Mary Von Ruden

Appointed by the Governor. Participating employee from a participating local employer other than a city or village and from a different county than subds. 4 & 5. § 15.165 (3)(b)6

Ted Nickel

Ex officio; Commissioner of Insurance or an experienced actuary in the Office of the Commissioner designated by the Commissioner. § 15.165 (3)(b)9

Herbert Stinski

Appointed by the Governor. Participating employee and principal finance officer of a participating city or village and from a different county than subds. 1 & 3. § 15.165 (3)(b)2

Julie Wathke

Appointed by the Governor. County clerk or deputy county clerk from a participating county different than subds. 4 & 6. § 15.165 (3)(b)5



INTRODUCTORY SECTION

Steven Wilding

Appointed by the Governor. Participating employee of a participating city or village and from a different county than subds. 1 & 2. § 15.165 (3)(b)3

Vacant

Appointed by the Governor. Public member who is not a participant or beneficiary of the WRS. § 15.165 (3)(b)8

Vacant

Appointed by the Governor. Participating state employee. § 15.165 (3)(b)7

Teachers Retirement Board (13 Members)

The TR Board advises the ETF Board on retirement and other benefit matters involving public school, technical college, state and university teachers; acts on administrative rules and authorizes or terminates teacher disability benefits and hears disability benefit appeals. Nine of the 13 members are elected. This board appoints four members to the ETF Board and one teacher participant to the State of Wisconsin Investment Board.

BOARD MEMBERS**Chair: Robin Starck**

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1

Vice Chair: R. Thomas Pedersen

Elected by participating Wisconsin Technical College teachers. Public school teacher from a participating Wisconsin Technical College district and a participating employee in the WRS. § 15.165 (3)(a)2

Secretary: Brent Grochowski

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1

Sandra Clafin-Chalton

Appointed by the Governor. UW teacher participant in the WRS (not from same campus as other UW teacher representative). § 15.165 (3)(a)4

Gary Epping

Appointed by the Governor. Member of a school board. § 15.165 (3)(a)5

Chris Heller

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1

Craig Hubbell

Appointed by the Governor. Public school administrator who is not a classroom teacher. § 15.165 (3)(a)3

Jon Joslin

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1

Dennis Murphy

Elected by annuitants who were teacher participants. Annuitant who was a teacher participant in the WRS. § 15.165 (3)(a)6

Allison Pratt

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1

David Schalow

Appointed by the Governor. UW teacher participant in the WRS (not from same campus as other UW teacher representative). § 15.165 (3)(a)4

Kim Schroeder

Elected by Milwaukee Public School District teachers who are participants. City of Milwaukee teacher who is a participant in the WRS. § 15.165 (3)(a)7

David Wiltgen

Elected by public school teachers. Public school teacher. § 15.165 (3)(a)1



Group Insurance Board (11 Members)

This board sets policy for the group health, life, and income continuation insurance plans for state employees and the group health, life, and income continuation insurance plans for local employers who choose to offer them. The board also can provide other insurance plans, if employees pay the entire premium.

BOARD MEMBERS**Chair: Vacant****Vice Chair: Bonnie Cyganek**

Ex officio; Attorney General or Attorney General's designee. § 15.165 (2)

Secretary: Michael Farrell

Appointed by the Governor. No membership requirement. § 15.165 (2)

Terri Carlson

Appointed by the Governor. Insured participant in the WRS who is not a teacher. § 15.165 (2)

Herschel Day

Appointed by the Governor. Insured participant in the WRS who is a teacher. § 15.165 (2)

Charles Grapentine

Appointed by the Governor. Insured participant in the WRS who is a retired employee. § 15.165 (2)

Michael Heifetz

Ex officio; Secretary of Department of Administration or Secretary's designee. § 15.165 (2)

Theodore Neitzke

Appointed by the Governor. Insured participant in the WRS who is an employee of a local unit of government. § 15.165 (2)

Stacey Rolston

Ex officio; Administrator in Department of Administration, Division of Personnel Management or Administrator's designee. § 15.165 (2)

Daniel Schwartz

Ex officio; Commissioner of Insurance or Commissioner's designee. § 15.165 (2)

Nancy Thompson

Appointed by the Governor. Chief executive or member of the governing body of a local unit of government that is a participating employer. § 15.165 (2)

Bob Ziegelbauer

Ex officio; Governor or Governor's designee. § 15.165 (2)(intro)

Deferred Compensation Board (5 Members)

This board sets policy, contracts with investment and administrative service providers, and oversees administration of the Deferred Compensation Program. The board is responsible for establishing criteria and procedures for selecting and evaluating investment options offered by the Program. The governor, with senate confirmation, appoints all board members; there are no statutory requirements for appointments.

BOARD MEMBERS**Chair: Edward D. Main**

Appointed by the Governor, with Senate confirmation. § 15.165 (4)

Vice Chair: John F. Nelson

Appointed by the Governor, with Senate confirmation. § 15.165 (4)

Secretary: Gail Hanson

Appointed by the Governor, with Senate confirmation. § 15.165 (4)

Arthur Zimmerman

Appointed by the Governor, with Senate confirmation. § 15.165 (4)

Vacant

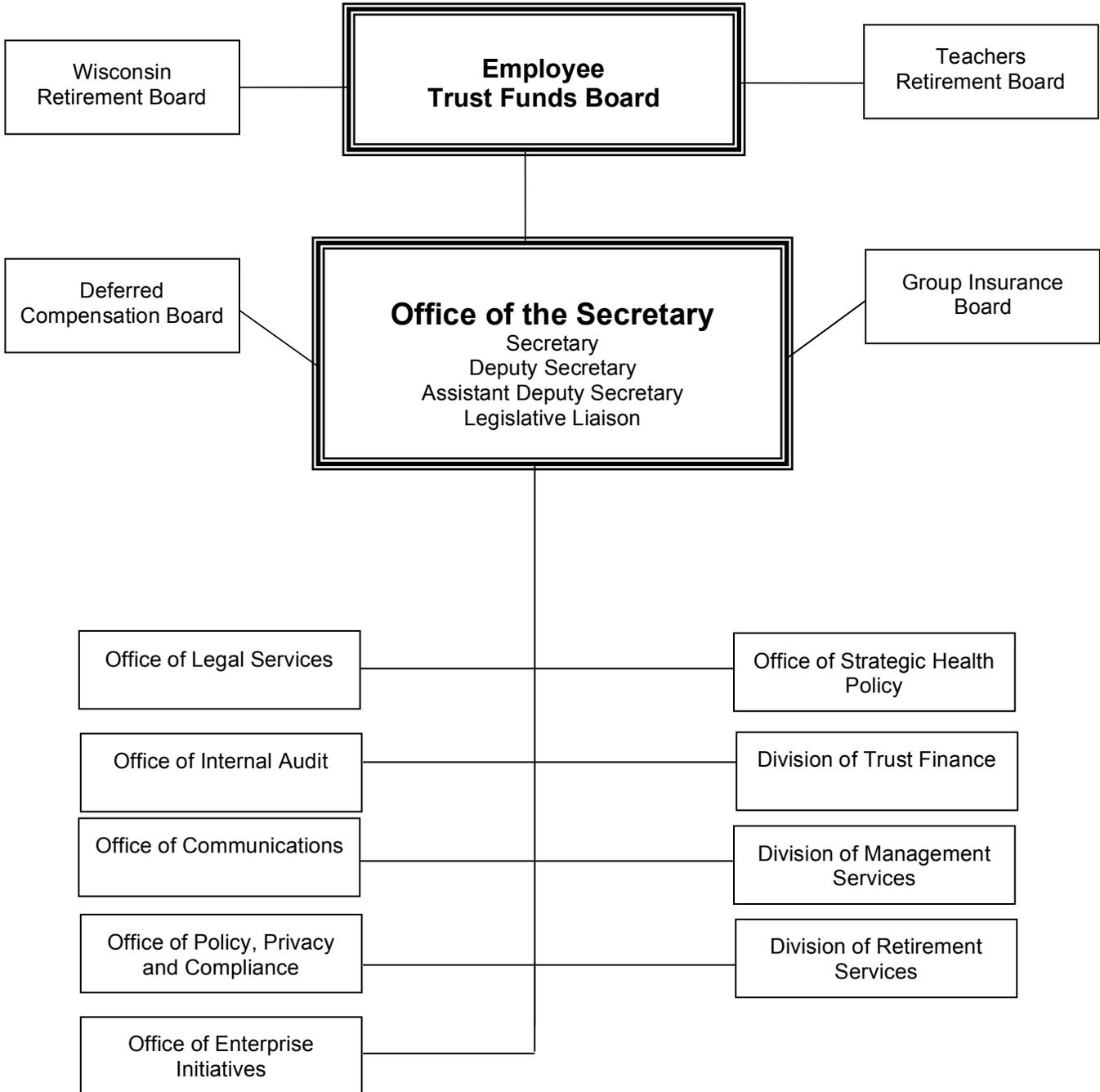
Appointed by the Governor, with Senate confirmation. § 15.165 (4)



INTRODUCTORY SECTION

Department Organization

The Department of Employee Trust Funds had 264.2 permanent positions at the end of 2016. The Department's organization chart is shown below:





2016 ETF Management Staff

Secretary: Robert J. Conlin
Deputy Secretary: John Voelker
Assistant Deputy Secretary: Pamela Henning

Division of Retirement Services
Administrator: Matt Stohr

Division of Management Services
Administrator: Dana Perry

Division of Trust Finance
Administrator: Cindy Klimke-Armatoski

Office of Strategic Health Policy
Director: Lisa Ellinger

Office of Internal Audit
Director: Yikchau Sze

Office of Communications
Director: Mark Lamkins

Office of Policy, Privacy & Compliance
Director: Steve Hurley

Office of Enterprise Initiatives
Director: Bob Martin

Office of Legal Services
Director: David Nispel

Principal Consultants and Administrators

Consulting Actuaries

Gabriel Roeder Smith & Company
Southfield, Michigan

Segal Consulting
Atlanta, Georgia

Milliman, Inc.
Portland, Maine

Auditors

Legislative Audit Bureau
Madison, Wisconsin

Third Party Administrators

Health Insurance

WPS Health Insurance
Madison, Wisconsin

Pharmacy Benefits Manager

Navitus Health Solutions
Appleton, Wisconsin

Dental

Delta Dental
Stevens Point, Wisconsin

Income Continuation Insurance and Long-Term Disability Insurance

Aetna Life Insurance Company
Aetna Disability and Leave Management
Lexington, Kentucky

Deferred Compensation

Empower Retirement
Greenwood Village, Colorado

Employee Reimbursement Accounts Program and Commuter Benefits

Total Administrative Services Corporation (TASC)
Madison, Wisconsin

Life Insurance

Securian
St. Paul, Minnesota

FINANCIAL SECTION

State of Wisconsin
Department of Employee Trust Funds



**STATE OF WISCONSIN | Legislative Audit Bureau**22 East Mifflin St., Suite 500 ■ Madison, WI 53703 ■ (608) 266-2818 ■ Hotline: 1-877-FRAUD-17 ■ www.legis.wisconsin.gov/labJoe Chrisman
State Auditor**Independent Auditor's Report on the Financial Statements and
Other Reporting Required by *Government Auditing Standards***

Senator Robert Cowles and
Representative Samantha Kerkman, Co-Chairpersons
Joint Legislative Audit Committee

Members of the Employee Trust Funds Board and
Mr. Robert J. Conlin, Secretary
Department of Employee Trust Funds

Report on the Financial Statements

We have audited the accompanying Statement of Fiduciary Net Position, Statement of Changes in Fiduciary Net Position, and the related notes for the following fiduciary funds administered by the State of Wisconsin Department of Employee Trust Funds (ETF) as of and for the year ended December 31, 2016: the Wisconsin Retirement System, Duty Disability Insurance, Accumulated Sick Leave Conversion Credits, State Retiree Life Insurance, Local Retiree Life Insurance, Employee Reimbursement Accounts and Commuter Benefits, Milwaukee Retirement Systems, State Retiree Health Insurance, and Local Retiree Health Insurance. In addition, we have audited the accompanying Statement of Net Position; Statement of Revenues, Expenses, and Changes in Fund Net Position; Statement of Cash Flows; and the related notes for the following proprietary funds administered by ETF as of and for the year ended December 31, 2016: Long-Term Disability Insurance, Health Insurance, Income Continuation Insurance, and Life Insurance.

Management's Responsibility for the Financial Statements

Management of ETF 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 control 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 opinions 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*, which is issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.



FINANCIAL SECTION

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 control relevant to the entity'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 the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of the 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 opinions on these financial statements.

Opinions

In our opinion, the financial statements present fairly, in all material respects, the financial position of each fiduciary fund and each proprietary fund referred to in the first paragraph as of December 31, 2016, and the respective changes in the financial position and, where applicable, cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphases of Matter

As discussed in Note 1 to the financial statements, the financial statements referred to in the first paragraph present only the fiduciary and proprietary funds administered by ETF and do not purport to, and do not, present fairly the financial position of the State of Wisconsin as of December 31, 2016, the changes in its financial position, or where applicable, its cash flows for the year then ended, in accordance with accounting principles generally accepted in the United States of America.

As discussed in Note 2 to the financial statements, ETF implemented Governmental Accounting Standards Board (GASB) Statement Number 72, *Fair Value Measurements and Application*, which addresses accounting and reporting issues related to fair value measurements.

As discussed in Note 3 to the financial statements, the financial statements include investments that do not have readily ascertainable market prices and are valued based on a variety of third-party pricing methods. However, because of the inherent uncertainty of valuation, those estimated values may differ from the values that would have been used had a ready market for the investments existed.

Our opinions are not modified with respect to these matters.

Other Matters

Required Supplementary Information—Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis on pages 18 through 28, and the following information found on pages 80 through 90 be presented to supplement the financial statements: claims development information for public entity risk pools; the Wisconsin Retirement System's Schedules of Changes in Net Pension Liability (Asset) and

Related Ratios, Schedule of Employer Contributions, and Schedule of Investment Returns, which include the related notes; and the Other Post-Employment Benefits Schedule of Funding Progress and Schedule of Employer Contributions. Such information, although not a part of the financial statements, is required by GASB, which considers it to be essential for placing the financial statements in an appropriate operational, economic, or historical context. In accordance with auditing standards generally accepted in the United States of America, we have applied certain limited procedures to the required supplementary information that included inquiries of management about the methods of preparing the information. We further compared the information for consistency with management's responses to our inquiries, the financial statements, and other knowledge we obtained during our audit of the 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 do so.

Accompanying Information—Our audit was conducted for the purpose of forming opinions on the financial statements referred to in the first paragraph. The supplementary information included in the sections listed in the table of contents entitled Introductory Section, Statistical Section, Actuarial Section, Investment Section, and Contributions Paid and Employer Unfunded Liability Balances is presented for purposes of additional analysis and is not a required part of the financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued a report dated December 6, 2017, on our consideration of ETF's internal control over financial reporting; our tests of its compliance with certain provisions of laws, regulations, and contracts; 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 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 used when considering ETF's internal control over financial reporting and compliance.

LEGISLATIVE AUDIT BUREAU



Joe Chrisman
State Auditor

December 6, 2017



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MANAGEMENT'S DISCUSSION AND ANALYSIS

Management of the Wisconsin Department of Employee Trust Funds (ETF) presents this discussion and analysis of the financial activities for the year ended December 31, 2016. This narrative is intended to supplement the financial statements which follow, and should be read in conjunction with the note disclosures which are an integral part of the financial statements.

ETF administers a defined benefit pension trust and other employee benefit plans for over 622,000 members, retirees, and beneficiaries.

Overview of the Financial Statements

The following discussion and analysis is intended to serve as an introduction to ETF's financial statements. The financial statements include:

1. Statement of Fiduciary Net Position
2. Statement of Changes in Fiduciary Net Position
3. Statement of Net Position – Proprietary Funds
4. Statement of Revenues, Expenses, and Changes in Fund Net Position – Proprietary Funds
5. Statement of Cash Flows – Proprietary Funds
6. Statement of Fiduciary Net Position – Agency Funds
7. Statement of Changes in Fiduciary Net Position – Agency Funds
8. Notes to Financial Statements

Funds are categorized as Fiduciary or Proprietary based on the purpose and activities of the fund.

Fiduciary Funds are used to report assets held by ETF as trustee for others and is responsible for handling the assets placed under its control. The Fiduciary Funds reported by ETF include: Wisconsin Retirement System (WRS), Duty Disability Insurance, Accumulated Sick Leave Conversion Credits, State Retiree Life Insurance,

Local Retiree Life Insurance, Employee Reimbursement Accounts/Commuter Benefits, and Milwaukee Retirement Systems.

The activities in the Proprietary Funds operate similar to a private business. Fees are charged for services provided, and the focus is on determining financial position, operating and non-operating income, cash flows, and changes in net position. The Proprietary Funds reported by ETF include: Long-Term Disability Insurance, Active Member Health Insurance, Income Continuation Insurance, and Life Insurance.

Agency Funds are Fiduciary Funds where the assets of the fund are held for distribution by the Department as an agent for which ETF has custodial responsibility and accounts for the flow of assets. The Agency Funds reported by ETF include: State Retiree Health Insurance and Local Retiree Health Insurance.

Financial Statements

The Statement of Net Position provides a snapshot of account balances at a point in time. 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 Held in Trust for Pension Benefits and Pool Participants" for Fiduciary Funds and "Net Position – Restricted (Unrestricted) for Benefits" for Proprietary Funds, represents the value of assets held in trust for future benefit payments.

The Statement of Changes in Fiduciary Net Position for Fiduciary Funds and The Statement of Revenues, Expenses, and Changes in Fund Net Position – Proprietary Funds displays the effect of financial transactions that occurred during the calendar year. For Fiduciary funds, Additions less Deductions equals the Net Increase (or Net Decrease) in Net Position. For Proprietary Funds, Revenues less Expenses equals the Change in Net Position. This Net Increase (or Decrease) reflects the change in the value of Net Position that occurred between the current and prior year.



FINANCIAL SECTION

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 reported in the financial statements. The Notes describe the accounting and administrative policies under which ETF operates, significant account balances and activities, material risks, obligations, contingencies and subsequent events, if any.

The Required Supplementary Information includes:

- Public Entity Risk Pools Claims Development
- Schedule of Changes in Net Pension Liability (Asset) and Related Ratios-WRS
- Schedule of Employer Contributions-WRS
- Schedule of Investment Returns-WRS
- Schedule of Funding Progress-Other Post-Employment Benefits
- Schedule of Employer Contributions-Other Post-Employment Benefits

The financial statements and related notes are prepared in accordance with Generally Accepted Accounting Principles established by the Governmental Accounting Standards Board (GASB).

Financial Highlights

- Overall Net Position of all Funds increased by \$4.2 billion or 4.65% from \$89.8 billion in 2015 to \$94.0 billion in 2016. This was primarily a result of higher returns on investments due to more favorable market conditions in 2016. See Net Position by Program table below.
- Total Additions/Revenues for 2016 were \$11.0 billion which consisted mostly of contributions of \$3.4 billion and investment gains of \$7.6 billion.
- Total Deductions/Expenses for 2016 increased by 1.7% from \$6.7 billion in 2015 to \$6.8 billion in 2016 due to an increase in the number of benefit recipients.
- The WRS funding ratio under the funding methodology used to establish required contributions continues to be nearly 100% as of December 31, 2016. Under the GASB financial reporting method, the WRS is 99.1% funded as of December 31, 2016.
- As of December 31, 2016, the WRS had a net pension liability of \$824 million compared to \$1.625 billion as of December 31, 2015. The decrease of approximately \$801 million is primarily attributable to higher returns on investments due to stronger market conditions in 2016. Total Pension Liability increased from \$90.1 million in 2015 to \$93.4 million in 2016.

Analysis of WRS Financial Activity

The WRS is a cost-sharing, multiple-employer public employee retirement system established and administered by the State of Wisconsin to provide pension benefits for state and local government employees. The system is administered in accordance with Chapter 40 of the Wisconsin Statutes. ETF, under the direction of the ETF Board, is responsible for administration of the WRS, including collecting contributions from employers and paying retirement benefits to WRS participants, and the State of Wisconsin Investment Board (SWIB) is responsible for managing WRS investments.

**NET POSITION BY PROGRAM**

AT DECEMBER 31

IN THOUSANDS

Plan	2016	2015	Change	% Change
Wisconsin Retirement System	92,580,102	88,504,670	4,075,432	4.60%
Duty Disability	592,825	578,188	14,637	2.53%
Accumulated Sick Leave Conversion Credits	(102,071)	(111,920)	9,849	8.80%
State Retiree Life Insurance	357,435	362,544	(5,109)	(1.41%)
Local Retiree Life Insurance	243,112	243,422	(310)	(0.13%)
Employee Reimbursement Accounts/Commuter Benefits	1,756	1,192	564	47.32%
Milwaukee Retirement Systems	182,719	171,369	11,350	6.62%
Active Member Health Insurance	237,296	183,435	53,861	29.36%
Income Continuation Insurance	2,799	5,080	(2,281)	(44.90%)
Long Term Disability Insurance	(109,388)	(127,987)	18,599	14.53%
Life Insurance	268	253	15	5.93%
Total	93,986,855	89,810,246	4,176,609	4.65%

Totals may not foot due to rounding

The system's funding objective is to meet its long-term benefit obligations through contributions and investment income. The tables below show the change in the Summary Statement of Fiduciary Net Position and Summary Statement of Changes in Fiduciary Net Position for 2016 as compared to 2015. Contributions and the income from investments provide the reserves needed to finance the benefits provided under the plans.

SUMMARY OF WRS NET POSTION

AT DECEMBER 31

IN MILLIONS

	2016	Increase (Decrease)	2015
Assets:			
Cash and Receivables	\$ 8,299	2,856	\$ 5,443
Investments at Fair Value	90,734	2,502	88,232
Securities Lending Collateral	1,005	(173)	1,178
Prepaid Expenses	6	(23)	29
Capital Assets	26	12	14
Total Assets	\$ 100,070	5,174	\$ 94,896
Liabilities:			
Core Investment Due Other Benefit Programs	3,529	202	3,327
Variable Investment Due Other Benefit Programs	22	2	20
Obligation Under Reverse Repurchase Agreements	1,831	1,021	810
Investment Payables	162	(171)	333
Securities Lending Collateral Liability	1,005	(173)	1,178
Other Payables	941	218	723
Total Liabilities	\$ 7,490	1,099	\$ 6,391
Net Position Restricted for Pensions	\$ 92,580	4,075	\$ 88,505



FINANCIAL SECTION

SUMMARY OF CHANGES IN WRS NET POSITION

FOR THE YEARS ENDED DECEMBER 31

IN MILLIONS

	2016	Increase (Decrease)	2015
Contributions	1,885	(30)	1,915
Net Investment Income	7,272	7,947	(675)
Other Income	1	(1)	2
Total Additions	\$ 9,158	7,916	\$ 1,242
Benefits/Benefit Expenses	\$ 5,062	201	\$ 4,861
Administrative Expenses	21	(2)	23
Total Deductions	\$ 5,083	199	\$ 4,884
Net Increase (Decrease) in Net Position	\$ 4,075	7,717	\$ (3,642)
Net Position - Beginning of Year	88,505	(3,642)	92,147
Net Position - End of Year	92,580	4,075	88,505

**MEMBERS, RETIREES, BENEFICIARIES AND EMPLOYERS**

Approximately 257,000 active members were employed with 1,495 WRS-participating employers as of December 31, 2016. The number of inactives, retirees and other annuitants totaled 364,838 at year-end. Total members served by the WRS in 2016 was over 622,000 as shown in the following tables.

DISTRIBUTION OF ACTIVE MEMBERS

AT DECEMBER 31	2016		2015	
	Number	Percent of Total	Number	Percent of Total
General	133,843	52.0%	133,385	52.1%
Teachers	99,850	38.8%	99,261	38.8%
Elected/Executive/Judges	1,369	0.5%	1,396	0.5%
Protective with Social Security	19,468	7.6%	19,301	7.5%
Protective without Social Security	2,755	1.1%	2,734	1.1%
Total Active Members	257,285	100.0%	256,077	100.0%

Additional information about members is presented in Note 4 and in the Statistical Section.

DISTRIBUTION OF INACTIVES, RETIREES, AND BENEFICIARIES

AT DECEMBER 31	2016		2015	
	Number	Percent of Total	Number	Percent of Total
Inactive Members:				
Terminated Participants	163,145	44.7%	161,851	45.2%
Alternate Payees	4,046	1.1%	4,111	1.1%
Retirees and Beneficiaries:				
Retirement Annuities	190,111	52.1%	184,180	51.5%
Disability Annuities	6,198	1.7%	6,305	1.8%
Death Benefit Annuities	1,338	0.4%	1,310	0.4%
Total Inactive and Retiree Members	364,838	100.0%	357,757	100.0%

Additional information about retirees and beneficiaries is presented in the Statistical Section.

The following is a listing of participating employers by category as of December 31, 2016:

DISTRIBUTION OF EMPLOYERS

AT DECEMBER 31	2016	2015
State Agencies, UW & Public Authorities	58	58
Cities	152	152
Counties	71	71
4th Class Cities	36	36
Villages	266	264
Towns	254	247
School Districts	422	424
Cooperative Educational Service Agencies	12	12
WI Technical College System Districts	16	16
Special Districts	208	207
Total Employers	1,495	1,487



FINANCIAL SECTION

CONTRIBUTIONS AND INVESTMENT EARNINGS

The retirement benefits provided by the WRS are funded from pension trust fund revenue. The primary sources of revenue are investment income generated from the investment of plan assets and contributions for active members made by members and their employers.

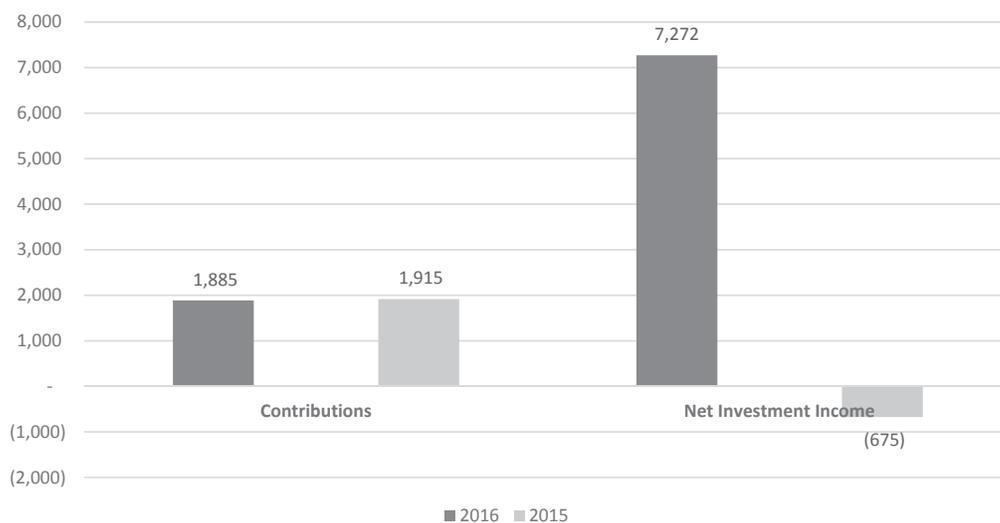
Total contributions and investment earnings for the year ended December 31, 2016, was \$9.2 billion. This was an increase of \$7.9 billion compared to 2015. As the table below shows, Contributions remained relatively stable at \$1.9 billion, while Investment Income increased by \$7.9 billion due to more favorable market conditions in 2016 compared to 2015.

The assets of the WRS are valued at fair value and are invested in the Core Retirement Investment Trust (Core Fund) and the Variable Retirement Investment Trust (Variable Fund). All WRS members have at least half, if not all, of their pension contributions invested in the Core Fund. The Core Fund is a diversified, balanced fund

invested for the long-term needs of the WRS. Diversification helps to stabilize the effects of market changes. The investment objective of this trust fund is to meet or exceed an average 7.2% annual nominal return over the long-term. This objective is based on market rate of return and actuarial assumptions needed to meet the obligations of the WRS. The Variable Fund allows active employees participating in the WRS to put up to half of their pension fund contributions into this global stock fund. Approximately 16% of WRS members participate in the Variable Fund. By law, the Variable fund invests in stocks and provides participants the potential for higher returns in exchange for higher risk. The investment objective of the Variable Fund is to meet or exceed broad equity market indices over a full market cycle.

SWIB is responsible for managing the assets of WRS. See Note 3 for additional information on Investments and Securities Lending Transactions.

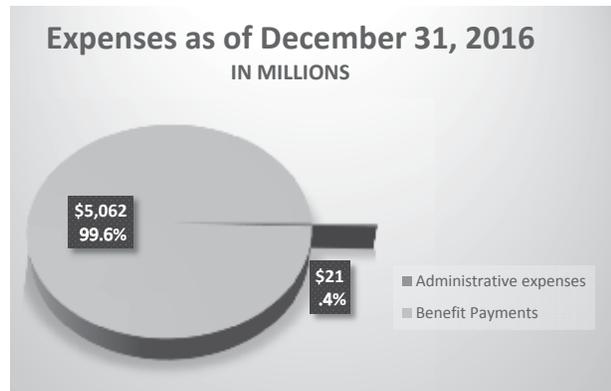
Contributions and Net Investment Income
(IN MILLIONS)



EXPENSES – DEDUCTIONS FROM PLAN NET POSITION

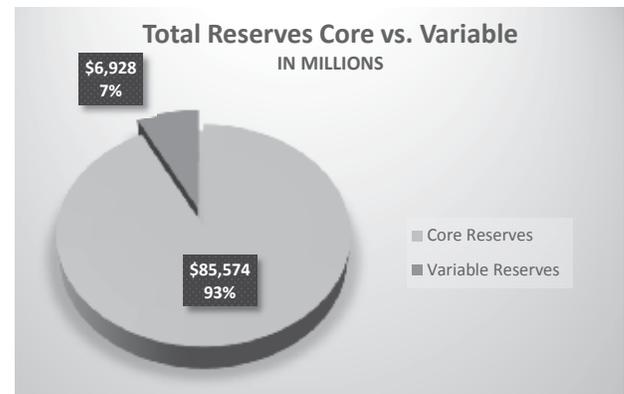
The primary expenses of the WRS include annuity benefits for retirees and beneficiaries, refunds of contributions to former members and expenses associated with the administration of the retirement plans. Benefit payments for 2016 totaled \$5,062 million, an increase of \$201 million or 4.13% over the 2015 amount of \$4,861 million. This was due to the number of retired participants increasing from 191,795 as of December 31, 2015, to 197,647 as of December 31, 2016. Administrative Expenses of approximately \$21 million accounted for less than 1% of the deductions to Net Position in 2016 and was a \$2 million decrease from \$23 million in 2015.

Investment Expenses are deducted from Investment Income and were \$391 million in 2016, an increase of 11.7% from \$350 million in 2015. Approximately \$17 million of this increase is due to a change in recording private equity management fees. See Note 2 for additional information.



RETIREMENT RESERVES

The funds accumulated by the WRS to meet current and future obligations to retirees and beneficiaries are derived from the excess of revenue over expenses. Reserves have been established to reflect legal restrictions established by Wisconsin Statutes on the use of funds. The higher level of funding a plan achieves, the larger the accumulation of assets and the greater the investment income potential. In 2016 revenue exceeded expenses, leading to an increase of \$4,098 million in the retirement reserves. The increase was related primarily to the increase in investment earnings in 2016. The reserves are invested in either the Core Fund or the Variable Fund. 93% of the reserves are invested in the Core Fund and 7% are invested in the Variable Fund.



SUMMARY OF PENSION PLAN RESERVE BALANCES

FOR THE YEARS ENDED DECEMBER 31
IN MILLIONS

	2016	Increase (Decrease)	2015
Total Reserves			
Annuity	\$ 55,762	2,837	\$ 52,925
Employee	17,178	641	16,537
Employee Additional	184	14	170
Employer	22,309	306	22,003
Market Recognition Account (WRS Only)	(2,931)	300	(3,231)
Total Reserves	\$ 92,502	4,098	\$ 88,404



FINANCIAL SECTION

ACTUARIAL VALUATIONS AND FUNDING PROGRESS – PENSION PLAN

ETF's actuarial firm performs an actuarial valuation of the WRS each year to determine funding requirements and establish contribution rates. The funding policy provides for periodic employer contributions at actuarially determined rates that will remain relatively level over time as a percentage of payroll and will accumulate sufficient assets to meet the costs of all benefits when due. The latest valuation of the pension plan was performed by Gabriel Roeder Smith & Company (GRS). Under the funding methodology, the WRS remains nearly 100% funded as of December 31, 2016. For financial reporting purposes, a funding ratio is calculated in accordance with GASB pension accounting standards. Under these standards, the WRS was 99.1% funded as of December 31, 2016.

Analysis of Financial Activities – Other Employee Benefit Plans

DUTY DISABILITY INSURANCE PROGRAM

The Duty Disability Insurance Program pays special disability benefits to protective occupation participants in the WRS. The plan is self-insured, and the risk is shared between the State of Wisconsin and Local government employers in the plan.

During 2016, the Duty Disability Insurance Program collected \$3.8 million in contributions from participating employers, a 56% decrease from \$8.6 million in 2015 due to lower contribution rates. The program paid benefits and expenses of \$34.4 million during 2016 compared to \$33 million in 2015.

The Duty Disability Insurance Program had a net position held in trust of \$592.8 million at December 31, 2016. This was an increase of \$14.6 million from a \$578.2 million net position held in trust as of December 31, 2015. The program experienced investment income of \$46.5 million in 2016 compared to an investment loss of \$4.3 million in 2015.

At December 31, 2016, approximately 22,223 active members were participating in the program and approximately 1,007 former members were receiving benefits. Additional information for the Duty Disability Insurance Program can be found in Note 9.

ACCUMULATED SICK LEAVE CONVERSION CREDITS (ASLCC) PROGRAM

The ASLCC Program allows retirees of the State of Wisconsin, the University of Wisconsin (UW) System, the UW Hospital & Clinics Authority and other state authorities, at the time of their retirement, to convert the value of their unused sick leave accumulation into an account to be used to pay for post-retirement health insurance.

During 2016, the ASLCC Program collected \$52.2 million in contributions from participating employers compared to \$65.1 million in 2015. The program incurred expenses of \$227 million in 2016, an increase of \$28 million from the \$199 million in 2015. The change in actuarially determined liabilities from year to year impacts expenses and was the primary reason for the increase.

The ASLCC Program had an unrestricted net position of -\$102 million at December 31, 2016. This was an increase of \$10 million from a -\$112 million net position held in trust as of December 31, 2015. Investment income in the amount of \$185 million for 2016 compared to the 2015 investment loss of \$17 million is the main reason for the \$10 million increase in net position compared to the prior year decrease in net position of \$152 million.

There were 100,580 ASLCC participants as of December 31, 2016, an increase of 2.7% over the previous year. Participants include 71,587 active employees; 23,256 retirees and others using ASLCC credits; and 5,737 "escrowed annuitants" – former employees who have not yet started using credits from their ASLCC accounts.

STATE RETIREE LIFE INSURANCE PLAN

The State Retiree Life Insurance Plan provides fully paid up life insurance benefits for post-age 64 retired employees of the State of Wisconsin and pre-65 retirees who pay for their coverage.

During 2016, the State Retiree Life Insurance Plan collected \$4.9 million in contributions from participating employers and employees compared to \$4.7 million collected in 2015. The plan incurred expenses of \$22 million during 2016 compared to \$20 million in 2015.

The State Retiree Life Insurance Plan had a net position held in trust of \$357.4 million at December 31, 2016. This was a decrease of \$5.1 million from a \$362.5 million net position in 2015. An increase in benefit expenses of \$2.4 million in 2016 compared to the benefit expenses paid in 2015 is the main reason for the \$5.1 million decrease in net position compared to the prior year decrease in net position of \$2.2 million.

There were 30,894 members participating in the State Retiree Life Insurance Plan in 2016 which was a 4.7% increase in participants from 2015.

LOCAL RETIREE LIFE INSURANCE PLAN

The Local Retiree Life Insurance Plan provides fully paid up life insurance benefits for post-age 64 retired employees of participating local governments in Wisconsin and pre-65 retirees who pay for their coverage.

During 2016, the Local Retiree Life Insurance Plan collected \$7.5 million in contributions from participating employers and employees compared to \$7.4 million during 2015. The plan incurred expenses of \$16 million in 2016, consistent with the expenses in 2015.

The Local Retiree Life Insurance Plan had a net position held in trust of \$243 million at December 31, 2016, which was relatively consistent with the net position as of December 31, 2015. Investment income decreased slightly in 2016, to \$8.2 million from \$8.7 million in 2015.

There were 42,498 members participating in the Local Retiree Life Insurance Plan in 2016 which was a 3.6% increase in participants from 2015.

EMPLOYEE REIMBURSEMENT ACCOUNTS/ COMMUTER BENEFITS

The Employee Reimbursement Accounts Program reimburses qualifying medical and dependent care expenses, while the Commuter Benefits Program reimburses qualifying transportation expenses, for employees of the State of Wisconsin who sign up for pre-tax payroll deductions.

During 2016, the Employee Reimbursement Accounts/Commuter Benefits programs collected \$36 million in contributions from participating employees compared

to \$31 million during 2015 due to a 19.7% increase in program participants as compared to 2015. The program paid benefits and expenses were \$36 million in 2016, which was an increase of \$5 million from the \$31 million in 2015.

The Employee Reimbursement Accounts/Commuter Benefits programs had a net position held in trust of \$1.8 million at December 31, 2016. This was an increase of approximately \$600,000 compared to 2015.

There were 17,562 members that used the medical and 3,284 that used dependent care accounts in 2016 compared to 14,496 medical and 2,964 dependent care accounts in 2015. 2,290 members used the commuter benefit program in 2016, compared to 1,869 in 2015.

MILWAUKEE RETIREMENT SYSTEM PROGRAM

The Milwaukee Retirement System Program allows other retirement systems to have their funds invested with the WRS. Since 2014, the Milwaukee Retirement System only included investments from the Milwaukee Public Schools Supplemental Retirement Program.

During 2016, the Milwaukee Retirement System deposited \$7 million as compared to \$2 million in 2015. The program distributed \$10 million in 2016, a decrease of \$6 million in distributions from 2015. The fund experienced an investment gain of \$14.4 million in 2016 compared to an investment loss of \$1.5 million in 2015.

The Milwaukee Retirement System had a fiduciary net position held in trust of \$182.7 million at December 31, 2016. This was an \$11.3 million increase in net position from \$171.4 million in 2015. Additional information on the Milwaukee Retirement System can be found in Note 10.

INCOME CONTINUATION INSURANCE (ICI) PROGRAM

The ICI Program pays disability benefits for employees of the State of Wisconsin and participating local governments in Wisconsin, who enroll in the program. Employee premiums are based on sick leave accumulation and the waiting period selected.



FINANCIAL SECTION

During 2016, the ICI Program collected \$20.4 million in contributions from participating employers, an increase from \$16.8 million collected during 2015. The program incurred expenses of \$29.4 million during 2016. This is an increase of \$3.5 million from the \$25.9 million in benefits and expenses in 2015.

The ICI Program had a net position restricted for benefits of \$2.8 million at December 31, 2016. This was a decrease of \$2.2 million from a \$5 million net position in 2015. The fund experienced an investment gain of \$6.7 million during 2016 compared to an investment loss of \$596 thousand in 2015.

At December 31, 2016, approximately 58,434 total members were participating in ICI. This includes 8,710 Local employees and 49,724 State employees. Local employees had an increase of 1.3% and State employees had a .09% decrease in members participating. More information about the ICI Program can be found in Note 8.

LONG TERM DISABILITY INSURANCE (LTDI) PROGRAM

The LTDI Program provides disability coverage to some participants in the WRS. WRS Participants prior to October 16, 1992 may choose between LTDI and traditional WRS Disability benefits. Participants beginning after that date are eligible only for LTDI benefits.

During 2016, the LTDI Program collected \$71.3 million in contributions from employers which was a 64.8% increase compared to the \$43.3 million collected during 2015. The increase was mainly due to an increase in contribution rates. Approved contribution rates for 2016 were 0.52% of covered payroll compared to 0.32% in 2015. The program incurred expenses of \$71.7 million during 2016. This is a decrease of \$8.8 million from the \$80.5 million in 2015. The change in actuarially determined liabilities from year to year impacts expense and was the primary reason for the decrease.

The LTDI Program had a net position unrestricted for benefits of -\$109 million at December 31, 2016. This was an increase of \$19 million from a -\$128 million net position in 2015. Investment gains during 2016 were \$19 million compared to an investment loss of \$1.6 million in 2015. More information about the LTDI Program can be found in Note 8.

In August of 2017, the Governor approved a change in Administrative Code to close the LTDI program. The Legislature's Joint Committee on Review of Administrative Rules review concluded in November 2017. As a result, the LTDI program will be closed to new applicants effective January 1, 2018.

LIFE INSURANCE PLAN

The Life Insurance Plan provides life insurance coverage for current active employees of the State of Wisconsin and participating local governments in Wisconsin.

During 2016, the Life Insurance Plan collected \$896 thousand in administrative reimbursement income from participating employers and paid administrative expenses of \$896 thousand. This is an increase of \$314 thousand from 2015.

The Life Insurance Plan had a net position restricted for benefits of \$268 thousand at December 31, 2016. This was an increase of \$15 thousand from a \$253 thousand net position in 2015. More information about the Life Insurance Plan can be found in Note 8.

ACTIVE MEMBER HEALTH INSURANCE PROGRAM

The Active Member Health Insurance Program is a comprehensive benefit plan providing coverage for active employees of state and participating local governments. State and local retiree health programs are discussed separately following this program. The state and local health plans each include separately managed risk pools for medical, pharmacy and dental benefits.

During 2016, ETF collected \$1,327 million in contributions from participating employers, a decrease of \$60 million from 2015, and incurred expenses of \$1,291 million, a decrease of \$109 million from 2015.

The Active Member Health Insurance Program had a net position restricted for benefits of \$237 million at December 31, 2016. This was an increase of \$54 million from a \$183 million net position in 2015. The program experienced an investment gain of \$17.8 million during 2016 compared to an investment loss of \$1.5 million in 2015.

At December 31, 2016, approximately 81,492 active members from both state and local governments were participating in the Active Member Health Insurance Program.

STATE RETIREE HEALTH INSURANCE PLAN

Through the State Retiree Health Insurance Plan, participants may choose between self-insured health plans and alternate health plans with specific provider networks (i.e. HMOs). Required premiums are collected from retired employees of the State of Wisconsin.

Pre-Medicare retirees included in this plan are subsidized by paying active member premiums. A surplus in the Active Member Health Insurance Program offsets the shortfall in the Retiree Health Insurance Plan. Due to (From) Employers reflects the accumulated deficit incurred by the plan. The accumulated deficit is \$67 million as of December 31, 2016, a decrease of \$7 million from a deficit of \$74 million in 2015. Total assets as of December 31, 2016, were \$37.9 million, an increase of \$8.6 million from 2015.

Total liabilities as of December 31, 2016, were \$37.9 million, an increase of \$8.6 million from \$29.3 million in 2015. The balance of the loan from the Active Member Health Insurance Program was \$82 million as of December 31, 2016, compared to \$91 million as of December 31, 2015. More information about the State Retiree Health Insurance Plan can be found in Note 9.

LOCAL RETIREE HEALTH INSURANCE PLAN

Through the Local Retiree Health Insurance Plan, participants may choose between self-insured health plans and alternate health plans with specific provider networks (i.e. HMOs). Required premiums are collected from retired employees of participating local government employers in Wisconsin.

Pre-Medicare retirees included in this plan are subsidized by paying active member premiums. A surplus in the Active Member Health Insurance Program offsets the shortfall in the Retiree Health Insurance Plan. Due to (From) Employers reflects the accumulated deficit incurred by the plan. The accumulated deficit is \$20 million as of December 31,

2016, an increase of \$1 million from a deficit of \$19 million in 2015. Total assets as of December 31, 2016, were \$3.8 million, an increase of \$800 thousand as compared to 2015.

Total liabilities as of December 31, 2016, were \$3.8 million, an increase of \$800 thousand from \$3 million in 2015. The balance of the loan from the Active Member Health Insurance Program was \$19 million as of December 31, 2016, compared to \$20 million as of December 31, 2015. More information about the Local Retiree Health Insurance Plan can be found in Note 9.

Capital Asset Activity

As of December 31, 2016, the total value of capital assets was \$29 million less accumulated depreciation of \$3.2 million for a net capital asset value of \$25.8 million. Compared to 2015 at which time the total value of capital assets was \$16.8 million less accumulated depreciation of \$2.9 million, for a net capital asset value of \$13.9 million. The \$11.9 million increase from 2015 to 2016 was due to the continuing capitalization of a Benefit Administration System program, an internally generated software program that will improve how ETF provides services and benefits to employers and employees. For additional information on Capital Assets, please refer to Note 1.

Financial Contact

This financial report is designed to provide a general overview of ETF's finances and to demonstrate its accountability with the assets it holds in trust. Questions concerning any of the information provided in this report should be addressed to ETF at P.O. Box 7931, Madison, Wisconsin, 53707-7931.



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Wisconsin Department of Employee Trust Funds
Statement of Fiduciary Net Position
December 31, 2016
(In Thousands)

	Wisconsin Retirement System	Duty Disability Insurance
Assets:		
Equity In Pooled Cash & Cash Equivalents	\$ 6,924,872	\$ 0
Securities Lending Collateral	1,004,940	0
Prepaid Expenses	6,368	0
Receivables:		
Contributions Receivable	179,126	380
Prior Service Contributions Receivable	18,035	0
Benefit Overpayments Receivable	2,270	211
Due From Other Trust Funds	16,382	271
Miscellaneous Receivables	876	0
Securities Lending Income Receivable	2,562	0
Interest and Dividends Receivable	244,205	0
Investment Sales Receivable	910,708	0
Total Receivables	1,374,164	862
Investments at Fair Value:		
Stocks	44,963,358	0
Fixed Income Investments	28,622,140	0
Limited Partnerships	11,285,914	0
Multi Asset Investments	4,407,772	0
Real Estate	1,275,526	0
Preferred Securities	166,542	0
Convertible Securities	639	0
Foreign Currency Contracts	67,024	0
Options Contracts	252	0
Financial Futures Contracts	(79,142)	0
Swaps	23,624	0
Investment In Core Fund	0	595,532
Investment In Variable Fund	0	0
Investment Contracts (at Contract Value)	0	0
Total Investments	90,733,649	595,532
Capital Assets	25,774	0
Total Assets	100,069,767	596,394
Liabilities:		
Core Investment Due Other Benefit Programs	3,529,432	0
Variable Investment Due Other Benefit Programs	21,840	0
Obligation Under Reverse Repurchase Agreements	1,831,169	0
Short Sell Obligations	314,926	0
Securities Lending Collateral Liability	1,004,940	0
Collateral Due to Counterparty	74,340	0
Benefits Payable	343,714	2,814
Other Estimated Future Benefits	0	0
Unearned Revenue	62	0
Due To Other Benefit Programs	81,879	755
Interfund Payables	0	0
Miscellaneous Payables	125,834	0
Investment Payables	161,529	0
Total Liabilities	7,489,665	3,569
Net Position Held in Trust for Pension Benefits and Pool Participants	\$ 92,580,102	\$ 592,825

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

Continued on page 31



FINANCIAL SECTION

Statement 1

Accumulated Sick Leave Conversion Credits	State Retiree Life Insurance	Local Retiree Life Insurance	Employee Reimbursement Accounts/Commuter Benefits	Milwaukee Retirement Systems
\$ 0	\$ 0	\$ 0	\$ 6,356	\$ 0
0	0	0	0	0
0	0	0	1,152	0
4,026	0	0	15	0
0	0	0	0	0
0	0	0	0	0
4,190	0	0	28	0
0	50	67	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
8,216	50	67	43	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
2,359,326	0	0	0	160,879
0	0	0	0	21,840
0	357,435	243,112	0	0
2,359,326	357,435	243,112	0	182,719
0	0	0	0	0
2,367,542	357,485	243,179	7,551	182,719
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	4,625	0
2,468,990	0	0	0	0
0	0	0	0	0
390	39	52	382	0
0	11	15	0	0
233	0	0	788	0
0	0	0	0	0
2,469,613	50	67	5,795	0
\$ (102,071)	\$ 357,435	\$ 243,112	\$ 1,756	\$ 182,719



Wisconsin Department of Employee Trust Funds
Statement of Changes in Fiduciary Net Position
For the Year Ended December 31, 2016
(In Thousands)

	Wisconsin Retirement System	Duty Disability Insurance
Additions:		
Contributions:		
Employer Contributions	\$ 963,122	\$ 3,788
Employee Contributions	921,864	0
Total Contributions	<u>1,884,986</u>	<u>3,788</u>
Deposits	0	0
Investment Income:		
Net Appreciation (Depreciation) in Fair Value of Investments	5,861,708	0
Interest	568,127	0
Dividends	1,239,791	0
Securities Lending Income	36,529	0
Other	242,853	46,537
Less:		
Investment Income Distributed to Other Benefit Programs	(283,077)	0
Investment Expense	(391,427)	0
Securities Lending Rebates and Fees	(2,973)	0
Net Investment Income	<u>7,271,531</u>	<u>46,537</u>
Interest on Prior Service Receivable	1,198	0
Service Reimbursement Income	0	0
Miscellaneous Income	340	6
Total Additions	<u>9,158,055</u>	<u>50,331</u>
Deductions:		
Benefits and Refunds:		
Retirement, Disability, and Beneficiary Benefits	4,951,650	34,390
Separation Benefits	39,276	0
Other Benefit Expense	71,271	0
Distributions	0	0
Carrier Administrative Expenses	0	0
Administrative Expenses	20,426	1,304
Total Deductions	<u>5,082,623</u>	<u>35,694</u>
Net Increase (Decrease)	<u>4,075,432</u>	<u>14,637</u>
Net Position - Beginning of Year	<u>88,504,670</u>	<u>578,188</u>
Net Position - End of Year	<u>\$ 92,580,102</u>	<u>\$ 592,825</u>

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

Continued on page 33



FINANCIAL SECTION

Statement 2

Accumulated Sick Leave Conversion Credits	State Retiree Life Insurance	Local Retiree Life Insurance	Employee Reimbursement Accounts/ Commuter Benefits	Milwaukee Retirement Systems
\$ 52,181	\$ 1,276	\$ 1,710	\$ 655	\$ 0
0	3,611	5,745	35,475	0
52,181	4,887	7,455	36,130	0
0	0	0	0	7,000
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
185,453	12,422	8,199	10	14,350
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
185,453	12,422	8,199	10	14,350
0	0	0	0	0
0	61	83	0	0
0	0	0	15	0
237,634	17,370	15,737	36,155	21,350
0	0	0	0	0
0	0	0	0	0
227,092	21,517	14,657	34,380	0
0	0	0	0	10,000
0	901	1,308	646	0
693	61	82	565	0
227,785	22,479	16,047	35,591	10,000
9,849	(5,109)	(310)	564	11,350
(111,920)	362,544	243,422	1,192	171,369
\$ (102,071)	\$ 357,435	\$ 243,112	\$ 1,756	\$ 182,719



Wisconsin Department of Employee Trust Funds
Statement of Net Position - Proprietary Funds
December 31, 2016
(In Thousands)

Statement 3

	Long-Term Disability Insurance	Health Insurance	Income Continuation Insurance	Life Insurance
Assets				
Current Assets:				
Cash and Cash Equivalents	\$ 0	\$ 0	\$ 0	\$ 3,482
Investment In Core Fund	170,080	161,454	82,161	0
Prepaid Expenses	0	319	0	0
Rebates Receivable	0	19,537	0	0
Contributions Receivable	0	0	1,037	468
Due From Other Trust Funds	71,271	6,486	10,438	11
Interfund Receivable	0	101,229	0	27
Benefit Overpayment Receivable	113	0	3,275	0
Administrative Fees Receivable	0	0	0	722
Miscellaneous Receivables	0	635	0	0
Total Current Assets	241,464	289,660	96,911	4,710
Total Assets	241,464	289,660	96,911	4,710
Liabilities				
Current Liabilities:				
Benefits Payable	115	0	24	0
Premiums Payable	0	0	0	3,009
Unearned Revenue	0	15,956	0	0
Current Portion of Estimated Future Benefits	59,447	8,433	22,769	0
Due to Other Agency	0	0	0	822
Due To Other Trust Funds	7,469	17,668	436	549
Unearned Administrative Reimbursement Income	0	0	0	62
Miscellaneous Payables	15,890	10,307	5,075	0
Total Current Liabilities	82,921	52,364	28,304	4,442
Noncurrent Liabilities:				
Noncurrent Portion of Estimated Future Benefits	267,931	0	65,808	0
Total Noncurrent Liabilities	267,931	0	65,808	0
Total Liabilities	350,852	52,364	94,112	4,442
Net Position Restricted (Unrestricted) For Benefits	\$ (109,388)	\$ 237,296	\$ 2,799	\$ 268

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



FINANCIAL SECTION

Wisconsin Department of Employee Trust Funds **Statement 4**
Statement of Revenues, Expenses, and Changes in Fund Net Position - Proprietary Funds
For the Year Ended December 31, 2016
(In Thousands)

	Long-Term Disability Insurance	Health Insurance	Income Continuation Insurance	Life Insurance
Operating Revenues:				
Contributions	\$ 71,271	\$ 1,326,615	\$ 20,354	\$ 0
Miscellaneous Income	4	3	98	12
Administrative Reimbursement Income	0	0	0	896
Total Operating Revenues	71,275	1,326,618	20,452	908
Operating Expenses:				
Benefit Expense	65,290	1,274,244	26,369	0
Carrier Administrative Expenses	5,571	8,054	2,380	0
Departmental Administrative Expenses	881	8,228	668	896
Total Operating Expenses	71,742	1,290,526	29,417	896
Operating Income (Loss)	<u>(467)</u>	<u>36,092</u>	<u>(8,965)</u>	<u>12</u>
Nonoperating Revenues:				
Investment Income	19,066	17,769	6,684	3
Total Nonoperating Revenues	<u>19,066</u>	<u>17,769</u>	<u>6,684</u>	<u>3</u>
Net Income (Loss)	<u>18,599</u>	<u>53,861</u>	<u>(2,281)</u>	<u>15</u>
Change in Net Position	18,599	53,861	(2,281)	15
Total Net Position - Beginning of Year	<u>(127,987)</u>	<u>183,435</u>	<u>5,080</u>	<u>253</u>
Total Net Position - End of Year	<u>\$ (109,388)</u>	<u>\$ 237,296</u>	<u>\$ 2,799</u>	<u>\$ 268</u>

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



Wisconsin Department of Employee Trust Funds
Statement of Cash Flows - Proprietary Funds
For the Year Ended December 31, 2016
(In Thousands)

Statement 5

	Long-Term Disability Insurance	Health Insurance	Income Continuation Insurance	Life Insurance
Cash Flows from Operating Activities				
Cash Received for Rebates	\$ 0	\$ 39,137	\$ 0	\$ 0
Cash Received for Insurance Premiums	43,341	1,329,496	12,017	7,528
Cash Paid for Employee Benefits	(48,641)	(1,307,857)	(20,501)	(6,369)
Cash Paid for Administrative Services	(2,512)	(9,581)	(1,628)	(348)
Service Reimbursement Income	0	(23)	0	466
Miscellaneous Income	4	3	98	11
Net Cash Provided (Used) by Operating Activities	(7,808)	51,175	(10,014)	1,288
Cash Flows from Noncapital Financing Activities				
Due to Other Agency	0	0	0	822
Interfund Loans Provided (Used)	0	10,419	0	49
Net Cash Provided (Used) by Noncapital Financing Activities	0	10,419	0	871
Cash Flows from Investing Activities				
Investment Income	19,066	17,769	6,684	3
Decrease (Increase) in Investment in Core Fund	(11,258)	(79,363)	3,330	0
Net Cash Provided (Used) by Investing Activities	7,808	(61,594)	10,014	3
Net Increase (Decrease) in Cash and Cash Equivalents	0	0	0	2,162
Equity in Pooled Cash and Cash Equivalents at Beginning of Year	0	0	0	1,320
Equity in Pooled Cash and Cash Equivalents at End of Year	0	0	0	3,482

Reconciliation of Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities

Operating Income (Loss)	(467)	36,092	(8,965)	12
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided (Used) by Operating Activities				
Changes in Assets and Liabilities:				
Decrease (Increase) in Rebates Receivable	0	5,070	0	0
Decrease (Increase) in Contributions Receivable	0	0	(243)	(318)
Decrease (Increase) in Miscellaneous Receivables	44	(635)	0	(457)
Decrease (Increase) in Benefit Overpayments Receivable	7	0	208	0
Decrease (Increase) in Prepaid Expenses	0	(284)	32	0
Decrease (Increase) in Due From Other Trust Funds	(27,974)	6,389	(8,125)	12
Increase (Decrease) in Estimated Future Benefits	16,317	1,391	5,169	0
Increase (Decrease) in Premiums Payable	0	(6,491)	0	1,464
Increase (Decrease) in Unearned Revenue	0	(1,899)	0	62
Increase (Decrease) in Benefits Payable	115	0	25	0
Increase (Decrease) in Miscellaneous Payables	3,211	(1,046)	1,450	0
Increase (Decrease) in Due to Other Trust Funds	939	12,588	435	513
Total Adjustments	(7,341)	15,083	(1,049)	1,276
Net Cash Provided (Used) by Operating Activities	\$ (7,808)	\$ 51,175	\$ (10,014)	\$ 1,288

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



FINANCIAL SECTION

Wisconsin Department of Employee Trust Funds
Statement of Fiduciary Net Position - Agency Funds
December 31, 2016
(In Thousands)

Statement 6

	State Retiree Health Insurance	Local Retiree Health Insurance
Assets:		
Prepaid Expenses	\$ 9	\$ 0
Receivables:		
Federal Subsidy Receivable	14,519	1,034
Benefit Overpayment Receivable	40	0
Due From Other Trust Funds	9,315	1,539
Miscellaneous Receivables	225	31
Rebates Receivable	13,756	1,212
Total Receivables	<u>37,855</u>	<u>3,816</u>
Total Assets	<u>37,864</u>	<u>3,816</u>
Liabilities:		
Unearned Revenue	5,169	1,379
Due To Other Trust Funds	7,812	2,456
Interfund Payables	81,986	19,243
Miscellaneous Payables	4,712	419
Benefit & Loss Liabilities--Current	5,519	287
Due To (From) Employers	(67,334)	(19,968)
Total Liabilities	<u>37,864</u>	<u>3,816</u>
Net Position Held In Trust	<u>\$ 0</u>	<u>\$ 0</u>

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



Wisconsin Department of Employee Trust Funds **Statement 7**
Statement of Changes in Fiduciary Net Position - Agency Funds
December 31, 2016
(In Thousands)

	Balance				Balance	
	January 1, 2016	Additions	Deductions		December 31, 2016	
State Retiree Health Insurance						
Assets						
Cash and Cash Equivalents	\$ 0	\$ 300,954	\$ 300,954		\$ 0	
Prepaid Health Insurance	0	9	0		9	
Receivables:						
Federal Subsidy Receivable	12,544	20,563	18,588		14,519	
Benefit Overpayment Receivable	38	2	0		40	
Due From Other Trust Funds	2,165	12,471	5,321		9,315	
Miscellaneous Receivable	0	225	0		225	
Rebates Receivable	14,507	26,110	26,861		13,756	
Total Receivables	29,254	59,371	50,770		37,855	
Total Assets	29,254	360,334	351,724		37,864	
Liabilities						
Unearned Revenue	64	5,169	64		5,169	
Due To Other Trust Funds	5,322	2,500	10		7,812	
Interfund Payables	91,261	0	9,275		81,986	
Miscellaneous Payables	1,891	10,123	7,302		4,712	
Benefit & Loss Liabilities--Current	4,959	146,007	145,447		5,519	
Due to (From) Employers	(74,243)	262,209	255,300		(67,334)	
Total Liabilities	\$ 29,254	\$ 426,008	\$ 417,398		\$ 37,864	

Local Retiree Health Insurance

Assets						
Cash and Cash Equivalents	\$ 0	\$ 29,954	\$ 29,954		\$ 0	
Receivables:						
Federal Subsidy Receivable	1,091	1,509	1,566		1,034	
Due From Other Trust Funds	582	2,417	1,460		1,539	
Miscellaneous Receivable	0	31	0		31	
Rebates Receivable	1,329	2,266	2,383		1,212	
Total Receivables	3,002	6,223	5,409		3,816	
Total Assets	3,002	36,177	35,363		3,816	
Liabilities						
Unearned Revenue	582	1,379	582		1,379	
Due To Other Trust Funds	201	2,255	0		2,456	
Interfund Payables	20,387	0	1,144		19,243	
Miscellaneous Payables	187	701	469		419	
Benefit & Loss Liabilities--Current	285	10,657	10,655		287	
Due To (From) Employers	(18,640)	22,923	24,251		(19,968)	
Total Liabilities	\$ 3,002	\$ 37,915	\$ 37,101		\$ 3,816	

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



NOTES TO FINANCIAL STATEMENTS

1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Presentation Basis

The financial statements of the Wisconsin Department of Employee Trust Funds (ETF) have been prepared in conformity with Generally Accepted Accounting Principles (GAAP) for government units as prescribed by the Governmental Accounting Standards Boards (GASB). ETF is not a general-purpose government and does not present government-wide statements. ETF is included in the State of Wisconsin financial reporting entity and is presented in the State's Comprehensive Annual Financial Report as a "Pension and Other Employee Benefit Trust Fund."

The assets and operations of ETF are accounted for in the following funds:

Fiduciary Funds

Pension and Other Employee Benefit Trust Funds

Wisconsin Retirement System (WRS): This fund is used to account for the collection of employee and employer contributions; investment of assets; and payment of retirement, disability, and death benefits to former employees, and their beneficiaries, of the State of Wisconsin and participating local governments in Wisconsin.

Accumulated Sick Leave Conversion Credits (ASLCC):

This fund is used to account for the collection of employer contributions, investment of assets, and purchase of post-retirement health insurance for retired employees of the State of Wisconsin and their beneficiaries. This benefit allows employees, at the time of their retirement, to convert the value of their unused sick leave accumulation into an account to be used to pay for post-retirement health insurance. The value of their account may also be increased by an employer match of part or all of their unused sick leave accumulation.

State Retiree Life Insurance: This fund is used to account for the accumulation of assets and the payment of life insurance benefits for retired employees of the State of Wisconsin.

Local Retiree Life Insurance: This fund is used to account for the accumulation of assets and the payment of life insurance benefits for retired employees of participating local governments in Wisconsin.

Employee Reimbursement Accounts/Commuter Benefits: This fund is used to account for the collection of voluntary payroll deferrals, investment of assets, and reimbursement of qualifying medical, dependent care, and transportation expenses for employees of the State of Wisconsin, in compliance with Internal Revenue Code (IRC) Section 125 and Section 132.

Duty Disability Insurance: This fund is used to account for the collection of employer contributions, investment of assets, and payment of special disability benefits to protective occupation participants in the WRS.

Investment Trust Fund

Milwaukee Retirement Systems: These funds are used to account for the receipt, investment, and disbursement of funds from other public pension funds in Wisconsin.

Agency Funds

State Retiree Health Insurance: This fund is used to account for the collection of employee and employer contributions, the investment of assets, the purchase of health insurance coverage, and the payment of health insurance claims for retired employees of the State of Wisconsin.

Local Retiree Health Insurance: This fund is used to account for the collection of employee and employer contributions, the investment of assets, the purchase of health insurance coverage, and the payment of health insurance claims for retired employees of participating local governments in Wisconsin.

Proprietary Funds

Enterprise Funds

Long-Term Disability Insurance: This fund is used to account for the collection of contributions, investment of assets, and payment of disability benefits to participants in the WRS.

Health Insurance: This fund is used to account for the collection of employee and employer contributions, the investment of assets, the purchase of health insurance coverage, and the payment of health insurance claims for current employees of both the State of Wisconsin and participating local governments in Wisconsin.

Income Continuation Insurance: This fund is used to account for the collection of employee and employer contributions, the investment of assets, and the payment of disability benefits for employees of both the State of Wisconsin and participating local governments in Wisconsin.

Life Insurance: This fund is used to account for the collection of employee and employer contributions and the purchase of life insurance coverage for current employees of both the State of Wisconsin and participating local governments in Wisconsin.

Proprietary funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services in connection with a proprietary fund's principal ongoing operations. The principal ongoing operations for these proprietary funds are: collecting premiums and using the accumulated premiums and investment income to pay benefits. Revenues and expenses not directly related to the principal ongoing operations are classified as non-operating.

Department-wide administrative expenses, capital assets, and general fund activities are most closely associated with the WRS fund and have been blended with that fund for presentation. All material intrafund transactions have been eliminated from fund financial statements. Interfund transactions have not been eliminated.

Measurement Focus and Basis of Accounting

The financial statements of ETF have been prepared in accordance with GAAP. The WRS, Duty Disability Insurance, Accumulated Sick Leave Conversion Credits, Employee Reimbursement Accounts/Commuter Benefits, and Retiree Life Insurance Funds are accounted for using the flow of economic resources measurement focus and the accrual basis of accounting. Under the accrual basis of accounting, contributions are recognized in the accounting period in which the underlying earnings on which the contributions are based are paid and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of each plan. Security transactions and the related gains and losses are recorded on a trade date basis. Dividend income is recorded on the ex-dividend date, and interest income is accrued as earned.

The State Retiree and Local Retiree Health Insurance Funds are accounted for using the accrual basis of accounting, but have no measurement focus by virtue of their custodial nature. All other funds are accounted for using the flow of economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred.

Investments

The assets of the WRS and the Milwaukee Retirement System are valued at fair value and are invested in the Core Retirement Investment Trust (Core Fund) and the Variable Retirement Investment Trust (Variable Fund), which are collectively the Retirement Funds. The assets of the Income Continuation Insurance, Duty Disability Insurance, Long-Term Disability Insurance, Health Insurance, State Retiree Health Insurance, Local Retiree Health Insurance, and Accumulated Sick Leave Conversion Credit Programs are invested in the Core Fund. Earnings are allocated between the WRS and other benefit programs based on the average balance invested for each program. Earnings allocated to other benefit programs are classified as "Investment Income Distributed to Other Benefit Programs" on the Statement of Changes in Fiduciary Net Position. The total amount invested by the other benefit programs



FINANCIAL SECTION

included in the Retirement Funds is presented as “Core Investment Due Other Benefit Programs” and “Variable Investment Due Other Benefit Programs” on the Statement of Fiduciary Net Position. Investments for the Retiree Life Insurance Funds are held by the plan administrator and classified as “Investment Contracts” on the Statement of Fiduciary Net Position. All other benefit plan assets are invested in the State Investment Fund (SIF). Investments in the SIF are classified as “Equity in Pooled Cash and Cash Equivalents” on the Statement of Fiduciary Net Position and “Cash and Cash

Equivalents” on the Statement of Net Position – Proprietary Funds. The SIF is a pool of cash balances of various state and local government units with the investment objectives to provide safety, liquidity, and competitive rates of return.

The State of Wisconsin Investment Board (SWIB) manages the Retirement Funds and SIF with oversight by the SWIB Board of Trustees, as authorized in Wis. Stat. § 25.17. SWIB is not registered with the Securities and Exchange Commission as an investment company.

Funding Value of Assets

While investments are valued at fair value for financial statement presentation, a funding value of assets is used in evaluating the funded status of the benefit plans and in determining future contribution requirements. Funding value does not include deferred market gains and losses that have not yet been distributed from the Market Recognition Account (MRA) to the program reserves. See Note 7 for further explanation of the MRA. As of December 31, 2016, the funding value of reserves (In millions) was as follows:

Benefit Plan	Reserves at Funding Value	Deferred Market Gains (Losses)	Reserves at Fair Value
Wisconsin Retirement System	\$95,511.0	\$(2,930.9)	\$92,580.1
Income Continuation Insurance ⁽¹⁾	(4.0)	6.8	2.8
Duty Disability Insurance	616.1	(23.3)	592.8
Long-Term Disability Insurance ⁽¹⁾	(74.4)	(35.0)	(109.4)
Accumulated Sick Leave Conversion Credits ⁽¹⁾	(8.5)	(93.6)	(102.1)
Health Insurance ⁽¹⁾	251.8	(14.5)	237.3
State Retiree Health Insurance ⁽¹⁾	(71.6)	4.3	(67.3)
Local Retiree Health Insurance ⁽¹⁾	(20.1)	0.1	(20.0)

⁽¹⁾ The Reserves at Funding Value and the Reserves at Fair Value for Income Continuation Insurance, Long-Term Disability Insurance, Accumulated Sick Leave Conversion Credits, Health Insurance, and State and Local Retiree Health Insurances have been reduced by the estimated future claims for the benefit plan.

Administrative Expenses

The administrative costs of all ETF programs are financed by a separate appropriation and are allocated to each benefit plan administered by ETF in accordance with Wis. Stat. § 40.04. The sources of funds for this appropriation are investment earnings and third-party reimbursements received from the various programs administered by ETF. Total administrative expenses for the year were approximately \$21 million.

SWIB incurs expenses related to investing the trust funds. As authorized by Wis. Stat. § 25.187 (2), these costs are charged directly to the investment income of each trust fund.



Capital Assets

Capital assets consist of office furniture and equipment and computer software (purchased or externally acquired and internally generated software). ETF capitalizes all furniture and equipment, and purchased computer software with a purchase price in excess of \$5,000, and internally-generated software and other intangible assets in excess of \$1 million. Assets are depreciated on a composite basis over an estimated life, ranging from 5 to 20 years, using the straight-line method of depreciation.

As of December 31, 2016, the total value of capital assets was \$29 million, less accumulated depreciation of \$3.2 million for a net capital asset value of \$25.8 million. The net capital asset value includes \$25.6 million in internally-generated software, and \$82,815 in purchased software.

Long-Term Liabilities

The Accumulated Sick Leave Conversion Credit Fund reports an actuarially-determined liability for future benefits. The liability is determined using the Frozen Initial Liability actuarial cost method and actuarial assumptions that include a 7.2% long-term rate of investment return and a 3.2% annual base salary increase.

During 2016, the liability changed as follows (In Millions):

Beginning balance	\$ 2,410
Plus: New Liabilities Recognized	227
Less: Benefits Paid	<u>(168)</u>
Ending Balance	<u>\$2,469</u>

The portion estimated to be due within one year is \$181 million.

Interfund Assets / Liabilities

Interfund assets and liabilities at December 31, 2016, consist of the following (In Thousands):

Due to Other Funds	Due From Other Funds														Total
	Wisconsin Retirement System	Employee Reimbursement Account (ERA) & Commuter Benefits	Long-Term Disability Insurance	Health Insurance	State Retiree Health Insurance	Local Retiree Health Insurance	Life Insurance	State Retiree Life Insurance	Local Retiree Life Insurance	Duty Disability	Income Continuation Insurance	Sick Leave	Deferred Comp		
Wisconsin Retirement System		382	7,469	4,629	1,499	138	549	39	52	755	436	390	44	16,382	
ERA & Commuter Benefits	7			21										28	
Long-Term Disability Insurance	71,271													71,271	
Health Insurance					6,313	173								6,486	
State Retiree Health Insurance	5,109			2,061		2,145								9,315	
Local Retiree Health Insurance	1,025			513										1,538	
Life Insurance	4			7										11	
Duty Disability	271													271	
Income Continuation Insurance	2			10,436										10,438	
Sick Leave	4,190													4,190	
Total	81,879	382	7,469	17,667	7,812	2,456	549	39	52	755	436	390	44	119,930	

The outstanding balances between funds result from the time lag between the dates that interfund services are provided or reimbursable expenditures occur and when payments between funds are made. The amount due from Long-Term Disability Insurance (LTDI) to the WRS are for Additional Contributions made by LTDI to WRS but not allocated to the WRS prior to year-end. The amount due to LTDI represents insurance premiums owed by the WRS to LTDI for coverage of WRS participants. The increase in interfund balances for the other programs is mostly attributable to earnings and contributions allocations calculated after year-end. All liabilities are expected to be paid within one year of the balance sheet date.



FINANCIAL SECTION

Interfund Receivables / Payables

Interfund Receivables and Payables represent short-term loans from one fund to another to cover cash overdrafts. Interfund receivables/payables at December 31, 2016, consist of the following (In Thousands):

Interfund Receivables							
Interfund Payables	Health Insurance	State Retiree Health Insurance	Local Retiree Health Insurance	Life Insurance	State Retiree Life Insurance	Local Retiree Life Insurance	Total
State Retiree Health Insurance	81,986						81,986
Local Retiree Health Insurance	19,243						19,243
State Retiree Life Insurance				11			11
Local Retiree Life Insurance				15			15
Total	101,229			26			101,255

Use of Estimates

The preparation of financial statements in accordance with GAAP requires management to make estimates that affect amounts reported herein. Due to the inherent uncertainty involved, actual results could differ from those estimates.

2 ACCOUNTING CHANGES

During the year ended December 31, 2016, WRS adopted GASB Statement No. 72, Fair Value Measurement and Application, which addresses accounting and reporting related to fair value measurements. This Statement requires disclosures to be made about fair value measurements, the level of fair value hierarchy and valuation techniques. Although the adoption did not materially change the way in which the Retirement Funds' assets and liabilities are measured, it did result in enhanced disclosures, found in note 3.

Effective January 1, 2016, WRS instituted a change in the method of recording private equity management fees. In previous reporting periods, WRS recorded such fees net of offsets, deferrals and waivers. Beginning with calendar year 2016, private equity management fees are reported on a gross basis, to better align with industry changes and permit more consistent reporting of these fees. In calendar year 2016, the change in method results in an increase of approximately \$17 million in "Investment Income" and a corresponding increase in "Investment Expense" on the Statement of Changes in Fiduciary Net Position. This change has no impact on Retirement Funds reported beginning "Net Position."

As of December 31, 2016, we changed the classification of the State and Local Retiree Life Insurance funds' investments on the Statement of Fiduciary Net Position. Previously, the investments were shown as "Investment in External Pool" and are now shown as "Investment Contracts." In addition, we have updated Note 9. We believe the changes more accurately reflect and disclose the investment assets of the State and Local Retiree Life Insurance Funds. These changes have no effect on the net position of the State and Local Retiree Life Insurance funds.

3 DEPOSITS, INVESTMENTS AND SECURITIES LENDING TRANSACTIONS

Valuation of Securities

The investments of the Retirement Funds are reported in the Statement of Fiduciary Net Position at fair value as prescribed by GASB and per section 25.17(14) of the Wisconsin Statutes. Unrealized gains and losses are reflected in the Statement of Changes in Fiduciary Net Position as "Net Appreciation (Depreciation) in Fair Value of Investments."

The fair value of the Retirement Funds' assets is obtained or estimated in accordance with a pricing hierarchy established with SWIB's custodian, Bank of New York Mellon (BNY Mellon). As prescribed by the hierarchy, a variety of independent pricing sources are used to price assets based on type, class or issue.

When a portfolio includes securities or instruments for which the custodial bank does not receive fair value information from its vendor pricing sources, a variety of

third party pricing methods are used, including appraisals, pricing models and other methods deemed acceptable by industry standards.

The "Equity in Pooled Cash and Cash Equivalents" account reported on the Statement of Fiduciary Net Position consists of short-term investments which are used to meet the liquidity requirements of the Retirement Funds. Equity in Pooled Cash and Cash Equivalents held by the Retirement Funds can include cash on deposit, foreign currencies, cash posted as collateral to counterparties, repurchase agreements, certificates of deposit, U.S. Treasury Bills, short-term investment funds, and other US or foreign liquid financial instruments with maturities that are generally less than three months. Equity in Pooled Cash and Cash Equivalents are reported at fair value or cost, which approximates fair value.

Privately held debt, which is included in "Fixed Income Investments" on the Statement of Fiduciary Net Position, is priced using approaches that value each holding based on the best available information using the following hierarchy of pricing sources:

1. Custodian supplied prices for assets that can be priced in accordance with the pricing hierarchy established with SWIB's custodian
2. Prices provided by a third party with expertise in the bond market

For alternative investments where no readily ascertainable market value exists, including limited partnerships and real estate pooled funds, fair value is estimated based on the net asset value as reported by the general partner. The capital account balance as stated in the most recent available quarterly reporting period is adjusted for subsequent cash flows to derive fair value. The financial statements of the limited partnerships and real estate pooled funds are audited by independent auditors annually.

Real estate properties wholly owned by SWIB are valued by independent appraisers every three years. In years when appraisals are not performed, properties are informally appraised by the asset advisor. Each year, audited financial statements are prepared for each property.

SWIB employs portfolio strategies which involve investments across multiple asset classes. The "Multi Asset Investment" account on the Statement of Fiduciary Net Position consists primarily of hedge funds. SWIB values hedge funds based on monthly statements or estimated returns received from each of the hedge fund's administrators. A third-party administrator's responsibility is to independently account for the hedge fund's activity and calculate the net asset value of the fund. Generally, hedge fund administrators price financial instruments traded in active markets based on quoted market prices or binding dealer quotations. For certain over-the-counter instruments, fair value is determined based on valuation models used by the administrator. Annually, the financial statements prepared by the administrator are audited by independent auditors.

Derivative financial instruments are marked to fair value daily, with valuation changes recognized in income during the period the instruments are held and when the instrument is sold or expires. The nature and use of derivative instruments is discussed later in these notes.

A limited number of securities are carried at cost. Certain non-public or closely held stocks are not reported at fair value, but are carried at cost since no independent quotation is available to estimate fair value for these securities.

Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to SWIB. Fixed income credit risk investment guidelines outline the minimum ratings required at the time of purchase by individual portfolios, or groups of portfolios, based on the portfolios' investment objectives. In addition, some fixed income portfolios are required to carry a minimum weighted average rating at all times. Information regarding SWIB's credit risk related to derivatives is discussed later in these notes.

The table entitled Credit Quality Distribution displays the lowest credit rating assigned by nationally recognized statistical rating organizations on debt securities held by the Retirement Funds as of December 31, 2016. Included in this table are fixed income securities, including certain short term securities, classified as "Equity in Pooled Cash and Cash



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Equivalents" on the Statement of Fiduciary Net Position. Also included are interest rate sensitive investments held in the Retirement Funds' securities lending collateral reinvestment pools, which are managed by SWIB's custodian. Additional information regarding the securities lending program is discussed later in these notes.

The table also includes SWIB's investment in commingled fixed income funds which are not rated. Although the funds themselves are not assigned ratings, external management investment guidelines govern minimum credit quality standards for the investments within each portfolio. These standards are determined based on the investment objectives and risk parameters of each fund.

**Retirement Funds
Credit Quality Distribution
As of December 31, 2016
(In Thousands)**

Rating	Fair Value	% of Total
F1/A-1	\$10,974	0%
AAA/Aaa	444,025	1
AA/Aa	14,644,752	41
A	2,890,989	8
P-2 or A-2	176,756	1
BBB/Baa	2,635,070	7
BB/Ba	912,705	3
B	941,872	3
CCC/Caa or below	320,346	1
Commingled Fixed Income Funds	11,182,669	32
Not Rated	1,180,571	3
Total	\$35,340,729	100%

Reverse Repurchase Agreements

SWIB held \$1.8 billion in reverse repurchase agreements at December 31, 2016. Investment guidelines permit certain portfolios to enter into reverse repurchase agreements, which are a sale of securities with a simultaneous agreement to repurchase the securities in the future at the same price plus a stated rate of interest. The market value of the securities underlying reverse repurchase agreements exceeds the cash received, providing the counterparty a margin against a decline in market value of the securities. If the counterparty defaults on their obligation to sell these securities back to SWIB or provide cash of equal value, SWIB could suffer an economic loss

equal to the difference between the market value of the underlying securities plus accrued interest and the agreement obligation, including accrued interest.

SWIB enters into reverse repurchase agreements with various counterparties and such transactions are governed by Master Repurchase Agreements (MRA). MRAs are negotiated contracts and contain terms in which SWIB seeks to minimize counterparty credit risk. SWIB also controls credit exposures by limiting trades with any one counterparty to stipulated amounts. The counterparty credit exposure is managed through the transfer of margin, in the form of cash or securities, between SWIB and the counterparty. The Retirement Funds' counterparty credit exposure for reverse repurchase agreements at December 31, 2016 is summarized in the table entitled Reverse Repurchase Agreements, Counterparty Credit Exposure.

**Retirement Funds
Reverse Repurchase Agreements
Counterparty Credit Exposure
As of December 31, 2016
(In Thousands)**

Fair Value of Collateral and Margin Held by Counterparty	\$1,880,936
Less:	
Cash due to Counterparty	1,831,169
Collateral and Interest due to Counterparty	1,207
Total due to Counterparty	1,832,376
Net Counterparty Credit Exposure	\$48,560

The cash proceeds from reverse repurchase agreements are reinvested by the Retirement Funds. The maturities of the purchases made with the proceeds of reverse repurchase agreements are not necessarily matched to the maturities of the agreements. The agreed-upon yields earned by the counterparty for the reverse repurchase agreements held were between 0.65% and 1.2% at December 31, 2016. The reverse repurchase agreements had open maturities, whereby a maturity date is not established upon entering into the agreement; however, interest rates on the agreements are negotiated daily. The agreements can be terminated at the will of either SWIB or the counterparty.

The cash due to counterparties resulting from reverse repurchase agreements is reported as "Obligation Under Reverse Repurchase Agreements" and the interest due to

counterparties is included in "Investment Payables" on the Statement of Fiduciary Net Position. The underlying assets, as well as the reinvested proceeds, are reported in the "Investments at Fair Value" section on the Statement of Fiduciary Net Position.

Custodial Credit Risk

Deposits — Custodial credit risk related to deposits is the risk that, in the event of the failure of a depository financial institution, SWIB will not be able to recover deposits that are in possession of an outside party. Cash deposits totaled \$1,119.2 million as of December 31, 2016. Of the total, \$526.2 million was collateralized by securities borrowed. Depository insurance covered another \$41.4 million of the total. The remaining deposits, totaling \$551.6 million were uninsured and uncollateralized. These uninsured deposits represented balances held in foreign currencies in SWIB's custodian's nominee name, cash posted as collateral for derivatives transactions and cash collateral posted in excess of the market value of securities borrowed by SWIB for short sales. In addition to cash deposits, the Retirement Funds also held \$72.2 million in certificates of deposit, all of which were covered by depository insurance as of December 31, 2016.

Investments — Custodial credit risk for investments is the risk that, in the event of failure of the counterparty to a transaction, SWIB will not be able to recover the value of investments that are in the possession of an outside party. The Retirement Funds held eight repurchase agreements totaling \$455.9 million as of December 31, 2016. These repurchase agreements were tri-party agreements held in a short-term cash management portfolio managed by SWIB's custodian. The underlying securities for these agreements were held by the tri-party's agent, not in SWIB's name.

SWIB's custodial credit risk policy addresses the primary risks associated with safekeeping and custody. It requires that SWIB's custodial institution be selected through a competitive bid process and that the institution be designated a "Systemically Important Financial Institution" by the U.S. Federal Reserve. The policy also requires that SWIB be reflected as beneficial owner on all securities entrusted to the custodian and that SWIB have access to safekeeping and custody accounts. The custodian is also required to be insured for errors and omissions and must provide SWIB with an annual report on internal controls, prepared in accordance with the Statement on Standards for Attestation Engagements (SSAE) No. 16. Furthermore, SWIB management has established a system of controls for the oversight of services and related processes of the custodian. SWIB's current custodial bank was selected in

accordance with these guidelines and meets all requirements stipulated in the custodial credit risk policy.

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of an organization's investment in a single issuer. SWIB limits concentrations of credit risk by establishing investment guidelines for individual portfolios or groups of portfolios that generally restrict issuer concentrations in any one company or Rule 144A securities to less than 5% of the portfolio's market value. The Retirement Funds did not hold any investments with a single issuer, exclusive of investments issued or explicitly guaranteed by the U.S. government, representing 5% or more of the Retirement Funds' value at December 31, 2016.

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. SWIB uses a number of different methods to manage interest rate risk. Fixed income instruments held by the Retirement Funds include investments with variable rate securities, stepped rate securities, securities with no coupon, such as discount notes, and coupons that range between 0.0% and 12.75% at December 31, 2016.

Generally, SWIB analyzes long or intermediate term portfolios' interest rate risk using various duration calculations. Modified duration, which is stated in years, is the measure of price sensitivity of a fixed income security to an interest rate change of 100 basis points. The calculation is based on the weighted average of the present values for all cash flows. Some investments are analyzed using an option adjusted duration calculation which is similar to the modified duration method. Option adjusted duration incorporates the duration shortening effect of any embedded call provisions in the securities. Duration statistics are weighted by the dollar value of the position to compute an average duration for each investment type.

Short-term portfolios' interest rate risk is analyzed using the weighted average maturity to next reset. Weighted average maturity is the maturity of each position in a portfolio weighted by the dollar value of the position to compute an average maturity for the portfolio as a whole. This measure indicates a portfolio's sensitivity to interest rate changes: a longer weighted average maturity implies greater volatility in response to interest rate changes.

SWIB's investment guidelines related to interest rate risk vary by portfolio. Some fixed income portfolios are required to be managed within a range of a targeted



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duration, while others are required to maintain a weighted average maturity at or below a specified number of days or years.

The table entitled Interest Rate Sensitivity by Investment Type presents the aggregated interest rate exposure for the Retirement Funds' assets at December 31, 2016. Weighted average maturity, where reset dates are assumed to be the effective maturity date for the security, is presented for repurchase agreements and short term pooled investments. Longer term instruments held by the Retirement Funds are presented using modified duration, as this measure more accurately states the interest rate sensitivity of these investments. The duration statistic is

calculated utilizing reset dates for some floating rate instruments, such as term loans. Information about the interest rate sensitivity of derivative contracts is discussed later in these notes.

SWIB invests in securities with contractual cash flows, such as asset-backed securities and U.S. government agencies. These types of structured product investments may be highly sensitive to interest rate changes in that they can be subject to early payment in a period of declining interest rates. The resulting changes in timing, or possible reduction in expected total cash flows, affect the fair value of these securities.

Retirement Funds
Interest Rate Sensitivity by Investment Type*
As of December 31, 2016
(In Thousands)

Investment Type	Fair Value	Weighted Average Duration (years)	Weighted Average Maturity (days)
Asset Backed Securities	\$28,266	1.8	
Commercial Paper	216,502		18
Corporate Bonds & Private Placements	5,351,749	6	
Corporate Bonds & Private Placements	3,820	N/A	
Foreign Government/Agency Bonds	4,288,317	7.1	
Municipal Bonds	117,483	9.6	
Repurchase Agreements	455,870		3
U.S. Government Agencies	294,270	4.1	
U.S. Treasury Inflation Protected Securities	9,296,545	7.5	
U.S. Treasury Securities	4,160,637	5.2	
U.S. Treasury Securities - Short Positions	(55,399)	0.2	
Commingled Funds			
Domestic Fixed Income	5,240,386	6.7	
Emerging Market Fixed Income	582,551	6.3	
Exchange Traded Funds - Short Positions	(450)	N/A	
Short Term Cash Management	5,360,182		62
Total	\$35,340,729		

* Excludes derivatives.

N/A duration information not available

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely impact the fair value of an investment. It includes the risk that currencies in which a portfolio's investments are denominated, or currencies in which a portfolio has taken on a long/short active position, will decline in value relative to the U.S. dollar.

Foreign currency exchange rates may fluctuate significantly for a number of reasons, including the forces of supply and demand in the foreign exchange markets, actual or perceived changes in interest rates, intervention by U.S. or foreign governments or central banks, currency controls, or political developments in the U.S. or abroad.

SWIB's policies include foreign currency risk management objectives relating to each individual portfolio. These guidelines address the foreign currency management activities permitted for each portfolio based on the portfolios mandates, risk tolerances and objectives. SWIB also employs discretionary currency overlay strategies at the total fund level when currency market conditions suggest such strategies are warranted. Additional information related to the management of foreign currencies through the use of derivatives is discussed later in these notes.

The table entitled Currency Exposures by Investment Type presents the Retirement Fund investments which were exposed to foreign currency risk at December 31, 2016.

Retirement Funds
Currency Exposure by Investment Type
December 31, 2016
Stated in U.S. Dollars
(In Thousands)

Currency	Cash & Cash Equivalents	Stocks	Fixed Income	Limited Partnerships	Preferred Securities	Financial Futures Contracts	Short Sell Obligations	Total
Argentina Peso	\$ 1,925	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,925
Australian Dollar	18,424	1,006,564	58,171	0	0	1,413	(3,880)	1,080,692
Brazilian Real	692	45,502	0	0	21,901	0	0	68,095
British Pound Sterling	41,584	2,677,383	292,648	97,791	0	3,455	0	3,112,861
Canadian Dollar	20,745	1,415,690	70,238	0	0	(188)	(1,777)	1,504,708
Chilean Peso	2	422	0	0	0	0	0	424
Colombian Peso	10	445	0	0	0	0	0	455
Czech Koruna	0	44	0	0	0	0	0	44
Danish Krone	2,848	288,640	22,875	0	0	0	0	314,363
Euro Currency Unit	63,767	4,722,780	1,512,155	659,494	72,447	3,794	(9,272)	7,025,165
Hong Kong Dollar	5,080	605,073	0	0	0	0	0	610,153
Hungarian Forint	194	0	0	0	0	0	0	194
Indian Rupee	16	80,870	0	0	0	0	0	80,886
Indonesian Rupiah	585	13,939	2,382	0	0	0	0	16,906
Israeli New Shekel	408	29,412	0	0	0	0	0	29,820
Japanese Yen	345,768	3,581,767	1,285,693	0	0	2,484	(22,846)	5,192,866
Malaysian Ringgit	569	24,375	14,572	0	0	0	0	39,516
Mexican New Peso	49,353	10,959	43,515	0	0	0	0	103,827
Moroccan Dirham	12	0	0	0	0	0	0	12
New Zealand Dollar	294	27,272	4,521	0	0	0	0	32,087
Norwegian Krone	911	82,891	10,145	0	0	0	(3,245)	90,702
Philippine Peso	534	621	0	0	0	0	0	1,155
Polish Zloty	333	19,286	21,303	0	0	0	0	40,922
Russian Ruble	6	0	0	0	0	0	0	6
Singapore Dollar	2,085	168,644	12,397	0	0	0	(1,890)	181,236
South African Rand	526	33,195	17,294	0	0	0	0	51,015
South Korean Won	55	153,782	0	0	0	0	0	153,837
Swedish Krona	4,752	360,059	15,235	12,244	0	0	(234)	392,056
Swiss Franc	6,176	1,251,591	0	0	0	0	(5,827)	1,251,940
Taiwan New Dollar	20	76,393	0	0	0	0	0	76,413
Thailand Baht	7	51,166	0	0	0	0	0	51,173
Turkish Lira	107	39,431	0	0	0	0	0	39,538
Total	\$ 567,788	\$ 16,768,196	\$ 3,383,144	\$ 769,529	\$ 94,348	\$ 10,958	\$ (48,971)	\$ 21,544,992

1) Commingled funds (including limited partnerships and other pooled vehicles) represent investments where the Retirement Funds own only a portion of the overall fund. While the overall fund may be denominated in U.S. dollars, the underlying investments may be exposed to foreign currency risk in various currencies. Commingled funds are shown in the denomination used by the fund for financial reporting.

2) Short Sell Obligations are reported as liabilities on the Statement of Fiduciary Net Position. They are included in the above table because they have exposure to foreign currency risk.

3) Investment types holding instruments denominated only in U. S. Dollars are not included in the above table. At calendar year-end, these include: Convertible Securities, Multi Asset Investments, Real Estate, Options Contracts, Swaps and Obligation Under Reverse Repurchase Agreements.

4) Values may not add due to rounding.

Fair Value of Investments

Fair value measurements of the investments held by the WRS are categorized by the hierarchy established by generally accepted accounting principles. The hierarchy, which has three levels, is based on the valuation inputs used to measure the fair value of the asset.

Level 1 – Investments reflect unadjusted quoted prices in active markets for identical assets.

Level 2 – Investments reflect prices that are based on inputs that are either directly or indirectly observable for an asset (including quoted prices for similar assets), which may include inputs in markets that are not considered to be active.

Level 3 – Investments reflect prices based upon valuation techniques in which significant inputs or significant value drivers are unobservable.

The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3. When the inputs used to measure fair value fall within different levels of the hierarchy, the level within which the fair value measurement is categorized is based on the lowest level input that is significant to fair value. The categorization of investments within the hierarchy is based upon the pricing transparency of the instrument and does not represent the investment's overall risk.



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Commingled investments are not categorized under the fair value hierarchy but are disclosed within this note as investments measured at net asset value (NAV).

The fair value measurements of investments as of December 31, 2016, are found in the table entitled Investments by Fair Value Level.

Retirement Funds Investments by Fair Value Level As of December 31, 2016 (In Thousands)				
Asset Type	Fair Value			TOTAL
	Level 1	Level 2	Level 3	
Cash Equivalents				
Corporates & Private Placements	\$ 0	\$ 2,346	\$ 0	\$ 2,346
Foreign Government/Agency Securities	0	0	341,915	341,915
U.S. Treasury Securities	156,793	0	0	156,793
Total Cash Equivalents	156,793	2,346	341,915	501,054
Stocks				
Domestic	22,061,707	0	79,966	22,141,673
International	16,768,113	81	0	16,768,194
Total Stocks	38,829,820	81	79,966	38,909,867
Fixed Income				
Asset Backed Securities	0	26,721	1,545	28,266
Corporate Bonds & Private Placements	0	4,963,128	142,898	5,106,026
Foreign Government/Agency Bonds	0	3,921,823	24,579	3,946,402
Municipal Bonds	0	117,483	0	117,483
U.S. Government Agencies	0	294,270	0	294,270
U.S. Treasury Inflation Protected Securities	0	9,296,546	0	9,296,546
U.S. Treasury Securities	0	4,003,844	0	4,003,844
Total Fixed Income	0	22,623,815	169,022	22,792,837
Real Estate	0	0	1,275,526	1,275,526
Preferred Securities				
Domestic	0	38,506	33,687	72,193
International	94,348	0	0	94,348
Total Preferred Securities	94,348	38,506	33,687	166,541
Convertibles	0	0	639	639
Derivatives				
Foreign Exchange Contracts	0	67,024	0	67,024
Futures	(79,142)	0	0	(79,142)
Options	252	0	0	252
Swaps	0	23,624	0	23,624
Total Derivatives	(78,890)	90,648	0	11,758
Equity Short Sales	(259,076)	0	0	(259,076)
Fixed Income Short Sales				
Exchange Traded Funds - Short Positions	(450)	0	0	(450)
U.S. Treasury Securities - Short Positions	(8,988)	(46,411)	0	(55,399)
Total Fixed Income Short Sales	(9,438)	(46,411)	0	(55,849)
Total	\$ 38,733,557	\$ 22,708,985	\$ 1,900,755	\$ 63,343,297

Securities classified as Level 1 are generally valued at the official closing price (usually the last trade price) or the last bid price on the security's primary exchange. Such investments generally include common stock, preferred stock, exchange-traded derivatives and exchange-traded funds. U.S. Treasury Bills and only the most recently issued US Treasury Notes and Bonds are classified as level 1 because available pricing for these securities is similarly reliable to exchange-traded securities.

Securities classified as Level 2 are valued using observable inputs, by third-party pricing services using either a bid evaluation or a matrix-pricing technique. Bid evaluations may include market quotations that are based on yields, maturities, call features and ratings. Matrix-pricing is used to value securities based on their relationship to benchmark market prices for securities with similar interest rates, maturities, and credit ratings. Pricing in this level may also include market approaches that incorporate benchmark interest rates. Other factors such as infrequent trading, inactive market, or adjusted quoted prices may also result in level 2 measurements. Debt securities comprise the majority of the level 2 investments because they are generally traded using a dealer market, with lower trading volumes than level 1 securities. Over-the-counter derivatives, such as swaps and foreign exchange contracts are also included in level 2 because they are

priced using a market approach that considers benchmark interest rates and foreign exchange rates.

Level 3 investments are generally valued using significant inputs that are unobservable to the marketplace. This may occur if an investment is illiquid or its value is based on estimates. For the WRS, such investments primarily include directly held real estate, valued using appraisals and, as such, rely on unobservable inputs. Foreign Government/ Agency securities in level 3 are valued using proprietary valuation models. Stocks and Preferred Securities included in the level 3 hierarchy are generally privately held securities valued using valuation models such as price multiples incorporating public company comparables, discounted cash flows and milestone valuation models. In some instances of privately held preferred securities, valuation is determined based on recent financing rounds. A smaller portion of level 3 investments represent private debt securities which are priced using matrix pricing techniques that include unobservable inputs and judgement to infer a spread over publicly priced fixed income investments. Cash and Cash Equivalents included in level 3 represent securities priced at cost. Typically, due to their short term nature, cost approximates fair value for these investments.



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Investments Measured at NAV

The fair value of investments in certain fixed income funds, private equity limited partnerships, stock funds, real estate limited partnerships and hedge funds are based on the investments' net asset value (NAV) per share (or its equivalent), provided by the investee. The December 31, 2016 investments valued using NAV are shown in the table entitled Investments Measured at NAV and include commingled/pooled funds, private equity and real estate limited partnerships.

Retirement Funds Investments Measured at NAV As of December 31, 2016 (In Thousands)					
Investments Measured at NAV	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period (7)	
Fixed Income (1)	\$ 11,391,233	\$ 136,614	Daily, Monthly, NA (1)	0-15 days, NA (1)	
Private Equity Limited Partnerships (2)	6,564,294	4,951,712	N/A	N/A	
Stock (3)	6,053,490	0	Daily, Monthly, Quarterly	2-45 days	
Real Estate Limited Partnerships (4)	4,721,621	1,103,455	N/A, Quarterly	N/A, 30-90 days	
Hedge Funds (5)	4,407,772	100,000	Various	Various	
Total (6)	<u>\$ 33,138,410</u>	<u>\$ 6,291,781</u>			

(1) A large portion of this category consists of short term cash funds (47%) with the investment objective of safety of principal and liquidity while earning a competitive money market rate of return. Corporate and government bond index funds are another significant portion of this category (46%) and have the investment objective of approximating as closely as practicable the return of a given segment of the markets for publicly traded investments. The short term cash funds and the Corporate and government index funds all have daily liquidity with 0-2 days' notice. An additional 5% of this category represents long-only fixed income managers, which can invest across the credit quality spectrum, in varying geographies, and can include derivatives, high yield and structured securities. These long-only managers require a redemption notice period of approximately 2 weeks and have monthly liquidity. The remaining 2% of this category includes LLCs which invest in private real estate debt. These LLC investments distribute earnings over the life of the investment and have an average remaining life of between 0-5 years.

(2) Private Equity Limited Partnerships include direct, co-investments with existing SWIB general partners, direct secondary investments and fund of funds. These investments are illiquid and are generally not resold or redeemed. Distributions from each fund will be received as the underlying investments are liquidated. The table, Limited Partnerships - Estimated Remaining Life provides an estimate of the period over which the underlying assets are expected to be liquidated.

(3) This category includes emerging markets equity index funds (56%) with an investment strategy designed to track the return of the given segment of the emerging equity markets. This investment can be redeemed daily with 2 days' notice. An additional 40% of this category represents long-only equity managers with various fundamental, quantitative and other approaches spanning various styles, geographies and market cap weights. These long-only manager investments can be redeemed monthly, with between 10 and 30 days' notice. The remaining 4% of this category includes investments structured as Real Estate Investment Trusts which can be redeemed quarterly, with 45 days' notice.

(4) This category includes funds that invest directly in real estate and real estate related assets. Approximately 67% of these investments are generally not resold or redeemed. Distributions from each fund will be received as the underlying investments are liquidated. The table, Limited Partnerships - Estimated Remaining Life provides an estimate of the period over which the underlying assets are expected to be liquidated. The remaining 33% of this category consists of open-ended funds that invest directly in real estate and real estate related assets. Such investments can be redeemed quarterly with between 30 and 90 days' notice.

(5) Hedge Fund investments are private investment funds that seek to produce absolute returns using a broad range of strategies. In certain instances, Hedge Fund investments are structured as limited partnerships, whereby participants receive distributions over the life of the fund. Estimated remaining life of funds structured as limited partnerships is estimated to be between 6-10 years. Additional information relating to Hedge Funds are discussed later in these notes.

(6) WRS had additional unfunded commitments of approximately \$22.4 million, relating to assets not valued using NAV.

(7) Redemption terms described for NAV investments reflect contractual agreements and assume withdrawals are made without adverse market impact and under normal market conditions.

Private Equity and Real Estate Limited Partnerships

In general, the Private Equity Limited Partnerships participated in the following investment strategies at December 31, 2016:

Buyout – This strategy acquires shares of a private company to gain a controlling interest.

Mezzanine – Provides mezzanine debt to finance leveraged buyouts, recapitalizations and corporate acquisitions.

Special Situations – This strategy can invest in public and private companies undergoing financial distress, a turnaround in business operations or which are believed to be undervalued because of a discrete extraordinary event.

Venture Capital – This strategy invests in companies with potential for significant growth (generally small to early stage emerging firms).

The Real Estate Limited Partnerships generally consisted of the following investment strategies at December 31, 2016:

Core – Core investments are expected to deliver a significant percentage of their return from income and should demonstrate lower volatility than Opportunistic and Value investments due to lower leverage, higher occupancy, and asset location.

Value – Value investments typically have significant near term leasing, repositioning, and/or renovation risk. This strategy is expected to have modest initial operating revenues with potential for substantial income growth, and will likely encounter greater volatility than Core strategies, but lower volatility than Opportunistic strategies.

Opportunistic – Opportunistic investments usually have significant development, lease-up, financial restructuring, and/or liquidity risk with little or no initial operating income. This strategy typically uses the highest leverage, is expected to achieve most of its return from future capital gains, and is likely to encounter greater volatility than Core and Value strategies.

Limited partnerships are generally structured to provide distributions to participants of the fund as the holdings of the partnership are liquidated over time. The table entitled Limited Partnerships - Estimated Remaining Life illustrates the distribution of estimated remaining liquidation periods for the Retirement Funds' private equity and real estate limited partnership holdings as of December 31, 2016.

Retirement Funds
Limited Partnerships - Estimated Remaining Life
As of December 31, 2016
(In Thousands)

<u>Limited Partnership Type</u>	<u>Estimated Remaining Life*</u>				
	<u>< 5 Years</u>	<u>5 - 10 Years</u>	<u>> 10 Years</u>	<u>N/A</u>	<u>Total</u>
Private Equity	\$ 560,745	\$ 3,178,904	\$ 2,824,645	\$ 0	\$ 6,564,294
Real Estate	140,083	2,953,883	87,990	1,539,665	4,721,621
Total	\$ <u>700,828</u>	\$ <u>6,132,787</u>	\$ <u>2,912,635</u>	\$ <u>1,539,665</u>	\$ <u>11,285,915</u>

* Estimated remaining life represents subjective estimates, assuming normal market conditions.

N/A investments represent open-ended funds that can be redeemed.

Hedge Funds

Hedge Fund investments are private investment funds that seek to produce absolute returns using a broad range of strategies. The Retirement Funds participated in the following Hedge Fund strategies at December 31, 2016:

Equity Long-Short – This strategy invests both long and short in publicly traded stocks. These managers vary in their use of short selling and leverage.

Event-Driven – The funds in this strategy seek to gain an advantage from pricing inefficiencies that may occur before or after a corporate action or related event, such as a merger, spinoff, earnings call, bankruptcy or restructuring.

Global Macro – The funds in this category invest their holdings in indexes, commodities, interest rate

instruments and currencies as a result of relative value or directional forecasts from a systematic or discretionary approach.

Market Neutral/Arbitrage – This strategy uses a range of fixed income, convertible instruments and/or statistical arbitrage strategies that seek to hedge market related risks to earn consistent returns.

Multistrategy – The funds in this category employ a wide range of strategies and instruments in managing assets.



FINANCIAL SECTION

When redeeming Hedge Fund investments, the agreements governing the investment vehicle oftentimes require advanced notice and may restrict the timing of withdrawals. The table entitled Hedge Fund Redemption Timing depicts redemption terms, irrespective of other contractual restrictions, for Retirement Funds' Hedge Fund investments at December 31, 2016.

Retirement Funds
Hedge Fund Redemption Timing
As of December 31, 2016
(In Thousands)

Redemption Frequency	Redemption Notice Period (days)	Fair Value
Weekly	3 - 7	\$ 361,691
Monthly	2 - 75	1,563,264
Quarterly	30 - 90	1,531,782
Other (1)	65 - 90, N/A	951,035
Total		<u>\$ 4,407,772</u>

(1) This category includes funds that are subject to rolling locks, whereby the fund automatically re-locks unless a withdrawal request is submitted. In addition, this category includes funds that are in a liquidating trust, with final distribution expected in 2017. This category also includes funds that are structured as limited partnerships, whereby withdrawals are not permitted but the participants receive distributions over the life of the fund.

Hedge Fund agreements can also include "lock-up" periods, which restrict investors from redeeming their investment during a specified time frame. The lock-up period helps portfolio managers avoid liquidity problems. Lock-ups can be "hard," where redemptions are not permitted for a specified time period, or "soft," where redemptions are permitted provided the investor pays a penalty. In addition, hedge fund managers can also institute a "rolling" lock-up. A fund with a rolling lock-up period requires investors to commit to an initial lock-up period, and if the investor does not submit a redemption notice within a set time prior to expiration of the lock-up, the lock-up is reset.

The table entitled Hedge Fund Lock-ups reflects the lock-up terms for the Hedge Fund investments held at December 31, 2016.

Retirement Funds Hedge Fund Lock-ups As of December 31, 2016 (In Thousands)			
Hedge Fund Lock Type	Initial Duration of Lock (Years)	Year of Lock Expiration	Fair Value
Soft Lock	1 - 1.5	2017 - 2018	\$ 682,820
Hard Lock	3	2018	224,350
Rolling Lock	2 - 3	2017 - 2019	785,413
None	N/A	N/A	2,549,567
Other (1)	N/A	N/A	165,622
Total			\$ 4,407,772

(1) This category includes funds that are in a liquidating trust, with final distribution expected in 2017. This category also includes funds that are structured as limited partnerships, whereby withdrawals are not permitted but the participants receive distributions over the life of the fund.

Similar to lock-ups, hedge fund agreements also commonly incorporate "gate" restrictions. An investor-level gate limits redemptions on a particular redemption date to a specified percentage of the investor's account value, while a fund level gate may limit total investor withdrawals on a particular redemption date to a percentage of aggregated fund-level (or master fund-level) net asset value. In certain instances, funds can have both investor and fund level gates in place. Such funds are reflected in the "Investor Level" category. The table entitled Hedge Fund Gates summarizes the Hedge Fund gates in place at December 31, 2016.

Retirement Funds Hedge Fund Gates As of December 31, 2016 (In Thousands)		
Hedge Fund Gate Type	Gate Range	Fair Value
Investor Level	25% - 33%	\$ 562,775
Fund Level	8.33% - 25%	1,302,483
None	N/A	2,376,892
Other (1)	N/A	165,622
Total		\$ 4,407,772

(1) This category includes funds that are in a liquidating trust, with final distribution expected in 2017. This category also includes funds that are structured as limited partnerships, whereby withdrawals are not permitted but the participants receive distributions over the life of the fund.



FINANCIAL SECTION

Derivatives

A derivative instrument, as defined by GASB Statement No. 53, is a financial instrument or other contract that has all of the following characteristics:

- **Settlement factors.** It has (1) one or more reference rates and (2) one or more notional amounts or payment provisions or both. Those terms determine the amount of the settlement or settlements and, in some cases, whether or not a settlement is required.
- **Leverage.** It requires no initial net investment or an initial net investment that is smaller than would be required for other types of contracts that would be expected to have a similar response to changes in market factors.
- **Net settlement.** Its terms require or permit net settlement, it can readily be settled net by a means outside the contract, or it provides for delivery of an asset that puts the recipient in a position not substantially different from net settlement.

Derivatives may be used to implement investment strategies for the Retirement Funds. All derivative instruments are subjected to risk analysis and monitoring processes at the portfolio, asset class and fund levels. Investment guidelines define allowable derivative activity for each portfolio and are based on the investment objectives which have been approved by the Board of Trustees. Where derivatives are permitted, guidelines stipulate allowable instruments and the manner and degree to which they are to be used.

Gains and losses for all derivative instruments are reported in the Statement of Changes in Fiduciary Net Position as "Net Appreciation (Depreciation) in Fair Value of Investments." SWIB invests in derivative

investments directly, as well as indirectly through commingled or pooled investments. Information relating to investments held in commingled funds has not been separately disclosed in the financial statements or the accompanying footnotes, consistent with GASB reporting requirements.

A derivative can take the form of an individually negotiated contract between the Retirement Funds and a specific counterparty. These types of negotiated positions are known as over-the-counter (OTC) contracts. OTC contracts can be structured as either "uncleared" or "cleared".

Uncleared OTC contracts are non-standardized bilateral contracts between counterparties and do not include the use of a centralized intermediary, such as a clearinghouse. Uncleared OTC transactions are subject to regulatory requirements with respect to data reporting and recordkeeping, trading relationship documentation, business conduct standards, portfolio reconciliation, and margin collection and posting. For these transactions, master netting agreements and credit support annexes governing the credit relationship and collateral exchange between two counterparties are put in place to mitigate counterparty credit risk.

Cleared OTC contracts offer additional protections to trade participants. These types of transactions employ the use of an intermediary between counterparties. The intermediary, known as a clearinghouse, serves to facilitate trading and mitigate risks. While not completely standardized, these contracts involve a high degree of standardization. Once cleared, the clearinghouse steps in as the counterparty to all trades. Regulatory bodies govern the tools and procedures for risk mitigation such as margin requirements and daily mark-to-market.

In addition to trading OTC, derivative contracts can also be transacted on established exchanges. These types of contracts are called “exchange-traded” and are completely standardized. Like cleared OTC contracts, the clearinghouse is an intermediary to the trade, reducing risks and standardizing the exchange of margin. The table entitled Derivative Contract Types summarizes the differences between OTC and exchange-traded contracts

Retirement Funds Derivative Contract Types		
Uncleared (OTC)	Cleared (OTC)	Exchange-traded
Trades negotiated over-the-counter	Trades negotiated over-the-counter	Trades executed on organized exchanges
Customized trade terms are agreed upon by counterparties	Trades limited to standardized terms	Trades limited to standardized terms
Traded bilaterally between counterparties	Trades are submitted through a clearinghouse, which is counterparty	Trades are booked with exchange’s clearinghouse, which is counterparty
Margin (collateral) often exchanged but subject to negotiation between counterparties	Mandatory margin requirements	Mandatory margin requirements
Common example: Forward Contracts	Common example: Credit Default Swaps	Common example: Futures Contracts

Uncleared OTC Derivatives

Inherent in the use of uncleared OTC derivatives, the Retirement Funds may be exposed to counterparty credit risk. Counterparty credit risk is the risk that a derivative counterparty may fail to meet its payment obligations under the terms of the derivative contract. SWIB seeks to mitigate this risk through counterparty credit evaluations and approvals, counterparty credit limits, and exposure monitoring procedures. Additionally, policies have been established which seek to implement master netting arrangements with counterparties that permit the closeout and netting of transactions with the same counterparty upon the occurrence of certain events, such as payment default, rating downgrade, bankruptcy, illegality or force majeure. Agreements may also require

daily collateral postings to further mitigate credit risk. Cash collateral posted by SWIB for uncleared OTC positions was \$3.1 million at December 31, 2016. In addition, no securities were pledged as collateral relating to uncleared OTC positions.

The Retirement Funds uncleared OTC positions included foreign currency contracts and total return swaps. The table entitled OTC Derivative Investments Subject to Counterparty Credit Risk, summarizes, by credit rating, the Retirement Funds’ exposure to OTC derivative instruments’ counterparty credit risk as of December 31, 2016, without respect to any collateral or netting arrangement.

Retirement Funds OTC Derivative Investments Subject to Counterparty Credit Risk As of December 31, 2016 (In Thousands)			
Counterparty Credit Rating	Payable	Receivable	Fair Value
AA	\$ (198)	\$ 198	\$ 0
A	(4,569,626)	4,638,156	68,530
BBB	(443,733)	464,848	21,115
Total	<u>\$ (5,013,557)</u>	<u>\$ 5,103,202</u>	<u>\$ 89,645</u>



FINANCIAL SECTION

The aggregate fair value of receivables relating to uncleared OTC derivative contracts was \$5.1 billion at December 31, 2016. These amounts represent the maximum loss that would be recognized at the reporting date if all counterparties failed to perform as contracted. This maximum exposure is reduced to \$19.3 million at December 31, 2016 when counterparty collateral and master netting arrangements are taken into account. The number of uncleared OTC counterparties with credit exposure at year-end was nine.

Cleared OTC and Exchange-Traded Derivatives

Counterparty credit risk is mitigated by an intermediary for cleared OTC and exchange-traded derivative contracts. For these types of derivative investments, a clearinghouse interposes itself as counterparty to all trades and extends a guarantee that trades will be settled as originally intended. To ensure performance, margin requirements are imposed. The requirements are established with the intent to cover nearly all expected price changes based on market risk. Margin payments are settled daily based upon the price movements of the contracts, thereby significantly reducing counterparty credit risk. The Retirement Funds posted \$374.3 million in cash and \$237.8 million in securities as collateral with clearing brokers as of December 31, 2016.

Foreign Currency Spot and Forward Contracts

Foreign Currency Spot and Forward contracts are uncleared OTC agreements between two counterparties to exchange designated currencies at a specific time in the future. No cash is exchanged when a foreign exchange spot or forward contract is initiated. Depending upon market movements, forward contracts may require collateral postings either to SWIB or to counterparties. Spot contracts are exempt from collateralization. For deliverable contracts, amounts due are paid or received on the contracted settle date. In other instances (most often in emerging markets), contracts are established as non-deliverable forwards (NDFs). Unlike deliverable contracts, NDFs are only settled in U.S. dollars.

Currency exposure management is permitted through the use of currency derivative instruments. Direct hedging of currency exposure back to the U.S. dollar is permitted when consistent with the strategy of the portfolio. Cross-currency exposure management to transfer out of an exposed currency and into a benchmark currency is permitted. In some portfolios, currencies of non-benchmark countries may be held through the use of forward contracts, provided that the notional value of any single non-benchmark currency does not exceed 5% of the market value of the portfolio. SWIB may employ discretionary currency overlay strategies at the total fund and asset class level when currency market conditions suggest such strategies are warranted.

Losses may arise from future changes in the value of the underlying currency, or if the counterparties do not perform under the terms of the contract. Spot and forward contracts are valued daily with the changes in fair value included in "Net Appreciation (Depreciation) in Fair Value of Investments" on the Statement of Changes in Fiduciary Net Position. The net receivable or payable for spot and forward contracts is reflected as "Foreign Currency Contracts" on the Statement of Fiduciary Net Position. The table entitled Foreign Currency Spot and Forward Contracts presents the fair value of foreign currency spot and forward contract assets and liabilities held by the Retirement Funds as of December 31, 2016.

Retirement Funds			
Foreign Currency Spot and Forward Contracts			
December 31, 2016			
(In Thousands)			
Currency	Notional (local currency)	Fair Value (\$US)	Unrealized Gain/(Loss) (\$US)
Foreign Currency Contract Receivables			
Australian Dollar	308,673	223,350	(574)
Brazilian Real	70,811	21,539	1,187
British Pound Sterling	237,568	293,785	1,290
Canadian Dollar	257,029	191,726	969
Chilean Peso	630,024	939	6
Colombian Peso	3,682,120	1,222	34
Danish Krone	206,245	29,305	305
Euro Currency Unit	375,209	396,332	254
Hong Kong Dollar	334,012	43,087	19
Hungarian Forint	1,947,066	6,654	(212)
Indian Rupee	2,136,987	31,319	105
Indonesian Rupiah	151,688,777	11,196	(115)
Israeli New Shekel	23,322	6,064	18
Japanese Yen	37,070,535	318,352	(4,071)
Malaysian Ringgit	15,759	3,507	(146)
Mexican New Peso	127,797	6,177	(432)
New Zealand Dollar	9,440	6,576	62
Norwegian Krone	305,836	35,540	449
Peruvian Nuevo Sol	20,125	5,987	133
Philippine Peso	140,623	2,831	(60)
Polish Zloty	35,493	8,499	(467)
Russian Ruble	1,575,385	25,581	1,414
Singapore Dollar	36,741	25,428	105
South African Rand	260,887	19,024	286
Swedish Krona	886,398	97,745	1,209
Swiss Franc	123,875	122,126	682
Thailand Baht	460,858	12,867	(22)
Turkish Lira	34	10	0
U.S. Dollar	1,787,022	1,787,022	0
		3,733,790	2,428
Foreign Currency Contract Payables			
Australian Dollar	(77,487)	(56,068)	361
Brazilian Real	(10,991)	(3,347)	(240)
British Pound Sterling	(123,295)	(152,478)	290
Canadian Dollar	(80,496)	(60,045)	(345)
Chilean Peso	(10,650,033)	(15,852)	283
Colombian Peso	(11,492,837)	(3,815)	(21)
Danish Krone	(411,662)	(58,493)	(797)
Euro Currency Unit	(365,251)	(385,771)	2,027
Hong Kong Dollar	(111,496)	(14,383)	(10)
Hungarian Forint	(3,304,191)	(11,291)	183
Indian Rupee	(178,214)	(2,607)	(1)
Israeli New Shekel	(86,656)	(22,531)	(80)
Japanese Yen	(84,333,024)	(727,249)	62,975
Malaysian Ringgit	(15,503)	(3,450)	51
Mexican New Peso	(1,252,738)	(60,450)	615
New Zealand Dollar	(8,287)	(5,772)	208
Norwegian Krone	(21,333)	(2,479)	(34)
Philippine Peso	(140,686)	(2,828)	50
Polish Zloty	(35,539)	(8,510)	(26)
Russian Ruble	(182,581)	(2,969)	(16)
Singapore Dollar	(33,926)	(23,477)	11
South African Rand	(172,723)	(12,608)	(634)
South Korean Won	(9,083,145)	(7,538)	196
Swedish Krona	(253,416)	(27,947)	(370)
Swiss Franc	(35,227)	(34,732)	(437)
Taiwan New Dollar	(390,096)	(12,054)	127
Thailand Baht	(462,405)	(12,911)	134
Turkish Lira	(38,916)	(10,979)	96
U.S. Dollar	(1,924,132)	(1,924,132)	0
		(3,666,766)	64,596
Total		\$67,024	\$67,024



FINANCIAL SECTION

Futures Contracts

A futures contract is an exchange-traded agreement to buy or sell a financial instrument, index or commodity at an agreed upon price and time in the future.

The fair value of futures contracts represents the unrealized gain/(loss) on the contracts, since trade inception, and is reflected as "Financial Futures Contracts" on the Statement of Fiduciary Net Position. Futures contracts are marked to market daily, based upon the closing market price of the contract at the board of trade or exchange on which they are traded. Gains and losses resulting from investments in futures contracts are included in the "Net Appreciation (Depreciation) in Fair Value of Investments" on the Statement of Changes in Fiduciary Net Position.

Futures contracts involve, to varying degrees, risk of loss in excess of the margin deposited with the clearinghouse. Losses may arise from future changes in the value of the underlying instrument.

Futures contracts may be entered into for purposes such as the following:

- To efficiently gain or adjust market exposures for trust fund rebalancing,
- To adjust sector, interest rate, or duration exposures, and
- To securitize cash or as act a substitute for cash market transactions.

The table entitled Futures Contracts presents the Retirement Funds investments in futures contracts as of December 31, 2016.

Retirement Funds Futures Contracts As of December 31, 2016 (In Thousands)				
Futures Contract Description	Position	Expiration	Notional Amount	Fair Value*
Commodity	Long	Jan 17 - Mar 17	\$ 1,906,783	\$ (34,828)
Equity	Long	Mar-17	7,297,830	(41,316)
Equity	Short	Mar-17	(6,663)	95
Fixed Income	Long	Mar-17	7,074,933	(4,983)
Fixed Income	Short	Mar-17	(562,651)	1,890
Total			<u>\$ 15,710,232</u>	<u>\$ (79,142)</u>

* Fair Value includes foreign currency gains/(losses).

The table entitled Futures Contracts with Interest Rate Sensitivity presents the interest rate sensitivity of fixed income futures contracts as of December 31, 2016. Duration, which is stated in years, is the measure of price sensitivity of a fixed income security to an interest rate change of 100 basis points. Duration statistics presented in this table are weighted by the notional value of each position to compute an average duration for the contract types held.

Retirement Funds Futures Contracts with Interest Rate Sensitivity As of December 31, 2016 (In Thousands)				
Contract Type	Position	Notional Amount	Fair Value	Weighted Average Duration (Years)
U.S. Treasury Notes	Long	\$ 5,785,933	\$ (4,647)	3.6
U.S. Treasury Notes	Short	(562,651)	1,890	5.0
U.S. Treasury Bonds	Long	1,186,696	(1,263)	16.9
Foreign Government Bonds	Long	102,304	927	7.9
Total		<u>\$ 6,512,282</u>	<u>\$ (3,093)</u>	

Options

An option contract gives the purchaser of the contract the right, but not the obligation, to buy (call) or sell (put) the security or index underlying the contract at an agreed upon price on or before the expiration of the option contract. The seller of the contract is subject to market risk, while the purchaser is subject to credit risk and market risk, to the extent of the premium paid to enter into the contract.

Trust fund rebalancing policies and certain portfolio investment guidelines permit the use of exchange-traded and uncleared OTC options. Investment Guidelines allow options to be used to improve market exposure efficiency, enhance expected returns, or provide market exposure

hedges. Exchange rules require that the seller of short exchange-traded option contracts cover these positions either by collateral deposits in the form of cash or by pledging, in escrow, the actual securities that would be transferred to the option purchaser in the event the option contract were exercised.

The fair value of option contracts is based upon the closing market price of the contract and is reflected as "Options Contracts" on the Statement of Fiduciary Net Position. Gains and losses as a result of investments in option contracts are included in the "Net Appreciation (Depreciation) in Fair Value of Investments" on the Statement of Changes in Fiduciary Net Position. The table entitled Option Contracts presents the fair value of option contracts as of December 31, 2016.

**Retirement Funds
Option Contracts
As of December 31, 2016
(In Thousands)**

Description	Contract Type	Position	Exchange-Traded (EXCH) vs. OTC	Expiration	Notional	Fair Value	Unrealized Gain (loss)
Equity	Call	Long	EXCH	Jan 17 – July 17	\$ 30,110	\$ 828	\$ 308
	Call	Short	EXCH	Jan 17 - July 17	(12,147)	(123)	125
	Put	Long	EXCH	Mar-17	1,467	29	(2)
	Put	Short	EXCH	Jan 17 - May 17	(49,461)	(482)	11
Total					<u>\$ (30,031)</u>	<u>\$ 252</u>	<u>\$ 442</u>



FINANCIAL SECTION

Swaps

Swaps are negotiated contractual agreements between two counterparties which can be cleared or uncleared OTC investments. Throughout the calendar year, the Retirement Funds held positions in Total Return Swaps (TRS), Interest Rate Swaps (IRS) and Credit Default Swaps (CDS).

As is specified in SWIB's investment guidelines, swaps may be used as an alternative to physical securities when it is deemed advantageous for portfolio construction. In

addition, swaps may be used to adjust asset class exposures for the Retirement Funds. Guideline limits and soft risk parameters for each portfolio are applied to the aggregate exposures which includes both physical and synthetic securities. A synthetic security is created by combining securities to mirror the properties of another security.

The table entitled Open Swap Positions lists the open swap contracts held at December 31, 2016. As noted in the table, certain swap terms are based on the 3-month London Interbank Offering Rate (LIBOR).

**Retirement Funds
Open Swap Positions
As of December 31, 2016
(In Thousands)**

Description	Date Initiated	Maturity Date	Reference Rates	Notional Amount	Fair Value
Total Return Swaps	Apr-16	Apr-17	Pay 3-month LIBOR, Receive Equity Index Return	\$ 548,203	\$ 31,437
Total Return Swaps	Sep-16	Sep-17	Pay 3-month LIBOR, Receive Equity Index Return	797,584	(7,813)
Total				\$ 1,345,787	\$ 23,624

TRS positions represent uncleared OTC contracts where fair value is determined based on the change in quoted market price of the underlying equity index. The fair value of swaps represents the unrealized gain/(loss) on the contracts, since trade inception, and is reflected as "Swaps" on the Statement of Fiduciary Net Position. Any interest owed but not yet paid relating to TRS contracts is reported within the account "Investment Payables" on the Statement of Fiduciary Net Position.

Gains and losses resulting from investments in swap contracts are included in the "Net Appreciation (Depreciation) in Fair Value of Investments" on the Statement of Changes in Fiduciary Net Position. Interest expense relating to TRS contracts is reported as "Investment Expense" on the Statement of Changes in Fiduciary Net Position.

Securities Lending Transactions

State statutes and Board policies permit SWIB to use investments of the Retirement Funds to enter into securities lending transactions. These transactions involve the lending of securities to broker-dealers and other entities in exchange for collateral, in the form of cash or securities, with the simultaneous agreement to return the collateral for identical securities in the future. SWIB's custodian is an agent in lending the Retirement Funds' directly held domestic and international securities. When the Retirement Funds' securities are delivered to a borrower as part of a securities lending agreement, the borrower is required to place collateral with the lending agent equal to at least 102% of the loaned securities' fair value, including interest accrued, as of the delivery date, so long as the securities and the collateral are denominated in the same currency. In the event that securities are loaned against collateral denominated in a different currency, the borrower is required to place collateral with the lending agent totaling at least 105% of the loaned securities' fair value, including interest accrued, as of the delivery date. Collateral is marked to market daily and adjusted as needed to maintain the required minimum level. Pledging or selling non-cash collateral securities cannot be done without a borrower default. On

December 31, 2016, the fair value of the securities on loan was approximately \$12.0 billion.

Cash collateral is reinvested by the lending agent in two separate pools, a U.S. dollar cash collateral pool and a pool denominated in Euros. These pools are administered in accordance with contractual investment guidelines which are designed to minimize the risk of principal loss and provide a modest rate of return. Investment guidelines limit credit and liquidity risk by restricting new investments to overnight repurchase agreements collateralized with high quality U.S. government, U.S. government agencies, and sovereign debt securities. To further reduce credit risk, SWIB's custodian provides indemnification to SWIB against counterparty default. The earnings generated from the collateral investments, plus or minus the rebates received from or paid to the dealers and less fees paid to agents, results in the net earnings from lending activities, which are then split on a percentage basis with the lending agent. Cash from the U.S. dollar pool may be posted as collateral relating to short sale transactions and earns the Overnight Bank Funding rate plus 10 basis points. Additional information relating to short sales is discussed later in these notes.

At December 31, 2016, the Retirement Funds had minimal credit risk exposure to borrowers because the amounts owed to the borrowers exceeded the amounts the borrowers owed the Retirement Funds. In addition to the cash collateral reinvestment indemnification, the contract with the lending agent requires it to indemnify the Retirement Funds if the borrowers fail to return the loaned securities and the collateral is inadequate to replace the securities lent. The Retirement Funds are also indemnified against losses resulting from violations of investment guidelines.

The majority of security loans are open-ended and can be terminated on demand by the Retirement Funds or the borrower. Maturities of investments made with cash collateral are not necessarily matched to the maturities of the securities loaned because most loans do not have a fixed maturity date. The risk that SWIB would be unable to return collateral to securities borrowers upon termination of the loan is low because all the investments made with cash collateral mature within seven business days. The average maturities of the loans and the average maturities of the assets held in the collateral reinvestment pools did not materially differ at December 31, 2016.

Securities lending is allowed in certain commingled fund investments. As an investor in such funds, SWIB does not own the underlying securities and does not separately

report on securities lending activity. All earnings of these funds are reported in the Statement of Changes in Fiduciary Net Position as "Net Appreciation (Depreciation) in Fair Value of Investments".

Short Sell Obligations

The Retirement Funds may sell a security it does not own in anticipation of purchasing the security later at a lower price. This is known as a short sale transaction. For the duration of the short sale transaction, a liability is recorded under "Short Sell Obligations" on the Statement of Fiduciary Net Position. The liability presented on the Statement of Fiduciary Net Position represents the fair value of the shorted securities necessary for delivery to the purchaser and is marked-to-market daily. Realized and unrealized gains and losses associated with short sales are recorded on the Statement of Changes in Fiduciary Net Position, within in the "Net Appreciation (Depreciation) in Fair Value of Investments" account. Prior to executing a short sale, SWIB will borrow the security from a party currently holding it. While the transaction is open, the Retirement Funds incur expenses for securities borrowing costs. In addition, as a security borrower, the Retirement Funds may incur dividend and interest expense as such payments must be remitted to the security lender during the course of the loan. During the duration of the borrow, there may be corporate action elections requiring the borrower to deliver items such as cash or securities to the lender. Expenses resulting from short sales are included in "Investment Expense" on the Statement of Changes in Fiduciary Net Position.

Risks arise from short sales due to the possible illiquidity of the securities markets and from potential adverse movements in security values. The cost to acquire the securities sold short may exceed the amount of proceeds initially received, as well as the amount of the liability recorded as "Short Sell Obligations" in the Statement of Fiduciary Net Positions. Short sales expose the short seller to potentially unlimited liability because there is no upward limit on the price a shorted security could attain. Certain portfolio guidelines permit short sales and mitigate risks in various ways, such as: limiting the total value of short sales as a percentage of portfolio value, establishing portfolio vs. benchmark tracking error limits and monitoring other statistical and economic risk measures of the portfolio. Investment performance and risk associated with each portfolio is measured against benchmarks and monitored by management.

When a short sale occurs, the shorting portfolio must borrow the security and deliver it to the buyer. If the



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shorted security is owned by another Retirement Fund portfolio, investment policies allow the borrowing of the shorted securities from other Retirement Fund portfolios, including inter-fund borrowings. In addition to borrowing securities from existing Retirement Fund portfolios, SWIB may borrow securities from external sources. These borrowings are facilitated by SWIB's custodian.

Except in the case of borrowings within the same trust fund, the Retirement Funds are required to post collateral to the lender, at the required rate of 102% for in-currency loans and 105% for cross-currency loans. The Retirement Funds posted \$551.3 million in cash collateral to security lenders representing \$26.2 million in excess of the fair market value of the securities borrowed as of December 31, 2016. If the security lender recalled the security and SWIB was not able to supply the lender with the security, the lender would be permitted to use SWIB's collateral to fund the purchase of the security.

Investment Policy and Asset Allocation

SWIB is required by section 25.15(2)(b) of the Wisconsin Statutes "To diversify investments in order to minimize the risk of large losses, unless under the circumstances it is clearly prudent not to do so, considering each trust's or fund's portfolio as a whole at any point in time."

SWIB's Board of Trustees has established investment guidelines pursuant to a comprehensive and ongoing evaluation of the appropriate risk and return standards for each fund under management. Trustees have a fiduciary responsibility, with respect to the Core Fund and the Variable Fund, to act solely in the interest of the WRS. The Board of Trustees consists of nine members meeting specific requirements as follows:

- Six Governor-appointed and State Senate-approved members including:
 - Four with at least ten years investment experience
 - One with at least ten years financial experience and who works for a local government participant in the Local Government Investment Pool
 - One additional member
- Educator participant in the WRS appointed by the Teachers Retirement Board
- Non-educator participant in the WRS appointed by the Wisconsin Retirement Board
- Secretary of the Department of Administration or designee

The Board of Trustees-approved guidelines are intended to assist in development of a diversified portfolio of investments, tailored to accomplish the purpose of each fund within acceptable risk parameters. They represent a delegation of standing authority to the SWIB's Executive Director and investment managers within the organization to make prudent investments within the investment guidelines, pursuant to sections 15.02(4) and 25.16(1) of the Wisconsin Statutes and section IB 2.02 of the Wisconsin Administrative Code.

Additionally, the Investment Committee (IC) was created to provide oversight of SWIB investments within the parameters established by the Board of Trustees. Oversight includes analysis of risk and return of the portfolio, asset class, and Core and Variable Funds. The IC is responsible for proposing to the Board of Trustees changes to investment guidelines for internally managed portfolios, for approving investment guidelines or strategies for externally managed portfolios, approving the general strategies for each asset class, and for approving individual strategies within the Multi Asset portfolios.

The Board of Trustees adopts the Retirement Funds' asset allocation policy, based on recommendations by the IC and asset allocation consultant. SWIB undertakes a review of its strategic asset allocation plan every other year, including asset/liability modeling, to determine a suitable target allocation for each asset class included in the Core and Variable Funds. The strategic nature of these reviews contemplates a long-term time horizon over which potential results are evaluated. This exercise is not an attempt to predict short-term market movements, but an effort to understand the long-term impacts of poor, normal and above average market results. In the "off year" of the two-year cycle, structural asset allocation adjustments and other funding initiatives are considered.

In addition to potential future market impact, SWIB also contemplates the objectives of the funds, the impact of actuarial analysis and the soundness of investment return and risk expectations. SWIB's asset allocation policies reflect the Board of Trustees program of risk allocation that involves reduced equity exposure coupled with leveraged low-volatility assets, such as "fixed income" securities. This investment strategy results in Core Fund strategic targets which exceed 100% of invested assets. Currently the Core Fund has adopted an asset allocation target of 10% leverage, however over time it is anticipated that SWIB will move toward an asset allocation that includes 20% leveraging of low volatility assets. As SWIB increases the degree of leverage and moves toward the destination target asset allocation, the Board of Trustees will be informed of the nature and method used for each

incremental step. Before implementing leverage beyond 10%, the Board of Trustees, SWIB’s asset allocation consultant and staff will engage in additional focused asset allocation discussion.

SWIB’s asset allocation review process also includes assumptions regarding expected rates of return. Long-term (e.g. 30-year) expected real rates of return on pension plan investments are determined using a building block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan

investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected real rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The table entitled Asset Allocation Targets and Expected Returns presents the policy asset allocation targets most recently approved by the Board of Trustees in December, 2016, the destination asset allocation targets and the best estimates of expected geometric rates of return for each major asset class as of December 31, 2016.

**Retirement Funds
Asset Allocation Targets and Expected Returns
As of December 31, 2016**

<u>Core Fund Asset Class</u>	<u>Asset Allocation %</u>	<u>Destination Target Asset Allocation %</u>	<u>Long-Term Expected Nominal Rate of Return %</u>	<u>Long-Term Expected Real Rate of Return %</u>
Global Equities	50 %	45 %	8.3 %	5.4 %
Fixed Income	24.5	37	4.2	1.4
Inflation Sensitive Assets	15.5	20	4.3	1.5
Real Estate	8	7	6.5	3.6
Private Equity/Debt	8	7	9.4	6.5
Multi-Asset	4	4	6.6	3.7
Total Core Fund	110 %	120 %	7.4 %	4.5 %
Variable Fund Asset Class				
U.S. Equities	70	70	7.6	4.7
International Equities	30	30	8.5	5.6
Total Variable Fund	100 %	100 %	7.9 %	5.0 %

New England Pension Consultants Long Term US CPI (Inflation) Forecast: 2.75%

Asset Allocations are managed within established ranges, target percentages may differ from actual monthly allocations

For purposes of determining asset allocation targets, investments may be categorized differently than they are within the financial statements. For example, SWIB’s management considers inflation sensitive assets separately from other “fixed income” investments for asset allocation purposes.

Annual Money-Weighted Rate of Return

Money-weighted rate of return expresses investment performance, net of pension plan investment expense, adjusted for the changing amounts actually invested. For the year ended December 31, 2016, the money-weighted rate of return for the Core Fund was 8.29% and 10.49% for the Variable Fund.

4 DESCRIPTION OF THE WISCONSIN RETIREMENT SYSTEM

The WRS is a cost-sharing, multiple-employer public employee retirement system established and administered by the State of Wisconsin to provide pension benefits for state and local government employees. WRS benefits and other plan provisions are established by Chapter 40 of the Wisconsin Statutes. Benefit terms may only be modified by the legislature. ETF, under the direction of the ETF Board, is responsible for the administration of the WRS.



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Employee Trust Funds Board

The ETF Board has general oversight of ETF, appoints the ETF Secretary and oversees administration of the benefit programs, other than group insurance and deferred compensation. The ETF Board is comprised of 13 members, including:

- the Governor or the Governor’s designee on the Group Insurance Board
- the Administrator of the Department of Administration’s Division of Personnel Management or the Administrator’ designee
- 4 members appointed by the Teachers Retirement Board (an advisory board to the ETF Board)
- 4 members appointed by the Wisconsin Retirement Board (an advisory board to the ETF Board)
- a public member who is not a participant in or beneficiary of the WRS, with at least 5 years of experience in actuarial analysis, administration of an employee benefit plan or significant administrative responsibility in a major insurer
- a WRS annuitant
- a participant in the WRS who is a technical college or public school district educational support personnel employee

WRS Employers

The WRS is open to all public employers in Wisconsin. Participation is optional, except that participation is mandatory for school districts with respect to teachers, some municipalities with respect to police and firefighters, and all counties except Milwaukee County. As of December 31, 2016, the number of participating employers was:

State Agencies, UW & Public Authorities	58
Cities	152
Counties	71
4th Class Cities	36
Villages	266
Towns	254
School Districts	422
Cooperative Educational Service Agencies	12
Wisconsin Technical College System Districts	16
Special Districts	208
Total Employers	<u><u>1,495</u></u>

WRS Membership

All eligible employees of a participating employer who are expected to work at least 1,200 hours per year (880 hours per year for teachers and school district educational support employees) must be covered by the WRS. As of December 31, 2016, the WRS membership consisted of:

Current Employees:

General	133,843
Teachers	99,850
Elected / Executive / Judges	1,369
Protective with Social Security	19,468
Protective without Social Security	2,755
Total Current Employees	<u><u>257,285</u></u>

Inactive Participants:

Terminated Participants	163,145
Alternate Payees	4,046
Total Inactive Participants	<u><u>167,191</u></u>

Retirees and Beneficiaries

Currently Receiving Benefits:

Retirement Annuities	190,111
Disability Annuities	6,198
Death Beneficiary Annuities	1,338
Total Annuitants	<u><u>197,647</u></u>

Total Participants	<u><u>622,123</u></u>
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WRS Benefits

The WRS provides retirement benefits as well as death and disability benefits. Vesting requirements have changed over time, as follows:

- Participants in the system prior to January 1, 1990, were fully vested at the time they met participation requirements;
- For participants entering the system from January 1, 1990, to April 23, 1998, creditable service in each of five years was required for vesting;
- All active participants in the system at any time from April 24, 1998 to June 30, 2011 are fully vested;
- 2011 Wisconsin Act 32 generally required participants hired on or after July 1, 2011 to have five years of creditable service to be vested.

Employees who retire at or after age 65 (54 for protective occupations and 62 for elected officials and executive service retirement plan participants) are entitled to a retirement benefit based on a formula factor, their final average earnings, and creditable service. Formula factors are shown in the table below:

Employment Category	Service Before 1/1/2000	Service Between 2000 & 2011	Service After 2011
General and Teachers	1.765%	1.6%	1.6%
Executive and Elected	2.165	2.0*	1.6*
Protective with Social Security	2.165	2.0	2.0
Protective without Social Security	2.665	2.5	2.5

* 2011 Wisconsin Act 10 changed the Executive and Elected formula factor from 2.0% to 1.6%. The effective date of the change varies among different employee categories, and generally applies to the services earned after Act 10 effective date (i.e., June 29, 2011).

Final average earnings is the average of the participant's three highest annual earnings periods. Creditable service includes current service and prior service for which a participant received earnings and made contributions as required. Creditable service also includes creditable military service. The retirement benefit will be calculated as a money purchase benefit based on the employee's contributions plus matching employer's contributions, with interest, if that benefit is higher than the formula benefit.

Vested participants may retire at or after age 55 (50 for protective occupations) and receive an actuarially-reduced benefit. Participants terminating covered employment prior to eligibility for an annuity may either receive employee-required contributions plus interest as a separation benefit or leave contributions on deposit and defer application until eligible to receive a retirement benefit

Post-Retirement Adjustments

The Employee Trust Funds Board may periodically adjust annuity payments from the retirement system based on annual investment performance in accordance with s. 40.27, Wis. Stat. An increase (or decrease) in annuity payments may result when investment gains (losses), together with other actuarial experience factors, create a surplus (shortfall) in the reserves, as determined by the system's consulting actuary. Annuity increases are not based on cost of living or other similar factors. For Core annuities, decreases may be applied only to previously granted increases. By law, Core annuities cannot be reduced to an amount below the original, guaranteed amount (the "floor") set at retirement.

The Core and Variable Fund annuity adjustments granted during the past 10 years are as follows:

Year	Core Adjustment	Variable Adjustment
2007	3.0%	10.0%
2008	6.6	0.0
2009	(2.1)	(42.0)
2010	(1.3)	22.0
2011	(1.2)	11.0
2012	(7.0)	(7.0)
2013	(9.6)	9.0
2014	4.7	25.0
2015	2.9	2.0
2016	0.5	(5.0)

The negative Core annuity adjustments from 2009 to 2013 were primarily due to the Fund's \$21.0 billion investment decline in 2008, caused by the global economic crisis. Core Fund gains and losses are recognized over a five-year period.

Long-term Receivables

The "Prior Service Contributions Receivable" on the Statement of Fiduciary Net Position represents the WRS unfunded actuarial accrued liability (UAAL), determined under the plan's Frozen Initial Liability funding methodology. This liability is being amortized as a level percentage of payroll over a 40-year period beginning January 1, 1990, for employers in the WRS prior to 2009. The remaining balance is expected to be fully amortized by December 31, 2029. Liabilities for employers joining the WRS beginning in 2009 are amortized over 30 years. Interest is assessed on the outstanding liability at year-end at the assumed earnings rate. The level-percentage-



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of-payroll amortization method results in a relatively lower dollar contribution in earlier years than in later years, when payrolls have increased. During the early years of the amortization period, payments made are less than annual interest assessments, resulting in an increase in the liability. As payrolls increase annually, prior service payments increase proportionally until they exceed annual interest and ultimately fully liquidate the liability at the end of the amortization period. State law requires the accrued retirement cost to be funded. As of December 31, 2016, the receivable balance was \$18.0 million.

Variable Retirement Option

Prior to 1980, WRS participants could opt to have one-half of their required contributions and matching employer contributions invested in the Variable Fund. Retirement benefits were adjusted for the difference between the investment experience of the Core Fund and the Variable Fund. Provisions for allowing members to withdraw from the Variable Fund were added with the passage of Chapter 221, Laws of 1979. The Variable Fund was closed to new membership after April 30, 1980. 1999 Wisconsin Act 11 reopened the Variable Fund for existing and future participants, effective January 1, 2001. As of December 31, 2016, there were 58,306 active and inactive members and 40,647 annuitants participating in the Variable Fund.

Municipal Police and Firefighters Pension Group

As of March 31, 1978, administration of certain local funds for police officers and firefighters was assumed by the Wisconsin Retirement Fund. This included approximately 2,000 members. As of December 31, 2016, approximately 80 annuitants or their beneficiaries remained in the system. This group was closed to new members after January 1, 1948.

The liability for retirement benefits for these annuitants is funded by the employers, as benefit payments are made. Annuity reserves for these police and firefighter annuities are established by a transfer from the employer accumulation reserve at the time the annuity is approved. Earnings on these reserves are used to fund annuity adjustments on the same basis as for WRS annuitants. The unfunded liability for these annuitants as of December 31, 2016, was \$2.3 million.

Annuity Supplement - General Fund

As authorized under 1985 Wis. Stats. § 40.27 (1), the State's General Fund provides certain supplemental annuity benefits to annuitants receiving a continuing annuity on or before September 1974. The benefit is subject to continuation of the appropriation by the Legislature. ETF serves as a clearing agent for its payment. Total supplemental annuity benefits paid were approximately \$158,000 in 2016.

5 CONTRIBUTIONS REQUIRED AND MADE

Required Contributions

Contribution rates are determined by the "entry age normal with a frozen initial liability" actuarial method. This is a "level contribution" actuarial method intended to keep employer and employee contribution rates at a level percentage of payroll over the years. This method determines the amount of contributions necessary to fund: 1) the current service cost, which represents the estimated amount necessary to pay for benefits earned by the employees during the current service year plus actuarial gains or losses arising from the difference between actual and assumed experience; and 2) the prior service cost, which represents the estimated amount necessary to pay for unfunded benefits earned prior to the employer becoming a participating employer in WRS and the past service cost of benefit improvements.

The 2016 contribution requirements were determined by the December 31, 2014, actuarial valuation.

Employee contributions are deducted from the employee's salary and remitted to ETF by the participating employer. Employers generally may not pay the employee required contribution. The employee required contribution is one-half of the actuarially-determined contribution rate for General category employees, which includes teachers and employees in the Executive and Elected Official category. Employee required contributions for Protective occupation category employees are the same rate as General category employees. Employers are required to contribute the remainder of the actuarially-determined contribution rate.

Contribution rates in effect during 2016 by employment category were:

	Employer Current	Employer Prior*	Employee	Total
General, Teachers, Executive & Elected Officials	6.6%	0.0%	6.6%	13.2%
Protective Occupation with Social Security	9.4	0.0	6.6	16.0
Protective Occupation without Social Security	13.2	0.2	6.6	19.8

* The employer prior service contribution rate is a weighted average of individual employer rates.

Contributions required and made during 2016 were:

	Contributions (In Millions)	Percentage of Payroll
Employer Current Service	\$954.2	6.96%
Employer Prior Service*	1.2	0.01
Employee Required	905.7	6.61

* Employer Prior Service contributions are recorded on the Statement of Fiduciary Net Position as a reduction in the Prior Service Contribution Receivable. Contributions Made includes both mandatory and voluntary payments received from participating employers. Some Prior Service contributions received after year end are included in Contributions Made, but are not in the determination of Prior Service Contributions Receivable. This is due to a difference in how these payments are treated for actuarial and financial reporting purposes.

Employers also contributed \$665,000 in reimbursement for benefits paid under the s. 62.13, Wis. Stat, Police and Firefighters Pension Program.

Employee and Employer Additional Contributions

Contributions in addition to those required contributions by employees and/or employers may be made to the retirement system. These contributions are held in separate reserve accounts and are subject to certain restrictions as to amount, form of benefit payments, tax status, etc.

6 NET PENSION LIABILITY (ASSET) OF PARTICIPATING EMPLOYERS - WRS

The components of the net pension liability (asset) of the participating employers at December 31, 2016, were as follows (In Millions):

Total Pension Liability	\$93,404.34*
Plan Fiduciary Net Pension	\$92,580.10**
Participating Employers' Net Pension Liability (Asset)	\$824.24
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	99.12%

* Includes the impact of known Market Recognition Account deferred gain/losses on the liability for dividend payments.

** Immaterial differences may exist between the Plan Fiduciary Net Position used in the actuarial valuation and that reported in the Statement of Fiduciary Net Position, due to the timing of the actuarial valuation.

Additional information as of the latest actuarial valuations follows:

Actuarial Valuation Date:	December 31, 2015
Measurement Date of Net Pension Liability:	December 31, 2016
Actuarial Cost Method:	Entry Age
Asset Valuation Method:	Fair Value
Long-Term Expected Rate of Return:	7.2%
Discount Rate:	7.2%
Salary increases:	
Inflation	3.2%
Seniority/Merit	0.2% - 5.6%
Mortality:	Wisconsin 2012 Mortality Table
Post-retirement Adjustments:	2.1%*

* No Post-retirement adjustment is guaranteed. Actual adjustments are based on recognized investment return, actuarial experience and other factors. 2.1% is the assumed annual adjustment based on the investment return assumption and the post-retirement discount rate. Includes the impact of known Market Recognition account deferred gains/losses on the liability for dividend payments.



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Actuarial assumptions are based upon an experience study conducted in 2015 using experience from 2012 – 2014. The total pension liability for December 31, 2016, is based upon a roll-forward of the liability calculated from the December 31, 2015, actuarial valuation.

A single discount rate of 7.20% was used to measure the total pension liability (asset), which was based on the expected rate of return on pension plan investments. Because of the unique structure of WRS, the 7.20% expected rate of return implies that a dividend of approximately 2.1% will always be paid after reflecting known changes in the Market Recognition Account. For purposes of the single discount rate, it was assumed that the dividend would always be paid.

The projection of cash flows used to determine the single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments (including expected dividends) 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.

Sensitivity of the Net Pension Liability (Asset) to Changes in the Discount Rate

The following presents the plan's net pension liability (asset), calculated using a single discount rate of 7.20%, as well as what the plan's net pension liability (asset) would be if it were calculated using a single discount rate that one percentage point lower or one percentage point higher:

	1% Decrease (6.2%)	Current Discount Rate (7.2%)	1% Increase (8.2%)
Total Pension Liability	\$ 103,423.5	\$ 93,404.3	\$ 85,689.1
Plan Fiduciary Net Position	\$ 92,580.1	\$ 92,580.1	\$ 92,580.1
Net Pension Liability/(Asset)	<u>\$ 10,843.4</u>	<u>\$ 824.2</u>	<u>(\$ 6,891.0)</u>

Amounts may not foot due to rounding

For the WRS, the determination of liabilities also depends on the assumed dividend which is linked to the interest rate used in the liability calculation. Therefore, we have also shown an alternative set of Sensitivity Analysis which varies the assumed dividend in conjunction with the change in the discount rate. For the liabilities shown below, the assumed dividend was 1.1% for the 6.2% discount rate, 2.1% for the 7.2% discount rate, and 3.0% for the 8.2% discount rate. (In Millions):

	1% Decrease (6.2%)	Current Discount Rate (7.2%)	1% Increase (8.2%)
Total Pension Liability	\$ 96,874.4	\$ 93,404.3	\$ 89,738.9
Plan Fiduciary Net Position	\$ 92,580.1	\$ 92,580.1	\$ 92,580.1
Net Pension Liability/(Asset)	<u>\$ 4,294.3</u>	<u>\$ 824.2</u>	<u>(\$ 2,841.2)</u>

Amounts may not foot due to rounding

7 STATUTORY RESERVES

The following reserves have been established to reflect legal restrictions on the use of pension trust funds.

Employee Accumulation Reserve

As authorized by Wis. Stats. § 40.04 (4), this reserve includes all required and voluntary employee contributions, including contributions made by the employer on behalf of the employee. This reserve may only be used to pay lump sum benefits or transfers to the Annuity Reserve to fund annuities. All legal restrictions on use of this reserve were met during the year. The Employee Accumulation Reserve is fully funded.

Employee Accumulation Reserve balances (In Millions) as of December 31, 2016, were:

	Core	Variable	Total
Employee Required	\$ 15,615.8	\$ 1,562.5	\$ 17,178.3
Employee Additional	<u>169.7</u>	<u>14.2</u>	<u>183.9</u>
Total	<u>\$ 15,785.5</u>	<u>\$ 1,576.7</u>	<u>\$ 17,362.2</u>

Employer Accumulation Reserve

As authorized by Wis. Stat. § 40.04 (5), this reserve includes all required employer contributions, including contributions for amortization of the unfunded accrued actuarial liability. This reserve may only be used to pay lump sum benefits or transfers to the Annuity Reserve to fund annuities. All legal restrictions on use of this reserve were met during the year. The Employer Accumulation Reserve is 99.9% funded.

Employer Accumulation Reserve balances (In Millions) as of December 31, 2016, were:

	Core	Variable	Police & Firefighters	Total
Employer Accumulation	\$20,748.3	\$1,562.5	\$0.0	\$22,310.8
Less: Unfunded Actuarial Accrued Liability	<u>0.0</u>	<u>0.0</u>	<u>(2.3)</u>	<u>(2.3)</u>
Net Employer Accumulation	<u>\$ 20,748.3</u>	<u>\$ 1,562.5</u>	<u>\$ (2.3)</u>	<u>\$ 22,308.5</u>

Annuity Reserve

As authorized by Wis. Stat. § 40.04 (6), this reserve includes the present value of all annuities. The present value of new annuities is transferred from the Employee Accumulation Reserve and the Employer Accumulation Reserve to the Annuity Reserve. This reserve may only be used for the payment of annuities and death benefits to annuitants. All legal restrictions on use of this reserve were met during the year. The Annuity Reserve is fully funded.

Annuity Reserve balances (in Millions) as of December 31, 2016, were:

	Core	Variable	Police & Firefighters	Total
Annuity Reserve	\$51,965.7	\$3,790.1	\$6.0	\$55,761.8



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Market Recognition Account

As authorized by Wis. Stat. § 40.04 (3), this reserve is used to smooth the flow of investment income into the Employee, Employer, and Annuity Reserves and other benefit plans invested in the Core Fund. Under the Market Recognition Account (MRA), all investment income, including realized and unrealized market gains and losses, is deposited into the MRA. At year-end, income equal to the assumed earnings rate is recognized. Any surplus or shortfall in earnings is recognized equally over five years.

Year-end balances in the MRA (In Millions) for the last five years after annual distributions were as follows:

As of:	MRA
December 31, 2012	2,451
December 31, 2013	4,721
December 31, 2014	2,540
December 31, 2015	(3,404)
December 31, 2016	(3,086)

8 PUBLIC ENTITY RISK POOLS

ETF operates four public entity risk pools: Health Insurance, Income Continuation Insurance (ICI), Long-Term Disability Insurance (LTDI), and Life Insurance. In accordance with GASB Statement No. 10, *Accounting and Financial Reporting for Risk Financing and Related Insurance Issues*, these funds are accounted for as enterprise funds

Health Insurance Fund

The Health Insurance Fund offers group health insurance for current employees of the State of Wisconsin and of participating local public employers. All public employers in the state are eligible to participate. The State of Wisconsin and 354 local employers participated during the year. The fund includes both a self-insured fee-for-service plan as well as various prepaid plans, primarily Health Maintenance Organizations (HMOs).

The Health Insurance Fund includes four separate risk pools. The first pool includes those members who have chosen health insurance coverage from an HMO. All liabilities for medical claims for these participants are the responsibility of the HMO and are not included in the

unpaid claims analysis or in the Required Supplementary Information.

The second pool includes medical coverage for those members selecting this self-insured indemnity plan offered by ETF. Liabilities for this pool are presented in the unpaid claims analysis and in the Required Supplementary Information.

The third pool includes self-insured pharmacy benefits for all members regardless of whether they receive medical coverage from an HMO or through the medical coverage indemnity plan. Liabilities for this pool are presented in the unpaid claims analysis and in the Required Supplementary Information.

The fourth pool includes self-insured dental benefits for members selecting this self-insured indemnity plan offered by ETF. Prior to 2016, dental benefits were included as part of the HMO coverage. Liabilities for this pool are presented in the unpaid claims analysis and in the Required Supplementary Information.

Income Continuation Insurance Fund

The Income Continuation Insurance (ICI) Fund offers both long-term and short-term disability benefits (up to 75% of gross salary) for current employees of the State of Wisconsin and participating local public employers. All public employers in Wisconsin are eligible to participate. The State of Wisconsin and 219 local employers currently participate in the plan, and it is self-insured. Since March 2012, premiums have been suspended for the local employers as a result of the increase in funded status of the program.

Long-Term Disability Insurance Fund

Effective October 15, 1992, the Group Insurance Board (GIB) established the Long-Term Disability Insurance (LTDI) program as an alternative to the long-term disability coverage provided through the WRS. The ETF Board purchases disability insurance coverage from the GIB for WRS participants.

Participants who were covered by the WRS prior to October 15, 1992, have the option to select either disability benefits from LTDI or WRS at the time of disability. New WRS participants on or after October 15, 1992, are eligible only for LTDI disability benefits.

An LTDI benefit replaces 40% of the disabled participant's final average earnings until normal retirement age or for a minimum of five years. It also provides for additional annual contributions to the participant's WRS account equal to 7% of the participant's final average earnings. At normal retirement age or after a minimum of five years of LTDI benefits, the LTDI benefit terminates and the participant is eligible for a WRS retirement benefit.

Since January 2014, WRS collects actuarially required premiums from employers and remits them to the GIB for LTDI coverage.

Life Insurance Fund

The Life Insurance Fund offers group life insurance coverage for current State of Wisconsin employees and employees of participating local public employers. All public employers in the state are eligible to participate. The State of Wisconsin and 738 local employers currently participate in the program. Employers and active employees make premium contributions, which ETF passes on to the insurance carrier. Participants have the option to select multiple coverage levels, each of which requires different premium contributions. Assets and liabilities are recorded in this program for contributions not yet received and payments not yet remitted to the insurance carrier, respectively.

Public Entity Risk Pool Accounting Policies

Basis of Accounting: All public entity risk pools are accounted for in enterprise funds using the full accrual basis of accounting and the flow of economic resources measurement focus.

Valuation of Investments: Assets of the Health Insurance, ICI, and LTDI funds are invested in the Core Retirement Investment Trust and are valued at fair value.

Unpaid Claims Liabilities: The fund establishes claims liabilities based on estimates of the ultimate cost of claims that have been reported but not settled and of claims that have been incurred but not reported. The estimate includes the effects of inflation and other societal and economic factors. Adjustments to claims liabilities are charged or credited to expense in the periods in which they are made. Unpaid claims liability is presented at face value and is not discounted for Health Insurance. These liabilities are discounted using an interest rate of 7.2% for the ICI and LTDI programs. The liabilities of the ICI, Health Insurance, and LTDI programs were determined by actuarial methods. Face value of the liability for these programs is not available.

Administrative Expenses: All maintenance expenses are expensed in the period they are incurred. Acquisition costs are immaterial and are treated as maintenance expenses.

Reinsurance: Health insurance plans provided by Health Maintenance Organizations (HMOs) are fully insured by outside insurers. All remaining risk is self-insured with no reinsurance coverage.

Risk Transfer: Participating employers are not subject to supplemental assessments in the event of deficiencies. If the assets of a fund were exhausted, participating employers would not be responsible for the fund's liabilities.

Premium Setting: Premiums are established by the GIB (Health Insurance, ICI, and LTDI) in consultation with actuaries.

Statutory Authority: All programs are operated under the authority of Chapter 40, Wisconsin Statutes.



FINANCIAL SECTION

Unpaid Claims Liabilities

Each fund establishes a liability for both reported and unreported insured events, which is an estimate of future payments of losses. The following represents changes in those aggregate liabilities (in millions) for each fund during the past year. The amounts for Health Insurance Programs include only the portion of the program that is self-insured.

	Income Continuation		Long-Term Disability		Health Insurance		Pharmacy Benefits		Dental	
	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015**
Unpaid claims and claim adjustment expenses at beginning of the calendar year	\$ 87.1	\$ 82.9	\$ 323.5	\$ 292.5	\$ 1.9	\$ 2.3	\$ (19.5)	\$ (9.9)	\$ 0.0	\$ 0.0
Incurred claims and claim adjustment expenses:										
Provision for insured events of the current calendar year	20.7	22.8	50.0	44.4	15.1	14.7	156.0	176.9	44.1	0.0
Changes in provision for insured events of prior calendar years	<u>6.8</u>	<u>5.2</u>	<u>18.7</u>	<u>44.8</u>	<u>(0.6)</u>	<u>(1.0)</u>	<u>14.4</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
Total incurred claims and claim adjustment expenses	<u>27.5</u>	<u>27.9</u>	<u>68.7</u>	<u>89.2</u>	<u>14.5</u>	<u>13.7</u>	<u>170.4</u>	<u>176.9</u>	<u>44.1</u>	<u>0.0</u>
Payments:										
Claims and claim adjustment expenses attributable to insured events of the current calendar year	5.6	6.6	2.2	2.1	13.1	12.8	171.0	196.4	42.2	0.0
Claims and claim adjustment expenses attributable to insured events of prior calendar years	<u>15.6</u>	<u>17.1</u>	<u>46.8</u>	<u>56.1</u>	<u>1.3</u>	<u>1.3</u>	<u>(5.1)</u>	<u>(9.9)</u>	<u>0.0</u>	<u>0.0</u>
Total payments	<u>21.2</u>	<u>23.7</u>	<u>49.0</u>	<u>58.2</u>	<u>14.4</u>	<u>14.1</u>	<u>165.9</u>	<u>186.5</u>	<u>42.2</u>	<u>0.0</u>
Total unpaid claims and claim adjustment expenses at end of the calendar year	\$ 93.5	\$ 87.1	\$ 343.2	\$ 323.5	\$ 2.0	\$ 1.9	\$ (15.0)*	\$ (19.5)*	\$ 1.9	\$ 0.0

*Total unpaid claims at the end of 2016 is the net of \$4.5 million in unpaid claims and \$19.5 million in rebates due from pharmaceutical companies; unpaid claims at the end of 2015 is the net of \$5.1 million in unpaid claims and \$24.6 million in rebates due from pharmaceutical companies.

** Prior to 2016 Dental Benefits were included as part of fully insured HMO Coverage

Amounts may not foot due to rounding

9 OTHER POST-EMPLOYMENT BENEFIT (OPEB) PLANS ADMINISTERED BY ETF

ETF administers five OPEB plans: the Duty Disability Insurance Fund, the State Retiree Life Insurance Fund, the Local Government Retiree Life Insurance Fund, the State Retiree Health Insurance Fund and the Local Government Retiree Health Insurance Fund. The Retiree Health Insurance Funds contain certain non-OPEB components relating to post-Medicare pharmacy and health insurance benefits.

Plan Descriptions

Duty Disability Insurance Fund

The Duty Disability Insurance Fund is a cost-sharing multiple-employer defined benefit OPEB plan. The plan offers special disability insurance for State of Wisconsin and local WRS participants in protective occupations. The plan is self-insured, and risk is shared between the State of Wisconsin and local government employers in the plan. The plan is administered under Wis. Stat. § 40.65. The plan is reported as an "other employee benefit trust fund."

Membership

Participation in the program is mandatory for all WRS employers with protective occupation employees. The State of Wisconsin and 496 local government employers participate. Membership as of December 31, 2016, consisted of:

Disabled members and beneficiaries receiving benefits	1,007
Active plan members	<u>22,223</u>
Total plan members	<u>23,230</u>

Contributions

Contributions are actuarially determined in accordance with Wis. Stats. § 40.05(2)(ar). All contributions are employer-paid based on a graduated, experience-rated formula. During 2016, contribution rates ranged from 0.09% to 2.31% of covered payroll based on employer experience.

Description of Benefits

Eligibility: Duty-related injury or disease that is likely to be permanent, which causes a protective occupation participant to retire, accept reduced pay or light duty assignment, or in some cases, that impairs promotional opportunities.

Amount: 80% of salary (75% if not a State of Wisconsin employee), less the following offsets:

- Social Security
- Unemployment Compensation
- Worker's Compensation
- Any other WRS benefit
- All earnings from the employer under which the disability occurred
- A percent of other earnings as follows:
 - 1/3 of earnings less than 40% of monthly salary
 - 1/2 of earnings between 40% and 80% of monthly salary
 - 2/3 of earnings over 80% of monthly salary

Survivor Benefit: All survivor benefits are offset by any Worker's Compensation death benefits.

- For applications filed **prior** to May 3, 1988, benefits are based on the following:
 - 1/3 of the participant's monthly salary at time of death to surviving spouse, plus
 - \$15/month to each unmarried child under the age of 18

- Not to exceed 65% of participant's monthly salary at time of death

- For applications filed on or **after** May 3, 1988, benefits are based on the following:

Local employees:

- 1/2 of the participant's monthly salary at time of death to surviving spouse or domestic partner, less other income sources that are based on the participant's earnings record
- 1/10 of the participant's monthly salary at time of death to each unmarried child under the age of 18
- Not to exceed 70% of participant's monthly salary at time of death

State employees:

- 1/3 of the participant's monthly salary at time of death to surviving spouse or domestic partner, plus
- \$15/month to each unmarried child under the age of 18
- Not to exceed 65% of participant's monthly salary at time of death

- For applications received on or after May 12, 1998, in which the protective occupation participant dies as a result of a disease covered under the Cancer Presumptive Law, benefits are based on the following:

- 70% of the participant's monthly salary at time of death to surviving spouse or domestic partner, less other income sources that are based on the participant's earnings record
- 1/10 of the participant's monthly salary at time of death to the guardian of any minor child, as long as there is no surviving spouse
- There is no maximum

Annual Increases:

- To age 60: In accordance with WRS salary index.
- After age 60: In accordance with WRS dividend increases (so long as the claimant is not also receiving a disability retirement benefit).

Retiree Life Insurance Funds

The State Retiree Life Insurance Fund and the Local Government Retiree Life Insurance Fund are cost-sharing multiple-employer defined benefit OPEB plans. The State of Wisconsin and 738 local government employers currently participate. The plans provide post-employment life insurance coverage to all eligible employees of participating employers. The plans are administered under Wis. Stats. § 40.70. The plans are reported as other employee benefit trust funds.



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Membership

Eligibility: Generally, members may enroll during a 30-day enrollment period once they satisfy a six-month waiting period. Members may also enroll after the initial 30-day enrollment period with evidence of insurability. Members under evidence of insurability enrollment must enroll in group life insurance coverage before age 55 to be eligible for Basic or Supplemental coverage.

Membership as of December 31, 2016, included:

	State	Local	Total
Active*	50,946	75,681	126,627
Pre-Age 65 Annuitants	7,127	10,571	17,698
Post-Age 64 Annuitants	23,767	31,927	55,694
Totals	<u>81,840</u>	<u>118,179</u>	<u>200,019</u>

*Active members include disabled.

Contributions

Employers are required to pay the following contributions for active members to provide them with Basic Coverage after age 65. There are no employer contributions for pre-65 annuitant coverage. All contributions are actuarially determined.

	State	Local
50% Post Retirement Coverage	28% of employee premium	40% of employee premium
25% Post Retirement Coverage	N/A	20% of employee premium

Reserves

Active member and retiree plan reserves are commingled for investment and administrative purposes. Effective January 1, 2008, assets were permanently split between the active member and OPEB plans.

Description of Benefits

Eligibility: At retirement, the member must have active group life insurance coverage and satisfy one of the following:

- WRS coverage prior to January 1, 1989, or
- At least one month of group life insurance coverage in each of five calendar years after 1989 and one of the following:
 - Eligible for an immediate WRS benefit, or

- At least 20 years from their WRS creditable service as of January 1, 1990, plus their years of group life insurance coverage after 1989, or
- At least 20 years on the payroll of their last employer.

In addition, terminating members and retirees must continue to pay the employee premiums until age 65 (age 70 if active).

Basic Coverage Benefits: After retirement, basic coverage is continued for life in these amounts of the insurance in force before retirement:

	% of Basic Coverage Continuing	
Age	State	Local
Before age 65	100%	100%
While age 65	75%	75%
While age 66	50%	50%
After age 66	50%	50% / 25% employer election

Supplemental Coverage Benefits: After retirement, Supplemental coverage may be continued until age 65 at 100% of the amount of the insurance in force before retirement at the employee's expense.

Additional Coverage Benefits: After retirement, additional coverage may be continued until age 65 at 100% of the amount of the insurance in force before retirement at the employee's expense.

Spouse and Dependent Coverage Benefits:

After retirement, the coverage is terminated.

Investment Contract with Insurance Carrier

Investments for the Retiree Life Insurance Funds are held with the insurance carrier. Interest is calculated and credited to the Retiree Life Insurance Funds based on the rate of return for a segment of the insurance carrier's general fund, specifically 10 Year A- Bonds (as a proxy and not tied to any specific investments). The funds invested during the year earn interest based on that year's rate of return for 10 Year A- Bonds. The overall aggregate interest rate is calculated using a tiered approach based on the year the funds were invested and the rate of return for that year. Investment interest is credited based on the aggregate rate of return and assets are not adjusted to fair market value.

Furthermore, the insurance carrier guarantees the principal amounts of the reserves, including all interest previously credited thereto.

Retiree Health Insurance Funds

The State Retiree Health Insurance Fund and the Local Government Retiree Health Insurance Fund are agent multiple-employer defined benefit OPEB plans offering group health insurance to retired State of Wisconsin and local government employees. ETF and the Group Insurance Board (GIB) have statutory authority for program administration and oversight [Wis. Stats. §§ 15.165 (2) and 40.03 (6)]. The State of Wisconsin and 354 local government employers currently participate in the plans. The plans are reported as agency funds.

Beginning in 2007, some employers must make additional disclosures related to their Retiree Health Insurance Plans, including the funding policy, the employer’s annual OPEB cost and contributions made, the funded status and funding progress of the plan, and the actuarial methods and assumptions used. This information is available from the employer.

Membership: State of Wisconsin and local government employees participating in the State Health Insurance Plan or the Wisconsin Public Employers Insurance Plan (local government plans) are eligible to continue their health insurance coverage after leaving covered employment. Membership as of December 31, 2016,

included 26,571 former state employees or their beneficiaries and 2,208 former local government employees and beneficiaries.

Description of Benefits: Employees may choose between self-insured health plans and alternate health plans with specific provider networks (i.e., HMOs). The HMOs follow GIB guidelines for eligibility and program requirements. All HMOs offer a prescribed benefit package called Uniform Benefits and participate in a yearly competitive premium rate bid process. The Standard Plan and State Maintenance Plan are self-insured by the GIB and administered by WPS Health Insurance. The Standard Plan is a preferred provider plan.

The pharmacy benefit is self-insured by the GIB and administered by Navitus Health Solutions.

Effective January 1, 2012, prescription drug coverage for Medicare eligible retirees enrolled in the State group health insurance program is provided by a self-funded Medicare Part D Employer Group Waiver Plan (EGWP). A Medicare “Wrap” product is also included to provide full coverage to members, as required by uniform benefits, when they reach the Medicare coverage gap, also known as the “donut hole”.

Contributions: Health Insurance premiums are actuarially determined or set by contract with the insurer.

Funded Status and Funding Progress – OPEB Plans

The funded status of each plan as of the most recent actuarial valuation date is as follows (In Thousands):

Actuarial Valuation Date	(a) Actuarial Value of Assets	(b) Actuarial Accrued Liability (AAL)	(c) Unfunded Actuarial Accrued Liability (UAAL) (b) – (a)	(d) Funded Ratio (a) / (b)	(e) Covered Payroll	(f) UAAL as Percentage of Covered Payroll (c) / (e)
Duty Disability Insurance January 1, 2016	\$603,768	\$523,238	(\$80,530)	115.4%	\$1,358,934	(5.9%)
State Life Insurance January 1, 2016	363,025	694,407	331,382	52.3%	3,037,726	10.9%
Local Life Insurance January 1, 2016	243,469	446,960	203,491	54.5%	4,024,781	5.1%



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Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and the healthcare cost trend. Actuarially-determined amounts are subject to continual revision, as actual results are compared with past expectations and new estimates are made about the future. The schedules of funding progress, presented as required supplementary information following the notes to the financial statements, present multiyear trend information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

The accompanying schedules of employer contributions, included in the required supplementary information at the end of the notes, present trend information about the amounts contributed to the plan by employers in comparison to the Annual Required

Contribution (ARC), an amount that is actuarially-determined in accordance with the parameters of GASB Statement 43. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost for each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed thirty years.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations. Additional information as of the latest actuarial valuations follows:

	Duty Disability Insurance	State Life Insurance	Local Life Insurance
Valuation Date	1/1/16	1/1/16	1/1/16
Actuarial Cost Method	Projected Unit Credit	Entry Age Normal	Entry Age Normal
Amortization Method	Closed level percentage of pay if underfunded, open level percentage of pay if overfunded	Closed level percentage of pay	Closed level percentage of pay
Remaining Amortization Period	UAAL – 30 years Future gains & losses – 15 years	UAAL – 30 years Future gains & losses – 15 years	UAAL – 30 years Future gains & losses – 15 years
Asset valuation method	5 year Smoothed Market	Market Value	Market Value
Actuarial Assumptions:			
Investment Return	7.20%	4.20%	4.20%
Payroll Growth	3.20%	3.20%	3.20%

10 MILWAUKEE RETIREMENT SYSTEM

The Milwaukee Retirement System (MRS), consisting of two funds within the Milwaukee Public Schools Retirement System, is reported as an Investment Trust Fund. MRS provides assets to ETF for investing in the Core and Variable Funds, described in the Investments section of Note 1. The Core and Variable Funds are managed by SWIB with oversight by a board of trustees as authorized in Wis. Stat. § 25.17. SWIB is not registered with the Securities and Exchange Commission as an investment company. Participation of the MRS in the Core and Variable Funds is described in the Wisconsin Administrative Code, § ETF 10.12. Monthly, ETF distributes pro-rata shares of total Core Fund and total Variable Fund earnings, less administrative expenses to the MRS accounts. The MRS accounts are adjusted to fair value and gains/losses are recorded directly in the

accounts per Wisconsin Administrative Code, § ETF 10.12 (2).

No state statute, legal provision, or legally-binding guarantee exists to support the value of shares. At December 31, 2016, the Core and Variable Funds held \$96.4 billion in investment related accounts, of which \$6.9 billion is classified as cash equivalents. In addition, the Core and Variable Funds held \$1,005 million of securities lending collateral.

Summary information by investment classification in accordance with GASB Statement No. 31, Accounting and Financial Reporting for Certain Investments and for External Investment Pools, for the Core and Variable Funds at December 31, 2016, is presented in Note 3. Condensed financial data for the Core and Variable Funds for the year ended December 31, 2016, is presented below (in thousands):

Core and Variable Retirement Investment Trusts Condensed Statements of Net Position As of December 31, 2016

Assets:	Core	Variable	Short Sales Adjustments*	Combined
Cash & Cash Equivalents	\$6,817,787	\$102,587	\$ 0	\$6,920,374
Securities Lending Collateral	959,261	45,679	0	1,004,940
Prepaid Items	6,363	5	0	6,368
Investment Receivables	1,143,657	13,818	0	1,157,475
Investments, at fair value	83,840,488	6,912,810	(19,649)	90,733,649
Total Assets	92,767,556	7,074,899	(19,649)	99,822,806
Liabilities:				
Securities Lending Collateral Liability	959,261	45,679	0	1,004,940
Due to Other Funds	0	0	0	0
Obligations Under Reverse Repurchase Agreement	1,831,169	0	0	1,831,169
Short Sell Obligations	327,878	6,697	(19,649)	314,926
Collateral Due to Counterparty	74,340	0	0	74,340
Investment Payables	155,304	6,224	0	161,528
Total Liabilities	3,347,952	58,600	(19,649)	3,386,903
Net Position Held in Trust for:				
Internal Investment Pool Participants	89,258,725	6,994,459	0	96,253,184
Milwaukee Retirement Systems	160,879	21,840	0	182,719
Total	\$89,419,604	\$7,016,299	\$0	\$96,435,903

*This adjustment removes the impact of inter-fund short sales where the shorted position is held in the other Retirement Investment Trust Fund (i.e. SWIB is short a security in the Core Fund but long the same position in the Variable Fund, or vice-versa).



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Core and Variable Retirement Investment Trusts
Condensed Statements of Changes in Net Position
 For the Year Ended December 31, 2016

Additions:	Core	Variable	Combined
Net Appreciation (Depreciation) in Fair Value of Investments	\$5,335,046	\$526,662	\$5,861,708
Interest	567,650	476	568,126
Dividends	1,085,151	154,640	1,239,791
Securities Lending Income	30,783	5,746	36,529
Other	242,854	0	242,854
Total Additions	7,261,484	687,524	7,949,008
Deductions:			
Investment Expense	383,006	8,422	391,428
Securities Lending Rebates and Fees	2,508	465	2,973
Net Withdrawals by Pool Participants	2,874,604	389,943	3,264,547
Total Deductions	3,260,118	398,830	3,658,948
Net Increase (Decrease)	4,001,366	288,694	4,290,060
Net Position Held in Trust for Pool Participants			
Beginning of Year	85,418,238	6,727,605	92,145,843
End of Year	\$89,419,604	\$7,016,299	\$96,435,903

11 CONTINGENCIES, UNUSUAL EVENTS, & SUBSEQUENT EVENTS

Loss Contingency

On September 5, 2008, the Internal Revenue Service (IRS) provided SWIB with a "Notice of Transferee Liability". This claim seeks taxes, penalties and interest relating to the sale of Shockley Communications Corporation (SCC) stock in 2001.

SWIB is classified as a tax exempt entity by the IRS. However, the IRS asserts that the shareholders' sale of SCC stock in 2001 should have been characterized as a sale of assets by SCC, on which SCC should have paid income taxes. Based on the theory of transferee liability, the IRS asserts that the former SCC shareholders, including SWIB, are liable for SCC's unpaid taxes, penalties and interest.

SWIB has filed a petition in the United States Tax Court contesting the proposed IRS assessment. In April 2014, SWIB and the IRS agreed to stay the Tax Court proceeding pending the resolution of the tax case initiated by the principal shareholders of SCC challenging the IRS' characterization of the SCC sale. In 2015, the Tax Court found that the principal shareholders of SCC were liable as putative transferees

for the tax, penalties and interest owed by SCC related to its sale. The 2015 Tax Court opinion is currently on appeal with the 11th Circuit Court of Appeals. Although SWIB plans to continue to aggressively contest the IRS' assertions of SWIB's tax liability, and SWIB has separate and distinct arguments from the principal shareholders of SCC, at the end of 2015, SWIB determined it was prudent to accrue a potential loss from the SCC transaction based on the Tax Court's adverse opinion. SWIB's potential liability, as a putative transferee of SCC assets, is reasonably estimated to be between \$16.6 million and \$51.7 million as of December 31, 2016. Although results may differ, this estimated range of loss is based on a possible settlement strategy with the IRS and the maximum potential liability to the IRS for the taxes, interest and potential penalties of SCC based on the Tax Court's decision against the principal shareholders. Accordingly, in calendar year 2015, SWIB accrued a loss of \$16.6 million, which represents the estimated minimum amount of the possible loss to which SWIB believes it may be exposed.

REQUIRED SUPPLEMENTARY INFORMATION

PUBLIC ENTITY RISK POOLS Claims Development Information

The tables on the following pages illustrate how the funds' earned revenues and investment income compare to related costs of loss and other expenses assumed by the funds as of the end of each of the last ten years. The rows of the tables are defined as follows:

1. Net Earned Required Contribution and Investment Revenues. Shows the total of each calendar year's earned contribution revenues and investment revenues.
2. Unallocated Expenses. Shows each calendar year's other operating costs of the fund, including overhead and claims expenses not allocable to individual claims.
3. Estimated Incurred Claims as of the End of the Policy Year. Shows the fund's incurred claims and allocated claim adjustment expense (both paid and accrued) as originally reported as the end of the first year in which the event that triggered coverage under the contract occurred (called policy year).
4. Paid Cumulative as of Year-End. Shows the cumulative amounts paid as of the end of successive years for each policy year.
5. Re-estimated Incurred Claims. Shows how each policy year incurred claims increased or decreased as of the end of successive policy years. This annual re-estimation results from new information received on known claims, reevaluation of existing information on known claims, as well as emergence of new claims not previously known.
6. Increase (Decrease) in Estimated Incurred Claims from End of Policy Year. Compares the latest re-estimated incurred claims amount to the amount originally established (line 3) and shows whether this latest estimate of claims cost is greater or less than originally thought.

As data for individual policy years mature, the correlation between original estimates and re-estimated amounts is commonly used to evaluate the accuracy of incurred claims currently recognized in less mature policy years. The columns of the tables show data for successive policy years.



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Public Entity Risk Pools										
Required Supplementary Information										
Pharmacy Benefit Claims Development Information										
(In Millions)										
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Net earned required contributions and investment revenues	170.0	138.8	155.5	178.9	169.9	153.7	159.6	157.7	166.5	214.3
2. Unallocated expense	8.4	8.8	6.4	8.7	6.4	8.0	4.4	6.0	6.0	5.9
3. Estimated incurred claims and expenses as of the end of the policy year	116.9	124.0	134.8	148.4	144.6	141.3	149.0	163.5	176.9	156.0
4. Paid (cumulative) as of *										
End of Policy Year	118.0	126.3	139.1	155.8	150.7	148.3	156.6	173.4	196.4	171.0
One Year Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3	163.5	177.0	
Two Years Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3	163.5		
Three Years Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3			
Four Years Later	119.4	123.9	134.1	147.3	145.1	141.2				
Five Years Later	119.4	123.9	134.1	147.3	145.1					
Six Years Later	119.4	123.9	134.1	147.3						
Seven Years Later	119.4	123.9	134.1							
Eight Years Later	119.4	123.9								
Nine Years Later	119.4									
5. Reestimated incurred claims and expenses:										
End of Policy Year	116.9	124.0	134.8	148.4	144.6	141.3	149.0	163.5	176.9	156.0
One Year Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3	163.5	177.0	
Two Years Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3	163.5		
Three Years Later	119.4	123.9	134.1	147.3	145.1	141.2	148.3			
Four Years Later	119.4	123.9	134.1	147.3	145.1	141.2				
Five Years Later	119.4	123.9	134.1	147.3	145.1					
Six Years Later	119.4	123.9	134.1	147.3						
Seven Years Later	119.4	123.9	134.1							
Eight Years Later	119.4	123.9								
Nine Years Later	119.4									
6. Increase (decrease) in estimated incurred claims and expenses from end of policy year	2.5	(0.1)	(0.7)	(1.1)	0.5	(0.1)	(0.7)	0.0	0.1	0.0

*Paid Claims include payments expected to be reimbursed as rebate payments from participating pharmaceutical companies. Incurred claims are presented net of anticipated rebates.

In accordance with GASB Statement #43, retiree health is reported separately in an agency fund and is not included with the active health information in this table.



Public Entity Risk Pools
Required Supplementary Information
Health Insurance Claims Development Information
(In Millions)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Net earned required contributions and investment revenues	42.1	22.5	41.5	36.6	27.9	33.1	29.9	26.0	22.5	28.5
2. Unallocated expense	3.4	5.3	5.0	5.4	6.2	5.5	5.2	7.0	5.2	8.8
3. Estimated incurred claims and expenses as of the end of the policy year	23.7	30.5	25.9	24.0	21.4	17.7	16.9	17.7	14.7	15.1
4. Paid (cumulative) as of										
End of Policy Year	20.3	25.7	21.6	20.5	18.7	15.1	14.6	15.4	12.8	13.1
One Year Later	23.5	28.3	23.4	22.6	20.7	17.2	16.0	16.7	14.3	
Two Years Later	23.5	28.2	23.5	22.6	20.7	17.1	16.0	16.7		
Three Years Later	23.5	28.2	23.5	22.6	20.7	17.1	16.0			
Four Years Later	23.5	28.2	23.5	22.6	20.7	17.1				
Five Years Later	23.5	28.2	23.5	22.6	20.7					
Six Years Later	23.5	28.2	23.5	22.6						
Seven Years Later	23.5	28.2	23.5							
Eight Years Later	23.5	28.2								
Nine Years Later	23.5									
5. Reestimated incurred claims and expenses:										
End of Policy Year	23.7	30.5	25.9	24.0	21.4	17.7	16.9	17.7	14.7	15.1
One Year Later	23.6	28.3	23.5	22.6	20.7	17.2	16.0	16.7	14.3	
Two Years Later	23.5	28.2	23.5	22.6	20.7	17.1	16.0	16.7		
Three Years Later	23.5	28.2	23.5	22.6	20.7	17.1	16.0			
Four Years Later	23.5	28.2	23.5	22.6	20.7	17.1				
Five Years Later	23.5	28.2	23.5	22.6	20.7					
Six Years Later	23.5	28.2	23.5	22.6						
Seven Years Later	23.5	28.2	23.5							
Eight Years Later	23.5	28.2								
Nine Years Later	23.5									
6. Increase (decrease) in estimated incurred claims and expenses from end of policy year	(0.2)	(2.3)	(2.4)	(1.4)	(0.7)	(0.6)	(0.9)	(1.0)	(0.4)	0.0

In accordance with GASB Statement #43, retiree health is reported separately in an agency fund and is not included with the active health information in this table

Public Entity Risk Pools
Required Supplementary Information
Income Continuation Insurance Claims Development Information
 (In Millions)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Net earned required contributions and investment revenues	20.5	(9.1)	28.8	25.0	16.6	25.0	25.7	20.5	16.3	27.1
2. Unallocated expense	2.4	2.4	1.8	2.0	2.3	1.9	2.0	5.7	1.8	3.0
3. Estimated incurred claims and expenses as of the end of the policy year	27.4	22.4	33.4	34.3	42.4	33.4	36.0	20.5	22.8	20.7
4. Paid (cumulative) as of										
End of Policy Year	2.5	5.1	5.5	6.0	6.7	5.9	6.4	5.9	6.6	5.6
One Year Later	6.8	9.2	9.7	11.0	11.9	11.0	11.8	11.9	12.5	
Two Years Later	7.8	10.0	10.8	12.2	12.8	12.3	13.8	13.6		
Three Years Later	8.6	10.6	11.7	13.3	13.6	13.8	15.1			
Four Years Later	9.3	11.1	12.6	14.2	14.3	14.5				
Five Years Later	10.0	11.6	13.3	15.3	14.9					
Six Years Later	10.6	12.1	14.2	16.2						
Seven Years Later	11.3	12.6	14.9							
Eight Years Later	12.0	13.0								
Nine Years Later	12.5									
5. Reestimated incurred claims and expenses:										
End of Policy Year	27.4	22.4	33.4	34.3	42.4	33.4	36.0	20.5	22.8	20.7
One Year Later	22.5	15.8	17.5	23.0	22.3	23.1	22.6	20.4	23.9	
Two Years Later	13.4	15.3	17.5	20.1	20.0	20.9	24.0	22.5		
Three Years Later	13.9	14.7	17.7	20.1	19.5	20.9	24.3			
Four Years Later	13.9	14.5	18.5	21.2	19.5	20.5				
Five Years Later	14.3	14.7	18.8	22.5	19.5					
Six Years Later	15.1	15.3	19.1	23.0						
Seven Years Later	15.7	15.3	19.6							
Eight Years Later	16.2	15.7								
Nine Years Later	16.3									
6. Increase (decrease) in estimated incurred claims and expenses from end of policy year	(11.1)	(6.7)	(13.8)	(11.3)	(22.9)	(12.9)	(11.7)	2.0	1.1	0.0



FINANCIAL SECTION

Public Entity Risk Pools
Required Supplementary Information
Long Term Disability Insurance Claims Development Information
(In Millions)

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Net earned required contributions and investment revenues	27.8	(88.3)	49.3	29.8	3.0	29.9	28.2	54.2	41.7	90.3
2. Unallocated expense	1.4	1.3	2.2	2.0	2.1	2.4	2.3	13.8	3.6	6.5
3. Estimated incurred claims and expenses as of the end of the policy year	48.3	31.1	50.2	54.2	43.5	52.0	50.6	47.0	44.4	50.0
4. Paid (cumulative) as of										
End of Policy Year	1.4	1.1	1.7	1.9	1.9	2.5	2.2	2.1	2.1	2.2
One Year Later	5.8	5.7	7.0	7.6	8.6	10.3	10.1	11.2	8.2	
Two Years Later	9.4	9.4	11.3	12.5	14.2	17.3	18.8	17.2		
Three Years Later	12.6	12.7	15.2	16.9	19.4	25.5	25.2			
Four Years Later	15.5	15.7	18.7	21.0	25.5	31.5				
Five Years Later	18.2	18.5	22.0	25.9	30.0					
Six Years Later	20.8	21.2	26.0	29.5						
Seven Years Later	23.2	24.4	29.0							
Eight Years Later	26.2	26.7								
Nine Years Later	28.4									
5. Reestimated incurred claims and expenses:										
End of Policy Year	48.3	31.1	50.2	54.2	43.5	52.0	50.6	47.0	44.4	50.0
One Year Later	25.6	26.9	32.3	35.8	41.4	48.3	52.7	51.4	43.2	
Two Years Later	29.9	29.5	35.0	39.6	44.5	57.5	62.6	55.0		
Three Years Later	31.0	31.8	36.6	41.3	50.4	64.4	65.5			
Four Years Later	33.7	32.7	38.0	46.3	55.3	66.7				
Five Years Later	34.9	33.4	41.9	49.9	57.3					
Six Years Later	36.3	36.7	44.9	51.2						
Seven Years Later	39.0	39.4	45.9							
Eight Years Later	41.8	40.0								
Nine Years Later	42.9									
6. Increase (decrease) in estimated incurred claims and expenses from end of policy year	(5.4)	8.9	(4.3)	(3.0)	13.8	14.7	14.9	8.0	(1.2)	0.0

**Wisconsin Retirement System
Schedules of Changes in Net Pension Liability (Asset) and Related Ratios
(In Millions)**

Calendar Year Ended, December 31	2016	2015	2014	2013
Total Pension Liability				
Service Cost	\$ 1,814.1	\$ 1,787.9	\$ 1,757.0	\$ 1,745.0
Interest on the Total Pension Liability	\$ 6,372.4	\$ 6,347.1	\$ 6,089.3	\$ 5,680.7
Benefit Changes	\$ -	\$ -	\$ -	\$ -
Difference between Expected and Actual Experience*	\$ 150.3	\$ (4,247.3)	\$ 437.3	\$ 2,659.9
Assumption Changes	\$ -	\$ 1,412.0	\$ -	\$ -
Benefit Payments, including refunds of employee contributions	\$ (5,062.2)	\$ (4,861.2)	\$ (4,574.6)	\$ (4,258.0)
Net Change in Total Pension Liability	\$ 3,274.6	\$ 438.5	\$ 3,708.9	\$ 5,827.7
Total Pension Liability - Beginning	\$ 90,129.7	\$ 89,691.2	\$ 85,982.2	\$ 80,154.6
Total Pension Liability - Ending (a)	\$ 93,404.3	\$ 90,129.7	\$ 89,691.2	\$ 85,982.2
Plan Fiduciary Net Position				
Employer Contributions	\$ 963.1	\$ 977.7	\$ 987.8	\$ 914.7
Employee Contributions	\$ 921.9	\$ 937.2	\$ 941.9	\$ 871.3
Pension Plan Net Investment Income	\$ 7,273.1	\$ (673.1)	\$ 4,891.0	\$ 11,347.3
Benefit Payments, including refunds of employee contributions	\$ (5,062.2)	\$ (4,861.2)	\$ (4,574.6)	\$ (4,258.0)
Pension Plan Administrative Expense	\$ (20.4)	\$ (22.7)	\$ (24.0)	\$ (22.9)
Net Change in Plan Fiduciary Net Position	\$ 4,075.4	\$ (3,642.1)	\$ 2,222.0	\$ 8,852.4
Plan Fiduciary Net Position - Beginning	\$ 88,504.7	\$ 92,146.8	\$ 89,924.7	\$ 81,072.3
Plan Fiduciary Net Position - Ending (b)	\$ 92,580.1	\$ 88,504.7	\$ 92,146.8	\$ 89,924.7
Net Pension Liability/(Asset) - Ending (a) - (b)	\$ 824.2	\$ 1,625.0	\$ (2,455.6)	\$ (3,942.5)
Plan Fiduciary Net Position as a Percentage of Total Pension Liability	99.12%	98.20%	102.74%	104.59%
Covered Employee Payroll	\$ 13,706.0	\$ 13,530.5	\$ 13,219.5	\$ 12,884.8
Net Pension Liability/(Asset) as a Percentage of Covered Employee Payroll	6.01%	12.01%	(18.58%)	(30.60%)

Immaterial differences may exist between the amounts in this schedule and those reported in the Statement of Fiduciary Net Position and the Statement of Changes in Fiduciary Net Position due to the timing of the actuarial valuation.

Amounts may not foot due to rounding.

* Starting with 2015, this item includes the impact of known Market Recognition account deferred gains/losses on the liability for dividend payments.



FINANCIAL SECTION

**Wisconsin Retirement System
Schedule of Employer Contributions
(In Millions)**

Calendar Year Ending December 31,	Actuarially Determined Contributions	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2013	905.1	905.1	-	12,884.8	7.02%
2014	977.1	977.1	-	13,219.5	7.39%
2015	967.7	967.7	-	13,530.5	7.15%
2016	954.2	954.2	-	13,706.0	6.96%

**Wisconsin Retirement System
Schedule of Investment Returns
Last Ten Calendar Years
Annual Money-Weighted Rate of Return (IRR), Net of Investment Expenses**

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Core Trust Fund	8.29%	(0.63%)	5.44%	13.18%	13.40%	1.25%	11.92%	21.76%	(26.31%)	8.52%
Variable Trust Fund	10.49%	(1.11%)	7.24%	28.78%	16.94%	(3.02%)	15.23%	33.06%	(38.96%)	5.57%



NOTES TO REQUIRED SUPPLEMENTARY INFORMATION

Significant methods and assumptions used in calculating the Actuarially Determined Contribution:

Valuation Date:	December 31, 2014
Actuarial Cost Method:	Frozen Entry Age
Amortization Method:	Level Percent-Closed Amortization Period
Amortization Period:	30 Year closed from date of participation in WRS
Asset Valuation Method:	Five Year Smoothed Market (Closed)
Actuarial Assumptions	
Net Investment Rate of Return:	5.5%
Weighted based on assumed rate for:	
Pre-retirement:	7.2%
Post-retirement:	5.0%
Salary Increases	
Inflation:	3.2%
Seniority/Merit:	0.2% - 5.6%
Post-retirement Benefit Adjustments:	2.1%*

*No post-retirement adjustment is guaranteed. Actual adjustments are based on recognized investment return, actuarial experience and other factors. 2.1% is the assumed annual adjustment based on the investment return assumption and the post-retirement discount rate.



FINANCIAL SECTION

OTHER POST EMPLOYMENT BENEFITS

Required Supplementary Information

The information presented in the required supplementary schedules was determined as part of the actuarial valuation at the date indicated. Additional information as of the latest actuarial valuation follows:

Other Post Employment Benefits Schedule of Funding Progress (In Thousands)

Duty Disability Insurance

Actuarial Valuation Date	Actuarial Value Of Assets (a)	Actuarial Accrued Liability (AAL) Frozen 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)
January 1, 2008	311,778	471,668	159,890	66.1%	1,257,666	12.7%
January 1, 2010	373,048	512,785	139,737	72.7%	1,370,978	10.2%
January 1, 2011	412,988	499,034	86,046	82.8%	1,326,345	6.5%
January 1, 2012	449,177	476,979	27,802	94.2%	1,285,854	2.2%
January 1, 2013	490,137	507,081	16,944	96.7%	1,279,908	1.3%
January 1, 2014	567,329	513,165	(54,164)	110.6%	1,302,765	(4.2%)
January 1, 2015	592,774	448,097	(144,677)	132.3%	1,332,810	(10.9%)
January 1, 2016	603,768	523,238	(80,530)	115.4%	1,358,934	(5.9%)

State Retiree Life Insurance

Actuarial Valuation Date	Actuarial Value Of Assets (a)	Actuarial Accrued Liability (AAL) Frozen 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)
January 1, 2006	314,116	337,341	23,225	93.1%	2,506,437	0.9%
January 1, 2008	329,822	382,392	52,570	86.3%	2,699,508	1.9%
January 1, 2010	349,425	408,781	59,356	85.5%	3,029,651	2.0%
January 1, 2012	363,778	509,315	145,537	71.4%	2,869,087	5.1%
January 1, 2014	366,652	530,376	163,724	69.1%	2,931,935	5.6%
January 1, 2016	363,025	694,407	331,382	52.3%	3,037,726	10.9%

Local Retiree Life Insurance

Actuarial Valuation Date	Actuarial Value Of Assets (a)	Actuarial Accrued Liability (AAL) Frozen 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)
January 1, 2006	195,632	206,097	10,465	94.9%	3,310,064	0.3%
January 1, 2008	211,950	233,444	21,494	90.8%	3,556,913	0.6%
January 1, 2010	223,650	255,591	31,941	87.5%	3,864,159	0.8%
January 1, 2012	231,695	326,280	94,585	71.0%	3,813,576	2.5%
January 1, 2014	239,919	353,840	113,921	67.8%	3,814,869	3.0%
January 1, 2016	243,469	446,960	203,491	54.5%	4,024,781	5.1%

**Other Post Employment Benefits
Schedule of Employer Contributions
(In Thousands)**

Duty Disability Insurance

Year Ended	(a) Annual Required Contribution	(b) Employer Contributions	(c) Percentage Contributed
December 31, 2007	46,174	47,765	103.4%
December 31, 2008	47,684	50,574	106.1%
December 31, 2009	50,193	51,556	102.7%
December 31, 2010	53,181	51,861	97.5%
December 31, 2011	50,364	52,335	103.9%
December 31, 2012	48,377	52,978	109.5%
December 31, 2013	49,755	53,902	108.3%
December 31, 2014	8,173	9,335	114.2%
December 31, 2015	3,269	8,609	263.4%
December 31, 2016	8,089	3,788	46.8%

State Retiree Life Insurance

Year Ended	(a) Annual Required Contribution	(b) Employer Contributions	(c) Percentage Contributed
December 31, 2007	13,602	1,314	9.7%
December 31, 2008	14,786	1,405	9.5%
December 31, 2009	16,470	1,514	9.2%
December 31, 2010	16,949	1,569	9.3%
December 31, 2011	18,878	1,505	8.0%
December 31, 2012	24,866	1,205	4.8%
December 31, 2013	27,456	1,277	4.6%
December 31, 2014	28,272	1,302	4.6%
December 31, 2015	31,254	1,318	4.2%
December 31, 2016	50,722	1,277	2.5%

Local Retiree Life Insurance

Year Ended	(a) Annual Required Contribution	(b) Employer Contributions	(c) Percentage Contributed
December 31, 2007	11,065	1,733	15.7%
December 31, 2008	11,396	1,806	15.8%
December 31, 2009	12,636	1,906	15.1%
December 31, 2010	12,797	1,932	15.1%
December 31, 2011	14,192	1,893	13.3%
December 31, 2012	19,679	1,817	9.2%
December 31, 2013	21,674	1,753	8.1%
December 31, 2014	22,038	2,080	9.4%
December 31, 2015	24,278	1,898	7.8%
December 31, 2016	33,716	1,710	5.1%

STATISTICAL SECTION

State of Wisconsin
Department of Employee Trust Funds



Wisconsin Retirement System (WRS) Statistics

Active Participants by Employment Category

Year	General	Teachers	Executives & Elected Officials	Protective Occupations With Social Security	Protective Occupations Without Social Security	Totals
State Participants						
2007	42,379	19,331	694	8,758	0	71,162
2008	42,920	19,712	709	8,824	0	72,165
2009	42,814	20,002	709	8,890	0	72,415
2010	42,785	20,502	697	8,756	0	72,740
2011	41,136	20,184	717	8,354	0	70,391
2012	42,433	20,776	733	8,327	0	72,269
2013	42,898	21,065	730	8,398	0	73,091
2014	42,982	21,279	732	8,900	0	73,893
2015	42,498	21,282	728	8,528	0	73,036
2016	42,460	21,722	727	8,605	0	73,514
Local Participants						
2007	95,504	82,168	755	11,089	2,703	192,219
2008	96,273	82,520	744	11,292	2,727	193,556
2009	97,489	82,516	744	11,389	2,740	194,878
2010	97,175	81,866	733	11,354	2,761	193,889
2011	93,797	78,348	720	11,280	2,718	186,863
2012	92,122	77,938	687	11,083	2,734	184,564
2013	91,422	77,995	679	10,856	2,745	183,697
2014	90,900	78,339	677	10,703	2,743	183,362
2015	90,887	77,979	668	10,773	2,734	183,041
2016	91,383	78,128	642	10,863	2,755	183,771
Total Participants						
2007	137,883	101,499	1,449	19,847	2,703	263,381
2008	139,193	102,232	1,453	20,116	2,727	265,721
2009	140,303	102,518	1,453	20,279	2,740	267,293
2010	139,960	102,368	1,430	20,110	2,761	266,629
2011	134,933	98,532	1,437	19,634	2,718	257,254
2012	134,555	98,714	1,420	19,410	2,734	256,833
2013	134,320	99,060	1,409	19,254	2,745	256,788
2014	133,882	99,618	1,409	19,603	2,743	257,255
2015	133,385	99,261	1,396	19,301	2,734	256,077
2016	133,843	99,850	1,369	19,468	2,755	257,285

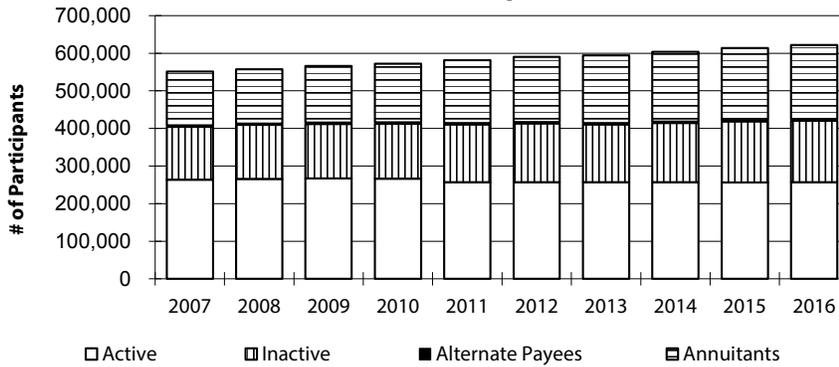


STATISTICAL SECTION

Total WRS Participants

Year	Active	Inactive	Alternate Payees	Annuitants	Total Participants
2007	263,381	141,002	3,769	142,906	551,058
2008	265,721	143,471	3,837	144,033	557,062
2009	267,293	144,424	3,929	150,671	566,317
2010	266,629	145,803	4,012	155,775	572,219
2011	257,254	153,123	4,063	167,453	581,893
2012	256,833	155,887	4,086	173,655	590,461
2013	256,788	153,721	4,040	180,056	594,605
2014	257,255	157,072	4,051	185,605	603,983
2015	256,077	161,851	4,111	191,795	613,834
2016	257,285	163,145	4,046	197,647	622,123

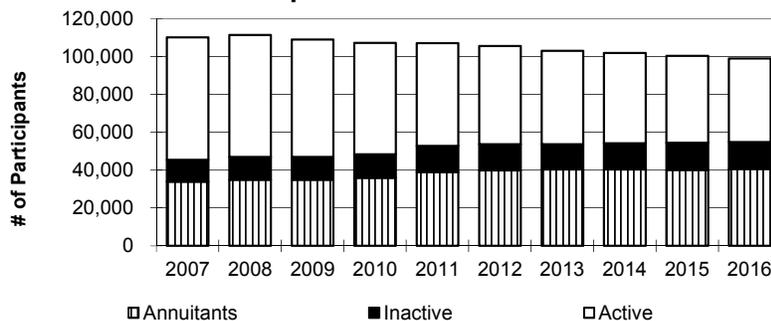
Total WRS Participants



WRS Participants with Variable Election

Year	Active	Inactive	Annuitants	Totals
2007	64,674	11,563	33,880	110,117
2008	64,420	12,025	34,927	111,372
2009	62,032	12,169	34,836	109,037
2010	58,781	12,519	35,866	107,166
2011	54,273	13,889	38,949	107,111
2012	51,771	13,858	39,873	105,502
2013	49,299	13,376	40,317	102,992
2014	47,671	13,805	40,402	101,878
2015	45,931	14,276	40,152	100,359
2016	44,083	14,223	40,647	98,953

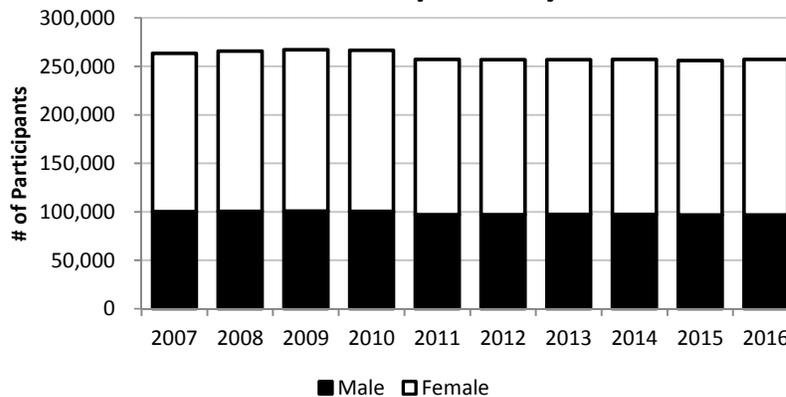
WRS Participants with Variable Election



Active WRS Participants by Gender

Year	Teachers		Protective Occupations		All Other Participants		Totals	
	Male	Female	Male	Female	Male	Female	Male	Female
2007	32,348	69,183	18,497	4,053	49,199	90,101	100,044	163,337
2008	32,256	69,976	18,715	4,128	49,535	91,111	100,506	165,215
2009	32,228	70,290	18,862	4,157	49,542	92,214	100,632	166,661
2010	32,155	70,213	18,744	4,127	49,563	91,827	100,462	166,167
2011	30,784	67,748	18,374	3,978	47,829	88,541	96,987	160,267
2012	30,983	67,761	18,278	3,866	47,836	88,109	97,097	159,736
2013	30,979	68,115	18,354	3,840	47,908	87,592	97,241	159,547
2014	30,949	68,669	18,337	4,009	48,155	87,136	97,441	159,814
2015	30,621	68,640	18,094	3,941	47,971	86,810	96,686	159,391
2016	30,708	69,142	18,192	4,031	47,913	87,299	96,813	160,472

Active WRS Participants by Gender



WRS Active Participants by Age





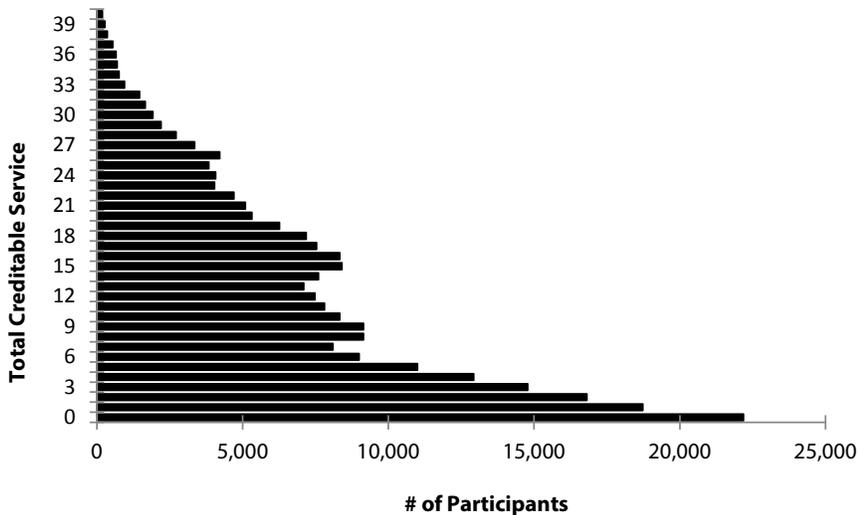
STATISTICAL SECTION

WRS Covered Payroll by Employer Type
(In Millions)

Year	Local Employers							Totals
	School Districts	Counties	Cities	Technical Colleges	Villages	Towns	Special Districts	
2007	4,625	1,462	1,148	520	202	56	119	8,131
2008	4,802	1,511	1,194	547	215	58	134	8,461
2009	4,959	1,553	1,241	579	223	60	156	8,771
2010	5,037	1,530	1,229	596	225	60	165	8,842
2011	5,006	1,537	1,236	607	227	63	171	8,847
2012	4,906	1,526	1,227	611	228	66	177	8,740
2013	4,956	1,551	1,244	616	233	66	187	8,853
2014	5,042	1,591	1,287	603	238	69	188	9,018
2015	5,167	1,629	1,318	611	246	70	195	9,236
2016	5,199	1,656	1,340	615	252	73	210	9,345

Year	State Government			Totals All Employers
	State Agencies	University	Totals	
2007	2,019	1,570	3,589	11,720
2008	2,178	1,651	3,829	12,290
2009	2,161	1,690	3,851	12,622
2010	2,169	1,732	3,902	12,744
2011	2,126	1,746	3,872	12,719
2012	2,137	1,751	3,888	12,628
2013	2,211	1,820	4,032	12,885
2014	2,306	1,895	4,202	13,220
2015	2,372	1,922	4,294	13,530
2016	2,432	1,929	4,361	13,706

Active Participants by Creditable Service



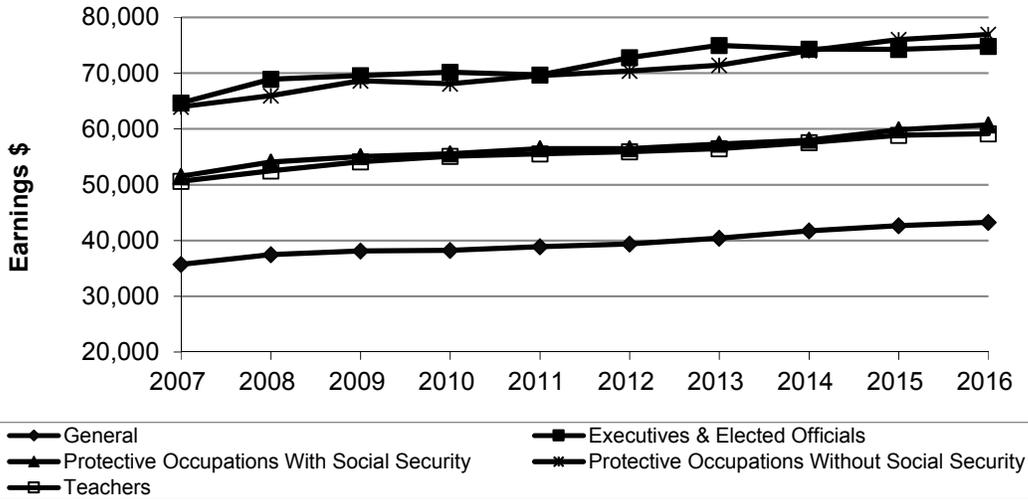
WRS Covered Payroll by Employment Category
(In Millions)

Year	General Employees	Teachers	Executives & Elected Officials	Protective Occupations with Social Security	Protective Occupations without Social Security	Totals
2007	5,079	5,326	97	1,042	176	11,720
2008	5,367	5,534	102	1,105	182	12,290
2009	5,492	5,704	104	1,132	190	12,622
2010	5,504	5,809	105	1,136	190	12,744
2011	5,485	5,797	105	1,139	193	12,719
2012	5,496	5,707	107	1,122	196	12,628
2013	5,638	5,809	109	1,129	200	12,885
2014	5,815	5,923	111	1,163	207	13,219
2015	5,951	6,064	112	1,191	212	13,530
2016	6,045	6,118	112	1,217	214	13,706



STATISTICAL SECTION

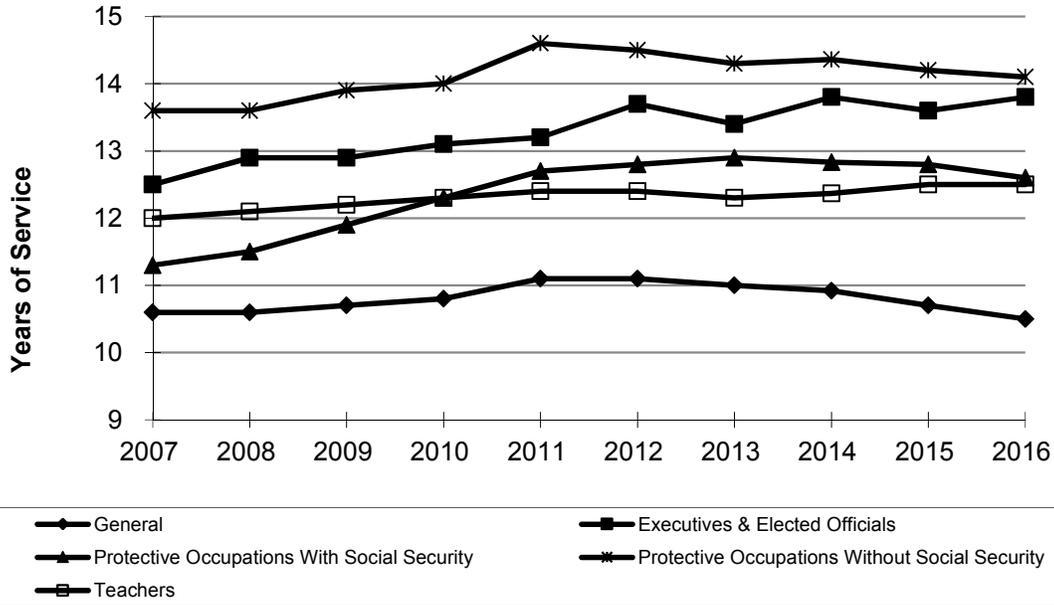
Average Annual Earnings



Average Annual Earnings

Year	General	Teachers	Executives & Elected Officials	Protective Occupations With Social Security	Protective Occupations Without Social Security	Average
2007	35,721	50,631	64,686	51,520	63,975	43,107
2008	37,465	52,498	68,917	54,051	65,987	44,969
2009	38,145	54,143	69,572	55,045	68,671	46,047
2010	38,216	55,135	70,191	55,564	68,087	46,501
2011	38,874	55,546	69,699	56,451	69,590	47,098
2012	39,379	55,902	72,824	56,448	70,402	47,535
2013	40,422	56,480	74,996	57,294	71,460	48,403
2014	41,750	57,569	74,312	57,999	74,051	49,634
2015	42,669	58,864	74,252	59,881	76,045	50,770
2016	43,268	59,133	74,838	60,733	76,942	51,273

Average Creditable Service

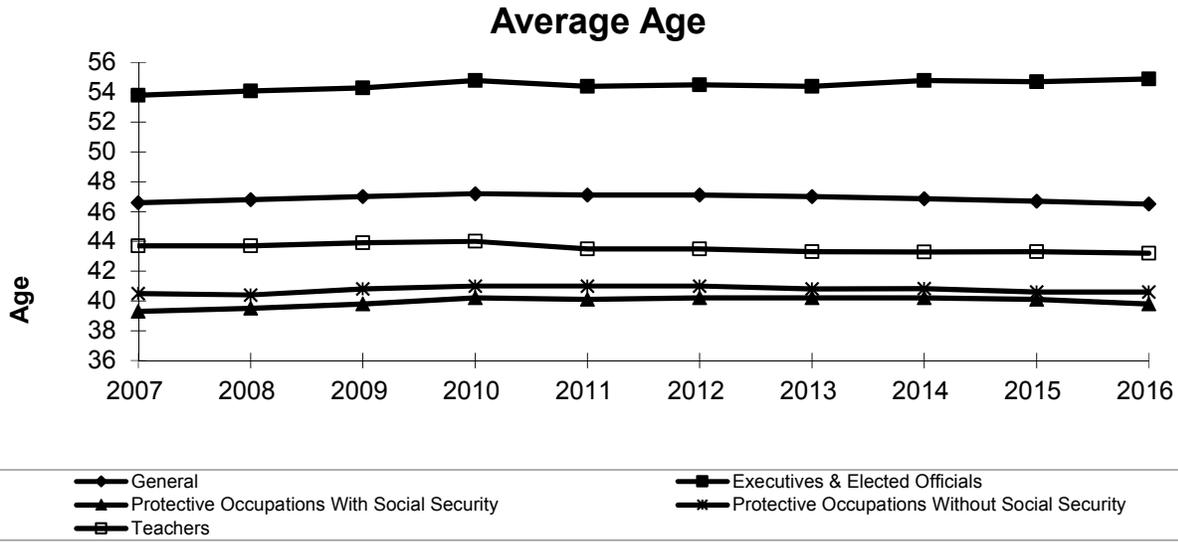


Average Creditable Service

Year	General	Teachers	Executives & Elected Officials	Protective Occupations With Social Security	Protective Occupations Without Social Security	Average
2007	10.6	12.0	12.5	11.3	13.6	11.3
2008	10.6	12.1	12.9	11.5	13.6	11.3
2009	10.7	12.2	12.9	11.9	13.9	11.3
2010	10.8	12.3	13.1	12.3	14.0	11.5
2011	11.1	12.4	13.2	12.7	14.6	11.8
2012	11.1	12.4	13.7	12.8	14.5	11.8
2013	11.0	12.3	13.4	12.9	14.3	11.7
2014	10.9	12.4	13.8	12.8	14.4	11.7
2015	10.7	12.5	13.6	12.8	14.2	11.6
2016	10.5	12.5	13.8	12.6	14.1	11.5



STATISTICAL SECTION



Average Age

Year	General	Teachers	Executives & Elected Officials	Protective Occupations With Social Security	Protective Occupations Without Social Security	Average
2007	46.6	43.7	53.8	39.3	40.5	44.9
2008	46.8	43.7	54.1	39.5	40.4	45.0
2009	47.0	43.9	54.3	39.8	40.8	44.9
2010	47.2	44.0	54.8	40.2	41.0	45.4
2011	47.1	43.5	54.4	40.1	41.0	45.2
2012	47.1	43.5	54.5	40.2	41.0	45.2
2013	47.0	43.3	54.4	40.2	40.8	45.1
2014	46.9	43.3	54.8	40.2	40.8	45.0
2015	46.7	43.3	54.7	40.1	40.6	44.8
2016	46.5	43.2	54.9	39.8	40.6	44.7

Active Participants by Employer Type

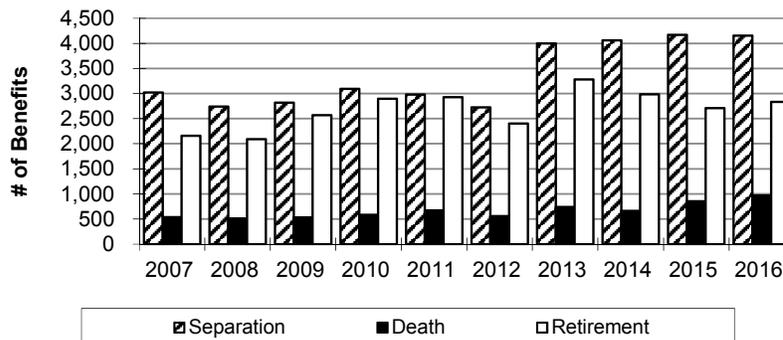
Year	Local Employers							Totals
	School Districts	Counties	Cities	Technical Colleges	Villages	Towns	Special Districts	
2007	113,584	36,043	23,646	9,750	4,831	1,482	2,883	192,219
2008	114,264	35,798	23,812	10,035	4,910	1,491	3,246	193,556
2009	115,380	35,437	23,744	10,268	5,021	1,510	3,518	194,878
2010	114,882	34,652	23,661	10,431	5,031	1,507	3,725	193,889
2011	110,008	33,549	22,993	10,129	4,952	1,552	3,680	186,863
2012	108,758	33,045	22,506	10,036	4,838	1,566	3,815	184,564
2013	108,504	33,044	22,251	9,873	4,746	1,550	3,729	183,697
2014	108,565	32,836	22,211	9,751	4,717	1,519	3,763	183,362
2015	108,492	32,746	22,177	9,487	4,716	1,501	3,922	183,041
2016	109,245	32,757	22,071	9,393	4,789	1,489	4,027	183,771

Year	State Government			Totals All Employers
	State Agencies	University	Totals	
2007	41,136	30,026	71,162	263,381
2008	41,611	30,554	72,165	265,721
2009	41,497	30,918	72,415	267,293
2010	41,215	31,525	72,740	266,629
2011	39,642	30,749	70,391	257,254
2012	40,745	31,524	72,269	256,833
2013	41,333	31,758	73,091	256,788
2014	42,063	31,830	73,893	257,255
2015	42,096	30,940	73,036	256,077
2016	42,741	30,773	73,514	257,285

Number of Lump Sum Benefits Paid

Year	Separation	Death	Retirement
2007	3,020	536	2,160
2008	2,738	512	2,089
2009	2,817	534	2,571
2010	3,093	584	2,896
2011	2,979	670	2,929
2012	2,725	556	2,403
2013	3,998	740	3,281
2014	4,061	662	2,987
2015	4,167	855	2,710
2016	4,155	968	2,832

Number of Lump Sum Benefits Paid

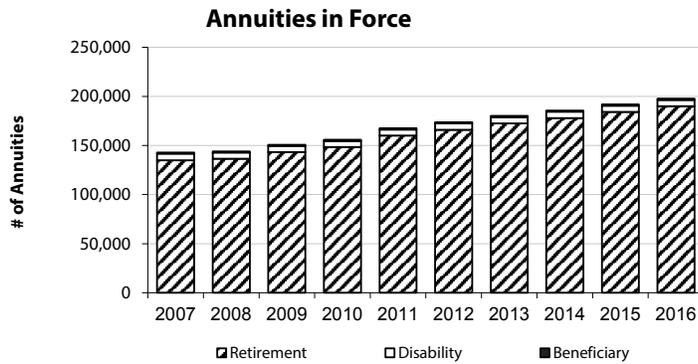




STATISTICAL SECTION

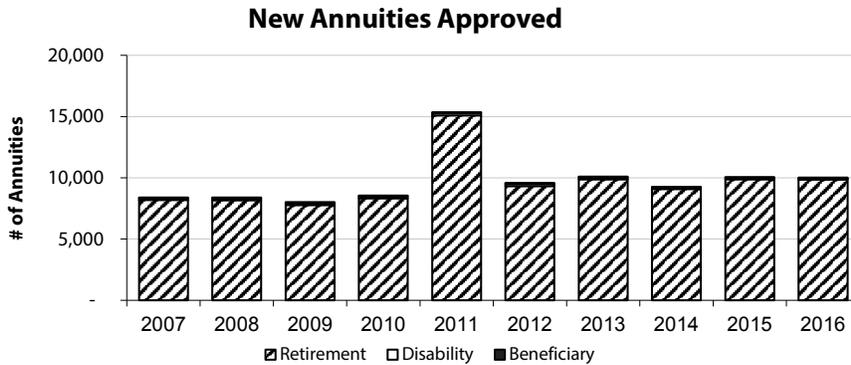
Number of Annuities in Force

Year	Retirement	Disability	Beneficiary	Totals
2007	135,026	6,558	1,322	142,906
2008	136,502	6,397	1,134	144,033
2009	143,261	6,224	1,186	150,671
2010	148,380	6,194	1,201	155,775
2011	160,044	6,201	1,208	167,453
2012	165,966	6,473	1,216	173,655
2013	172,430	6,393	1,233	180,056
2014	177,959	6,363	1,283	185,605
2015	184,180	6,305	1,310	191,795
2016	190,111	6,198	1,338	197,647

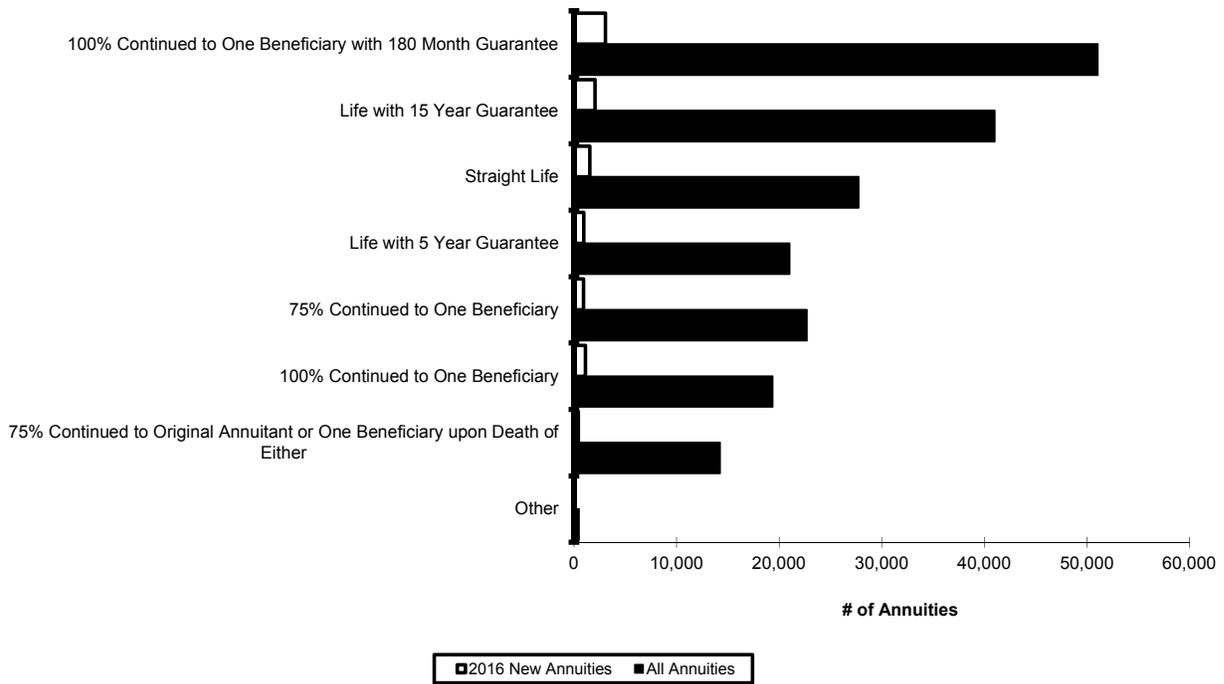


Number of New Annuities Approved

Year	Retirement	Disability	Beneficiary	Totals
2007	8,186	157	47	8,390
2008	8,165	174	61	8,400
2009	7,779	156	73	8,008
2010	8,330	159	69	8,558
2011	15,096	196	60	15,352
2012	9,322	183	67	9,572
2013	9,889	146	70	10,105
2014	9,080	125	69	9,274
2015	9,881	124	57	10,062
2016	9,866	98	62	10,026



Annuities by Payment Option



**Wisconsin Retirement System
Average Monthly Annuities by Years of Service**

	Years of Service									
	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40	40 - 45	Over 45
Average Monthly Annuity	\$ 439	\$ 574	\$ 822	\$ 1,207	\$ 1,755	\$ 2,457	\$ 3,073	\$ 3,902	\$ 5,207	\$ 7,949
Average Final Average Salary	\$ 23,404	\$ 32,495	\$ 38,055	\$ 45,154	\$ 51,418	\$ 56,224	\$ 58,536	\$ 59,917	\$ 63,002	\$ 64,741
Number of Annuitants	6,555	16,715	20,705	22,893	25,102	28,717	38,944	14,916	2,365	229

**Wisconsin Retirement System
Annuities by Type of Benefit**

Monthly Annuity Amount	Total Number of Annuities	Type of Annuity			Annuity Payment Option			
		Retirement	Disability	Beneficiary	Life Annuity	Life with Guarantee	Joint Survivor	Time Certain
\$ 0 - 500	27,837	26,654	644	539	4,722	11,330	11,752	33
\$ 500 - 1,000	31,670	30,057	1,001	612	5,612	11,709	14,314	35
\$ 1,000 - 1,500	27,929	26,485	1,083	361	4,141	9,399	14,364	25
\$ 1,500 - 2,000	25,722	24,533	1,028	161	3,272	7,797	14,643	10
\$ 2,000 - 2,500	24,537	23,476	938	123	2,840	6,809	14,880	8
\$ 2,500 - 3,000	20,741	20,005	640	96	2,452	5,562	12,718	9
\$ 3,000 - 3,500	15,244	14,717	439	88	1,851	3,861	9,528	4
\$ 3,500 - 4,000	10,462	10,156	259	47	1,229	2,656	6,577	0
\$ 4,000 - 4,500	6,651	6,505	123	23	843	1,603	4,203	2
\$ 4,500 - 5,000	4,277	4,191	64	22	473	1,029	2,774	1
Over \$ 5,000	7,229	7,137	44	48	874	1,560	4,784	11
Total	202,299	193,916	6,263	2,120	28,309	63,315	110,537	138



STATISTICAL SECTION

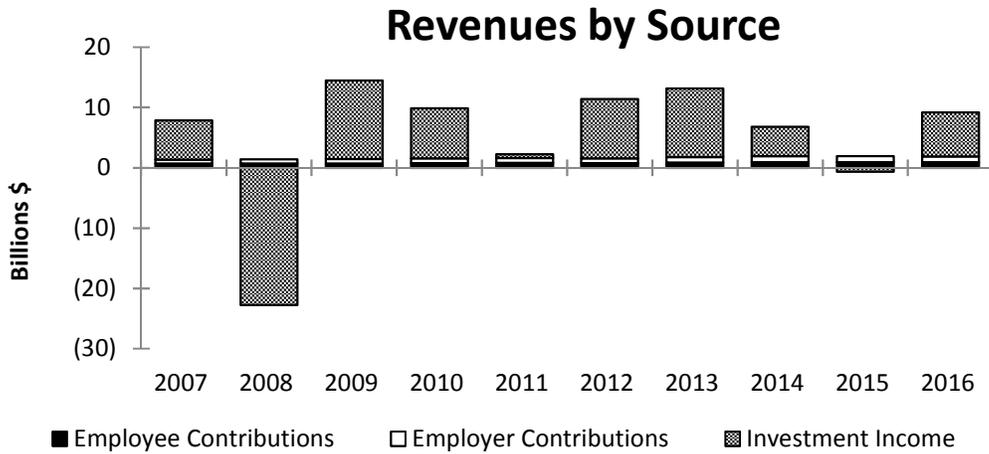
Revenues by Source ⁽¹⁾
(In thousands)

Year	Employee Contributions ⁽²⁾		Employer Contributions ⁽³⁾		Investment Income	Other Income	Total Revenues
	Dollars	% of Annual Payroll	Dollars	% of Annual Payroll			
2007	705,804	6.0%	655,128	5.6%	6,495,914	1,823	7,858,669
2008	736,149	6.0%	683,520	5.6%	(22,744,110)	1,618	(21,322,822)
2009	736,689	5.8%	705,997	5.6%	13,024,986	1,117	14,468,790
2010	787,460	6.2%	750,702	5.9%	8,317,435	990	9,856,588
2011	797,856	6.3%	789,244	6.2%	664,151	849	2,252,100
2012	757,151	6.0%	799,350	6.3%	9,858,710	678	11,415,889
2013	871,260	6.8%	914,698	7.1%	11,343,231	532	13,129,721
2014	906,499	6.9%	1,023,197	7.7%	4,888,240	642	6,818,578
2015	937,225	6.9%	977,734	7.2%	(674,988)	248	1,240,219
2016	921,864	6.7%	963,122	7.0%	7,271,531	341	9,156,858

1 Employee required contributions made in accordance with statutory requirements. Employer required contributions were made in accordance with actuarially-determined contribution requirements.

2 Employee contributions include all employee required, employee additional and benefit adjustment contributions, including those paid by the employer on behalf of the employee.

3 Employer contributions include all employer required contributions, including contributions for unfunded actuarial accrued liability.





Expenses by Type
(In Millions)

Year	Age and Service Benefits		Disability Benefits	Death Benefits	Separation Benefits	Administrative Expense	Other Benefit Expense	Total Expenses
	Retirants	Beneficiaries						
2007	3,323.6	15.6	142.3	36.9	24.2	17.7		3,560.3
2008	3,627.5	17.2	149.1	28.8	27.4	19.1		3,869.0
2009	3,609.6	17.4	146.3	24.4	24.8	20.9		3,843.3
2010	3,683.2	17.2	145.2	29.1	26.4	17.6		3,918.7
2011	3,941.6	17.8	144.4	33.1	28.0	18.6		4,183.5
2012	4,023.8	18.2	141.5	24.8	26.6	21.5		4,256.4
2013	4,035.5	18.2	132.9	38.0	33.3	22.9		4,280.8
2014	4,309.0	19.5	135.9	33.5	34.4	24.0	42.3	4,598.6
2015	4,587.3	20.7	140.5	31.8	37.6	22.7	43.3	4,883.9
2016	4,759.2	21.5	140.5	30.4	39.3	20.4	71.3	5,082.6

**Wisconsin Retirement System
Principal Participating Employers
Current Year and Nine Years Ago**

Participating Government	2016			2007		
	Covered Employees	Rank	Percentage of Total System	Covered Employees	Rank	Percentage of Total System
State of Wisconsin	73,514	1	28.6%	71,162	1	27.0%
Milwaukee Teachers Retirement System	5,989	2	2.3%	6,821	2	2.6%
Madison Metro School District	4,499	3	1.7%	4,220	3	1.6%
Green Bay Area School District	2,987	4	1.2%	2,909	5	1.1%
City of Madison	2,926	5	1.1%	2,935	4	1.1%
Kenosha Unified School District	2,771	6	1.1%	2,890	6	1.1%
Racine Unified School District	2,720	7	1.1%	2,705	7	1.0%
Dane County	2,377	8	0.9%	2,255	8	0.9%
Appleton Area School District	1,877	9	0.7%	1,727	10	0.7%
Milwaukee Area Technical College	1,666	10	0.6%	1,877	9	0.7%
All Other	155,959		60.6%	163,880		62.2%
Total (1,495 employers)	<u>257,285</u>		<u>100.0%</u>	<u>263,381</u>		<u>100.0%</u>



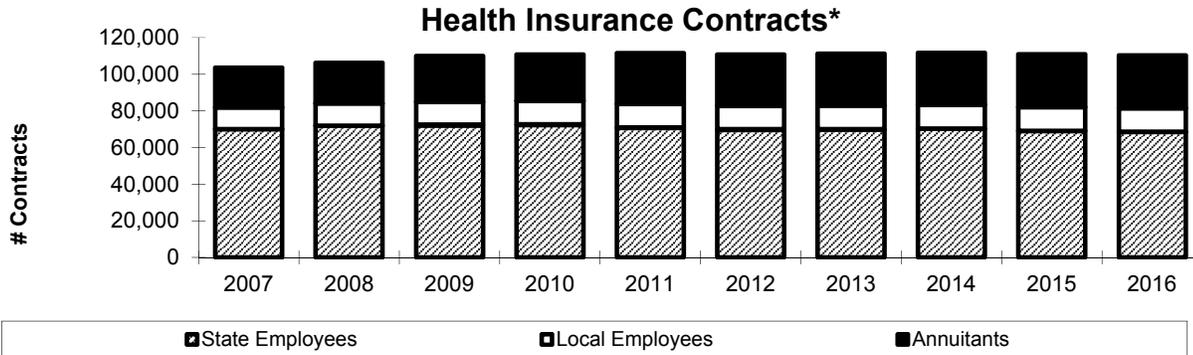
STATISTICAL SECTION

Group Health Insurance Program Statistics Health Insurance Contracts

Year	Active Employees	Continuants*	Annuitants				Total Retired	Totals
			Annuity Deduction	Sick Leave Conversion	Direct Pay^			
State								
2007	70,119	0	9,427	10,417	0	19,844	89,963	
2008	71,925	0	9,433	10,825	0	20,258	92,183	
2009	71,924	590	11,112	11,288	0	22,400	94,914	
2010	72,313	478	9,179	11,788	1,732	22,699	95,490	
2011	70,656	378	9,126	14,157	1,727	25,010	96,044	
2012	69,650	430	9,146	14,398	1,827	25,371	95,451	
2013	69,772	367	9,187	14,701	1,777	25,665	95,804	
2014	70,219	178	8,913	15,074	1,823	25,810	96,207	
2015	68,964	160	8,903	15,800	1,664	26,367	95,491	
2016	68,463	180	8,550	16,453	1,568	26,571	95,214	
Local								
2007	11,777	0	1,871	0	0	1,871	13,648	
2008	12,159	0	1,873	0	0	1,873	14,032	
2009	12,398	88	2,557	0	0	2,557	15,043	
2010	12,700	89	2,258	0	225	2,483	15,272	
2011	12,826	86	2,284	0	236	2,520	15,432	
2012	12,679	80	2,366	0	229	2,595	15,354	
2013	12,749	80	2,295	0	253	2,548	15,377	
2014	12,890	43	2,283	0	252	2,535	15,468	
2015	12,957	47	2,164	0	238	2,402	15,406	
2016	12,812	37	2,003	0	205	2,208	15,057	

*This data unavailable prior to 2009

^This data unavailable prior to 2010



*For display purposes, state and local continuants were statistically insignificant and therefore not included in this chart.

Group Health Insurance Program Premiums by Source (In Thousands)

Year	Employer	Employee ⁽¹⁾	Annuitant	Sick Leave Conversion	Medicare	Stabilization	Life Insurance Conversion	Totals
State								
2007	763,681	49,268	58,003	85,958	10,464	28	2	967,404
2008	834,363	51,160	60,171	92,434	10,713	26	0	1,048,867
2009	965,386	n/a	63,453	100,390	11,909	25	95	1,141,258
2010	1,067,164	n/a	72,861	111,676	11,864	0	390	1,263,954
2011	1,112,382	n/a	73,166	130,840	11,733	0	464	1,328,585
2012	1,034,066	n/a	61,495	130,154	17,865	0	412	1,243,993
2013	1,082,211	n/a	64,201	133,809	19,438	0	485	1,300,144
2014	1,128,667	n/a	67,624	141,449	18,633	0	640	1,357,013
2015	1,173,419	n/a	71,537	155,688	23,053	0	681	1,424,378
2016	1,113,654	n/a	73,035	166,994	24,767	0	845	1,379,295
Local								
2007	124,802	7,775	11,534	0	407	1	0	144,519
2008	137,141	7,398	12,021	0	467	1	0	157,028
2009	167,907	n/a	13,324	0	461	1	0	181,693
2010	189,480	n/a	15,362	0	574	0	3	205,419
2011	205,211	n/a	14,700	0	427	0	0	220,338
2012	198,476	n/a	13,926	0	1,846	0	0	214,248
2013	206,812	n/a	14,746	0	2,047	0	0	223,605
2014	219,413	n/a	14,969	0	1,808	0	3	236,193
2015	222,514	n/a	14,918	0	2,051	0	4	239,487
2016	222,052	n/a	14,452	0	1,982	0	9	238,495
Local Annuitants								
2007	0	0	823	0	0	0	3	826
2008	0	0	856	0	0	0	3	859
2009	0	0	958	0	0	0	4	962
2010	0	0	1,045	0	0	0	4	1,049
2011	0	0	985	0	0	0	2	987
2012	0	0	1,085	0	0	0	3	1,088
2013	0	0	1,097	0	0	0	3	1,100
2014	0	0	969	0	0	0	3	972
2015	0	0	865	0	0	0	2	867
2016	0	0	742	0	0	0	0	742

⁽¹⁾ Beginning in 2009 the employee paid portion of active participant health insurance premiums is no longer identifiable.



STATISTICAL SECTION

Group Life Insurance Program Statistics
Life Insurance Premiums Collected
(In Thousands)

Year	Employee					Employer			Totals
	Basic	Suppl	Additional	Spouse & Dependent	Total	Basic	Suppl	Total	
<u>State</u>									
2007	6,157	4,552	5,448	1,027	17,184	2,956	1,232	4,188	21,372
2008	6,600	4,861	6,585	1,039	19,085	3,161	1,312	4,473	23,558
2009	7,074	5,198	7,409	1,053	20,734	3,408	1,408	4,816	25,550
2010	7,363	5,404	7,834	1,253	21,855	3,519	1,453	4,971	26,826
2011	7,302	4,577	7,248	1,275	20,402	3,488	1,180	4,668	25,070
2012	6,285	4,557	6,758	1,233	18,833	2,873	1,204	4,078	22,911
2013	6,235	4,513	7,008	1,222	18,978	2,926	1,222	4,148	23,125
2014	6,323	4,573	7,351	1,217	19,465	3,028	1,262	4,290	23,755
2015	6,412	4,625	7,639	1,204	19,880	3,071	1,275	4,346	24,226
2016	6,519	4,688	7,912	1,193	20,312	3,074	1,271	4,345	24,657
<u>Local</u>									
2007	9,969	2,189	6,356	1,428	19,943	2,764	73	2,837	22,780
2008	10,352	2,337	6,747	1,337	20,773	2,868	71	2,939	23,712
2009	10,573	2,540	7,224	1,342	21,679	3,185	17	3,201	24,881
2010	10,950	2,642	7,636	1,329	22,558	3,247	53	3,300	25,858
2011	10,933	2,702	7,761	1,298	22,694	3,250	54	3,304	25,997
2012	10,612	2,692	7,666	1,248	22,218	3,319	51	3,370	25,588
2013	10,497	2,736	7,575	1,216	22,024	3,264	17	3,281	25,305
2014	10,561	2,789	7,737	1,209	22,296	3,317	16	3,334	25,629
2015	10,640	2,897	7,992	1,196	22,725	3,495	18	3,513	26,238
2016	10,976	3,072	8,312	1,191	23,551	3,576	19	3,595	27,146

Group Life Insurance In Force
(In Thousands)

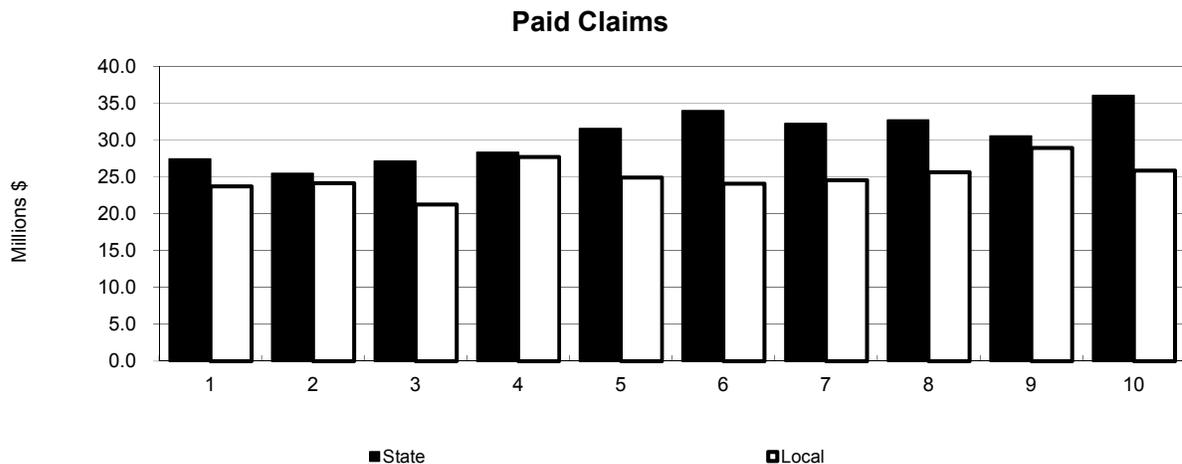
Year	Pre-Retirement			Post-Retirement	Spouse & Dependent	Totals
	Basic	Supplemental	Additional			
<u>State</u>						
2007	2,953,085	2,163,847	2,686,412	320,233	592,020	8,715,597
2008	3,101,958	2,267,825	2,897,834	348,802	594,715	9,211,134
2009	3,288,721	2,401,767	3,175,970	371,715	605,205	9,843,378
2010	3,302,757	2,410,238	3,247,085	396,600	601,900	9,958,580
2011	3,296,564	2,385,886	3,250,843	449,897	567,755	9,950,945
2012	3,231,871	2,321,576	3,258,782	493,214	561,610	9,867,053
2013	3,327,163	2,387,599	3,424,431	536,246	562,840	10,238,279
2014	3,392,305	2,431,610	3,563,096	581,765	570,825	10,539,601
2015	3,449,798	2,462,720	3,673,851	628,843	566,585	10,781,797
2016	3,592,964	2,537,127	3,870,341	685,322	568,225	11,253,979
<u>Local</u>						
2007	3,849,827	1,085,500	3,171,093	209,310	893,160	9,208,890
2008	3,998,963	1,157,300	3,369,883	230,296	895,485	9,651,927
2009	4,173,626	1,237,027	3,614,168	247,986	897,225	10,170,032
2010	4,280,427	1,296,473	3,809,183	263,635	882,590	10,532,308
2011	4,303,919	1,364,577	3,903,476	296,558	852,035	10,720,565
2012	4,182,413	1,346,900	3,801,144	339,426	819,980	10,489,863
2013	4,340,129	1,412,278	4,146,681	369,512	810,265	11,078,865
2014	4,440,538	1,458,009	4,263,886	401,639	805,950	11,370,022
2015	4,537,463	1,534,501	4,408,995	433,245	807,400	11,721,604
2016	4,706,013	1,620,126	4,609,255	472,046	803,760	12,211,200

Group Life Insurance Program Paid Claims (In Thousands)

Year	Pre-Retirement			Post-Retirement	Spouse & Dependent	Living Benefits ⁽¹⁾	Totals
	Life	AD&D	Disability				
State							
2007	15,424	578	1,048	8,774	1,095	512	27,431
2008	12,438	948	1,834	8,688	1,182	365	25,454
2009	13,567	1,152	1,697	9,300	1,116	314	27,145
2010	14,356	893	1,496	10,473	959	162	28,340
2011	16,749	1,285	1,184	9,881	1,241	1,211	31,551
2012	17,137	1,260	1,343	12,040	1,027	1,185	33,991
2013	17,179	284	323	12,894	1,309	252	32,241
2014	13,243	1,314	1,512	14,772	1,091	792	32,724
2015	14,302	45	6	14,180	887	1,111	30,531
2016	19,808	935	(475)	13,897	966	894	36,025
Local							
2007	13,662	1,192	1,327	5,305	1,690	531	23,708
2008	15,929	1,286	578	4,439	1,617	296	24,146
2009	12,408	444	1,070	5,552	1,540	240	21,253
2010	16,512	1,513	943	5,954	1,458	1,332	27,712
2011	14,646	1,188	1,215	6,141	1,633	81	24,904
2012	13,704	788	1,175	6,588	1,180	655	24,090
2013	14,456	1,305	6	7,415	1,331	37	24,550
2014	13,195	1,468	1,484	7,337	1,246	928	25,659
2015	16,181	1,225	611	8,705	1,051	1,165	28,938
2016	13,216	743	1,245	8,954	1,202	504	25,864

¹ Living Benefits may originate as Pre-Retirement, Post-Retirement or Spouse & Dependent benefits.

Group Life Insurance Program Paid Claims



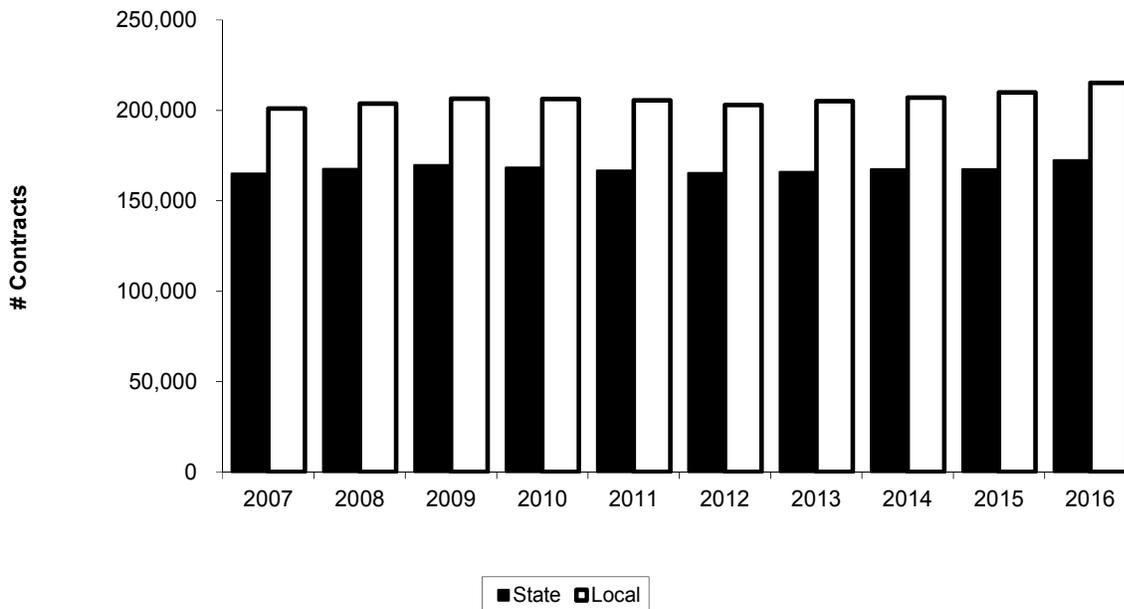


STATISTICAL SECTION

Life Insurance Program Contracts and Participants

Year	Pre-Retirement			Post-Retirement	Spouse & Dependent	Total Contracts	Total Participants
	Basic	Suppl	Addl				
State							
2007	57,907	41,813	25,851	14,729	24,762	165,062	72,636
2008	58,668	42,246	26,444	15,431	24,796	167,585	74,099
2009	59,045	42,467	26,959	16,034	25,145	169,650	75,079
2010	58,070	41,840	26,805	16,584	25,008	168,307	74,654
2011	57,673	41,247	26,503	17,847	23,446	166,716	75,520
2012	56,773	40,243	26,288	18,921	23,153	165,378	75,694
2013	56,516	39,940	26,297	20,025	23,203	165,981	76,541
2014	56,652	39,958	26,237	21,168	23,478	167,493	77,820
2015	56,194	39,441	26,120	22,396	23,309	167,460	78,590
2016	58,073	40,135	27,009	23,767	23,393	172,377	81,840
Local							
2007	86,623	23,712	33,994	19,926	36,861	201,116	106,549
2008	87,150	24,444	34,430	20,912	36,905	203,841	108,062
2009	87,616	25,128	35,114	21,787	36,940	206,585	109,403
2010	86,828	25,336	35,257	22,671	36,340	206,432	109,499
2011	85,714	26,155	34,768	23,956	35,036	205,629	109,670
2012	83,863	26,053	33,833	25,573	33,704	203,026	109,436
2013	83,519	26,111	35,166	27,049	33,297	205,142	110,568
2014	83,887	26,288	35,241	28,634	33,117	207,167	112,521
2015	84,087	27,065	35,355	30,209	33,230	209,946	114,296
2016	86,252	28,163	36,194	31,927	32,810	215,346	118,179

Life Insurance Contracts



Duty Disability Insurance Statistics

(In Millions)

Year	Employers	Active		Benefit		Average Contribution Rate
		Participants	Disabilitants	Payments	Contributions	
2007	499	22,550	n/a	26	48	3.92%
2008	500	22,843	836	27	51	3.93%
2009	502	23,019	839	29	52	3.89%
2010	504	22,871	938	30	52	3.91%
2011	503	22,352	957	30	53	3.98%
2012	501	22,144	964	30	53	4.02%
2013	512	21,976	973	31	54	4.06%
2014	506	22,346	990	32	9	0.70%
2015	497	22,035	1,002	33	9	0.64%
2016	496	22,223	1,007	34	4	0.28%

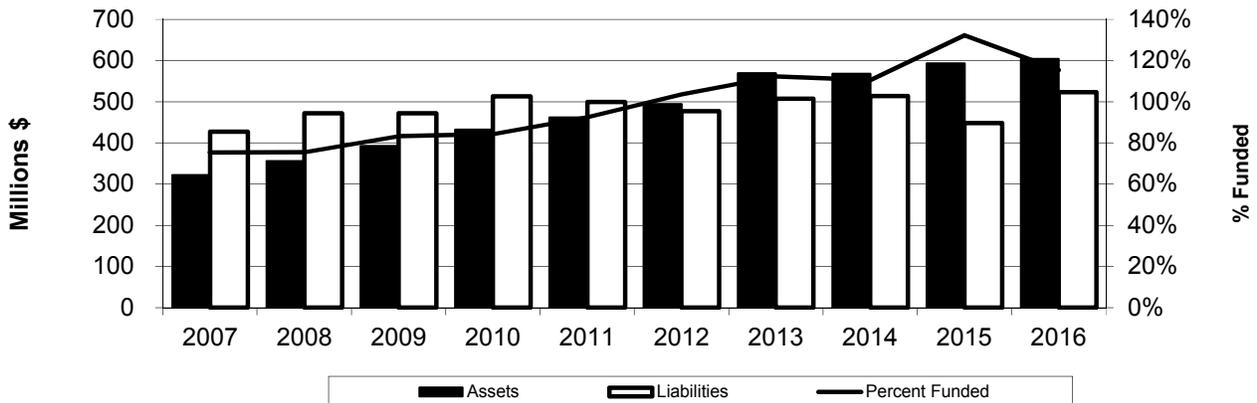
Duty Disability Insurance Statistics

Funded Status

(In Millions)

Year	Assets	Liabilities	Unfunded (Overfunded) Liability	Percent Funded	UAAL as % of Covered Payroll	
					Covered Payroll	Payroll
2007	321.9	427.1	105.2	75.4%	1,217.3	8.6%
2008	355.5	471.7	116.1	75.4%	1,286.7	9.0%
2009	392.4	471.7	79.2	83.2%	1,322.5	6.0%
2010	432.1	512.8	80.7	84.3%	1,326.3	6.1%
2011	461.6	499.0	37.4	92.5%	1,332.7	2.8%
2012	494.1	477.0	(17.1)	103.6%	1,318.3	(1.3%)
2013	568.9	507.1	(61.8)	112.2%	1,328.2	(4.7%)
2014	567.2	513.2	(54.1)	110.5%	1,370.7	(3.9%)
2015	592.8	448.1	(144.7)	132.3%	1,401.3	(10.3%)
2016	603.8	523.2	(80.6)	115.4%	1,430.8	(5.6%)

Duty Disability Funding





STATISTICAL SECTION

**Duty Disability Insurance
Principal Participating Employers
Current Year and Nine Years Ago**

Participating Government	2016			2007		
	Covered Employees	Rank	Percentage of Total System	Covered Employees	Rank	Percentage of Total System
State of Wisconsin	8,707	1	39.2%	8,692	1	38.5%
City of Madison	831	2	3.7%	714	2	3.2%
Dane County	439	3	2.0%	432	3	1.9%
City of Green Bay	371	4	1.7%	369	4	1.6%
City of Kenosha	344	5	1.5%	327	6	1.5%
City of Racine	331	6	1.5%	336	5	1.5%
City of West Allis	228	7	1.0%	238	8	1.1%
City of Waukesha	216	8	1.0%	203	9	0.9%
City of Oshkosh	204	9	0.9%	199	11	0.9%
City of Appleton	197	10	0.9%	201	10	0.9%
All Other	10,355		46.6%	10,839		48.1%
Total (496 employers)	<u>22,223</u>		<u>100.0%</u>	<u>22,550</u>		<u>100.0%</u>

Duty Disability Annuities by Type of Benefit

Monthly Benefit Amount	Number of Annuitants	Type of Annuity	
		Disability	Beneficiary
\$ 0 - 500	23	23	0
\$ 500 - 1,000	62	43	19
\$ 1,000 - 1,500	66	62	4
\$ 1,500 - 2,000	103	101	2
\$ 2,000 - 2,500	108	100	8
\$ 2,500 - 3,000	97	93	4
\$ 3,000 - 3,500	127	120	7
\$ 3,500 - 4,000	96	92	4
\$ 4,000 - 4,500	93	91	2
\$ 4,500 - 5,000	94	94	0
Over \$ 5,000	82	78	4
Total	951	897	54

* This table excludes annuitants whose benefit is totally offset by other income sources.

**Duty Disability Insurance
Average Monthly Benefit by Years of Service**

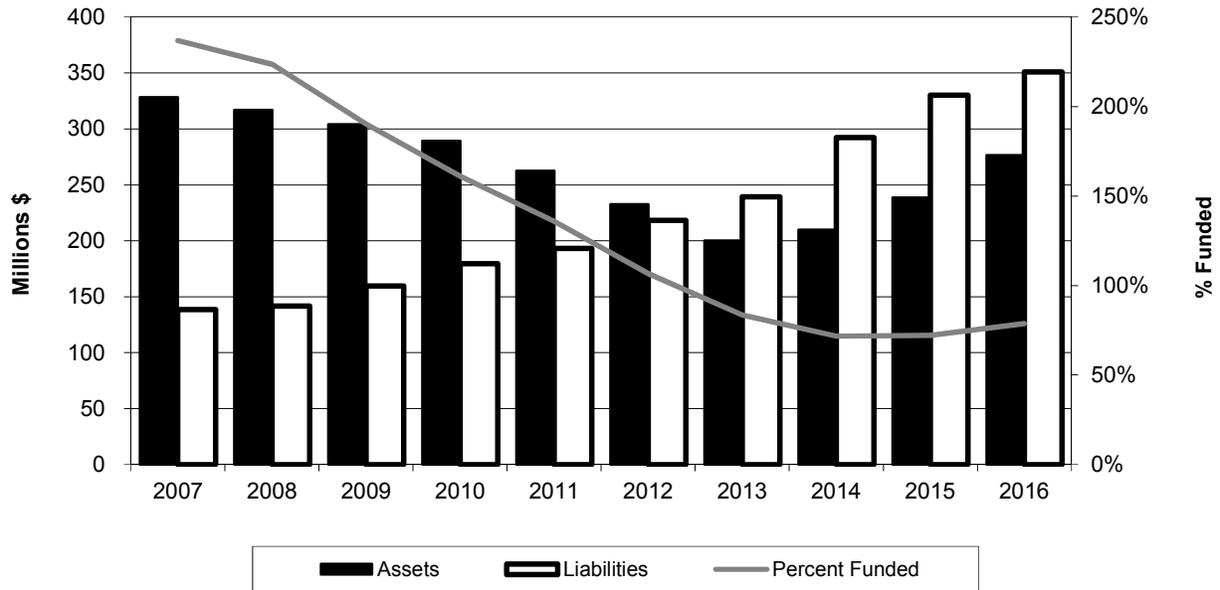
	Years of Service						
	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35
Average Monthly Annuity	\$ 3,363	\$ 3,793	\$ 3,524	\$ 3,050	\$ 2,334	\$ 1,764	\$ 2,133
Average Final Average Salary	\$ 2,507	\$ 3,373	\$ 3,598	\$ 3,785	\$ 3,862	\$ 4,239	\$ 3,628
Number of Annuitants	52	169	205	251	196	72	6

* This table excludes annuitants for whom years of service data is not available

Long-Term Disability Insurance Statistics (In millions)

Year	Assets	Liabilities	Unfunded (Overfunded) Liability	Percent Funded	Covered Payroll (In Millions)	UAAL as % of Covered Payroll
2007	328.32	138.63	(189.7)	236.8%	11,720	(1.6%)
2008	316.72	141.63	(175.1)	223.6%	12,290	(1.4%)
2009	303.87	159.73	(144.1)	190.2%	12,622	(1.1%)
2010	289.26	179.50	(109.8)	161.1%	12,744	(0.9%)
2011	262.48	193.30	(69.2)	135.8%	12,719	(0.5%)
2012	232.61	218.15	(14.5)	106.6%	12,628	(0.1%)
2013	200.07	239.30	39.2	83.6%	12,885	0.3%
2014	209.75	292.42	82.7	71.7%	13,219	0.6%
2015	238.58	330.27	91.7	72.2%	13,530	0.7%
2016	276.46	350.85	74.4	78.8%	13,706	0.5%

Long-Term Disability Insurance Funding

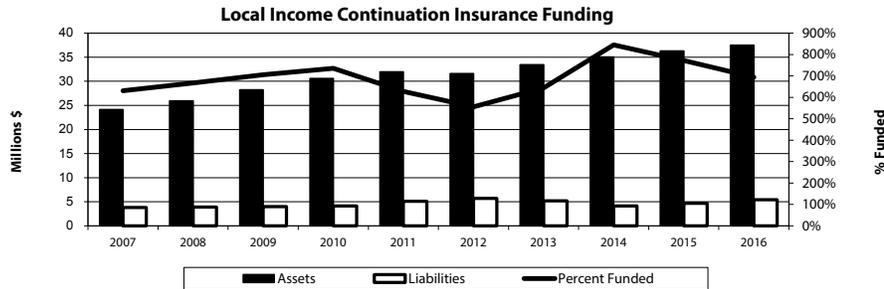




STATISTICAL SECTION

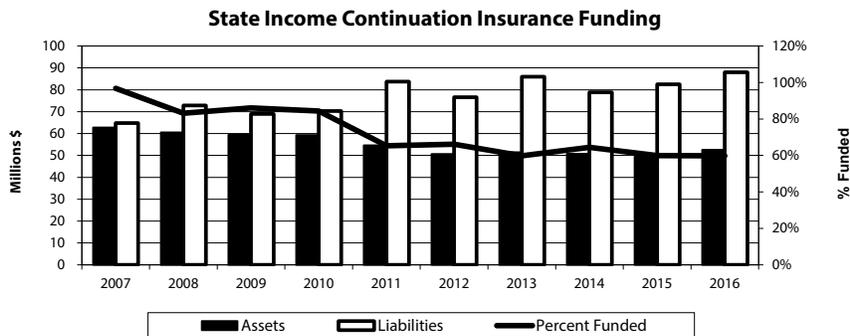
Local Income Continuation Insurance Statistics
(In Millions)

Year	Members	Claims	Assets	Liabilities	Unfunded (Overfunded) Liability	Funded Ratio
Local						
2007	7,270	70	24.1	3.8	(20.3)	631.1%
2008	7,837	67	25.9	3.9	(22.1)	667.4%
2009	8,229	87	28.2	4.0	(24.2)	705.8%
2010	7,964	75	30.6	4.2	(26.4)	735.8%
2011	7,878	93	31.9	5.1	(26.9)	627.6%
2012	7,593	90	31.6	5.7	(25.9)	555.6%
2013	8,344	130	33.4	5.2	(28.2)	644.1%
2014	8,463	118	35.1	4.1	(30.9)	845.0%
2015	8,597	137	36.3	4.7	(31.6)	772.3%
2016	8,710	149	37.5	5.4	(32.1)	694.4%



State Income Continuation Insurance Statistics
(In Millions)

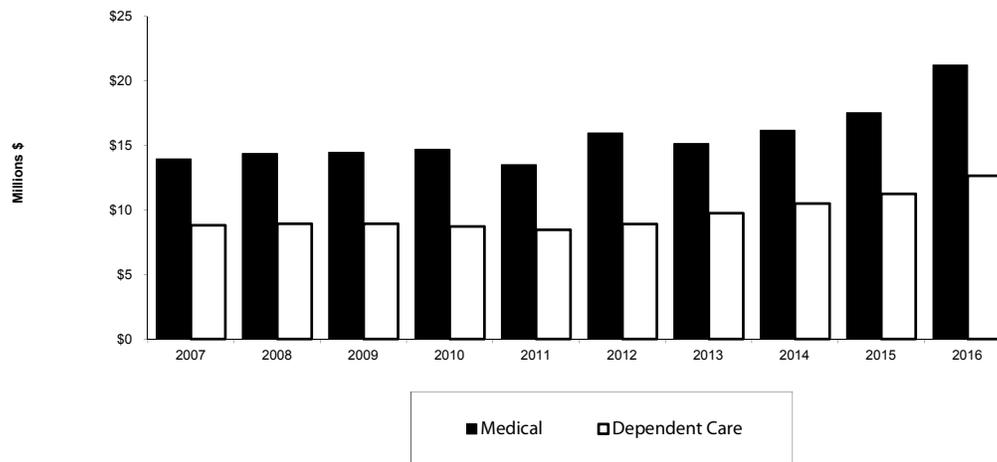
Year	Members	Claims	Assets	Liabilities	Unfunded (Overfunded) Liability	Funded Ratio
State						
2007	55,048	1,388	62.7	64.8	2.1	96.8%
2008	55,908	1,419	60.5	72.8	12.3	83.1%
2009	56,596	1,399	59.4	69.0	9.6	86.1%
2010	56,068	1,415	59.3	70.3	11.0	84.4%
2011	52,573	1,545	54.6	83.7	29.1	65.2%
2012	53,488	1,663	50.7	76.6	26.0	66.1%
2013	51,692	1,648	51.4	85.9	34.5	59.8%
2014	51,379	1,645	50.8	78.8	28.1	64.4%
2015	49,769	1,581	49.4	82.5	33.1	59.9%
2016	49,724	1,434	52.6	88.0	35.4	59.8%



**Employee Reimbursement Accounts Program Statistics
Salary Reductions and Claims**

Year	Medical					Dependent Care			
	Accounts	Salary Reductions	Claims	Forfeitures	Carryover	Accounts	Salary Reductions	Claims	Forfeitures
2007	11,587	13,953,387	13,749,822	203,565	0	2,389	8,832,561	8,774,586	57,975
2008	10,922	14,372,252	14,178,505	193,747	0	2,186	8,934,444	8,854,653	79,791
2009	10,975	14,455,388	14,243,697	211,691	0	2,211	8,948,891	8,860,082	88,810
2010	11,428	14,690,079	14,496,161	193,918	0	2,166	8,737,997	8,668,217	69,780
2011	10,723	13,498,149	13,373,269	124,880	0	2,133	8,476,558	8,420,493	56,065
2012	12,373	15,948,452	15,828,849	119,603	0	2,245	8,911,658	8,847,562	64,096
2013	12,956	15,149,278	14,922,337	226,941	0	2,469	9,750,422	9,675,871	74,551
2014	13,370	16,163,180	15,911,661	251,519	0	2,672	10,496,707	10,398,333	98,374
2015	14,496	17,522,880	17,363,053	159,827	922,961	2,964	11,258,100	11,063,383	194,717
2016	17,562	21,212,300	20,278,280	235,481	1,621,500	3,284	12,668,920	12,440,766	228,154

Salary Reductions



**Employee Reimbursement Accounts Program Statistics
Administrative Funding**

Year	Receipts				Expenses			Surplus / (Deficit)
	Fees	Interest	Forfeitures	Totals	Administrator	State	Total	
2007	457,303	284,850	261,540	1,003,693	699,699	118,552	818,251	185,442
2008	396,608	144,012	273,538	814,158	601,120	118,127	719,247	94,911
2009	409,931	28,172	300,500	738,603	603,121	123,055	726,176	12,427
2010	430,071	9,449	263,698	703,218	709,032	117,967	826,999	(123,781)
2011	427,725	10,435	180,945	619,105	681,803	111,024	792,827	(173,722)
2012	418,251	7,260	183,699	609,210	753,307	226,690	979,997	(370,787)
2013	500,554	3,910	301,492	805,956	786,888	230,327	1,017,215	(211,259)
2014	671,414	3,685	349,893	1,024,992	847,955	388,875	1,236,830	(211,838)
2015	667,768	5,371	354,544	1,027,683	516,225	246,118	762,343	265,340
2016	536,844	8,647	463,635	1,009,126	592,241	398,038	990,279	18,847



STATISTICAL SECTION

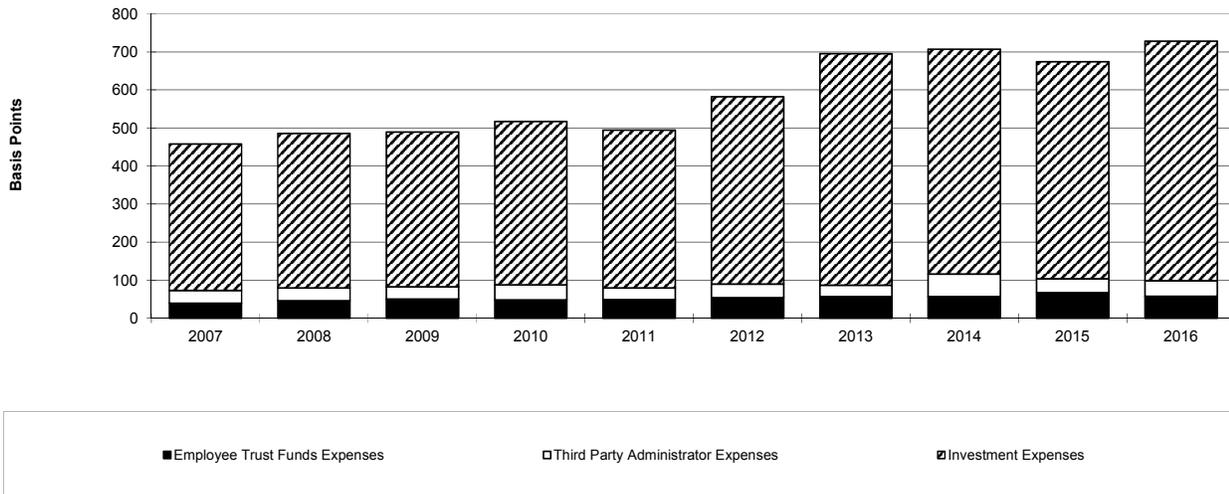
Administrative Expense Statistics
Administrative Expenses
 (In Thousands)

Year	ETF Expenses	Investment Expenses	Third Party Administrator Contracts						Commuter Benefits	Total Administration
			ERA	Health	Pharmacy	ICI	LTDI	Deferred Comp		
2007	21,958	212,143	700	2,140	10,081	1,910	908	2,317	96	252,253
2008	25,779	226,364	601	2,183	10,427	1,859	912	2,440	94	270,659
2009	28,565	230,129	603	2,244	9,717	1,348	1,764	2,548	94	277,012
2010	27,709	245,806	709	2,461	13,379	1,525	1,616	2,659	79	295,943
2011	28,664	241,413	682	2,264	9,056	1,449	1,692	2,639	77	287,935
2012	32,154	290,608	753	2,235	12,413	1,455	1,777	2,160	73	343,630
2013	33,817	362,011	787	2,286	8,756	1,419	1,881	2,484	87	413,526
2014	34,484	356,811	848	2,874	10,700	5,026	13,189	2,890	94	426,916
2015	41,512	350,036	516	2,938	10,779	1,508	3,104	3,126	60	413,579
2016	35,766	391,427	592	4,339	10,683	2,380	5,571	1,999	55	452,812

Administrative Expenses per Participant

Year	Participants	Employee Trust Funds		Investment Expenses		Third Party Administrators		Total Administration	
		Amount (\$000's)	Per Participant	Amount (\$000's)	Per Participant	Amount (\$000's)	Per Participant	Amount (\$000's)	Per Participant
2007	551,058	21,958	39.8	212,143	385.0	18,152	32.9	252,253	457.8
2008	557,062	25,779	46.3	226,364	406.4	18,516	33.2	270,659	485.9
2009	566,317	28,565	50.4	230,129	406.4	18,318	32.3	277,012	489.1
2010	572,219	27,709	48.4	245,806	429.6	22,428	39.2	295,943	517.2
2011	581,893	28,664	49.3	241,413	414.9	17,859	30.7	287,935	494.8
2012	590,461	32,154	54.5	290,608	492.2	20,867	35.3	343,630	582.0
2013	594,605	33,817	56.9	362,011	608.8	17,699	29.8	413,526	695.5
2014	603,983	34,484	57.1	356,811	590.8	35,621	59.0	426,916	706.8
2015	613,834	41,512	67.6	350,036	570.2	22,031	35.9	413,579	673.8
2016	622,123	35,766	57.5	391,427	629.2	25,619	41.2	452,812	727.8

Administrative Expense per Participant





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ACTUARIAL SECTION

State of Wisconsin
Department of Employee Trust Funds





July 17, 2017

Employee Trust Funds Board
801 West Badger Road
Madison, Wisconsin 53713-2526

**Re: Wisconsin Retirement System (WRS)
Actuarial Valuation as of December 31, 2016**

Ladies and Gentlemen:

The basic financial objective of the WRS is to establish and receive contributions which:

- When expressed in terms of percents of active member payroll, will remain approximately level from generation-to-generation; and
- When combined with present assets and future investment return, will be sufficient to meet the financial obligations of WRS to present and future retirees and beneficiaries.

The purpose of the valuation was to determine contribution rates for the 2018 fiscal year. The valuation should not be relied upon for any other purpose. The valuation process develops contribution rates that are sufficient to fund the plan's normal cost (i.e., the costs assigned by the valuation method to the year of service about to be rendered), as well as to fund unfunded actuarial accrued liabilities as a level percent of active member payroll over a finite period. The valuations were completed based upon population data, asset data, and plan provisions in effect on December 31, 2016.

The valuation was based upon information, furnished by the plan's administrative staff, concerning Retirement System benefits, financial transactions, and individual members, terminated members, retirees and beneficiaries. We checked the data for internal and year-to-year consistency, but did not audit the data. As a result, we do not assume responsibility for the accuracy or completeness of the data provided.

The actuary prepared the following supporting schedules for the Comprehensive Annual Financial Report:

Percent Increase in Salaries
Single Life Retirement Values
Rates of Retirement for Those Eligible to Retire
Early Retirement Pattern
Percentage of Active Members Withdrawing (Select and Ultimate)
Percentage of Active Members becoming Disabled
Solvency Test
Summary of Accrued and Unfunded Accrued Liabilities

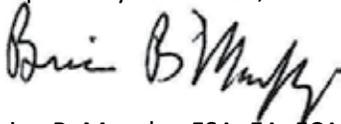
Assets are valued on a statutory market related basis that recognizes assumed return fully each year and spreads each year's gain or loss above or below assumed return over a closed five-year period.

Actuarial valuations are based upon assumptions regarding future activity in specific risk areas including the rates of investment return and payroll growth, eligibility for the various classes of benefits, and longevity among retired lives. The Board adopts these assumptions after considering the advice of the actuary and other professionals. The assumptions and the methods are in conformity with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. Each actuarial valuation takes into account all prior differences between actual and assumed experience in each risk area and adjusts the contribution rates as needed. The December 31, 2016 valuations were based upon assumptions that were recommended in connection with a study of experience covering the 2012-2014 period. Future actuarial measurements may differ significantly from those presented in the valuations due to such factors as experience differing from that anticipated by actuarial assumptions, changes in plan provision, actuarial assumptions/methods or applicable law. Due to the limited scope of the assignment, we did not perform an analysis of the potential range of future measurements. Readers desiring a more complete understanding of the actuarial condition of the WRS are encouraged to obtain and read the complete valuation reports. The material in the Actuarial Section and Financial Section of this CAFR contains some, but not all, of the information in the valuation reports.

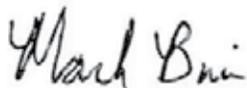
Based upon the results of the December 31, 2016 valuations, we are pleased to report to the Board that the Wisconsin Retirement System is meeting its basic financial objective and continues to operate in accordance with actuarial principles of level percent of payroll financing.

Brian B. Murphy, Mark Buis, and James D. Anderson 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 herein.

Respectfully submitted,



Brian B. Murphy, FSA, EA, FCA, MAAA



Mark Buis, FSA, EA, FCA, MAAA



James D. Anderson, FSA, EA, MAAA

BBM/MB/JDA:mrb





WISCONSIN RETIREMENT SYSTEM
ACTUARIAL STATEMENT OF ASSETS AND LIABILITIES
(MILLIONS \$)

	December 31, 2016	December 31, 2015	Increase (Decrease)
Assets and Employer Obligations			
Net Assets			
Cash, Investments & Receivables			
Less: Payables & Suspense Items			
Core Division	88,484.6	84,865.4	3,619.2
Variable Division	6,911.5	6,637.0	274.5
Totals	<u>95,396.1</u>	<u>91,502.4</u>	<u>3,893.7</u>
Obligations of Employers			
Unfunded Accrued Liability	17.8	24.1	(6.3)
Total Assets	<u><u>95,413.9</u></u>	<u><u>91,526.4</u></u>	<u><u>3,887.4</u></u>
Reserves and Surplus			
Reserves			
Actuarial Present Value of Projected Benefits Payable to Terminated Vested Participants and Active Members:			
Member Normal Contributions	17,177.6	16,537.2	640.4
Member Additional Contributions	184.0	170.0	14.0
Employer Contributions	22,288.3	21,967.4	320.9
Total Contributions	<u>39,649.9</u>	<u>38,674.6</u>	<u>975.3</u>
Actuarial Present Value of Projected Benefits Payable to Current Retirees and Beneficiaries:			
Core Annuities	50,941.4	48,897.5	2,043.9
Variable Annuities	3,645.1	3,910.1	(265.0)
Total Annuities	<u>54,586.5</u>	<u>52,807.6</u>	<u>1,778.9</u>
Total Reserves	<u>94,236.4</u>	<u>91,482.2</u>	<u>2,754.2</u>
Surplus			
Core Annuity Reserve Surplus	1,030.6	249.5	781.1
Variable Annuity Reserve Surplus	146.9	(205.3)	352.2
Total Surplus	<u>1,177.5</u>	<u>44.2</u>	<u>1,133.3</u>
Total Reserves and Surplus	<u><u>95,413.9</u></u>	<u><u>91,526.4</u></u>	<u><u>3,887.5</u></u>



SUMMARY OF BENEFIT PROVISIONS

Normal Retirement Eligibility

The age a participant becomes eligible for an unreduced age and service annuity is:

General		Protective Occupation		Executive & Elected	
Age	Service	Age	Service	Age	Service
65	Any *	54	Any*	62	Any*
57	30	53	25	57	30

*Participants first employed after 1989 and terminated before April 24, 1998, must have creditable service in five calendar years. Participants first employed after June 30, 2011 must have five years of creditable service.

Normal Retirement Annuity

The age and service annuity payable at Normal Retirement Age is based on Final Average Earnings (FAE) and creditable service as follows:

Multiplier for Service Rendered

Before 2000	Between 2000 and 2011	After 2011	Group
2.165%	2.0%	1.6%	Executive group and elected officials
2.165%	2.0%	2.0%	Protective occupation participants covered by Social Security
2.665%	2.5%	2.5%	Protective occupation participants not covered by Social Security
1.765%	1.6%	1.6%	All other participants

FAE is generally the average of the three highest years of earnings preceding retirement (July 1 - June 30 for teachers, educational support staff, and judges; calendar year for others). These years do not have to be consecutive. For legislators and state constitutional officers who are ineligible to receive pay increases during their term, FAE is the statutory rate of earnings at termination.

Maximum formula annuity is 85% of FAE for protective occupation participants not covered by Social Security, 65% of FAE for protectives covered by Social Security,

and 70% for all other participants. If greater than the formula amount, an annuity equal to the actuarial equivalent of two times the required accumulated contributions is paid in lieu of the formula amount.

Early Retirement: Any participant who has attained age 55 and any protective occupation participant who has attained age 50 may apply for an early retirement annuity. The benefit is reduced 0.4% for each month that the annuity effective date precedes the Normal Retirement Age. For non-protective participants terminating after June 30, 1990, the 0.4% is reduced for months after the attainment of age 57 and before the annuity effective date by .001111% for each month of creditable service.

Voluntary Termination Before Immediate Benefit Eligibility: A participant who terminates service before being eligible for a retirement annuity may either (1) receive a refund of accumulated contributions, or (2) leave contributions on deposit and apply for a retirement annuity on or after the minimum retirement age based upon age and accrued service at time of termination.

Post-Retirement Adjustments: Annuities are increased annually if the investment income credited to retired life funds is in excess of the assumed rate (presently 5%), other plan experiences are within projected ranges, and the resulting adjustment would be at least 0.5%. Previously granted adjustments can be revoked if the investment income is insufficient to support these previously granted increases. However, a Core Fund annuity cannot be reduced below the amount granted upon inception. Slightly different provisions apply to variable annuities.

Disability Annuity: Eligibility for disability under the Wisconsin Retirement System means, generally, total and permanent incapacity to engage in gainful employment. The participant must have completed at least six months of creditable service in each of at least five out of the last seven calendar years preceding application for disability. The service requirement is waived if the disability is from service-related causes.



Disability Amounts: Amounts payable in case of disability depend upon the plan from which payment is made. Plans are described below.

	Pre-10/16/92 WRS Plan	Post-10/15/92 Long-Term Disability Insurance (LTDI) Plan
Participants Covered	Participants hired before 10/16/92 who do not elect LTDI coverage.	Participants entering after 10/15/92 and participants on 10/15/92 who elect LTDI coverage.
Benefit to age 65*	WRS formula benefit based on service projected to normal retirement age.	40% of FAE for participants covered by Social Security; 50% of FAE for non-covered participants who cannot qualify for Social Security disability benefits.
Benefit at age 65*	Continuation of pre-65 amount.	WRS benefit accrued to date of disability plus 7% of FAE money purchase benefit during disability period, both of which are adjusted in accordance with the dividend rate.

*Conversion age is later for participants becoming disabled after age 61.

Death In Service: Prior to age 50 for protective participants and age 55 for others, the benefit is the equivalent of twice the accumulated employee required and all additional contributions and employer amounts contributed prior to 1974 for teachers or 1966 for others. After age 50 for protective occupation participants, and age 55 for others, the benefit is the amount that would have been paid if participant had retired and elected the 100% survivor option. The benefit is payable to a spouse, child, or other dependent.

Interest credits: Interest is credited on member Core Fund accounts based on the prior year ending account balance and the interest rates shown below.

Date of Participation	Rate Credited For Purpose of	
	Money Purchase Minimum	Refunds
Prior to 1982	Core Effective Rate	Core Effective Rate
January 1, 1982 and later and terminated prior to January 1, 2000	5%	3%
January 1, 1982 and later and not terminated prior to January 1, 2000	Core Effective Rate	Core Effective Rate

Interest is credited on member Variable Fund accounts based on the prior year ending account balance and the Variable effective rate.

Interest on both Core and Variable member additional deposit accounts is based on the prior year ending account balance and the appropriate effective rate.

Contribution Rates: The financial objective of the WRS is to establish and receive contributions that will remain level from year to year and decade to decade.

Effective June 28, 2011, the employee contribution for general category employees, teachers and executives and elected officials is equal to one-half the actuarially required contribution. The employee contribution for protective occupations is the same percentage as general employees. The employer is responsible for the remainder of the actuarially determined contribution. The employer may not pay any portion of the employee contribution unless provided for by a pre-existing collective bargaining agreement.

ACTUARIAL METHOD AND ASSUMPTIONS USED IN VALUATIONS

The principal areas of risk assumption are:

1. Long-term rates of investment income likely to be generated by the assets of the retirement fund. This includes both realized and unrealized appreciation and depreciation.
2. Rates of mortality among participants, retirees and beneficiaries.
3. Rates of withdrawal of active participants.
4. Rates of disability among participants.
5. Patterns of salary increases to be experienced by participants.
6. The age and service distribution of actual retirements.

In making a valuation, the actuary must project the monetary value of each risk assumption for each distinct experience group for the next year and for each year over the next half-century or longer.

Once actual risk experience has occurred and been observed, it will not coincide exactly with assumed risk experience regardless of the skill of the actuary, the completeness of the data, and the precision of the calculations. Each valuation provides a completed recalculation of assumed future risk experience and takes into account all past differences between assumed and actual risk experience. The result is a continual series of small adjustments to the computed contribution rate. From time to time it becomes necessary to adjust the package of risk measurements to reflect basic experience trends but not random year-to-year fluctuations.

The actuarial valuation method used in the valuation was the Frozen Initial Liability Actuarial Valuation Method. Under this method, the amount of remaining unfunded accrued actuarial liabilities at any valuation date are affected only by the monthly amortization payments, compound interest, the added liability created by new employer units, and any added liabilities caused by changes in benefit provisions.

Economic Assumptions

The **Investment Return Assumption** for plan assets is 7.2%.

For determining plan liabilities, the **Discount Rate** is 5.0% for retired participants, 5.0% for active and inactive participants following retirement, and 7.2% for active participants prior to their retirement. A valuation performed assuming 5.5% discount rate for all participants at all stages of life, reproduces the results of an actuarial valuation using the 5% post-retirement and 7.2% pre-retirement assumptions. Thus, it can be said that the net discount rate assumed in the valuations was 5.5% per year, compounded annually (net after administrative expenses).

The **Wage Inflation Rate** assumed in this valuation was 3.20% per year. The wage inflation rate is defined to be the portion of total pay increases for an individual that are due to macroeconomic forces, including productivity, price inflation, and labor market conditions. The wage inflation rate does not include pay changes related to individual merit and seniority effects.

No specific **Price Inflation** assumption is required to perform this valuation because there are no benefits that are linked to price increases. The price inflation assumption used to evaluate the investment return assumption is 2.7%

The assumed **Real Rate of Return** over wage inflation is defined to be the portion of total investment return that is more than the assumed total wage growth rate. Considering other economic assumptions, the 7.2% pre-retirement investment return rate translates to an assumed real rate of return over wage inflation of 4.0%. The assumed real rate of return over price inflation is 4.5% considering an inflation assumption of 2.7%.

Pay increase assumptions for individual active participants are shown for sample services below. Part of the assumption for each age is for merit and/or seniority increase, and the other 3.2% recognizes wage inflation, including price inflation, productivity increases, and other macroeconomic forces.

% Increases in Salaries Next Year (Merit and Longevity)

Service	General	University Teachers	Public School Teachers	Protective Occupation with SS	Protective Occupation without SS	Executive/Elected
1	3.5%	3.0%	5.6%	4.8%	5.5%	2.5%
2	3.5%	3.0%	5.6%	4.8%	5.5%	2.5%
3	3.1%	2.9%	5.2%	4.1%	4.7%	2.0%
4	2.8%	2.8%	4.7%	3.5%	3.8%	1.6%
5	2.5%	2.7%	4.3%	2.8%	3.0%	1.1%
10	1.5%	2.2%	2.6%	1.1%	0.9%	0.2%
15	1.1%	1.7%	1.4%	0.8%	0.5%	0.2%
20	0.9%	1.2%	0.6%	0.7%	0.4%	0.2%
25	0.6%	0.9%	0.3%	0.6%	0.3%	0.2%
30	0.4%	0.7%	0.2%	0.5%	0.2%	0.2%

In addition to the merit and longevity increase, each person is assumed to get an economic increase of 3.2% each year.

The active population is assumed to remain constant. The active payroll is assumed to grow 3.2% per year. This increasing payroll was recognized in amortizing unfunded actuarial accrued liabilities.

Decrement Probabilities

The mortality table used to measure mortality for participants was the Wisconsin Projected Experience Table for men and women. Sample retirement values from this table are shown at right. This assumption is used to measure the probabilities of participants dying before retirement and the probabilities of each benefit payment being made after retirement.

Single Life Retirement Values (Retired Participants)

Wisconsin Projected Experience Table With 5% Interest

Sample Attained (Years)	Present Value of \$1 Monthly for Life		Future Life Expectancy	
	Male	Female	Male	Female
40	\$212.18	\$217.30	44.6	47.9
45	203.58	209.85	39.6	42.8
50	192.84	200.64	34.6	37.8
55	179.99	189.45	29.8	32.9
60	165.62	176.13	25.3	28.1
65	148.39	159.99	20.8	23.5
70	128.80	140.83	16.6	19.0
75	107.08	119.17	12.8	14.8
80	84.34	95.93	9.3	11.0
85	63.12	72.84	6.5	7.8

The values shown above are for non-disabled participants. For disabled participants, the following table is used:



ACTUARIAL SECTION

Single Life Retirement Values (Disabled Participants)

Wisconsin Projected Experience Table With 5% Interest

Sample Attained (Years)	Present Value of \$1 Monthly for Life		Future Life Expectancy	
	Male	Female	Male	Female
Age				
40	\$198.68	\$207.47	37.2	41.4
45	186.71	197.67	32.2	36.4
50	172.91	185.79	27.5	31.6
55	156.89	171.64	22.9	26.8
60	138.23	154.74	18.6	22.2
65	117.74	134.96	14.6	17.8
70	95.51	112.80	11.0	13.7
75	73.23	89.31	7.8	10.0
80	53.78	66.82	5.4	7.0
85	38.08	48.76	3.6	4.8

The active participant mortality assumption is used to measure the probability of participants becoming deceased while in service.

Active Participant Mortality Rates

Sample Attained Age	Mortality Rates	
	Male	Female
20	0.000135	0.000078
25	0.000162	0.000086
30	0.000203	0.000117
35	0.000356	0.000210
40	0.000480	0.000297
45	0.000632	0.000462
50	0.000854	0.000685
55	0.001997	0.001219
60	0.002845	0.001750
65	0.004333	0.002664
70	0.007145	0.004516
75	0.012149	0.008194
80	0.022343	0.015345



ACTUARIAL SECTION

Rates of Retirement for Those Eligible to Retire—Early Retirement Pattern

% Retiring Next Year

Age	General		Public School		University		Exec. & Elected
	Male	Female	Male	Female	Male	Female	
55	9.0%	7.0%	13.0%	12.0%	4.0%	5.5%	3.0%
56	9.0	7.0	13.0	12.0	3.0	5.5	3.0
57	4.8	5.0	12.0	12.0	2.5	4.0	3.0
58	5.8	6.0	13.0	12.0	2.5	5.5	3.0
59	6.5	6.0	14.0	13.0	3.0	6.5	3.0
60	8.5	8.5	14.0	17.0	4.3	8.0	5.0
61	8.5	8.5	15.0	17.0	5.0	6.0	5.0
62	16.0	16.0	21.0	23.0	6.0	12.0	
63	17.0	16.0	21.0	23.0	7.0	12.0	
64	17.0	16.0	21.0	23.0	7.0	12.0	

The assumed rates of separation from employment prior to service retirement due to disability and other causes are shown below for sample ages. For other terminations, it was assumed that a percentage depending on age of participants terminating after age 35 with five or more years of service will leave their contributions on deposit and be paid a benefit at normal retirement age and that the remaining participants would take a separation benefit. The percentage taking a separation benefit is 25% at age 35, grading downward to 0% at retirement eligibility. All participants terminating prior to normal retirement age with less than five years of service were assumed to take a separation benefit.

Assumed Termination Rates
% of Active Participants Terminating

Age & Service	Protective		Public Schools		University		Exec. & Elected	Other	
	With S.S.	W/O S.S.	Male	Female	Male	Female		Male	Female
0	17.0%	4.0%	18.3%	16.0%	16.0%	16.0%	18.0%	16.8%	20.0%
1	8.0	3.5	11.0	10.8	14.0	15.0	14.0	12.7	14.1
2	5.0	1.5	7.8	7.7	12.0	13.0	12.0	9.0	11.0
3	4.3	1.3	5.9	5.8	10.0	10.0	10.0	7.3	8.9
4	3.8	1.2	4.9	5.0	8.5	9.9	10.0	7.0	8.5
5	3.1	1.1	3.6	4.3	8.0	8.4	8.0	4.8	6.7
6	3.0	1.0	3.2	3.8	7.5	6.4	7.0	4.3	5.6
7	2.9	0.9	2.6	3.4	5.7	5.7	6.0	4.2	5.0
8	2.5	0.8	2.6	2.8	4.6	4.7	6.0	3.4	4.7
9	2.2	0.7	2.4	2.5	4.0	4.2	6.0	3.1	4.5
25 10 & Over	2.0	0.7	1.3	2.2	4.0	5.0	6.0	2.5	4.5
30	1.8	0.7	1.3	1.9	3.9	4.6	5.1	2.5	4.3
35	1.6	0.7	1.3	1.6	3.6	4.2	4.3	2.4	3.5
40	1.3	0.6	1.3	1.3	3.1	3.4	4.1	2.1	2.7
45	1.1	0.6	1.3	1.1	2.3	2.6	3.2	1.8	2.2
50	1.0	0.5	1.3	1.0	1.9	2.1	2.5	1.5	1.9
55	1.0	0.5	1.3	1.0	1.8	2.0	2.4	1.5	1.8
60	1.0	0.5	1.3	1.0	1.8	2.0	2.4	1.5	1.8

Disability Rates
% of Active Participants Becoming Disabled

Age	Protective		Public Schools		University		Exec. & Elected		General	
	With S.S.	W/O S.S.	Male	Female	Male	Female	Male	Female	Male	Female
20	0.01%	0.04%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%	0.01%	0.01%
25	0.01	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
30	0.01	0.04	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02
35	0.02	0.04	0.01	0.01	0.00	0.02	0.01	0.01	0.01	0.03
40	0.02	0.06	0.01	0.02	0.01	0.03	0.01	0.01	0.03	0.04
45	0.03	0.11	0.03	0.05	0.01	0.03	0.01	0.01	0.06	0.06
50	0.06	0.64	0.08	0.10	0.02	0.06	0.02	0.02	0.13	0.09
55	0.87	0.48	0.16	0.14	0.05	0.09	0.09	0.09	0.24	0.16
60	1.46	0.14	0.26	0.21	0.07	0.13	0.11	0.11	0.43	0.23



ACTUARIAL SECTION

Summary of Member Valuation Data**General Participants & Teachers**

Valuation Date	Participating Employers	Active Participants	Annual Payroll (in millions \$)	Annual Average Pay	% Increase In Average Pay
12/31/07	1,404	237,124	10,277.9	43,344	3.4%
12/31/08	1,431	238,994	10,806.3	45,216	4.3%
12/31/09	1,438	240,401	11,098.1	46,165	2.1%
12/31/10	1,444	239,959	11,195.4	46,655	1.1%
12/31/11	1,450	232,518	10,947.0	47,080	0.9%
12/31/12	1,450	231,765	11,041.0	47,639	1.2%
12/31/13	1,450	231,973	11,270.0	48,584	2.0%
12/31/14	1,454	232,433	11,574.0	49,794	2.5%
12/31/15	1,457	232,646	12,016.6	51,652	3.7%
12/31/16	1,463	233,693	12,163.8	52,050	0.8%

Executive Group & Elected Officials

Valuation Date	Participating Employers	Active Participants	Annual Payroll (in millions \$)	Annual Average Pay	% Increase In Average Pay
12/31/07	270	1,427	94.6	66,320	2.9%
12/31/08	259	1,430	100.6	70,316	6.0%
12/31/09	258	1,427	101.0	70,786	0.7%
12/31/10	254	1,418	101.2	71,394	0.9%
12/31/11	257	1,393	98.6	70,802	-0.8%
12/31/12	249	1,408	104.1	73,968	4.5%
12/31/13	249	1,397	106.0	76,125	2.9%
12/31/14	251	1,401	109.0	77,998	2.5%
12/31/15	254	1,396	112.2	80,372	3.0%
12/31/16	252	1,369	111.3	81,300	1.2%

Protective with Social Security

Valuation Date	Participating Employers	Active Participants	Annual Payroll (in millions \$)	Annual Average Pay	% Increase In Average Pay
12/31/07	508	19,757	1,035.6	52,419	3.5%
12/31/08	509	20,038	1,099.3	54,859	4.7%
12/31/09	509	20,205	1,124.1	55,636	1.4%
12/31/10	510	20,019	1,124.7	56,184	1.0%
12/31/11	510	19,610	1,119.0	57,065	1.6%
12/31/12	508	19,353	1,105.1	57,104	0.1%
12/31/13	506	19,290	1,121.0	58,127	1.8%
12/31/14	502	19,533	1,151.0	58,916	1.4%
12/31/15	503	19,301	1,190.9	61,701	4.7%
12/31/16	503	19,468	1,217.4	62,533	1.3%

Protective Without Social Security

Valuation Date	Participating Employers	Active Participants	Annual Payroll (in millions \$)	Annual Average Pay	% Increase In Average Pay
12/31/07	55	2,695	173.7	64,449	3.7%
12/31/08	55	2,724	181.2	66,502	3.2%
12/31/09	57	2,733	189.0	69,149	4.0%
12/31/10	58	2,754	188.8	68,559	-0.9%
12/31/11	57	2,711	189.5	69,898	2.0%
12/31/12	57	2,727	193.5	70,949	1.5%
12/31/13	58	2,736	197.0	71,960	1.4%
12/31/14	58	2,733	204.0	74,487	3.5%
12/31/15	57	2,734	210.3	76,920	3.3%
12/31/16	56	2,755	213.2	77,387	0.6%

All Participants

Valuation Date	Participating Employers	Active Participants	Annual Payroll (in millions \$)	Annual Average Pay	% Increase In Average Pay
12/31/07	1,438	261,003	11,581.8	44,374	3.4%
12/31/08	1,462	263,186	12,187.4	46,307	4.4%
12/31/09	1,469	264,766	12,512.2	47,258	2.1%
12/31/10	1,474	264,150	12,610.1	47,738	1.0%
12/31/11	1,480	256,232	12,354.1	48,215	1.0%
12/31/12	1,478	255,253	12,443.7	48,750	1.1%
12/31/13	1,479	255,396	12,694.0	49,703	2.0%
12/31/14	1,482	256,100	13,038.0	50,910	2.4%
12/31/15	1,487	256,077	13,530.0	52,836	3.8%
12/31/16	1,495	257,285	13,705.7	53,270	0.8%



ACTUARIAL SECTION

Summary of Accrued and Unfunded Accrued Liabilities

(\$ In Millions)

Valuation Year	Aggregate Accrued Liabilities	Valuation Assets	Assets as a % of Accrued Liabilities	Unfunded Accrued Liabilities	Annual Active Member Payroll	UAL as a % of Annual Active Member Payroll
2007	80,079.7	79,791.9	99.6%	287.8	11,720.2	2.5%
2008	77,412.0	77,159.4	99.7%	252.6	12,289.6	2.1%
2009	79,104.6	78,911.3	99.8%	193.3	12,622.2	1.5%
2010	80,758.8	80,626.9	99.8%	131.9	12,744.0	1.0%
2011	79,039.3	78,940.0	99.9%	99.3	12,855.6	0.8%
2012	78,682.7	78,613.0	99.9%	69.7	12,627.6	0.6%
2013	85,328.7	85,276.1	99.9%	52.6	12,884.8	0.4%
2014	89,392.1	89,360.4	100.0%	31.7	13,219.5	0.2%
2015	91,526.5	91,502.4	100.0%	24.1	13,530.5	0.2%
2016	95,414.0	95,396.2	100.0%	17.8	13,706.0	0.1%

Solvency Test

(\$ In Millions)

Valuation Year	Valuation Assets	Accrued Liability For				Percent Funded			
		Annuitants and Beneficiaries	Active Member Contrib.	Employer's Contrib.	Total	Annuitants and Beneficiaries	Active Member Contrib.	Employer's Contrib.	Total
2007	79,791.9	39,675.1	16,795.4	23,609.2	80,079.7	100.0%	100.0%	98.8%	99.6%
2008	77,159.4	38,372.6	16,045.3	22,994.1	77,412.0	100.0%	100.0%	98.9%	99.7%
2009	78,911.3	39,734.2	16,156.6	23,213.8	79,104.6	100.0%	100.0%	99.2%	99.8%
2010	80,626.9	41,139.0	16,253.6	23,366.2	80,758.8	100.0%	100.0%	99.4%	99.8%
2011	78,940.0	41,135.3	14,434.4	20,995.5	79,039.3	100.0%	100.0%	111.3%	99.9%
2012	78,613.0	44,055.5	14,401.1	20,226.1	78,682.7	100.0%	100.0%	99.7%	99.9%
2013	85,276.1	48,460.5	15,559.2	21,309.0	85,328.7	100.0%	100.0%	99.8%	99.9%
2014	89,360.4	51,131.1	16,259.3	22,001.7	89,392.1	100.0%	100.0%	99.9%	100.0%
2015	91,502.4	52,851.8	16,707.2	21,967.5	91,526.5	100.0%	100.0%	99.9%	100.0%
2016	95,396.2	55,764.0	17,361.7	22,288.3	95,414.0	100.0%	100.0%	99.9%	100.0%

Wisconsin Retirement System Contribution Rates

Notes To Contribution Rate Schedule

1. Prior to June 28, 2011 the employee contribution rate was set by Wis Stats. 40.05 (1) and part or all the required employee contributions could be paid by the employer on behalf of the employee. Effective June 28, 2011 the employee contribution rate for general and executive/elected category employees is equal to the general category rate. Employers may not pay the employee contribution on their behalf unless provided for by an existing collective bargaining agreement.

2. The unfunded liability was recalculated in 1990 to reflect benefit improvements and is being amortized on a level percentage of salary basis over a period of 40 years beginning January 1, 1990, for the employers in the WRS prior to 2009, or on the effective date of the employer's participation, whichever is later. Liabilities for employers joining the WRS beginning in 2009 are amortized over 30 years. Prior service rates vary by employers. The percentage reported represents a weighted average.

General Participants & Teachers

	Current Cost	Prior Cost	Employer Total	Employee	BAC	Total
2007	4.6%	0.2%	4.8%	5.0%	1.0%	10.8%
2008	4.6%	0.2%	4.8%	5.0%	1.0%	10.8%
2009	4.5%	0.2%	4.7%	5.0%	0.9%	10.6%
2010	4.8%	0.2%	5.0%	5.0%	1.2%	11.2%
2011	5.1%	0.1%	5.2%	5.0%	1.5%	11.7%
2011*	5.8%	0.1%	5.9%	5.8%	0.0%	11.7%
2012	5.9%	0.1%	6.0%	5.9%	0.0%	11.9%
2013	6.65%	0.1%	6.75%	6.65%	0.0%	13.4%
2014	7.0%	0.0%	7.0%	7.0%	0.0%	14.0%
2015	6.8%	0.0%	6.8%	6.8%	0.0%	13.6%
2016	6.6%	0.0%	6.6%	6.6%	0.0%	13.2%

Executive Group and Elected Officials

	Current Cost	Prior Cost	Employer Total	Employee	BAC	Total
2007	8.5%	0.1%	8.6%	3.0%	0.0%	11.6%
2008	8.5%	0.1%	8.6%	3.0%	0.0%	11.6%
2009	8.5%	0.0%	8.5%	3.0%	0.0%	11.5%
2010	8.7%	0.0%	8.7%	3.2%	0.0%	11.9%
2011	9.4%	0.0%	9.4%	3.9%	0.0%	13.3%
2011*	6.65%	0.0%	6.65%	6.65%	0.0%	13.3%
2012	7.05%	0.0%	7.05%	7.05%	0.0%	14.1%
2013	7.0%	0.0%	7.0%	7.0%	0.0%	14.0%
2014	7.75%	0.0%	7.75%	7.75%	0.0%	15.5%
2015	7.7%	0.0%	7.7%	7.7%	0.0%	15.4%
2016	6.6%	0.0%	6.6%	6.6%	0.0%	13.2%

* 2011 WI Act 10 adjusted employee and employer contribution rates effective June 28, 2011



ACTUARIAL SECTION

Wisconsin Retirement System Contribution Rates

Protective with Social Security

	Current Cost	Prior Cost	Duty Disability	Employer Total	Employee	BAC	Total
2007	8.2%	0.1%	3.9%	12.2%	5.1%	0.0%	17.3%
2008	8.2%	0.1%	3.9%	12.2%	5.1%	0.0%	17.3%
2009	8.1%	0.1%	3.9%	12.1%	5.0%	0.0%	17.1%
2010	8.6%	0.0%	3.9%	12.5%	5.5%	0.0%	18.0%
2011	8.9%	0.0%	4.0%	12.9%	5.8%	0.0%	18.7%
2011*	8.9%	0.0%	4.0%	12.9%	5.8%	0.0%	18.7%
2012	9.0%	0.0%	4.0%	13.0%	5.9%	0.0%	18.9%
2013	9.75%	0.0%	4.1%	13.9%	6.65%	0.0%	20.5%
2014	10.1%	0.0%	0.7%	10.8%	7.0%	0.0%	17.8%
2015	9.5%	0.0%	0.6%	10.1%	6.8%	0.0%	16.9%
2016	9.4%	0.0%	0.3%	9.7%	6.6%	0.0%	16.3%

Protective without Social Security

	Current Cost	Prior Cost	Duty Disability	Employer Total	Employee	BAC	Total
2007	10.8%	0.4%	3.9%	15.1%	3.4%	0.0%	18.5%
2008	10.8%	0.4%	3.9%	15.1%	3.4%	0.0%	18.5%
2009	10.6%	0.3%	3.9%	14.8%	3.2%	0.0%	18.0%
2010	11.3%	0.3%	3.9%	15.5%	3.9%	0.0%	19.4%
2011	12.2%	0.3%	4.0%	16.5%	4.8%	0.0%	21.3%
2011*	11.2%	0.3%	4.0%	15.5%	5.8%	0.0%	21.3%
2012	11.3%	0.3%	4.0%	15.6%	5.9%	0.0%	21.5%
2013	12.35%	0.3%	4.1%	16.75%	6.65%	0.0%	23.4%
2014	13.7%	0.3%	0.7%	14.7%	7.0%	0.0%	21.7%
2015	13.1%	0.3%	0.6%	14.0%	6.8%	0.0%	20.8%
2016	13.2%	0.2%	0.3%	13.7%	6.6%	0.0%	20.3%

* 2011 WI Act 10 adjusted employee and employer contribution rates effective June 28, 2011

Analysis of Actuarial Experience

Gains and Losses in Accrued Liabilities During 2016 Resulting from Differences Between Assumed Experience & Actual Experience

(\$ In Millions)

Type of Activity	General	Executive & Elected	Protective Occupation With Social Security	Protective Occupation Without Social Security	Total
Normal Retirement If members retire at older ages or with lower final average pay than assumed, there is a gain. If younger ages or higher pay, there is a loss.	\$ (14.3)	\$ (0.7)	\$ (17.1)	\$ (1.0)	\$ (33.1)
Early Retirement If fewer members choose early retirement than assumed, there is a loss. If more early retirements, there is a gain.	(18.3)	0.2	(0.3)	(0.1)	(18.5)
Death with Benefit If survivor claims are less than assumed, there is a gain. If more claims, there is a loss.	(0.5)	0.0	0.4	(0.1)	(0.2)
Disability Retirement If disability claims are less than assumed, there is a gain. If more claims, a loss.	15.3	0.1	1.2	0.6	17.2
Other Separations If more liabilities are released by separations than assumed, there is a gain. If smaller releases, a loss.	18.7	(1.2)	3.6	(1.1)	20.0
Salary Increases If there are smaller pay increases than assumed, there is a gain. If greater increases, a loss.	268.1	14.0	8.5	7.6	298.2
Investment Return If there is greater investment income than assumed, there is a gain. If less income, a loss.	112.8	0.7	19.0	5.6	138.1
Other	(40.9)	1.5	17.8	2.0	(19.6)
Total Gain (Loss)	\$ 340.9	\$ 14.6	\$ 33.1	13.5	\$ 402.1
% of accrued liability	1.0%	6.6%	0.8%	1.4%	1.0%

ACTUARIAL SECTION

Wisconsin Retirement System

Changes in Number of Annuities

Year	Annuity Type	Beginning	Additions	Deletions	Ending
2016	Retirement	184,180	9,866	3,935	190,111
	Disability	6,305	98	205	6,198
	Beneficiary	1,310	62	34	1,338
	Total	<u>191,795</u>	<u>10,026</u>	<u>4,174</u>	<u>197,647</u>
2015	Retirement	177,959	9,881	3,660	184,180
	Disability	6,363	124	182	6,305
	Beneficiary	1,283	57	30	1,310
	Total	<u>185,605</u>	<u>10,062</u>	<u>3,872</u>	<u>191,795</u>
2014	Retirement	172,430	9,080	3,551	177,959
	Disability	6,393	125	155	6,363
	Beneficiary	1,233	69	19	1,283
	Total	<u>180,056</u>	<u>9,274</u>	<u>3,725</u>	<u>185,605</u>
2013	Retirement	165,966	9,889	3,425	172,430
	Disability	6,473	146	226	6,393
	Beneficiary	1,216	70	53	1,233
	Total	<u>173,655</u>	<u>10,105</u>	<u>3,704</u>	<u>180,056</u>
2012	Retirement	160,044	9,322	3,400	165,966
	Disability	6,201	183	(89)	6,473
	Beneficiary	1,208	67	59	1,216
	Total	<u>167,453</u>	<u>9,572</u>	<u>3,370</u>	<u>173,655</u>
2011	Retirement	148,380	15,096	3,432	160,044
	Disability	6,194	196	189	6,201
	Beneficiary	1,201	60	53	1,208
	Total	<u>155,775</u>	<u>15,352</u>	<u>3,674</u>	<u>167,453</u>
2010	Retirement	143,261	8,330	3,211	148,380
	Disability	6,224	159	189	6,194
	Beneficiary	1,186	69	54	1,201
	Total	<u>150,671</u>	<u>8,558</u>	<u>3,454</u>	<u>155,775</u>
2009	Retirement	136,502	7,779	1,020	143,261
	Disability	6,397	156	329	6,224
	Beneficiary	1,134	73	21	1,186
	Total	<u>144,033</u>	<u>8,008</u>	<u>1,370</u>	<u>150,671</u>
2008	Retirement	135,026	8,165	6,689	136,502
	Disability	6,558	174	335	6,397
	Beneficiary	1,322	61	249	1,134
	Total	<u>142,906</u>	<u>8,400</u>	<u>7,273</u>	<u>144,033</u>
2007	Retirement	129,289	8,186	2,449	135,026
	Disability	6,505	157	104	6,558
	Beneficiary	1,323	47	48	1,322
	Total	<u>137,117</u>	<u>8,390</u>	<u>2,601</u>	<u>142,906</u>



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INVESTMENT SECTION

State of Wisconsin
Department of Employee Trust Funds



INVESTMENTS

The State of Wisconsin Investment Board (SWIB) is the state agency that invests the assets of the Wisconsin Retirement System (WRS) and other trust funds established by the State of Wisconsin. The WRS Trust Funds make up about 93% of the assets managed by SWIB. The effect of investment returns on WRS participants, determined by the Department of Employee Trust Funds, is based on the rate of return as of December 31, 2016.

SWIB publishes an annual report and a schedule of investments that includes all investment holdings as of the end of the calendar year. To view these publications online, go to <http://www.swib.state.wi.us> or call (608) 266-3281 to request paper copies.

Board of Trustees

SWIB is directed by an independent Board of Trustees and staffed with professional money managers and support personnel. The SWIB Board of Trustees consists of nine members meeting specific membership requirements, as directed by Wis. Stat. § 15.76. The Board of Trustees appoints the SWIB executive director. The executive director oversees the staff, develops and recommends agency and investment policies for board adoption, and ensures adherence to state and federal law and policies. Trustee responsibilities include establishing asset allocation, investment guidelines, and performance benchmarks.

Membership on the Board of Trustees as of December 31, 2016, is as follows:

1. Six public members appointed by the governor, four of whom must have at least 10 years investment experience and one of whom must have at least 10 years of financial experience and be employed by a local government active in the Local Government Investment Pool, a fund managed by SWIB.

Chair: David Stein (Public Member)
Executive Vice President and Head of Consumer & Business Banking, Associated Banc-Corp, Madison

Vice Chair: Norman Cummings

(Local Government Member) Waukesha County Director of Administration, Waukesha

Mark Doll, Retired Executive Vice President and Chief Investment Officer, Northwestern Mutual Life Insurance Co., Milwaukee

Barbara Nick, President and Chief Executive Officer, Dairyland Power Cooperative, La Crosse

Tim Sheehy, President and Chief Executive Officer, Dairyland Power Cooperative, La Crosse

Paul Stewart, Co-Founder, PS Capital Partners, Milwaukee

2. Two participants in the WRS, one must be a teacher member appointed by the Teachers Retirement Board; the other must be a non-teacher participant appointed by the Wisconsin Retirement Board.

Sandra Clafin-Chalton (WRS participant, Teachers Retirement Board appointee)
Senior Lecturer-Economics, University of Wisconsin-Stout, Department of Social Science

Robert J. Conlin (WRS participant, Wisconsin Retirement Board appointee)
Secretary, Department of Employee Trust Funds

3. The Secretary of the Wisconsin Department of Administration (DOA) or designee.

Scott Neitzel, Secretary, DOA

CONTRIBUTIONS PAID AND EMPLOYER UNFUNDED LIABILITY BALANCES

State of Wisconsin
Department of Employee Trust Funds





CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
State Agencies					
ADMINISTRATION, DEPT OF	64,518,969	5,116,341	4,258,271	9,374,613	0
AGRIC TRADE CONS PROT, DEPT OF	32,593,206	2,542,258	2,151,163	4,693,422	0
BD FOR PEOPLE WITH DEVELOP DIS	512,240	39,955	33,808	73,763	0
BOARD AGING & LONG TERM CARE	1,599,690	124,775	105,580	230,355	0
BRD OF COMMSRS OF PUBLIC LANDS	711,477	55,495	46,958	102,453	0
CHILDREN & FAMILIES, DEPT OF	41,190,481	3,212,841	2,718,588	5,931,429	0
CORRECTIONS, DEPT. OF	493,129,326	47,411,101	32,546,678	79,957,779	0
COURTS - STATE	72,145,894	5,627,368	4,761,641	10,389,009	0
DISTRICT ATTORNEYS	31,562,192	2,461,844	2,083,111	4,544,956	0
EDUCATIONAL COMMUNICATIONS BD	2,563,329	199,939	199,939	369,119	0
ELECTIONS COMMISSION	581,801	45,380	38,399	83,779	0
EMPLOYEE TRUST FUNDS, DEPT OF	16,342,269	1,274,691	1,078,595	2,353,287	0
EMPLOYMENT RELATIONS COMM	762,735	59,493	50,341	109,834	0
ETHICS COMMISSION	144,653	11,283	9,547	20,830	0
EXECUTIVE OFFICE	1,952,008	152,255	128,834	281,089	0
FINANCIAL INSTITUTIONS, DEPT	8,389,401	654,370	553,704	1,208,074	0
GOVERNMENT ACCOUNTABILITY BD	1,028,998	80,261	67,914	148,176	0
HEALTH SERVICES, DEPT OF	307,853,683	25,427,221	20,318,423	45,745,644	0
HIGHER EDUCATIONAL AIDS BOARD	468,181	36,518	30,900	67,418	0
HISTORICAL SOCIETY - STATE	9,026,072	704,029	595,725	1,299,754	0
INSURANCE COMMISSIONR'S OFFICE	9,379,299	731,583	619,036	1,350,619	0
INVESTMENT BOARD	27,522,667	2,146,764	1,816,500	3,963,264	0
JUDICIAL COMMISSION	120,290	9,383	7,939	17,322	0
JUDICIAL COUNCIL	59,550	4,645	3,930	8,575	0
JUSTICE, DEPT OF	43,695,711	3,661,669	2,883,927	6,545,596	0
KICKAPOO RESERVE MANGMT BD	223,617	17,442	14,759	32,201	0
LABOR & INDUSTRY REVIEW COMM	1,711,603	133,504	112,966	246,471	0
LEGIS ASSEMBLY - CHIEF CLERK	14,512,228	1,131,951	957,809	2,089,761	0
LEGISLATIVE AUDIT BUREAU	5,120,662	399,409	337,966	737,375	0
LEGISLATIVE COUNCIL STAFF	2,072,853	161,682	136,809	298,491	0
LEGISLATIVE FISCAL BUREAU	2,484,019	193,753	163,946	357,699	0
LEGISLATIVE REFERENCE BUREAU	3,143,361	245,182	207,462	452,644	0
LEGISLATIVE TECH SERV BUREAU	2,602,719	203,012	171,780	374,792	0
LEGISLATURE - SENATE	10,046,382	783,617	663,062	1,446,679	0
LIEUTENANT GOVERNOR'S OFFICE	208,546	16,266	13,764	30,031	0
LOWER WIS. STATE RIVERWAY BD.	121,356	9,466	8,010	17,475	0
MILITARY AFFAIRS, DEPT OF	21,930,985	1,891,606	1,447,451	3,339,058	0
NATURAL RESOURCES, DEPT OF	141,485,077	11,899,437	9,338,068	21,237,505	0
PUBLIC DEFENDER'S OFFICE	35,059,966	2,734,667	2,313,968	5,048,635	0
PUBLIC INSTRUCTION, DEPT OF	36,495,967	2,846,671	2,408,749	5,255,419	0
PUBLIC SERVICE COMMISSION	9,093,717	709,306	600,189	1,309,495	0
REVENUE, DEPT OF	65,726,938	5,145,028	4,338,001	9,483,029	0
SAFETY & PROFESS SVCS, DEPT	12,391,865	966,561	817,868	1,784,429	0
SECRETARY OF STATE'S OFFICE	134,250	10,471	8,861	19,332	0
STATE FAIR PARK BOARD	3,791,826	298,457	250,262	548,719	0
TOURISM, DEPARTMENT OF	1,508,791	117,685	99,581	217,266	0
TRANSPORTATION, DEPT OF	201,610,447	16,728,025	13,306,343	30,034,368	0
TREASURER'S OFFICE - STATE	69,670	5,434	4,598	10,032	0
VETERANS AFFAIRS, DEPT OF	57,771,468	4,516,934	3,812,932	8,329,865	0
WIS TECH COLLEGE SYS BOARD	4,100,484	319,837	270,633	590,470	0
WISCONSIN ECON DEVELOP CORP	7,291,932	481,265	481,270	962,535	0
WORKFORCE DEVELOPMENT, DEPT OF	76,493,372	5,966,448	5,048,598	11,015,046	0
Total State Agencies (52)	1,885,058,221	159,724,579	124,414,400	284,138,979	0
UNIVERSITY OF WISCONSIN SYSTEM	1,929,105,545	150,865,367	127,321,307	278,186,675	0
Public Authorities					
FOX RIVER NAVIGATION SYS AUTH	143,287	11,176	9,457	20,633	0
Health & Educ Facilities Auth	321,576	32,479	21,224	53,703	0
HOUSING & ECON DEVELOP AUTH	10,123,933	789,663	668,184	1,457,846	0
UW HOSPITAL AUTHORITY	533,770,071	41,633,975	35,228,915	76,862,890	0
WISCRAFT INC - ENT FOR BLIND	2,135,394	217,810	140,936.69	358,746	568,040
Total Public Authorities (5)	546,494,260	42,685,103	36,068,716	78,753,819	568,040
Total State of Wisconsin (58)	4,360,658,027	353,275,050	287,804,423	641,079,473	568,040



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
Cities					
ABBOTSFORD, CITY OF	464,037	30,625	30,627	61,253	0
ADAMS, CITY OF	611,963	52,301	40,390	92,691	76,479
ALGOMA, CITY OF	3,369,308	229,222	222,376	451,597	0
ALMA, CITY OF	325,743	23,821	21,499	45,321	40,545
ALTOONA, CITY OF	2,122,738	165,528	140,101	305,629	0
AMERY, CITY OF	1,368,589	105,804	90,327	196,132	1,607
ANTIGO, CITY OF	4,287,931	383,089	283,005	666,094	0
APPLETON, CITY OF	41,016,384	3,479,845	2,707,091	6,186,936	0
ARCADIA, CITY OF	236,419	22,436	15,604	38,040	0
ASHLAND, CITY OF	5,287,897	479,733	349,001	828,734	0
AUGUSTA, CITY OF	582,786	44,101	38,464	82,565	0
BARABOO, CITY OF	5,490,903	417,913	362,400	780,313	0
BARRON, CITY OF	1,598,488	115,486	105,500	220,986	0
BAYFIELD, CITY OF	600,720	43,922	39,648	83,570	0
BEAVER DAM, CITY OF	6,969,264	718,160	459,974	1,178,134	2,362,928
BELOIT, CITY OF	22,913,355	2,050,528	1,512,288	3,562,815	0
BERLIN, CITY OF	2,224,426	169,994	146,813	316,807	0
BLACK RIVER FALLS, CITY OF	2,535,421	186,939	167,339	354,278	0
BLAIR, CITY OF	355,425	26,379	23,458	49,838	0
BLOOMER, CITY OF	378,172	35,888	24,959	60,848	0
BOSCOBEL, CITY OF	1,442,102	105,009	95,180	200,188	0
BRILLION, CITY OF	1,019,953	82,346	67,317	149,663	0
BRODHEAD, CITY OF	1,484,758	111,904	97,995	209,898	0
BROOKFIELD, CITY OF	23,483,685	2,098,433	1,549,930	3,648,363	0
BUFFALO CITY, CITY OF	54,751	3,614	3,614	7,227	0
BURLINGTON, CITY OF	4,325,346	345,442	285,474	630,916	0
CEDARBURG, CITY OF	6,246,295	462,043	412,257	874,300	0
CHETEK, CITY OF	284,301	26,980	18,764	45,744	0
CHILTON, CITY OF	1,116,942	84,856	73,718	158,575	0
CHIPPEWA FALLS, CITY OF	6,469,702	582,946	427,003	1,009,948	0
CLINTONVILLE, CITY OF	2,550,717	189,328	168,349	357,676	0
COLBY, CITY OF	380,360	25,104	25,104	50,208	0
COLUMBUS, CITY OF	2,478,792	179,213	163,600	342,813	0
CORNELL, CITY OF	596,364	42,626	39,360	81,986	0
CRANDON, CITY OF	665,780	48,464	43,942	92,405	0
CUBA CITY, CITY OF	680,261	49,606	44,897	94,504	0
CUDAHY, CITY OF	8,548,445	778,422	564,199	1,342,621	0
CUMBERLAND, CITY OF	887,282	66,680	58,561	125,241	0
DARLINGTON, CITY OF	951,914	70,690	62,827	133,517	0
DE PERE, CITY OF	9,577,125	867,290	632,093	1,499,383	0
DELAFIELD, CITY OF	2,571,977	202,933	169,752	372,685	0
DELAVAN, CITY OF	3,500,586	273,019	231,040	504,059	0
DODGEVILLE, CITY OF	1,597,156	120,944	105,413	226,358	0
DURAND, CITY OF	615,606	45,330	40,630	85,960	0
EAGLE RIVER, CITY OF	1,536,020	112,215	101,378	213,593	0
EAU CLAIRE, CITY OF	33,071,457	2,867,424	2,182,722	5,050,147	0
EDGERTON, CITY OF	1,682,961	128,783	111,076	239,859	0
ELKHORN, CITY OF	3,727,665	281,620	246,027	527,647	0
ELROY, CITY OF	740,580	52,860	48,878	101,739	0
EVANSVILLE, CITY OF	2,145,280	159,994	141,589	301,583	0
FENNIMORE, CITY OF	1,261,350	91,365	83,249	174,614	0
FITCHBURG, CITY OF	10,840,606	866,359	715,484	1,581,843	0
FOND DU LAC, CITY OF	21,155,154	1,938,921	1,396,243	3,335,164	0
FORT ATKINSON, CITY OF	4,580,496	355,991	302,315	658,306	0
FOUNTAIN CITY, CITY OF	164,033	11,183	10,826	22,010	0
FOX LAKE, CITY OF	442,630	31,439	29,214	60,653	(429)
FRANKLIN, CITY OF	8,682,689	869,137	573,058	1,442,195	0
GALESVILLE, CITY OF	483,133	36,995	31,887	68,883	0
GILLET, CITY OF	454,300	34,970	29,984	64,954	0
GLENDALE, CITY OF	5,135,855	476,408	338,968	815,376	0
GLENWOOD, CITY OF	77,606	7,365	5,122	12,487	0
GREEN BAY, CITY OF	58,879,218	5,357,916	3,886,045	9,243,961	0
GREEN LAKE, CITY OF	635,850	47,699	41,966	89,666	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions			Total	Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid		
GREENFIELD, CITY OF	15,551,764	1,314,408	1,026,420	2,340,827	0
GREENWOOD, CITY OF	491,674	36,675	32,451	69,126	0
HARTFORD, CITY OF	6,955,517	514,261	459,065	973,326	0
HAYWARD, CITY OF	779,688	62,232	51,460	113,692	0
HILLSBORO, CITY OF	559,826	40,596	36,949	77,545	0
HORICON, CITY OF	1,354,103	102,784	89,371	192,155	0
HUDSON, CITY OF	5,274,504	400,354	348,119	748,473	0
HURLEY, CITY OF	969,277	74,577	63,973	138,549	0
INDEPENDENCE, CITY OF	411,024	32,898	27,128	60,025	15,286
JANESVILLE, CITY OF	31,418,359	2,814,051	2,073,617	4,887,668	0
JEFFERSON, CITY OF	3,857,995	280,413	254,630	535,043	0
JUNEAU, CITY OF	1,095,997	78,671	72,336	151,007	0
KAUKAUNA, CITY OF	11,279,812	893,102	744,471	1,637,573	0
KENOSHA, CITY OF	52,862,719	4,821,715	3,488,957	8,310,671	0
KEWAUNEE, CITY OF	954,489	73,203	62,997	136,200	0
KIEL, CITY OF	1,751,958	130,706	115,630	246,336	0
LA CROSSE, CITY OF	31,820,938	2,758,621	2,100,183	4,858,803	0
LADYSMITH, CITY OF	1,689,492	125,847	111,507	237,354	0
LAKE GENEVA, CITY OF	4,754,696	369,143	313,811	682,954	0
LAKE MILLS, CITY OF	3,041,906	281,331	200,766	482,097	18,453
LANCASTER, CITY OF	1,375,602	101,855	90,790	192,645	0
LODI, CITY OF	1,441,021	102,928	95,108	198,035	0
LOYAL, CITY OF	365,102	29,529	24,097	53,626	11,945
MADISON, CITY OF	193,230,150	16,136,404	12,753,222	28,889,626	0
MANAWA, CITY OF	543,063	46,932	35,843	82,774	95,371
MANITOWOC, CITY OF	21,019,901	1,770,260	1,387,317	3,157,577	0
MARINETTE, CITY OF	5,452,525	478,271	359,868	838,139	0
MARION, CITY OF	155,076	15,337	10,235	25,572	5,850
MARKESAN, CITY OF	446,717	37,609	29,484	67,093	43,259
MARSHFIELD, CITY OF	11,144,170	985,202	735,518	1,720,719	0
MAUSTON, CITY OF	1,566,993	117,003	103,422	220,425	0
MAYVILLE, CITY OF	1,804,077	134,521	119,070	253,591	0
MEDFORD, CITY OF	2,122,925	156,273	140,114	296,387	0
MELLEN, CITY OF	322,646	23,536	21,295	44,831	0
MENASHA, CITY OF	9,005,380	834,178	594,357	1,428,535	0
MENOMONIE, CITY OF	7,299,792	694,024	481,788	1,175,812	0
MEQUON, CITY OF	7,966,468	640,224	525,789	1,166,013	0
MERRILL, CITY OF	6,647,432	592,852	438,732	1,031,584	0
MIDDLETON, CITY OF	9,768,789	756,876	644,743	1,401,619	0
MILTON, CITY OF	2,144,470	162,909	141,536	304,445	0
MINERAL POINT, CITY OF	702,679	55,069	46,377	101,447	4,539
MONDOVI, CITY OF	791,238	58,719	52,222	110,941	0
MONONA, CITY OF	4,282,070	345,957	282,617	628,575	0
MONROE, CITY OF	5,042,970	384,410	332,840	717,250	0
MONTELLO, CITY OF	383,883	31,489	25,336	56,826	49,401
MONTREAL, CITY OF	150,132	9,909	9,909	19,817	0
MOSINEE, CITY OF	1,097,770	86,434	72,453	158,887	0
MUSKEGO, CITY OF	7,115,805	562,317	469,646	1,031,963	0
NEENAH, CITY OF	13,689,999	1,215,254	903,543	2,118,797	0
NEILLSVILLE, CITY OF	998,467	75,766	65,899	141,665	0
NEKOOSA, CITY OF	1,369,130	101,950	90,363	192,313	0
NEW BERLIN, CITY OF	15,709,595	1,306,037	1,036,840	2,342,877	0
NEW HOLSTEIN, CITY OF	1,894,570	137,100	125,042	262,142	0
NEW LISBON, CITY OF	811,631	59,500	53,568	113,068	0
NEW LONDON, CITY OF	4,355,589	322,580	287,470	610,051	0
NEW RICHMOND, CITY OF	4,408,090	360,801	290,935	651,737	126,732
NIAGARA, CITY OF	697,799	52,693	46,055	98,748	0
OAK CREEK, CITY OF	18,758,850	1,551,462	1,238,090	2,789,552	0
OCONOMOWOC, CITY OF	8,032,246	601,645	530,131	1,131,776	0
OCONTO FALLS, CITY OF	1,449,115	105,372	95,642	201,014	0
OCONTO, CITY OF	2,185,657	196,880	144,254	341,134	0
OMRO, CITY OF	1,161,798	88,073	76,679	164,753	0
ONALASKA, CITY OF	5,116,725	431,277	337,705	768,982	0
OSHKOSH, CITY OF	35,129,816	3,088,077	2,318,581	5,406,658	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
OSSEO, CITY OF	624,297	47,313	41,204	88,517	0
OWEN, CITY OF	443,971	33,627	29,302	62,929	0
PARK FALLS, CITY OF	1,265,816	94,505	83,545	178,050	0
PESHTIGO, CITY OF	332,845	31,587	21,968	53,555	0
PHILLIPS, CITY OF	798,618	72,926	52,709	125,636	32,730
PITTSVILLE, CITY OF	77,322	7,338	5,103	12,441	0
PLATTEVILLE, CITY OF	4,094,108	301,723	270,212	571,936	0
PLYMOUTH, CITY OF	3,910,997	289,485	258,126	547,611	0
PORT WASHINGTON, CITY OF	4,932,900	377,181	325,573	702,754	0
PORTAGE, CITY OF	4,267,076	351,771	281,628	633,400	0
PRAIRIE DU CHIEN, CITY OF	1,965,070	151,774	129,695	281,469	0
PRESCOTT, CITY OF	1,391,666	108,003	91,851	199,853	0
PRINCETON, CITY OF	517,112	39,236	34,130	73,365	0
RACINE, CITY OF	49,260,898	4,491,051	3,251,245	7,742,296	0
REEDSBURG, CITY OF	4,959,220	361,343	327,309	688,652	0
RHINELANDER, CITY OF	5,983,218	530,848	394,893	925,741	0
RICE LAKE, CITY OF	5,170,962	438,327	341,284	779,611	0
RICHLAND CENTER, CITY OF	2,617,439	191,911	172,752	364,663	0
RIPON, CITY OF	2,846,351	212,310	187,860	400,170	0
RIVER FALLS, CITY OF	6,946,650	505,174	458,481	963,656	0
SCHOFIELD, CITY OF	375,955	24,813	24,813	49,626	0
SEYMOUR, CITY OF	1,081,414	79,618	71,374	150,992	0
SHAWANO, CITY OF	3,223,813	252,219	212,773	464,991	0
SHEBOYGAN FALLS, CITY OF	2,528,429	194,644	166,877	361,521	0
SHEBOYGAN, CITY OF	26,121,771	2,245,514	1,724,043	3,969,557	0
SHELL LAKE, CITY OF	494,406	36,827	32,631	69,458	0
SHULLSBURG, CITY OF	394,935	27,742	26,066	53,808	0
SOUTH MILWAUKEE, CITY OF	9,722,475	939,487	641,686	1,581,173	0
SPARTA, CITY OF	3,316,193	254,359	218,870	473,229	0
SPOONER, CITY OF	1,382,779	101,684	91,264	192,947	0
ST CROIX FALLS, CITY OF	920,315	72,064	60,741	132,805	0
ST FRANCIS, CITY OF	4,675,875	465,622	308,609	774,231	0
STANLEY, CITY OF	633,207	48,669	41,792	90,460	0
STEVENS POINT, CITY OF	13,248,212	1,175,949	874,387	2,050,336	0
STOUGHTON, CITY OF	6,226,372	457,765	410,943	868,707	0
STURGEON BAY, CITY OF	5,596,736	478,229	369,386	847,615	0
SUN PRAIRIE, CITY OF	3,811,012	361,665	251,527	613,192	0
SUPERIOR, CITY OF	15,905,280	1,447,419	1,049,753	2,497,172	0
THORP, CITY OF	502,598	37,423	33,172	70,595	0
TOMAH, CITY OF	4,244,277	318,521	280,124	598,645	0
TOMAHAWK, CITY OF	1,400,674	106,633	92,445	199,078	0
TWO RIVERS, CITY OF	7,680,109	826,587	506,889	1,333,476	2,781,666
VERONA, CITY OF	4,933,900	390,546	325,638	716,184	0
VIROQUA, CITY OF	1,727,852	215,628	114,039	329,667	1,349,445
WASHBURN, CITY OF	869,992	64,411	57,420	121,831	0
WATERLOO, CITY OF	1,562,840	119,044	103,148	222,192	0
WATERTOWN, CITY OF	9,764,018	811,750	644,429	1,456,179	0
WAUKESHA, CITY OF	37,036,490	3,255,018	2,444,422	5,699,440	0
WAUPACA, CITY OF	3,042,669	227,122	200,816	427,938	0
WAUPUN, CITY OF	3,860,077	293,109	254,766	547,875	0
WAUSAU, CITY OF	18,308,916	1,637,274	1,208,388	2,845,662	0
WAUTOMA, CITY OF	737,652	56,392	48,685	105,078	0
WAUWATOSA, CITY OF	29,711,934	2,749,909	1,960,993	4,710,902	0
WEST ALLIS, CITY OF	37,575,344	3,375,542	2,479,981	5,855,523	0
WEST BEND, CITY OF	13,332,848	1,222,485	879,972	2,102,457	0
WESTBY, CITY OF	834,680	59,814	55,089	114,904	0
WEYAUWEGA, CITY OF	623,906	47,589	41,178	88,767	0
WHITEHALL, CITY OF	880,735	64,035	58,129	122,164	0
WHITEWATER, CITY OF	5,007,766	381,518	330,516	712,034	0
WISCONSIN DELLS, CITY OF	3,137,645	238,304	207,085	445,389	0
WISCONSIN RAPIDS, CITY OF	14,878,296	1,240,380	981,971	2,222,350	0
Total Cities (188)	1,339,721,646	114,665,424	88,421,973	203,087,396	7,015,807



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
Villages					
ADELL, VILLAGE OF	112,368	7,416	7,416	14,833	0
ALBANY, VILLAGE OF	393,319	29,916	25,959	55,876	0
ALLOUEZ, VILLAGE OF	1,946,043	128,438	128,440	256,878	0
AMHERST, VILLAGE OF	245,163	16,181	16,181	32,362	0
ARGYLE, VILLAGE OF	249,751	18,209	16,484	34,692	0
ARLINGTON, VILLAGE OF	128,619	8,489	8,489	16,978	0
ASHWAUBENON, VILLAGE OF	7,617,565	645,433	502,762	1,148,194	0
ATHENS, VILLAGE OF	241,724	17,543	15,954	33,497	0
AVOCA, VILLAGE OF	87,342	5,764	5,765	11,529	0
BALDWIN, VILLAGE OF	1,409,394	112,617	93,020	205,637	(4,371)
BALSAM LAKE, VILLAGE OF	324,622	25,491	21,425	46,916	7,482
BANGOR, VILLAGE OF	858,265	60,614	56,646	117,260	0
BAY CITY, VILLAGE OF	82,960	5,475	5,475	10,951	0
BAYSIDE, VILLAGE OF	2,979,406	229,375	196,642	426,016	0
BELGIUM, VILLAGE OF	311,849	20,582	20,582	41,164	0
BELLEVILLE, VILLAGE OF	801,759	60,714	52,916	113,630	0
BELLEVUE, VILLAGE OF (BROWN)	1,852,705	134,560	122,279	256,839	0
BELMONT, VILLAGE OF	334,257	24,433	22,061	46,494	0
BENTON, VILLAGE OF	239,585	15,812	15,813	31,625	0
BIG BEND, VILLAGE OF	422,202	35,759	27,865	63,624	0
BIRCHWOOD, VILLAGE OF	172,419	12,890	11,380	24,269	0
BIRNAMWOOD, VILLAGE OF	73,269	4,836	4,836	9,671	0
BIRON, VILLAGE OF	231,325	15,267	15,267	30,535	0
BLACK CREEK, VILLAGE OF	314,525	22,276	20,759	43,035	0
BLACK EARTH, VILLAGE OF	247,234	16,317	16,317	32,635	0
BLANCHARDVILLE, VILLAGE OF	167,962	11,085	11,085	22,171	0
BLOOMFIELD, VILLAGE OF	967,918	76,642	63,883	140,524	0
BLUE MOUNDS, VILLAGE OF	209,942	15,337	13,856	29,193	0
BLUE RIVER, VILLAGE OF	107,228	7,077	7,077	14,154	0
BOYCEVILLE, VILLAGE OF	285,725	25,826	18,858	44,684	16,963
BOYD, VILLAGE OF	199,301	13,736	13,154	26,890	0
BRANDON, VILLAGE OF	242,442	16,001	16,001	32,002	0
BRISTOL, VILLAGE OF	783,432	72,353	51,707	124,060	313,571
BROOKLYN, VILLAGE OF	318,862	22,429	21,045	43,474	0
BROWN DEER, VILLAGE OF	4,983,360	399,263	328,903	728,166	0
BROWNSVILLE, VILLAGE OF	158,868	10,485	10,485	20,971	0
BROWNTOWN, VILLAGE OF	66,666	4,400	4,400	8,800	0
BRUCE, VILLAGE OF	163,366	10,782	10,782	21,564	0
BUTLER, VILLAGE OF	924,216	76,582	60,999	137,580	0
CADOTT, VILLAGE OF	598,966	43,749	39,532	83,280	0
CALEDONIA, VILLAGE OF (RACINE)	8,768,144	770,274	578,700	1,348,974	0
CAMBRIA, VILLAGE OF	219,616	14,495	14,495	28,989	0
CAMBRIDGE, VILLAGE OF	453,845	29,954	29,954	59,908	0
CAMERON, VILLAGE OF	444,799	33,596	29,357	62,953	0
CAMP DOUGLAS, VILLAGE OF	120,466	7,951	7,951	15,902	0
CAMPBELLSPORT, VILLAGE OF	571,832	41,531	37,741	79,272	0
CASCADE, VILLAGE OF	117,429	7,750	7,750	15,501	0
CASCO, VILLAGE OF	59,882	3,952	3,952	7,904	0
CASHTON, VILLAGE OF	558,887	39,812	36,887	76,699	0
CEDAR GROVE, VILLAGE OF	316,768	20,907	20,907	41,813	0
CENTURIA, VILLAGE OF	352,747	32,109	23,281	55,390	108,954
CHASEBURG, VILLAGE OF	74,411	4,911	4,911	9,822	0
CHENEQUA, VILLAGE OF	727,503	63,372	48,015	111,387	0
CLAYTON, VILLAGE OF	166,873	12,388	11,014	23,402	0
CLEAR LAKE, VILLAGE OF	417,669	31,465	27,566	59,031	0
CLEVELAND, VILLAGE OF	436,990	32,229	28,842	61,070	0
CLINTON, VILLAGE OF	651,323	51,681	42,988	94,669	0
CLYMAN, VILLAGE OF	113,717	7,733	7,505	15,238	2,135
COBB, VILLAGE OF	79,821	5,268	5,268	10,536	0
COCHRANE, VILLAGE OF	85,827	5,665	5,665	11,329	0
COLEMAN, VILLAGE OF	204,813	14,726	13,518	28,244	0
COLFAX, VILLAGE OF	449,517	32,448	29,668	62,116	0
COLOMA, VILLAGE OF	201,650	14,117	13,309	27,426	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
COMBINED LOCKS, VILLAGE OF	407,158	30,944	26,873	57,816	223,333
COON VALLEY, VILLAGE OF	207,291	14,846	13,681	28,527	0
COTTAGE GROVE, VILLAGE OF	1,561,314	120,207	103,047	223,253	0
CRIVITZ, VILLAGE OF	289,680	21,364	19,119	40,483	0
CROSS PLAINS, VILLAGE OF	984,885	88,537	65,003	153,539	89,383
DALLAS, VILLAGE OF	43,634	2,880	2,880	5,760	0
DANE, VILLAGE OF	193,146	13,496	12,748	26,244	0
DARIEN, VILLAGE OF	377,769	24,932	24,933	49,866	0
DE SOTO, VILLAGE OF	70,524	4,654	4,655	9,309	0
DEERFIELD, VILLAGE OF	440,106	29,047	29,047	58,094	0
DEFORREST, VILLAGE OF	3,101,600	241,426	204,707	446,133	0
DENMARK, VILLAGE OF	308,708	20,658	20,375	41,033	0
DICKEYVILLE, VILLAGE OF	189,828	13,268	12,529	25,797	0
DOUSMAN, VILLAGE OF	232,689	15,357	15,357	30,715	0
DRESSER, VILLAGE OF	261,162	18,699	17,237	35,936	0
EAGLE, VILLAGE OF	286,431	23,229	18,904	42,134	0
EAST TROY, VILLAGE OF	1,326,111	103,622	87,524	191,146	0
EASTMAN, VILLAGE OF	70,893	4,679	4,679	9,358	0
EDGAR, VILLAGE OF	249,126	17,797	16,442	34,240	0
EGG HARBOR, VILLAGE OF	425,750	28,099	28,100	56,199	0
ELEVA, VILLAGE OF	189,355	13,886	12,497	26,384	0
ELK MOUND, VILLAGE OF	262,347	17,668	17,315	34,983	0
ELKHART LAKE, VILLAGE OF	602,675	45,868	39,777	85,645	0
ELLSWORTH, VILLAGE OF	905,798	68,812	59,783	128,595	0
ELM GROVE, VILLAGE OF	3,195,495	255,257	210,903	466,160	0
ELMWOOD, VILLAGE OF	194,743	13,895	12,853	26,748	0
EPHRAIM, VILLAGE OF	345,327	22,791	22,792	45,583	0
ETTRICK, VILLAGE OF	145,501	9,610	9,603	19,213	0
FAIRWATER, VILLAGE OF	60,701	4,006	4,006	8,013	0
FALL CREEK, VILLAGE OF	324,107	24,089	21,391	45,481	0
FALL RIVER, VILLAGE OF	279,483	21,651	18,446	40,097	0
FERRYVILLE, VILLAGE OF	43,471	2,869	2,869	5,738	0
FONTANA ON GNVA LK, VILLAGE OF	1,388,415	104,960	91,636	196,595	0
FOX POINT, VILLAGE OF	3,236,139	257,683	213,586	471,269	0
FREDERIC, VILLAGE OF	350,213	24,653	23,114	47,767	0
FREMONT, VILLAGE OF	151,502	11,448	9,999	21,447	0
FRIENDSHIP, VILLAGE OF	200,284	18,626	13,219	31,845	16,682
GAYS MILLS, VILLAGE OF	169,061	11,158	11,158	22,316	0
GENOA CITY, VILLAGE OF	836,497	64,218	55,209	119,427	0
GERMANTOWN, VILLAGE OF	6,998,756	551,061	461,919	1,012,980	0
GILMAN, VILLAGE OF	184,810	13,677	12,198	25,875	0
GRAFTON, VILLAGE OF	4,956,752	381,967	327,147	709,114	0
GRANTON, VILLAGE OF	181,865	12,003	12,003	24,006	0
GRANTSBURG, VILLAGE OF	529,060	39,851	34,918	74,769	0
GREENDALE, VILLAGE OF	6,491,236	627,391	428,423	1,055,814	0
GRESHAM, VILLAGE OF	407,433	26,891	26,891	53,781	0
HALES CORNERS, VILLAGE OF	2,684,261	221,135	177,162	398,297	0
HAMMOND, VILLAGE OF	543,423	41,081	35,866	76,947	0
HARRISON, VILLAGE OF	657,314	43,383	43,383	86,766	0
HARTLAND, VILLAGE OF	3,481,061	275,376	229,751	505,127	0
HAUGEN, VILLAGE OF	37,024	2,444	2,444	4,887	0
HAWKINS, VILLAGE OF	86,908	7,909	5,736	13,645	8,743
HAZEL GREEN, VILLAGE OF	421,780	31,073	27,838	58,910	0
HIGHLAND, VILLAGE OF	195,356	14,145	12,894	27,038	0
HILBERT, VILLAGE OF	244,396	16,130	16,130	32,260	0
HIXTON, VILLAGE OF	88,119	6,697	5,816	12,513	9,879
HOBART, VILLAGE OF	1,105,339	85,840	72,953	158,792	0
HOLLANDALE, VILLAGE OF	23,224	1,533	1,533	3,066	0
HOLMEN, VILLAGE OF	1,873,869	144,906	123,676	268,582	0
HORTONVILLE, VILLAGE OF	949,299	71,577	62,654	134,231	0
HOWARD, VILLAGE OF	2,595,719	176,381	171,318	347,699	0
HOWARDS GROVE, VILLAGE OF	353,050	23,301	23,301	46,603	0
HUSTISFORD, VILLAGE OF	620,639	48,410	40,962	89,372	73,960
IOLA, VILLAGE OF	488,557	37,145	32,245	69,389	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
IRON RIDGE, VILLAGE OF	196,541	14,750	12,972	27,722	0
JACKSON, VILLAGE OF	2,221,840	174,850	146,642	321,493	0
JOHNSON CREEK, VILLAGE OF	862,316	62,733	56,913	119,646	0
JUNCTION CITY, VILLAGE OF	84,424	9,202	5,572	14,774	77,146
KENDALL, VILLAGE OF	146,485	9,668	9,668	19,336	0
KEWASKUM, VILLAGE OF	1,121,473	90,524	74,017	164,541	0
KIMBERLY, VILLAGE OF	1,499,376	98,958	98,959	197,918	0
KOHLER, VILLAGE OF	1,020,262	82,697	67,337	150,034	0
KRONENWETTER, VILLAGE OF	1,217,816	94,881	80,376	175,257	0
LA FARGE, VILLAGE OF	399,739	27,827	26,383	54,210	0
LA VALLE, VILLAGE OF	66,005	4,356	4,356	8,713	0
LAC LA BELLE, VILLAGE OF	18,134	1,197	1,197	2,394	0
LAKE DELTON, VILLAGE OF	2,761,777	229,877	182,278	412,156	0
LAKE HALLIE, VILLAGE OF	795,079	66,136	52,475	118,611	0
LAKE NEBAGAMON, VILLAGE OF	176,000	11,616	11,616	23,232	0
LANNON, VILLAGE OF	116,763	9,343	7,706	17,049	0
LENA, VILLAGE OF	220,555	15,854	14,557	30,411	0
LINDEN, VILLAGE OF	157,846	11,167	10,418	21,585	0
LITTLE CHUTE, VILLAGE OF	4,010,247	321,315	264,678	585,993	0
LOGANVILLE, VILLAGE OF	41,116	2,714	2,714	5,427	0
LOMIRA, VILLAGE OF	487,784	37,120	32,194	69,314	0
LUCK, VILLAGE OF	493,695	39,405	32,584	71,990	30,794
LUXEMBURG, VILLAGE OF	245,651	17,553	16,213	33,766	0
MAPLE BLUFF, VILLAGE OF	1,017,951	89,308	67,185	156,493	0
MARATHON CITY, VILLAGE OF	457,840	33,058	30,217	63,276	0
MARSHALL, VILLAGE OF	1,062,756	83,415	70,142	153,557	0
MATTOON, VILLAGE OF	73,454	4,848	4,848	9,696	0
MAZOMANIE, VILLAGE OF	306,366	20,220	20,220	40,440	0
MCFARLAND, VILLAGE OF	2,943,233	233,705	194,254	427,959	0
MENOMONEE FALLS, VILLAGE OF	13,622,704	1,099,215	899,102	1,998,317	0
MILLTOWN, VILLAGE OF	315,837	23,260	20,845	44,106	0
MINONG, VILLAGE OF	230,688	17,809	15,225	33,034	0
MISHICOT, VILLAGE OF	341,210	25,477	22,520	47,997	0
MONTFORT, VILLAGE OF	144,930	9,565	9,565	19,131	0
MOUNT HOREB, VILLAGE OF	2,844,098	212,519	187,711	400,230	0
MT PLEASANT, VILLAGE OF (RACINE)	10,328,506	941,967	681,683	1,623,650	0
MUKWONAGO, VILLAGE OF	3,387,425	268,011	223,572	491,583	0
MUSCODA, VILLAGE OF	553,170	41,072	36,509	77,581	0
NECEDAH, VILLAGE OF	318,388	22,341	21,014	43,355	0
NESHKORO, VILLAGE OF	80,224	11,392	5,295	16,687	120,367
NEW GLARUS, VILLAGE OF	1,009,364	73,787	66,619	140,406	0
NEWBURG, VILLAGE OF	127,909	8,442	8,442	16,884	0
NICHOLS, VILLAGE OF	43,247	2,854	2,854	5,709	0
NORTH FOND DU LAC, VILLAGE OF	2,230,382	174,628	147,206	321,834	0
NORTH FREEDOM, VILLAGE OF	87,459	5,772	5,772	11,545	0
NORTH HUDSON, VILLAGE OF	591,227	46,074	39,021	85,095	0
OCONOMOWOC LAKE, VILLAGE OF	633,539	56,972	41,814	98,786	0
ONTARIO, VILLAGE OF	169,069	12,331	11,159	23,490	0
OOSTBURG, VILLAGE OF	413,317	32,239	27,279	59,518	7,447
OREGON, VILLAGE OF	2,953,015	225,602	194,900	420,502	0
ORFORDVILLE, VILLAGE OF	408,059	29,892	26,932	56,824	0
OSCEOLA, VILLAGE OF	879,276	67,125	58,033	125,158	0
OXFORD, VILLAGE OF (MARQUETTE)	132,177	9,680	8,724	18,404	0
PADDOCK LAKE, VILLAGE OF	363,221	23,972	23,973	47,945	0
PARDEEVILLE, VILLAGE OF	488,772	32,259	32,259	64,518	0
PEPIN, VILLAGE OF	211,633	15,340	13,968	29,308	0
PEWAUKEE, VILLAGE OF	3,062,782	244,105	202,144	446,250	0
PLAIN, VILLAGE OF	210,402	13,886	13,887	27,773	0
PLAINFIELD, VILLAGE OF	228,395	17,497	15,074	32,571	0
PLEASANT PRAIRIE, VILLAGE OF	12,742,390	970,307	840,998	1,811,305	0
PLOVER, VILLAGE OF	3,709,958	288,128	244,858	532,987	0
PORT EDWARDS, VILLAGE OF	784,603	58,528	51,784	110,312	0
POUND, VILLAGE OF	76,759	5,066	5,066	10,132	0
POYNETTE, VILLAGE OF	703,226	52,918	46,413	99,331	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
PRAIRIE DU SAC, VILLAGE OF	1,114,427	73,552	73,552	147,104	0
PRAIRIE FARM, VILLAGE OF	877,731	57,930	57,930	115,861	0
PULASKI, VILLAGE OF	1,006,273	77,907	66,414	144,321	0
RANDOLPH, VILLAGE OF	469,867	49,173	31,011	80,184	98,094
RANDOM LAKE, VILLAGE OF	333,761	22,028	22,028	44,056	0
RIB LAKE, VILLAGE OF	160,208	10,574	10,574	21,147	0
RIO, VILLAGE OF	289,952	21,848	19,137	40,985	0
RIVER HILLS, VILLAGE OF	1,401,698	118,183	92,513	210,696	0
ROBERTS, VILLAGE OF	643,442	48,230	42,467	90,698	0
ROCHESTER, VILLAGE OF	255,407	16,857	16,857	33,714	0
ROCK SPRINGS, VILLAGE OF	62,335	4,114	4,114	8,228	0
ROCKLAND, VILLAGE OF	126,595	8,355	8,355	16,711	0
ROSENDALE, VILLAGE OF	193,030	14,615	12,740	27,355	0
ROSHOLT, VILLAGE OF	69,976	4,618	4,619	9,237	0
ROTHSCHILD, VILLAGE OF	1,597,635	128,550	105,444	233,994	0
SAUK CITY, VILLAGE OF	903,957	59,661	59,662	119,322	0
SAUKVILLE, VILLAGE OF	1,800,611	142,226	118,841	261,067	0
SHARON, VILLAGE OF	628,445	50,012	41,477	91,489	0
SHERWOOD, VILLAGE OF	331,027	21,848	21,848	43,696	0
SHIOCTON, VILLAGE OF	249,766	17,816	16,485	34,300	0
SHOREWOOD HILLS, VILLAGE OF	1,152,310	88,185	76,053	164,238	0
SHOREWOOD, VILLAGE OF	4,763,410	372,646	314,386	687,033	0
SILVER LAKE, VILLAGE OF	190,929	12,601	12,601	25,203	0
SIREN, VILLAGE OF	330,036	24,859	21,782	46,641	0
SISTER BAY, VILLAGE OF	617,059	40,726	40,726	81,452	0
SLINGER, VILLAGE OF	1,891,378	146,977	124,831	271,808	0
SOLDIERS GROVE, VILLAGE OF	139,092	16,830	9,180	26,010	151,159
SOLOON SPRINGS, VILLAGE OF	120,618	7,961	7,961	15,922	0
SOMERS, VILLAGE OF	262,128	20,794	17,300	38,095	0
SOMERSET, VILLAGE OF	1,015,613	77,239	67,031	144,270	0
SOUTH WAYNE, VILLAGE OF	79,970	5,278	5,278	10,556	0
SPENCER, VILLAGE OF	517,070	39,905	34,127	74,032	0
SPRING GREEN, VILLAGE OF	535,782	39,786	35,362	75,148	0
SPRING VALLEY, VILLAGE OF	302,623	22,097	19,974	42,071	0
ST NAZIANZ, VILLAGE OF	183,418	12,106	12,106	24,211	0
STOCKBRIDGE, VILLAGE OF	28,963	1,912	1,912	3,823	0
STRATFORD, VILLAGE OF	459,558	33,942	30,331	64,274	0
STRUM, VILLAGE OF	291,983	25,992	19,271	45,263	22,491
SUAMICO, VILLAGE OF	1,030,426	69,199	68,008	137,207	0
SULLIVAN, VILLAGE OF	93,995	6,204	6,204	12,407	0
SUMMIT, VILLAGE OF (WAUKESHA)	1,221,044	103,621	80,589	184,210	0
SURING, VILLAGE OF	235,947	18,398	15,573	33,971	44,492
SUSSEX, VILLAGE OF	2,424,309	166,764	160,005	326,769	0
THIENSVILLE, VILLAGE OF	1,075,042	83,509	70,953	154,462	0
TREMPEALEAU, VILLAGE OF	613,338	43,426	40,480	83,906	0
TURTLE LAKE, VILLAGE OF	542,180	42,480	35,784	78,264	0
TWIN LAKES, VILLAGE OF	2,344,051	182,540	154,708	337,247	0
UNION CENTER, VILLAGE OF	122,485	8,509	8,084	16,593	0
UNION GROVE, VILLAGE OF	849,123	56,042	56,043	112,084	0
VALDERS, VILLAGE OF	297,208	19,673	19,616	39,289	0
WALWORTH, VILLAGE OF	793,471	69,415	52,369	121,784	18,769
WARRENS, VILLAGE OF	153,018	10,099	10,099	20,198	0
WAUNAKEE, VILLAGE OF	3,659,081	279,748	241,501	521,249	0
WAUSAUKEE, VILLAGE OF	121,770	8,037	8,037	16,074	0
WAUZKA, VILLAGE OF	78,861	5,205	5,205	10,410	0
WEST BARABOO, VILLAGE OF	199,679	13,179	13,179	26,358	0
WEST MILWAUKEE, VILLAGE OF	2,858,582	289,600	188,667	478,267	2,507,884
WEST SALEM, VILLAGE OF	968,495	75,562	63,921	139,483	0
WESTFIELD, VILLAGE OF	333,710	24,987	22,025	47,011	0
WESTON, VILLAGE OF (MARATHON)	1,940,306	128,059	128,061	256,120	0
WHITE LAKE, VILLAGE OF	93,634	6,180	6,180	12,360	0
WHITEFISH BAY, VILLAGE OF	4,035,387	321,489	266,336	587,825	0
WHITELAW, VILLAGE OF	90,154	5,950	5,950	11,900	0
WHITING, VILLAGE OF	204,164	13,475	13,475	26,950	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
WILD ROSE, VILLAGE OF	245,062	18,742	16,174	34,917	0
WILLIAMS BAY, VILLAGE OF	1,146,607	98,896	75,676	174,573	83,403
WILSON, VILLAGE OF	43,275	3,029	2,856	5,885	4,462
WIND POINT, VILLAGE OF	204,190	13,477	13,477	26,953	0
WINDSOR, VILLAGE OF	829,789	54,766	54,766	109,532	0
WINNECONNE, VILLAGE OF	840,105	63,236	55,447	118,683	298
WITHEE, VILLAGE OF	103,207	6,812	6,812	13,623	0
WONEWOC, VILLAGE OF	290,259	20,602	19,157	39,760	0
WOODVILLE, VILLAGE OF	526,679	40,693	34,761	75,454	0
WRIGHTSTOWN, VILLAGE OF	645,822	47,348	42,624	89,972	0
WYOCENA, VILLAGE OF	127,623	8,423	8,423	16,846	0
Total Villages (266)	252,988,667	19,894,320	16,697,323	36,591,643	4,033,519
Special Districts					
ADRC OF THE NORTHWOODS	237,309	15,662	15,662	31,325	0
ALGOMA CITY HOUSING AUTH	51,570	3,404	3,404	6,807	0
ALGOMA SANITARY DIST	432,438	28,541	28,541	57,082	0
ALLENTON SANITARY DIST	97,009	6,403	6,403	12,805	0
ALTOONA CITY HOUSING AUTHORITY	10,345	890	683	1,572	3,941
ANTIGO CITY HOUSING AUTH	309,491	20,426	20,426	40,853	0
APPLETON CITY HOUSING AUTH	746,899	49,295	49,296	98,591	0
ASHLAND CITY HOUSING AUTH	288,641	21,359	19,050	40,410	14,292
ASHLAND COUNTY HOUSING AUTH	544,745	35,953	35,953	71,906	0
BARABOO DISTRICT AMBULANCE	1,538,762	143,969	101,558	245,527	0
BARRON CO HOUSING AUTHORITY	131,086	8,652	8,652	17,303	0
BAY AREA RURAL TRANSIT COMMISS	353,629	23,339	23,340	46,679	0
BAYFIELD COUNTY HOUSING AUTH	103,191	6,811	6,811	13,621	0
BAY-LAKE REGIONAL PLAN COMM	375,272	24,768	24,768	49,536	280
BIG CEDAR LAKE PROT/REHAB DIST	53,857	3,776	3,555	7,331	0
BROCKWAY SANITARY DISTRICT #1	101,262	6,683	6,683	13,367	0
BRUCE VILLAGE HOUSING AUTH	65,805	4,343	4,343	8,686	0
BURLINGTON CITY HOUSING AUTH	40,667	2,684	2,684	5,368	0
CAMBRIDGE-OAKLAND WSTEWTR COMM	114,795	7,576	7,577	15,153	0
CAPITAL AREA REG PLAN COMM	546,315	36,057	36,057	72,114	0
CENTRAL BROWN CTY WATER AUTH	91,475	6,037	6,037	12,075	0
CHILTON CITY HOUSING AUTH	37,034	2,444	2,444	4,888	0
CHIPPEWA CO HOUSING AUTH	432,985	28,577	28,577	57,154	0
CHIPPEWA FIRE DISTRICT	970,546	91,135	64,056	155,191	0
CHRISTMAS MOUNTAIN SAN DIST	41,991	2,771	2,771	5,543	0
CITY-COUNTY DATA CENTER COMM	1,993,980	131,603	131,603	263,205	0
CLINTONVILLE CITY HOUS AUTH	100,893	7,466	6,659	14,125	14,295
COLBY/ABBOTSFORD JT POLICE COM	371,728	34,363	24,534	58,897	0
COMM CARE CONNECTNS OF WIS	24,281,957	1,602,597	1,602,622	3,205,218	0
CONSOL KOSHKONONG SANITARY DIS	324,131	21,393	21,393	42,785	0
CONTINU US	16,570,071	1,093,613	1,093,636	2,187,249	0
COUNTRY ESTATES SAN DIST	32,694	2,158	2,158	4,316	0
CROSS PLAINS AREA EMS	54,361	4,789	3,588	8,376	0
CUMBERLAND MUNICIPAL UTILITY	611,047	40,329	40,329	80,658	0
DANE COUNTY DIST #1 EMS	56,527	5,364	3,731	9,095	0
DANE COUNTY HOUSING AUTHORITY	536,935	41,880	35,439	77,319	395,318
DANE-IOWA WASTEWATER COMM	161,320	10,647	10,647	21,294	0
DARBOY JOINT SANITARY DIST #1	276,742	18,265	18,265	36,530	(11,335)
DEER-GROVE EMS DIST	474,790	44,676	31,336	76,012	0
DEFOREST WINDSOR FIRE & EMS	359,990	33,085	23,759	56,845	0
DELAFIELD-HARTL WATER POL CNTL	494,636	32,646	32,646	65,292	0
DELAVAN LAKE SANITARY DISTRICT	486,501	32,109	32,109	64,218	0
DELLS-DELTON EMS COMM	1,129,011	106,394	74,515	180,909	0
DELTON FIRE & AMBULANCE COMM	49,366	3,385	3,258	6,643	0
DODGE COUNTY HOUSING AUTHORITY	146,214	9,650	9,650	19,300	0
EAGLE RIVER UNION AIRPORT	110,706	7,307	7,307	14,613	0
EAST CENTRAL WIS REG PLAN COMM	1,221,768	80,636	80,637	161,273	0
EASTERN COLUMBIA CTY JM COURT	56,957	3,759	3,759	7,518	0
EASTERN SHORES LIB SYS	375,484	24,782	24,782	49,564	0
EAU CLAIRE CITY HOUSING AUTH	629,840	41,569	41,570	83,139	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
EAUCLAIRE CITY-CO HEALTH DPT	2,923,554	192,953	192,956	385,909	0
EDGERTON CITY HOUSING AUTH	124,116	8,192	8,192	16,383	0
EDGERTON FIRE PROT DIST	197,928	18,783	13,063	31,847	0
EVEREST METRO POLICE COMM	1,977,607	182,466	130,522	312,989	0
FISH CREEK SANITARY DIST #1	199,573	13,172	13,172	26,344	0
FITCH-RONA EMS DISTRICT	1,239,031	117,160	81,776	198,936	0
FOND DU LAC CITY HOUSING AUTH	672,713	44,399	44,399	88,798	0
FONTANA/WALWORTH WTR POL CN CM	307,441	20,291	20,291	40,582	0
FOOTVILLE FIRE EMS	39,246	3,724	2,590	6,315	0
FOX LAKE WASTEWATER CONTR COMM	13,249	874	874	1,749	0
FOX WEST REGIONAL SEWER COMM	347,515	22,936	22,936	45,872	0
FREEDOM SANITARY DISTRICT #1	134,423	8,872	8,872	17,744	0
GB/BROWN CO PRO FTBALL STAD DIS	112,914	7,452	7,452	14,905	0
GOODMAN SANITARY DISTRICT NO 1	34,240	2,260	2,260	4,520	0
GREEN BAY METRO SEWERAGE DIST	6,985,769	461,059	461,063	922,121	0
GREEN LAKE SANITARY DISTRICT	233,272	15,396	15,396	30,792	0
HA OF THE CITY OF S MILWAUKEE	156,192	10,309	10,309	20,617	0
HARMONY GROVE-OKEE JT SEW COMM	148,197	9,781	9,781	19,562	0
HEART OF THE VALLEY MET SEW DS	716,091	47,262	47,262	94,524	0
HOLMEN AREA FIRE DEPT	148,830	14,124	9,823	23,947	0
HUDSON CITY HOUSING AUTHORITY	52,916	3,493	3,493	6,985	0
HUM SRV CTR ONIDA VILAS FORST	2,314,423	152,751	152,753	305,504	0
HURLEY HOUSING AUTHORITY	72,651	5,158	4,795	9,953	599
INDIANHEAD FED LIBRARY SYSTEM	705,537	46,565	46,566	93,131	0
IRON RIVER SANITARY DIST #1	96,424	6,364	6,364	12,728	0
JEFFERSON CITY HOUSING AUTH	131,373	9,721	8,671	18,392	12,129
KAUKAUNA CITY HOUSING AUTH	136,949	9,039	9,039	18,077	0
KEGONSA SANITARY DISTRICT	80,962	5,343	5,343	10,687	0
KELLY LAKE SANITARY DIST #1	25,956	1,713	1,713	3,426	0
KENOSHA JOINT SERVICES	3,957,064	261,165	261,168	522,332	0
LA CROSSE CITY HOUSING AUTH	1,027,466	67,812	67,813	135,625	0
LADYSMITH HOUSING AUTH	112,118	7,400	7,400	14,800	0
LAKE COMO SANITARY DIST #1	192,400	13,660	12,698	26,359	20,862
LAKE COUNTRY FIRE & RESCUE	1,008,329	94,127	66,550	160,677	0
LAKE MILLS CITY HOUSING AUTH	100,171	6,611	6,611	13,223	0
LAKE RIPLEY MGT DISTRICT	45,166	3,116	2,981	6,097	6,802
LAKELAND CARE DISTRICT	14,994,469	989,626	989,644	1,979,270	0
LAKELAND SANITARY DISTRICT #1	269,284	17,773	17,773	35,545	0
LAKESHORES LIBRARY SYSTEM	301,095	19,872	19,872	39,745	0
LAONA SANITARY DISTRICT #1	76,783	5,068	5,068	10,135	0
LEAGUE OF WISC MUNICIPALITIES	696,703	45,982	45,983	91,965	0
LINCOLN COUNTY HOUSING AUTH	102,463	6,763	6,763	13,525	0
LODI COMMUNITY AMBULANCE SERV	117,375	11,139	7,747	18,886	0
LYONS SANITARY DISTRICT #2	88,836	5,863	5,863	11,726	0
MADLINE SANITARY DISTRICT	60,724	4,008	4,008	8,016	0
MADISON METRO SEWERAGE DIST	7,638,412	504,133	504,138	1,008,270	0
MANITOWOC CITY HOUSING AUTH	115,497	7,623	7,623	15,246	0
MANITOWOC-CALUMET LIB SYS	96,888	6,395	6,395	12,789	0
MARINETTE CITY HOUSING AUTH	196,007	15,680	12,937	28,617	83,558
MARSHALL AREA EMS DIST #14	74,653	6,745	4,927	11,672	0
MARSHFIELD CDA	293,799	19,391	19,391	38,782	0
MARSHFIELD ELECTRIC & WATER	3,283,624	216,718	216,720	433,438	0
MENASHA ELECTRIC & WATER	2,996,516	197,769	197,771	395,540	0
MENOMONIE CITY HOUSING AUTH	201,904	13,326	13,326	26,651	0
MEQUON - THIENSVILLE LIBRARY	421,428	27,814	27,814	55,629	0
MERCER SANITARY DISTRICT #1	130,546	8,616	8,616	17,232	0
MERRILL CITY HOUSING AUTHORITY	299,562	19,771	19,771	39,542	0
MIDDLETON FIRE DISTRICT	338,253	38,958	22,325	61,282	0
MID-MORAINNE MUNICIPAL COURT	347,395	22,928	22,928	45,856	0
MID-WIS FEDERATED LIB SYS	84,336	5,566	5,566	11,132	0
MILW AREA DOM ANIMAL CONT COMM	1,280,464	84,510	84,511	169,021	0
MILWAUKEE CO FED LIB SYS	371,374	24,511	24,511	49,021	0
MISSISSIPPI RIVER REG PLAN COM	213,964	14,122	14,122	28,243	0
MONROE CITY HOUSING AUTHORITY	174,659	11,527	11,527	23,055	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
MOSINEE FIRE DIST	152,676	15,144	10,077	25,220	0
MT HOREB AREA FIRE DEPT	289,671	38,497	19,118	57,616	0
MUNI COURT W WAUKESHA COUNTY	159,748	10,543	10,543	21,087	0
NEW GLARUS EMS	106,837	10,139	7,051	17,190	0
NEW LONDON CITY HOUSING AUTH	79,529	5,964	5,249	11,214	1,388
NEW RICHMOND AMBULANCE	387,768	25,592	25,593	51,185	0
NICOLET FEDERATED LIBRARY SYS	301,081	19,871	19,871	39,743	0
NORTH CENTRAL HEALTH CARE FAC	28,424,517	1,876,017	1,876,020	3,752,036	0
NORTH CENTRAL WIS REG PLAN COM	436,526	28,810	28,811	57,621	0
NORTH SHORE FIRE DEPT	8,478,171	1,290,702	559,561	1,850,264	0
NORTH SHORE WATER COMMISSION	453,973	29,962	29,962	59,924	0
NORTHERN MORAIN UTILITY COMM	132,572	8,750	8,750	17,499	0
NORTHERN WATERS LIBRARY SERV	333,813	22,032	22,032	44,063	0
NORTHWEST REGIONAL PLAN COMM	847,955	55,965	55,965	111,930	0
NORWAY SANITARY DISTRICT #1	276,202	18,229	18,229	36,459	0
OCONTO CITY HOUSING AUTHORITY	127,710	8,429	8,429	16,858	0
OREGON AREA FIRE - EMS DIST	567,330	53,839	37,444	91,283	0
ORFORDVILLE VOL FIRE PROT DIST	42,031	3,989	2,774	6,763	0
OSHKOSH CITY HOUSING AUTHORITY	1,508,584	99,566	99,567	199,133	0
OUTAGAMIE COUNTY HOUSING AUTH	1,066,581	70,394	70,395	140,789	0
OUTAGAMIE WAUPC CO FED LIBR SY	540,198	35,653	35,654	71,306	0
PHELPS SANITARY DISTRICT #1	48,190	3,181	3,181	6,361	0
PLEASANT SPRINGS SAN DIS #1	108,854	7,184	7,184	14,369	0
PLYMOUTH CITY HOUSING AUTH	89,296	5,894	5,894	11,787	0
PORTAGE COUNTY HOUSING AUTH	111,177	7,338	7,338	14,675	0
PRAIRIE DU SAC JT SEWER COMM	58,763	3,878	3,878	7,757	0
RACINE COUNTY HOUSING AUTH	502,891	33,191	33,191	66,382	0
REEDSBURG AREA AMBULANCE SVCES	314,187	27,828	27,736	48,564	0
REEDSVILLE VIL HOUSING AUTH	38,435	2,537	2,537	5,073	0
RHINELANDER CITY HOUSING AUTH	127,754	8,432	8,432	16,864	0
RIB MOUNTAIN METRO SEW DIST	489,781	32,326	32,326	64,651	0
RICE LAKE CITY HOUSING AUTH	269,276	26,389	17,772	44,161	96,179
RICHLAND CENTER CITY HOUS AUTH	92,053	6,075	6,076	12,151	0
RICHLAND FIRE DEPARTMENT	25,019	2,374	1,651	4,026	0
RIPON AREA FIRE DISTRICT	68,455	6,496	4,518	11,014	0
RIVER FALLS CITY HOUSING AUTH	313,926	23,230	20,719	43,950	14,946
SAUK CITY HOUSING AUTHORITY	37,908	2,502	2,502	5,004	0
SAUK COUNTY HOUSING AUTHORITY	242,553	16,008	16,009	32,017	0
SAUK PRAIRIE AMBULANCE ASSOC	157,019	14,901	10,363	25,264	0
SAUK PRAIRIE POLICE COMMISSION	917,989	84,789	60,587	145,376	0
SAUK PRAIRIE RECREATION COMM	80,000	5,280	5,280	10,560	0
SAWYER COUNTY HOUSING AUTH	137,924	9,103	9,103	18,206	0
SHAWANO CITY HOUSING AUTHORITY	168,830	11,143	11,143	22,286	-104
SHAWANO COUNTY HOUSING AUTH	187,822	12,396	12,396	24,792	0
SHAWANO LAKE SANITARY DIST #1	648,174	42,779	42,780	85,559	0
SHAWANO MUNICIPAL UTILITIES	1,085,213	71,624	71,624	143,248	0
SHEBOYGAN CITY HOUSING AUTH	353,144	23,308	23,307	46,615	0
SILVER LAKE SAN. DIST.	344,967	22,768	22,768	45,536	0
SLINGER VILLAGE HOUSING AUTH	23,605	1,558	1,558	3,116	0
SOUTH AREA FIRE & EMS DIST	618,083	58,656	40,794	99,450	0
SOUTH CENTRAL LIBRARY SYSTEM	2,335,514	154,142	154,146	308,288	0
SOUTHEASTERN WIS REG PLAN COMM	4,224,619	278,823	278,826	557,650	0
SOUTHWEST WIS LIBRARY SYSTEM	187,156	12,352	12,352	24,705	0
SOUTHWESTERN WIS REG PLAN COMM	312,895	20,651	20,651	41,302	0
SPOONER CITY HOUSING AUTH	78,617	5,189	5,189	10,377	0
SPOONER FIRE DISTRICT	61,500	5,836	4,059	9,895	0
ST JOSEPH SANITARY DISTRICT #1	29,405	1,941	1,941	3,881	0
STEVENS POINT CITY HOUS AUTH	484,891	32,003	32,003	64,006	0
SULLIVAN SANITARY DISTRICT #1	64,615	4,265	4,265	8,529	0
SUPERIOR CITY HOUSING AUTH	1,020,959	67,383	67,383	134,767	0
TAYLOR COUNTY HOUSING AUTH	24,563	1,621	1,621	3,242	0
THREE LAKES SANITARY DIST #1	66,576	4,394	4,394	8,788	0
TREMPEALEAU COUNTY HOUS AUTH	295,212	21,845	19,484	41,330	25,174
UNIFIED COMMUNITY SERVICES	1,674,841	110,539	110,540	221,079	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
VALLEY RIDGE CLEAN WATER COMM	72,995	4,818	4,818	9,635	0
VANGUARD ELECTRIC UTIL COMM	330,014	21,781	21,781	43,562	0
VIROQUA CITY HOUSING AUTHORITY	182,543	12,048	12,048	24,096	0
WABENO SANITARY DISTRICT #1	41,079	2,711	2,711	5,422	0
WALES/GENESEE JOINT FIRE BD	120,900	11,473	7,979	19,453	0
WALTER E OLSON MEMORIAL LIB	57,995	3,828	3,828	7,655	0
WALWORTH COUNTY METRO SEW DIST	1,036,523	76,702	68,411	145,113	100,278
WASHBURN CITY HOUSING AUTH	105,000	6,930	6,930	13,860	0
WATERTOWN CITY HOUSING AUTH	121,544	8,994	8,022	17,016	9,866
WAUKESHA CITY HOUSING AUTH	671,792	44,338	44,338	88,677	0
WAUNAKEE AREA EMS	216,451	19,240	14,286	33,526	0
WAUNAKEE AREA FIRE DIST	53,984	3,563	3,563	7,126	0
WAUNAKEE WATER & LIGHT	1,263,667	83,402	83,402	166,804	0
WAUPACA CHAIN O'LAKES SAN DIST	77,659	5,125	5,125	10,251	0
WAUSAUKEE VILLAGE HOUS AUTH	123,482	8,150	8,150	16,300	0
WAVERLY SANITARY DISTRICT	313,470	20,689	20,689	41,378	0
WEST BEND CITY HOUSING AUTH	247,705	16,349	16,349	32,697	0
WEST CENTRAL WI BISOLIDS COMM	155,876	10,288	10,288	20,576	0
WEST CENTRAL WIS REG PLAN COMM	714,985	47,189	47,189	94,378	0
WESTERN LAKES FIRE DIST	523,064	49,639	34,522	84,161	0
WESTERN RACINE CO SEWERAGE DIS	118,411	7,815	7,815	15,630	0
WESTERN WISCONSIN CARES	14,759,438	974,115	974,131	1,948,246	0
WINDING RIVERS LIBRARY SYS	393,628	25,979	25,980	51,959	0
WINNEFOX LIBRARY SYSTEM	700,164	46,211	46,211	92,422	0
WIS DELLS-LAKE DELTON SEW COMM	205,308	13,550	13,550	27,101	0
WISCONSIN COUNTIES ASSOCIATION	1,730,418	114,207	114,208	228,415	0
WISCONSIN MUNIC MUTAL INS CO	673,339	44,440	44,440	88,881	0
WISCONSIN RAPIDS CITY HS AUTH	430,011	31,821	28,381	60,201	12,512
WISCONSIN TOWNS ASSOCIATION	360,545	23,796	23,796	47,592	0
WISCONSIN VALLEY LIBRARY SRV	332,185	21,924	21,924	43,848	0
Total Special Districts (208)	210,033,884	15,047,069	13,862,314	28,909,384	800,980
Towns					
ADDISON, TOWN OF (WASHINGTON)	136,639	9,018	9,018	18,036	0
ALBAN, TOWN OF (PORTAGE)	64,265	4,242	4,242	8,483	0
ALBION, TOWN OF (DANE)	141,364	9,330	9,330	18,660	0
ALBION, TOWN OF (JACKSON)	40,387	2,666	2,666	5,331	0
ALGOMA, TOWN OF (WINNEBAGO)	101,652	6,709	6,709	13,418	0
ALMA, TOWN OF (JACKSON)	11,698	772	772	1,544	0
ANSON, TOWN OF (CHIPPEWA)	56,590	4,626	3,735	8,361	57,083
ARBOR VITAE, TOWN OF (VILAS)	195,043	15,993	12,873	28,866	16,678
ASHIPPUN, TOWN OF (DODGE CO)	115,297	7,609	7,610	15,219	0
ASHLAND, TOWN OF (ASHLAND)	79,163	5,225	5,225	10,450	0
ATHELSTANE, TOWN OF (MARINETTE)	137,743	9,091	9,091	18,182	0
AZTALAN, TOWN OF (JEFFERSON)	63,382	5,714	4,183	9,897	132,052
BAILEYS HARBOR, TOWN OF (DOOR)	453,681	29,943	29,943	59,886	0
BALSAM LAKE, TOWN OF (POLK)	46,987	3,101	3,101	6,202	0
BARABOO, TOWN OF (SAUK)	80,889	5,339	5,339	10,677	0
BARKSDALE, TOWN OF (BAYFIELD)	48,209	3,182	3,182	6,364	0
BARRON, TOWN OF (BARRON)	51,140	3,375	3,375	6,750	0
BAYVIEW, TOWN OF (BAYFIELD)	60,099	3,966	3,967	7,933	0
BEAR CREEK, TOWN OF (SAUK)	73,796	4,871	4,871	9,741	0
BELMONT, TOWN OF (LAFAYETTE)	31,997	2,112	2,112	4,224	0
BELOIT, TOWN OF (ROCK)	2,321,126	215,464	153,195	368,659	0
BENNETT, TOWN OF (DOUGLAS)	86,039	5,679	5,679	11,357	0
BERGEN, TOWN OF (VERNON)	46,266	3,054	3,054	6,107	0
BERRY, TOWN OF (DANE)	79,977	5,279	5,279	10,557	0
BLOOMFIELD, TOWN OF (WALWORTH)	13,877	916	916	1,832	0
BLOOMING GROVE, TOWN OF (DANE)	212,271	15,411	14,010	29,421	0
BLUE MOUNDS, TOWN OF (DANE)	68,684	4,533	4,533	9,066	0
BOULDER JUNCTION, TOWN (VILAS)	176,410	11,643	11,643	23,286	0
BRIGHAM, TOWN OF (IOWA)	112,061	7,396	7,396	14,792	0
BROCKWAY, TOWN OF (JACKSON)	97,715	6,449	6,449	12,898	0
BROOKFIELD, TOWN OF (WAUKESHA)	2,933,492	249,606	193,611	443,217	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
BROOKLYN, TOWN OF (GREEN)	71,402	4,713	4,713	9,425	0
BROTHERTOWN, TOWN OF(CALUMET)	61,235	8,634	4,042	12,676	96,113
BUCHANAN, TOWN OF(OUTAGAMIE)	137,105	9,049	9,049	18,098	0
BURKE, TOWN OF (DANE)	191,145	12,615	12,616	25,231	0
BURLINGTON, TOWN OF (RACINE)	347,787	25,090	22,954	48,044	0
CABLE, TOWN OF (BAYFIELD)	184,624	12,185	12,185	24,370	0
CAMPBELL, TOWN OF (LA CROSSE)	526,371	41,952	34,741	76,693	0
CAREY, TOWN OF (IRON)	51,903	3,426	3,426	6,851	0
CASSIAN, TOWN OF (ONEIDA)	102,072	6,737	6,737	13,474	0
CEDARBURG, TOWN OF (OZAUKEE)	540,232	35,655	35,656	71,311	0
CHETEK, TOWN OF (BARRON)	75,549	4,986	4,986	9,972	0
CHRISTIANA, TOWN OF (DANE)	99,810	6,588	6,587	13,175	0
CLAYTON, TOWN OF (POLK)	46,800	3,089	3,089	6,178	0
CLAYTON, TOWN OF (WINNEBAGO)	360,414	24,521	23,787	48,308	0
CLEAR LAKE, TOWN OF (POLK)	41,095	3,699	2,712	6,411	29,717
CLIFTON, TOWN OF (MONROE)	42,128	2,780	2,781	5,561	0
CLINTON, TOWN OF (BARRON)	52,707	3,479	3,479	6,957	0
CLOVER, TOWN OF (BAYFIELD)	52,811	3,486	3,486	6,971	0
COLBY, TOWN OF (CLARK)	46,474	3,067	3,067	6,135	0
CORNING, TOWN OF (LINCOLN)	37,461	2,472	2,472	4,945	0
CRESCENT, TOWN OF (ONEIDA)	140,160	9,250	9,251	18,501	0
CROSS PLAINS, TOWN OF (DANE)	69,633	4,596	4,596	9,192	0
DAIRYLAND, TOWN OF (DOUGLAS)	41,841	2,762	2,762	5,523	0
DARIEN, TOWN OF (WALWORTH)	86,254	5,693	5,693	11,386	0
DELAN, TOWN OF (WALWORTH)	1,301,782	111,413	85,918	197,331	0
DELTA, TOWN OF (BAYFIELD)	98,637	6,510	6,510	13,020	0
DELTON, TOWN OF (SAUK)	172,823	11,406	11,406	22,813	0
DOVER, TOWN OF (RACINE)	72,907	4,812	4,812	9,624	0
DRAPER, TOWN OF (SAWYER)	84,026	5,546	5,546	11,091	0
DRUMMOND, TOWN OF (BAYFIELD)	240,542	15,876	15,876	31,752	0
DUNKIRK, TOWN OF (DANE)	120,433	7,949	7,949	15,897	0
DUNN, TOWN OF (DANE)	469,991	31,019	31,020	62,039	0
EAGLE POINT, TOWN OF(CHIPPEWA)	105,757	6,980	6,980	13,960	0
EAGLE, TOWN OF (WAUKESHA)	268,536	19,257	17,723	36,981	0
EAST TROY, TOWN OF(WALWORTH)	765,728	63,795	50,538	114,333	0
EASTON, TOWN OF (MARATHON)	87,556	5,779	5,779	11,557	0
EAU GALLE, TOWN OF (DUNN)	51,116	3,374	3,374	6,747	57,476
EGG HARBOR, TOWN OF (DOOR)	40,824	2,694	2,694	5,389	0
ERIN, TOWN OF (WASHINGTON)	151,896	10,025	10,025	20,050	0
EUREKA, TOWN OF (POLK)	79,754	5,264	5,264	10,528	0
EXETER, TOWN OF (GREEN)	74,350	4,907	4,907	9,814	0
FARMINGTON, TOWN OF (LACROSSE)	78,588	5,187	5,187	10,374	0
FARMINGTON, TOWN OF (WAUPACA)	44,657	2,947	2,947	5,895	0
FLAMBEAU, TOWN OF (RUSK)	29,045	2,817	1,917	4,734	20,816
FLORENCE, TOWN OF (FLORENCE)	867,827	57,276	57,277	114,553	0
FRANKLIN, TOWN OF (MANITOWOC)	68,461	4,518	4,518	9,037	0
FREEDOM, TOWN OF (OUTAGAMIE)	391,273	29,698	25,824	55,522	0
FREEDOM, TOWN OF (SAUK)	44,062	2,908	2,908	5,816	0
FULTON, TOWN OF (ROCK)	52,540	3,468	3,468	6,935	0
GENEVA, TOWN OF (WALWORTH)	760,191	63,097	50,173	113,270	0
GEORGETOWN, TOWN OF (POLK)	48,053	6,631	3,171	9,803	158,629
GERMANTOWN, TOWN (JUNEAU)	84,963	5,608	5,608	11,215	0
GIBRALTAR, TOWN OF (DOOR)	269,342	18,340	17,777	36,117	0
GILMAN, TOWN OF (PIERCE)	52,807	3,485	3,485	6,970	0
GOODMAN, TOWN OF(MARINETTE)	75,081	4,955	4,955	9,911	0
GRAND CHUTE, TOWN OF(OUTAGAME)	6,282,269	522,712	414,631	937,343	0
GRAND RAPIDS, TOWN OF (WOOD)	728,306	60,139	48,068	108,207	0
GRANT, TOWN OF (PORTAGE)	38,244	2,524	2,524	5,048	0
GRATIOT, TOWN OF (LAFAYETTE)	69,314	4,574	4,575	9,150	0
GREEN LAKE, TOWN OF (GRN LAKE)	45,724	3,018	3,018	6,036	0
GREENFIELD, TOWN OF (LACROSSE)	69,641	4,596	4,596	9,193	0
GREENVILLE, TOWN OF(OUTAGAMIE)	1,447,232	102,502	95,517	198,019	0
GREENWOOD, TOWN OF (VERNON)	43,230	2,853	2,853	5,706	0
HAMBURG, TOWN OF (VERNON)	46,522	3,070	3,070	6,141	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
HAY RIVER, TOWN OF (DUNN)	42,640	2,814	2,814	5,628	0
HAYWARD, TOWN OF (SAWYER)	172,510	12,697	11,386	24,083	0
HAZELHURST, TOWN OF (ONEIDA)	142,471	9,403	9,403	18,806	0
HIGHLAND, TOWN OF (IOWA)	87,692	5,788	5,788	11,575	0
HUGHES, TOWN OF (BAYFIELD)	59,992	3,959	3,959	7,919	0
HULL, TOWN OF (PORTAGE)	212,840	14,047	14,047	28,095	0
IRON RIVER, TOWN OF (BAYFIELD)	322,697	24,849	21,298	46,147	0
ITHACA, TOWN OF (RICHLAND)	44,356	2,928	2,928	5,855	0
IXONIA, TOWN OF (JEFFERSON)	271,923	17,947	17,947	35,894	0
JACKSON, TOWN OF (WASHINGTON)	221,538	14,621	14,622	29,243	0
JEFFERSON, TOWN OF (JEFFERSON)	46,443	3,065	3,065	6,130	0
KIMBALL, TOWN OF (IRON)	98,956	9,005	6,531	15,536	61,072
KNIGHT, TOWN OF (IRON)	43,920	2,899	2,899	5,798	0
KNOWLTON, TOWN OF (MARATHON)	39,285	2,593	2,593	5,186	0
KOMENSKY, TOWN OF (JACKSON)	49,840	3,289	3,289	6,579	0
LA POINTE, TOWN OF (ASHLAND)	733,822	52,224	48,433	100,657	0
LA VALLE, TOWN OF (SAUK)	171,877	12,430	11,344	23,774	0
LAC DU FLAMBEAU, TOWN (VILAS)	266,912	21,452	17,616	39,068	183,530
LAFAYETTE, TOWN OF (CHIPPEWA)	142,909	9,432	9,432	18,864	0
LAFAYETTE, TOWN OF (WALWORTH)	85,036	5,612	5,612	11,225	0
LAKE HOLCOMBE, TOWN (CHIPPEWA)	74,320	4,905	4,905	9,810	0
LAKE, TOWN OF (MARINETTE)	65,835	4,345	4,345	8,690	0
LAKETOWN, TOWN OF (POLK)	53,151	3,508	3,508	7,016	0
LAND O LAKES, TOWN OF (VILAS)	323,510	21,352	21,352	42,703	0
LAONA, TOWN OF (FOREST)	177,390	12,794	11,708	24,502	0
LAWRENCE, TOWN OF (BROWN CO)	457,003	30,162	30,162	60,324	0
LEBANON, TOWN OF (DODGE)	105,923	6,991	6,991	13,982	0
LEDGEVIEW, TOWN OF (BROWN)	418,586	27,626	27,627	55,253	0
LINCOLN, TOWN OF (TREMPEALEAU)	38,048	2,511	2,511	5,022	0
LINCOLN, TOWN OF (VILAS)	42,500	2,805	2,805	5,610	0
LINN, TOWN OF (WALWORTH)	645,414	55,480	42,597	98,078	0
LINWOOD, TOWN OF (PORTAGE)	46,879	3,094	3,094	6,188	0
LISBON, TOWN OF (WAUKESHA)	902,432	66,617	59,561	126,178	0
LODI, TOWN OF (COLUMBIA)	45,675	3,015	3,015	6,029	0
LUCAS, TOWN OF (DUNN)	44,565	2,941	2,941	5,883	0
LUDINGTON, TOWN OF (EAU CLAIRE)	36,941	2,438	2,438	4,876	0
LYONS, TOWN OF (WALWORTH)	129,547	8,550	8,550	17,100	0
MADISON, TOWN OF (DANE)	2,473,568	221,462	163,256	384,718	0
MANITOWOC RAPIDS, TOWN (MANITWOC)	80,903	5,340	5,340	10,679	0
MAPLE, TOWN OF (DOUGLAS)	68,229	4,503	4,503	9,006	0
MARENGO, TOWN OF (ASHLAND)	61,337	4,048	4,048	8,097	0
MARION, TOWN OF (WAUSHARA)	28,178	1,860	1,860	3,720	0
MARTELL, TOWN OF (PIERCE)	51,409	3,393	3,393	6,786	0
MAZOMANIE, TOWN OF (DANE)	75,839	5,005	5,005	10,011	0
MEDFORD, TOWN OF (TAYLOR)	51,214	3,380	3,380	6,760	0
MENASHA, TOWN OF (WINNEBAGO)	5,180,928	413,046	341,943	754,989	0
MERCER, TOWN OF (IRON)	348,610	23,008	23,008	46,017	0
MERTON, TOWN OF (WAUKESHA)	721,724	47,634	47,634	95,268	0
MIDDLETON, TOWN OF (DANE)	499,912	32,994	32,994	65,988	0
MILLTOWN, TOWN OF (POLK)	83,465	8,764	5,509	14,272	51,610
MINOCQUA, TOWN OF (ONEIDA)	1,573,416	140,804	103,846	244,649	349,439
MINONG, TOWN OF (WASHBURN)	170,930	11,281	11,282	22,563	0
MISHICOT, TOWN OF (MANITOWOC)	49,421	3,262	3,262	6,524	0
MONTRORSE, TOWN OF (DANE)	56,409	3,723	3,723	7,446	0
MUKWONAGO, TOWN (WAUKESHA)	754,215	62,934	49,778	112,712	0
NEENAH, TOWN OF (WINNEBAGO)	42,495	2,805	2,805	5,609	0
NEW GLARUS, TOWN OF (GREEN)	108,326	7,150	7,150	14,299	0
NEW HAVEN, TOWN OF (DUNN)	37,572	2,780	2,480	5,260	3,407
NEWBOLD, TOWN OF (ONEIDA)	265,542	17,526	17,526	35,052	0
NORWAY, TOWN OF (RACINE)	505,953	35,689	33,393	69,081	0
OAK GROVE, TOWN OF (BARRON)	55,493	3,663	3,663	7,325	0
OAKDALE, TOWN OF (MONROE)	44,055	2,908	2,908	5,815	0
OAKLAND, TOWN OF (JEFFERSON)	175,881	11,608	11,608	23,216	0
OCONOMOWOC, TOWN OF (WAUKESHA)	1,420,523	117,273	93,755	211,027	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
OMA, TOWN OF (IRON)	103,778	6,849	6,849	13,699	0
ONALASKA, TOWN OF (LA CROSSE)	184,259	12,161	12,161	24,322	0
OREGON, TOWN OF (DANE)	186,150	12,286	12,286	24,572	0
ORIENTA, TOWN OF (BAYFIELD)	40,560	2,677	2,677	5,354	0
OTTAWA, TOWN OF (WAUKESHA)	88,912	5,868	5,868	11,736	0
PARKLAND, TOWN OF (DOUGLAS)	114,728	7,687	7,572	15,259	1,557
PELICAN, TOWN OF (ONEIDA)	94,405	6,231	6,231	12,461	0
PEWAUKEE, CITY OF	4,631,126	369,817	305,655	675,472	0
PHELPS, TOWN OF (VILAS)	189,599	12,513	12,514	25,027	0
PINE LAKE, TOWN OF (ONEIDA)	114,101	7,531	7,531	15,061	0
PLEASANT SPRINGS, TOWN(DANE)	144,575	9,542	9,542	19,084	0
PLEASANT VALLEY, TOWN(EAULCLR)	132,349	8,735	8,735	17,470	0
PORT WING, TOWN OF (BAYFIELD)	103,060	6,802	6,802	13,604	0
PRAIRIE LAKE, TOWN OF (BARRON)	50,912	3,360	3,360	6,720	0
PRESQUE ISLE, TOWN OF(VILAS)	284,225	18,759	18,759	37,518	0
PRESTON, TOWN OF (ADAMS)	66,653	4,399	4,399	8,798	0
PRIMROSE, TOWN OF (DANE)	46,298	3,056	3,056	6,111	0
QUINCY, TOWN OF (ADAMS)	122,493	8,084	8,085	16,169	0
RAYMOND, TOWN OF (RACINE)	242,606	16,012	16,012	32,024	0
RIB MOUNTAIN, TOWN (MARATHON)	696,175	45,948	45,948	91,895	0
RICE LAKE, TOWN OF (BARRON)	115,246	7,606	7,606	15,212	0
RICHFIELD, VILLAGE OF(WASHING)	606,936	40,057	40,058	80,116	0
RICHMOND, TOWN OF (WALWORTH)	70,171	4,631	4,631	9,263	0
RIPON, TOWN OF (FOND DU LAC)	90,402	7,542	5,967	13,508	0
RIVER FALLS, TOWN OF (PIERCE)	140,115	9,248	9,248	18,495	0
ROME, TOWN OF (ADAMS)	1,015,811	79,524	67,044	146,568	0
RUDOLPH, TOWN OF (WOOD)	38,155	2,518	2,518	5,037	0
RUTLAND, TOWN OF (DANE)	122,686	8,097	8,097	16,195	0
SALEM, TOWN OF (KENOSHA)	1,554,476	115,489	102,596	218,085	0
SANBORN, TOWN OF (ASHLAND)	101,068	6,670	6,670	13,341	0
SCOTT, TOWN OF (BROWN)	146,821	9,690	9,690	19,380	0
SCOTT, TOWN OF (SHEBOYGAN)	58,104	3,835	3,835	7,670	0
SHARON, TOWN OF (PORTAGE)	85,587	5,649	5,649	11,298	0
SHARON, TOWN OF (WALWORTH)	48,416	3,195	3,195	6,391	0
SHEBOYGAN, TOWN OF (SHEBOYGAN)	358,914	23,687	23,690	47,377	0
SHELBY, TOWN OF (LA CROSSE)	627,852	45,315	41,438	86,753	0
SOMERS, TOWN OF (KENOSHA)	1,290,964	102,360	85,204	187,564	0
SOMERSET, TOWN OF (ST CROIX)	169,180	11,166	11,166	22,332	0
SOUTH LANCASTER, TOWN (GRANT)	44,085	2,910	2,910	5,819	0
SPARTA, TOWN OF (MONROE)	85,839	5,665	5,665	11,331	0
SPIRIT, TOWN OF (PRICE)	36,708	2,790	2,423	5,213	525
SPRING LAKE, TOWN OF (PIERCE)	59,739	3,943	3,943	7,886	0
SPRINGDALE, TOWN OF (DANE)	73,497	4,851	4,851	9,702	0
SPRINGFIELD, TOWN OF (DANE)	160,651	10,603	10,603	21,206	0
SPRINGFIELD, TOWN OF (JACKSON)	46,725	4,112	3,084	7,196	55,057
ST GERMAIN, TOWN OF (VILAS)	292,999	19,338	19,338	38,676	0
STANTON, TOWN OF (DUNN)	71,328	4,708	4,708	9,415	0
STETTIN, TOWN OF (MARATHON)	165,099	10,897	10,897	21,793	0
STOCKTON, TOWN OF (PORTAGE)	177,585	11,721	11,721	23,441	0
STRONGS PRAIRIE, TOWN OF(ADMS)	31,701	2,092	2,092	4,185	0
SUGAR CREEK, TOWN OF(WALWORTH)	111,299	7,346	7,346	14,691	0
SULLIVAN, TOWN OF (JEFFERSON)	85,078	5,615	5,615	11,230	0
SUMMIT, TOWN OF (DOUGLAS)	96,358	6,360	6,360	12,719	0
SUMMIT, TOWN OF (JUNEAU)	52,851	3,488	3,488	6,976	0
SUMNER, TOWN OF (BARRON)	40,147	2,650	2,650	5,299	0
SUPERIOR, TOWN OF (DOUGLAS)	118,264	7,805	7,805	15,611	0
TAINTER, TOWN OF (DUNN)	134,724	8,892	8,892	17,784	0
THERESA, TOWN OF (DODGE)	78,098	5,154	5,154	10,309	0
THREE LAKES, TOWN OF (ONEIDA)	696,702	54,440	45,983	100,423	0
TIFFANY, TOWN OF (DUNN)	45,191	2,983	2,983	5,965	0
TRADE LAKE, TOWN OF (BURNETT)	54,348	3,587	3,587	7,174	0
TREMPELEAU, TOWN (TREMPELEAU)	135,485	8,942	8,942	17,884	0
TRENTON, TOWN OF (WASHINGTON)	198,428	13,691	13,096	26,787	0
TROY, TOWN OF (WALWORTH)	114,665	8,600	7,568	16,168	3,422



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
TURTLE LAKE, TOWN OF (BARRON)	50,750	3,349	3,349	6,699	0
UNITY, TOWN OF (CLARK)	32,690	2,158	2,158	4,315	0
VERMONT, TOWN OF (DANE)	52,659	3,475	3,475	6,951	0
VERNON, TOWN OF (WAUKESHA)	520,432	38,268	34,349	72,617	0
VERONA, TOWN OF (DANE)	243,899	16,097	16,097	32,195	0
VIENNA, TOWN OF (DANE)	158,476	10,459	10,460	20,919	0
VIROQUA, TOWN OF (VERNON)	133,647	9,222	8,821	18,042	714
WABENO, TOWN OF (FOREST)	62,552	4,879	4,128	9,007	28,334
WALWORTH, TOWN OF (WALWORTH)	82,148	6,079	5,422	11,501	10,585
WARREN, TOWN OF (ST CROIX)	40,580	2,678	2,678	5,357	0
WASCOTT, TOWN OF (DOUGLAS)	212,608	14,341	14,032	28,373	0
WASHINGTON, TOWN OF (DOOR)	432,022	31,419	28,514	59,933	0
WASHINGTON, TOWN OF (LACROSSE)	50,297	3,320	3,320	6,639	0
WASHINGTON, TOWN OF (VILAS)	121,188	7,998	7,998	15,997	0
WASHINGTON, TOWN OF (EAUCLAIRE)	332,624	21,953	21,953	43,906	0
WATERFORD, TOWN OF (RACINE)	1,024,447	85,568	67,614	153,182	0
WAUKESHA, TOWN OF (WAUKESHA)	355,713	28,578	23,477	52,055	0
WAYNE, TOWN OF (LAFAYETTE)	56,762	3,746	3,746	7,493	0
WESCOTT, TOWN OF (SHAWANO)	247,532	16,337	16,337	32,674	0
WEST BEND, TOWN OF (WASHINGTON)	167,099	11,029	11,029	22,057	0
WEST POINT, TOWN OF (COLUMBIA)	23,000	1,518	1,518	3,036	0
WEST SWEDEN, TOWN OF (POLK)	43,363	2,862	2,862	5,724	0
WESTPORT, TOWN OF (DANE)	505,117	33,338	33,338	66,675	0
WHEATLAND, TOWN OF (VERNON)	54,910	3,624	3,624	7,248	0
WHEATON, TOWN OF (CHIPPEWA)	111,031	7,328	7,328	14,656	0
WILSON, TOWN OF (SHEBOYGAN)	148,540	9,804	9,804	19,607	0
WILTON, TOWN OF (MONROE)	42,297	2,792	2,792	5,583	0
WINTER, TOWN OF (SAWYER)	149,060	9,838	9,838	19,676	0
WIOTA, TOWN OF (LAFAYETTE)	40,628	2,681	2,681	5,363	0
WOODRUFF, TOWN OF (ONEIDA)	555,559	45,795	36,667	82,462	0
YORKVILLE, TOWN OF (RACINE)	99,873	6,592	6,592	13,183	0
Total Towns (254)	72,856,871	5,549,298	4,808,572	10,357,870	1,317,815
Counties					
ADAMS COUNTY	12,102,406	850,545	798,763	1,649,308	0
ASHLAND COUNTY	7,005,398	498,725	462,360	961,085	0
BARRON COUNTY	15,086,217	1,049,596	995,697	2,045,293	0
BAYFIELD COUNTY	8,036,059	565,192	530,384	1,095,576	0
BROWN COUNTY	73,647,730	5,244,447	4,860,772	10,105,220	0
BUFFALO COUNTY	5,056,528	351,726	333,734	685,459	0
BURNETT COUNTY	7,086,114	496,810	467,687	964,496	0
CALUMET COUNTY	13,442,417	937,474	887,204	1,824,679	0
CHIPPEWA COUNTY	18,476,595	1,283,152	1,219,460	2,502,612	0
CLARK COUNTY	20,181,284	1,378,514	1,331,971	2,710,484	0
COLUMBIA COUNTY	24,436,725	1,697,072	1,612,830	3,309,902	0
CRAWFORD COUNTY	6,530,926	472,963	431,043	904,006	0
DANE COUNTY	153,134,044	11,258,025	10,106,902	21,364,926	0
DODGE COUNTY	39,751,249	2,732,896	2,623,594	5,356,490	0
DOOR COUNTY	17,803,853	1,323,278	1,175,059	2,498,337	0
DOUGLAS COUNTY	14,174,084	1,096,165	935,494	2,031,659	0
DUNN COUNTY	21,305,587	1,470,705	1,406,176	2,876,881	0
EAU CLAIRE COUNTY	27,080,193	1,890,798	1,787,304	3,678,102	0
FLORENCE COUNTY	3,333,407	242,298	220,006	462,304	0
FOND DU LAC COUNTY	38,890,198	2,681,334	2,566,766	5,248,101	0
FOREST COUNTY	4,649,497	338,521	306,868	645,389	0
GRANT COUNTY	16,564,103	1,146,097	1,093,236	2,239,333	0
GREEN COUNTY	16,889,139	1,189,212	1,114,690	2,303,901	0
GREEN LAKE COUNTY	8,767,768	612,620	578,677	1,191,297	0
IOWA COUNTY	9,805,105	700,770	647,140	1,347,909	0
IRON COUNTY	4,356,577	306,716	287,536	594,252	0
JACKSON COUNTY	8,583,517	603,314	566,516	1,169,830	0
JEFFERSON COUNTY	26,673,049	1,957,879	1,760,428	3,718,307	0
JUNEAU COUNTY	12,063,429	880,381	796,190	1,676,570	0
KENOSHA COUNTY	54,998,853	3,895,634	3,629,939	7,525,573	0



Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
KEWAUNEE COUNTY	7,575,726	541,021	500,000	1,041,022	0
LA CROSSE COUNTY	50,876,045	3,436,201	3,357,821	6,794,022	0
LAFAYETTE COUNTY	12,029,374	838,453	793,943	1,632,396	0
LANGLADE COUNTY	7,602,227	532,295	501,749	1,034,044	0
LINCOLN COUNTY	16,734,793	1,161,286	1,104,504	2,265,790	0
MANITOWOC COUNTY	23,259,252	1,660,199	1,535,117	3,195,315	0
MARATHON COUNTY	41,811,389	2,929,972	2,759,567	5,689,539	0
MARINETTE COUNTY	16,884,519	1,179,713	1,114,383	2,294,096	0
MARQUETTE COUNTY	8,235,788	590,679	543,564	1,134,243	0
MENOMINEE COUNTY	3,414,230	237,023	225,341	462,365	0
MONROE COUNTY	16,065,265	1,103,559	1,060,313	2,163,872	0
OCONTO COUNTY	12,873,755	905,519	849,672	1,755,192	0
ONEIDA COUNTY	13,540,852	967,484	893,701	1,861,185	0
OUTAGAMIE COUNTY	56,269,705	3,881,836	3,713,818	7,595,653	0
OZAUKEE COUNTY	27,736,976	1,923,366	1,830,649	3,754,015	0
PEPIN COUNTY	4,007,187	291,414	264,476	555,890	0
PIERCE COUNTY	14,417,729	1,035,405	951,574	1,986,979	0
POLK COUNTY	19,866,975	1,369,701	1,311,227	2,680,928	0
PORTAGE COUNTY	25,821,853	1,803,897	1,704,249	3,508,146	0
PRICE COUNTY	6,424,021	455,284	423,988	879,272	0
RACINE COUNTY	41,598,120	3,282,133	2,745,485	6,027,618	0
RICHLAND COUNTY	11,442,962	784,242	755,242	1,539,484	0
ROCK COUNTY	59,894,237	4,289,836	3,953,043	8,242,879	0
RUSK COUNTY	16,445,616	1,138,288	1,085,416	2,223,703	0
SAUK COUNTY	29,100,426	2,104,253	1,920,637	4,024,891	0
SAWYER COUNTY	8,548,676	610,221	564,216	1,174,437	0
SHAWANO COUNTY	15,349,228	1,127,496	1,013,055	2,140,551	0
SHEBOYGAN COUNTY	39,654,337	2,760,713	2,617,199	5,377,912	0
ST CROIX COUNTY	28,587,877	2,043,395	1,886,808	3,930,204	0
TAYLOR COUNTY	8,375,418	587,500	552,781	1,140,281	0
TREMPEALEAU COUNTY	21,633,533	1,470,465	1,427,823	2,898,288	0
VERNON COUNTY	11,080,798	773,129	731,337	1,504,466	0
VILAS COUNTY	8,988,377	653,339	593,235	1,246,575	0
WALWORTH COUNTY	42,625,600	3,007,339	2,813,302	5,820,641	0
WASHBURN COUNTY	7,671,986	550,415	506,354	1,056,769	0
WASHINGTON COUNTY	34,457,251	2,425,527	2,274,187	4,699,714	0
WAUKESHA COUNTY	82,778,356	5,815,069	5,463,402	11,278,470	0
WAUPACA COUNTY	21,005,473	1,468,396	1,386,368	2,854,763	0
WAUSHARA COUNTY	12,683,078	911,336	837,083	1,748,419	0
WINNEBAGO COUNTY	52,160,979	3,720,227	3,442,642	7,162,870	0
WOOD COUNTY	26,457,275	1,819,361	1,746,193	3,565,554	0
Total Counties (71)	1,655,899,315	117,339,845	109,289,891	226,629,736	0
School Districts					
ABBOTSFORD SCHOOL DISTRICT	3,391,619	223,846	223,848	447,694	0
ADAMS-FRIENDSHIP AREA SCH DIST	10,616,660	700,696	700,703	1,401,399	0
ALBANY SCHOOL DISTRICT	2,480,035	163,681	163,684	327,365	0
ALGOMA SCHOOL DISTRICT	3,933,413	259,603	259,608	519,211	0
ALMA CENTER-HUMBRD-MERIL SCH D	3,512,757	231,841	231,843	463,684	0
ALMA SCHOOL DISTRICT	1,761,796	116,278	116,279	232,557	0
ALMOND-BANCROFT SCHOOL DIST	2,531,306	167,065	167,068	334,132	0
ALTOONA SCHOOL DISTRICT	9,133,307	602,795	602,802	1,205,597	0
AMERY SCHOOL DISTRICT	10,318,782	681,036	681,044	1,362,079	0
ANTIGO UNIFIED SCHOOL DISTRICT	13,590,642	896,978	896,986	1,793,965	0
APPLETON AREA SCHOOL DISTRICT	90,249,176	5,956,412	5,956,479	11,912,891	0
ARBOR VITAE-WOODRUFF JSD #1	3,035,311	200,329	200,332	400,661	0
ARCADIA SCHOOL DISTRICT	7,352,489	485,262	485,267	970,529	0
ARGYLE SCHOOL DISTRICT	1,726,103	113,922	113,923	227,846	0
ARROWHEAD UNION HIGH SCH DIST	13,163,324	868,776	868,783	1,737,559	0
ASHLAND SCHOOL DISTRICT	11,932,069	787,512	787,522	1,575,033	0
ASHWAUBENON SCHOOL DISTRICT	18,582,152	1,226,416	1,226,428	2,452,844	0
ATHENS SCHOOL DISTRICT	2,289,303	151,092	151,096	302,188	0
AUBURNDALE SCHOOL DISTRICT	3,705,624	244,570	244,572	489,142	0
AUGUSTA SCHOOL DISTRICT	4,345,576	286,806	286,810	573,616	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
BALDWIN-WOODVILLE AREA SCH DIS	9,844,856	649,756	649,765	1,299,521	0
BANGOR SCHOOL DISTRICT	3,520,005	232,319	232,322	464,641	0
BARABOO SCHOOL DISTRICT	18,740,040	1,236,836	1,236,849	2,473,685	0
BARNEVELD SCHOOL DISTRICT	2,544,979	167,968	167,969	335,937	0
BARRON AREA SCHOOL DISTRICT	8,502,227	561,144	561,150	1,122,294	0
BAYFIELD SCHOOL DISTRICT	4,230,434	279,208	279,210	558,417	0
BEAVER DAM UNIFIED SCHOOL DIST	21,221,673	1,400,621	1,400,640	2,801,261	0
BEECHER DUNBAR PEMBINE SCH DIS	1,693,141	111,747	111,748	223,495	0
BELLEVILLE SCHOOL DISTRICT	5,706,521	376,627	376,633	753,261	0
BELMONT COMMUNITY SCHOOL DIST	2,264,016	149,424	149,426	298,850	0
BELOIT SCHOOL DISTRICT	39,495,041	2,606,659	2,606,686	5,213,345	0
BELOIT TURNER SCHOOL DISTRICT	8,845,345	583,789	583,797	1,167,586	0
BENTON SCHOOL DISTRICT	1,484,591	97,982	97,984	195,966	0
BERLIN AREA SCHOOL DISTRICT	9,579,604	632,251	632,257	1,264,508	0
BIG FOOT UHS SCH DIST	3,125,922	206,311	206,311	412,622	0
BIRCHWOOD SCHOOL DISTRICT	2,076,070	137,020	137,021	274,041	0
BLACK HAWK SCHOOL DISTRICT	2,577,930	170,143	170,144	340,287	0
BLACK RIVER FALLS SCH DIST	10,829,154	714,718	714,731	1,429,448	0
BLAIR-TAYLOR SCHOOL DISTRICT	3,385,683	223,454	223,456	446,910	0
BLOOMER SCHOOL DISTRICT	6,151,276	405,981	405,987	811,968	0
BONDUEL SCHOOL DISTRICT	4,567,723	301,468	301,471	602,940	0
BOSCOBEL SCHOOL DISTRICT	5,405,681	356,773	356,777	713,550	0
BOWLER SCHOOL DISTRICT	2,533,004	167,177	167,179	334,356	0
BOYCEVILLE COMMUNITY SCH DIST	4,258,227	281,042	281,044	562,086	0
BRIGHTON SCH DIST #1	830,416	54,807	54,808	109,615	0
BRILLION PUBLIC SCHOOL DIST	5,140,530	339,274	339,276	678,550	0
BRISTOL, TOWN, SCH DIST #1	3,672,923	242,412	242,414	484,826	0
BRODHEAD SCHOOL DISTRICT	6,226,272	410,932	410,936	821,868	0
BROWN DEER SCHOOL DISTRICT	11,002,368	726,152	726,160	1,452,313	0
BRUCE SCHOOL DISTRICT	2,910,364	192,083	192,085	384,168	0
BURLINGTON AREA SCHOOL DIST	20,150,551	1,329,930	1,329,943	2,659,873	0
BUTTERNUT SCHOOL DISTRICT	1,474,091	97,290	97,291	194,580	0
CADOTT COMM SCHOOL DISTRICT	4,757,462	313,989	313,996	627,985	0
CAMBRIA-FRIESLAND SCHOOL DIST	2,670,746	208,317	176,270	384,588	352,728
CAMBRIDGE SCHOOL DISTRICT	5,667,362	374,044	374,048	748,092	5,631
CAMERON SCHOOL DISTRICT	6,065,517	400,321	400,327	800,648	0
CAMPBELLSPORT SCHOOL DISTRICT	8,027,029	529,779	529,789	1,059,568	0
CASHTON SCHOOL DISTRICT	3,491,503	230,438	230,441	460,878	0
CASSVILLE SCHOOL DISTRICT	1,535,681	101,355	101,355	202,710	0
CEDAR GROVE-BELGIUM SCH DIST	5,910,242	390,074	390,078	780,152	0
CEDARBURG SCHOOL DISTRICT	17,409,909	1,149,049	1,149,059	2,298,108	0
CHEQUAMEGON SCHOOL DISTRICT	4,655,039	307,231	307,234	614,465	0
CHETEK-WEYERHAEUSER AREA SD	6,491,391	428,428	428,435	856,864	0
CHILTON SCHOOL DISTRICT	6,776,818	447,268	447,272	894,540	0
CHIPPEWA FALLS AREA UNIF SCH	28,092,202	1,854,077	1,854,094	3,708,171	0
CLAYTON SCHOOL DISTRICT	2,513,644	165,900	165,901	331,801	0
CLEAR LAKE SCHOOL DISTRICT	3,651,093	240,970	240,974	481,944	0
CLINTON COMMUNITY SCHOOL DIST	7,150,901	471,956	471,963	943,919	0
CLINTONVILLE PUBLIC SCH DIST	9,084,759	599,590	599,598	1,199,188	0
COCHRANE-FOUNTAIN CITY SCH DIS	3,591,941	237,066	237,070	474,136	0
COLBY SCHOOL DISTRICT	3,900,160	257,409	257,412	514,821	0
COLEMAN SCHOOL DISTRICT	3,665,215	241,903	241,905	483,808	0
COLFAX SCHOOL DISTRICT	4,761,335	314,245	314,251	628,496	0
COLUMBUS SCHOOL DISTRICT	6,776,025	447,215	447,220	894,435	0
CORNELL SCHOOL DISTRICT	2,493,111	164,544	164,547	329,091	0
CRANDON SCHOOL DISTRICT	5,967,197	393,834	393,836	787,670	0
CRIVITZ SCHOOL DISTRICT	3,395,477	224,100	224,103	448,203	0
CUBA CITY SCHOOL DISTRICT	4,411,364	291,148	291,152	582,300	0
CUDAHY SCHOOL DISTRICT	17,899,168	1,181,338	1,181,352	2,362,690	0
CUMBERLAND SCHOOL DISTRICT	5,493,960	362,599	362,604	725,203	0
DARLINGTON COMM SCHOOL DIST	4,802,394	316,956	316,960	633,916	0
DC EVEREST AREA SCHOOL DIST	35,668,105	2,354,086	2,354,104	4,708,190	0
DEERFIELD COMM SCHOOL DISTRICT	4,794,722	316,450	316,454	632,903	0
DEFOREST AREA SCHOOL DISTRICT	20,569,841	1,357,600	1,357,619	2,715,219	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions			Total	Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid		
DELANAV-DARIEN SCHOOL DISTRICT	15,162,982	1,000,753	1,000,761	2,001,514	0
DENMARK SCHOOL DISTRICT	8,153,893	538,154	538,159	1,076,314	0
DEPERE UNIFIED SCHOOL DISTRICT	22,476,529	1,483,436	1,483,466	2,966,902	0
DESOTO AREA SCHOOL DISTRICT	3,281,017	216,545	216,549	433,094	0
DODGELAND SCHOOL DISTRICT	5,402,877	356,589	356,591	713,180	0
DODGEVILLE SCHOOL DISTRICT	8,171,134	539,291	539,298	1,078,590	0
DRUMMOND SCHOOL DISTRICT	2,353,110	155,304	155,306	310,611	0
DURAND-ARKANSAW SCHOOL DIST	4,956,837	327,149	327,154	654,303	0
EAST TROY COMMUNITY SCH DIST	9,541,074	629,708	629,714	1,259,422	0
EAU CLAIRE AREA SCHOOL DIST	63,072,217	4,162,766	4,162,766	8,325,533	0
EDGAR SCHOOL DISTRICT	3,125,426	206,278	206,279	412,556	0
EDGERTON SCHOOL DISTRICT	10,765,817	710,540	710,548	1,421,088	0
ELCHO SCHOOL DISTRICT	2,498,207	164,881	164,882	329,763	0
ELEVA-STRUM SCHOOL DISTRICT	3,637,211	240,053	240,058	480,112	0
ELK MOUND AREA SCHOOL DISTRICT	6,267,519	413,655	413,657	827,313	0
ELKHART LAKE-GLENBEULAH SCH DS	3,016,785	199,107	199,109	398,216	0
ELKHORN AREA SCHOOL DISTRICT	18,558,256	1,224,842	1,224,848	2,449,690	0
ELLSWORTH COMM SCH DIST	9,233,527	609,409	609,417	1,218,826	0
ELMBROOK SCHOOL DISTRICT	49,299,927	3,253,780	3,253,810	6,507,590	0
ELMWOOD SCHOOL DISTRICT	2,379,709	157,060	157,062	314,122	0
ERIN SCH DIST #2	1,415,781	93,441	93,442	186,883	0
EVANSVILLE COMM SCH DIST	11,027,475	727,809	727,817	1,455,627	0
FALL CREEK SCHOOL DISTRICT	4,386,086	289,481	289,483	578,963	0
FALL RIVER SCHOOL DISTRICT	2,348,276	154,986	154,987	309,972	0
FENNIMORE COMMUNITY SCH DIST	5,449,117	359,640	359,644	719,283	0
FLAMBEAU SCHOOL DISTRICT	3,484,437	229,971	229,974	459,946	0
FLORENCE COUNTY SCH DIST	3,149,056	207,837	207,839	415,675	0
FOND DU LAC SCHOOL DISTRICT	43,641,857	2,880,348	2,880,377	5,760,725	0
FONTANA JT SCH DIST #8 ETAL	1,950,737	128,748	128,749	257,497	0
FORT ATKINSON SCHOOL DISTRICT	17,776,360	1,173,234	1,173,245	2,346,480	0
FOX POINT JT SCH DIST # 2 ETAL	6,556,109	432,701	432,706	865,406	0
FRANKLIN PUBLIC SCHOOL DIST	28,663,277	1,891,769	1,891,783	3,783,553	0
FREDERIC SCHOOL DISTRICT	3,074,224	202,897	202,900	405,798	0
FREEDOM AREA SCHOOL DISTRICT	9,078,050	599,148	599,154	1,198,303	0
FRIESS LAKE SCHOOL DISTRICT	861,661	56,869	56,870	113,739	0
GALESVILLE SCHOOL DISTRICT ETAL	8,438,771	556,955	556,963	1,113,918	0
GENEVA JT SCH DIST #4 ETAL	905,146	59,739	59,740	119,479	0
GENOA CITY JT SCH DIST #2 ETAL	3,209,901	211,852	211,855	423,707	0
GERMANTOWN SCHOOL DISTRICT	24,924,550	1,645,013	1,645,028	3,290,041	0
GIBRALTAR AREA SCHOOL DISTRICT	5,480,221	361,693	361,696	723,389	0
GILLETT SCHOOL DISTRICT	3,398,783	224,318	224,322	448,639	0
GILMAN SCHOOL DISTRICT	2,079,142	137,223	137,224	274,447	0
GILMANTON SCHOOL DISTRICT	742,009	48,972	48,973	97,945	0
GLENDALE-RIVER HILLS SCH DIST	7,739,921	510,833	510,837	1,021,670	0
GLENWOOD CITY SCHOOL DISTRICT	4,074,763	268,933	268,936	537,869	0
GOODMAN-ARMSTRONG SCHOOL DIST	860,459	56,790	56,791	113,581	0
GRAFTON SCHOOL DISTRICT	12,721,882	839,640	839,649	1,679,288	0
GRANTON AREA SCHOOL DISTRICT	1,640,173	108,251	108,252	216,503	0
GRANTSBURG SCHOOL DISTRICT	5,744,393	379,128	379,132	758,260	0
GREEN BAY AREA PUBLIC SCHOOLS	143,833,905	9,493,012	9,493,064	18,986,075	0
GREEN LAKE SCHOOL DISTRICT	2,051,257	135,382	135,384	270,766	0
GREENDALE SCHOOL DISTRICT	17,795,319	1,174,485	1,174,498	2,348,982	0
GREENFIELD SCHOOL DISTRICT	20,789,860	1,372,125	1,372,136	2,744,262	0
GREENWOOD SCHOOL DISTRICT	2,446,647	161,478	161,479	322,957	0
GRESHAM SCHOOL DIST	1,868,117	123,295	123,296	246,591	0
HAMILTON SCHOOL DISTRICT	27,438,710	1,810,946	1,810,964	3,621,910	0
HARTFORD JT SCH DIST #1 ETAL	9,871,887	651,539	651,550	1,303,089	0
HARTFORD UNION HIGH SCH DIST	8,739,436	576,800	576,806	1,153,605	0
HARTLAND JT SCH DIST #3 ETAL	7,091,322	468,025	468,029	936,054	0
HAYWARD COMMUNITY SCHOOL DIST	10,150,141	669,905	669,913	1,339,819	0
HERMAN-NEOSHO-RUBICAN SD	2,223,204	146,730	146,733	293,463	0
HIGHLAND SCHOOL DISTRICT	1,418,889	93,645	93,648	187,293	0
HILBERT SCHOOL DISTRICT	2,746,949	181,298	181,300	362,597	0
HILLSBORO SCHOOL DISTRICT	3,360,237	221,774	221,777	443,551	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
HOLMEN SCHOOL DISTRICT	26,829,095	1,770,715	1,770,726	3,541,441	0
HORICON SCHOOL DISTRICT	4,411,513	291,158	291,161	582,320	0
HORTONVILLE AREA SCHOOL DIST	19,360,164	1,277,764	1,277,778	2,555,542	0
HOWARDS GROVE SCHOOL DISTRICT	5,365,421	354,115	354,120	708,236	0
HOWARD-SUAMICO SCHOOL DISTRICT	30,082,582	1,985,440	1,985,461	3,970,901	0
HUDSON SCHOOL DISTRICT	34,954,591	2,306,992	2,307,014	4,614,006	0
HURLEY SCHOOL DISTRICT	3,631,201	239,658	239,661	479,319	0
HUSTISFORD SCHOOL DISTRICT	2,740,572	180,877	180,879	361,756	0
INDEPENDENCE SCHOOL DISTRICT	2,332,459	153,942	153,943	307,885	0
IOLA-SCANDINAVIA SCHOOL DIST	3,801,976	250,929	250,932	501,861	0
IOWA-GRANT SCHOOL DISTRICT	5,155,921	340,289	340,293	680,582	0
ITHACA SCHOOL DISTRICT	2,577,915	170,141	170,143	340,285	0
JANESVILLE SCHOOL DISTRICT	66,266,305	4,373,553	4,373,600	8,747,152	0
JEFFERSON SCHOOL DISTRICT	11,768,657	776,727	776,735	1,553,463	0
JOHNSON CREEK SCHOOL DISTRICT	4,096,474	270,366	270,369	540,735	0
JUDA SCHOOL DISTRICT	1,549,391	102,260	102,260	204,520	0
KANSASVILLE DOVER DIST #1	601,775	39,717	39,717	79,434	0
KAUKAUNA AREA SCHOOL DISTRICT	21,806,629	1,439,228	1,439,247	2,878,475	0
KENOSHA UNIFIED SCH DIST #1	144,464,731	9,534,655	9,534,690	19,069,344	0
KETTLE MORAINES SCHOOL DISTRICT	25,421,573	1,677,816	1,677,832	3,355,648	0
KEWASKUM SCHOOL DISTRICT	10,799,020	712,732	712,738	1,425,471	0
KEWAUNEE SCHOOL DISTRICT	5,434,433	358,671	358,674	717,345	0
KICKAPOO AREA SCHOOL DISTRICT	3,015,649	199,032	199,034	398,066	0
KIEL AREA SCHOOL DISTRICT	7,753,521	511,730	511,735	1,023,465	0
KIMBERLY AREA SCHOOL DISTRICT	25,749,956	1,699,489	1,699,505	3,398,994	0
KOHLER SCHOOL DISTRICT	4,152,051	274,035	274,036	548,071	0
LA CROSSE SCHOOL DISTRICT	51,187,460	3,378,359	3,378,386	6,756,745	0
LAC DU FLAMBEAU SCH DIST #1	5,714,484	377,154	377,158	754,312	0
LADYSMITH-HAWKINS SCH DIST	5,513,917	363,916	363,921	727,837	0
LAFARGE SCHOOL DISTRICT	1,913,788	126,309	126,311	252,620	0
LAKE COUNTRY SCH DIST	3,056,968	201,759	201,761	403,520	0
LAKE GENEVA JT SCH DIS #1 ETAL	11,370,869	750,474	750,481	1,500,955	0
LAKE GENEVA SCHOOL DISTRICT	9,966,102	657,759	657,767	1,315,525	0
LAKE HOLCOMBE SCHOOL DISTRICT	2,136,602	141,015	141,017	282,031	0
LAKE MILLS AREA SCHOOL DIST	7,910,135	522,067	522,071	1,044,138	0
LAKELAND UNION HIGH SCH DIST	5,776,509	381,249	381,251	762,499	0
LANCASTER COMM SCH DIST	5,990,350	395,361	395,365	790,726	0
LAONA SCHOOL DISTRICT	1,614,424	106,551	106,553	213,104	0
LENA PUBLIC SCHOOL DISTRICT	2,049,054	135,237	135,239	270,475	0
LINN JT SCH DIST #4 ETAL	947,891	62,561	62,561	125,122	0
LINN JT SCH DIST #6 ETAL	709,283	46,813	46,813	93,625	0
LITTLE CHUTE AREA SCHOOL DIST	8,866,430	585,183	585,186	1,170,369	0
LODI SCHOOL DISTRICT	9,741,552	642,940	642,945	1,285,885	0
LOMIRA SCHOOL DISTRICT	6,132,499	404,743	404,747	809,490	0
LOYAL SCHOOL DISTRICT	2,904,696	191,709	191,710	383,420	0
LUCK SCHOOL DISTRICT	3,020,045	199,322	199,324	398,646	0
LUXEMBURG-CASCO SCHOOL DIST	8,948,023	590,566	590,572	1,181,139	0
MADISON METRO SCHOOL DISTRICT	217,121,739	14,329,999	14,330,071	28,660,070	0
MANAWA SCHOOL DISTRICT	3,930,400	259,405	259,408	518,813	0
MANITOWOC PUBLIC SCHOOL DIST	32,489,589	2,144,306	2,144,320	4,288,626	0
MAPLE DALE-INDIAN HILL SCH DIS	3,666,845	242,011	242,013	484,024	0
MAPLE SCHOOL DISTRICT	7,527,752	496,828	496,836	993,663	0
MARATHON CITY SCHOOL DISTRICT	3,107,506	205,094	205,096	410,191	0
MARINETTE SCHOOL DISTRICT	10,754,752	709,809	709,818	1,419,627	0
MARION SCHOOL DISTRICT	1,960,954	129,422	129,424	258,846	0
MARKESAN SCHOOL DISTRICT	4,543,421	299,865	299,867	599,732	0
MARSHALL JT SCH DIST #2 ETAL	7,120,959	469,981	469,986	939,967	0
MARSHFIELD UNIFIED SCHOOL DIST	22,397,345	1,478,219	1,478,231	2,956,450	0
MAUSTON SCHOOL DISTRICT	8,393,371	553,960	553,965	1,107,925	0
MAYVILLE SCHOOL DISTRICT	7,176,147	473,625	473,627	947,251	0
MCFARLAND SCHOOL DISTRICT	16,100,797	1,062,646	1,062,659	2,125,305	0
MEDFORD AREA PUBLIC SCHL DIST	12,650,961	834,959	834,968	1,669,927	0
MELLEN SCHOOL DISTRICT	1,197,113	79,009	79,010	158,019	0
MELROSE-MINDORO SCHOOL DIST	4,549,237	300,248	300,251	600,499	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
MENASHA JOINT SCHOOL DISTRICT	21,546,989	1,422,094	1,422,109	2,844,203	0
MENOMINEE INDIAN SCHOOL DIST	7,700,863	508,254	508,260	1,016,514	0
MENOMONEE FALLS SCHOOL DISTRICT	27,599,743	1,821,573	1,821,593	3,643,166	0
MENOMONIE AREA SCHOOL DISTRICT	18,048,639	1,191,204	1,191,216	2,382,420	0
MEQUON-THIENSVILLE SCHOOL DIST	22,776,327	1,503,231	1,503,244	3,006,475	0
MERCER SCHOOL DISTRICT	1,383,466	91,308	91,309	182,617	0
MERRILL AREA COMMON PUB SCH	16,689,563	1,101,506	1,101,516	2,203,022	0
MERTON COMMUNITY SCHOOL DIST	4,539,435	299,601	299,604	599,205	0
MIDDLETON-CROSS PLNS SCH DIST	46,705,153	3,082,514	3,082,567	6,165,080	0
MILTON SCHOOL DISTRICT	19,129,270	1,262,524	1,262,540	2,525,064	0
MILWAUKEE TEACHERS RETIREM SYS	374,885,669	24,742,365	24,742,543	49,484,908	0
MINERAL POINT UNIF SCH DIST	4,263,535	281,390	281,396	562,787	0
MINOCQUA JT SCH DIST #1 M-H-LT	3,767,365	248,644	248,648	497,292	0
MISHICOT SCHOOL DISTRICT	5,153,321	340,117	340,121	680,238	0
MONDOVI SCHOOL DISTRICT	5,764,707	380,468	380,473	760,941	0
MONONA GROVE SCHOOL DISTRICT	19,901,262	1,313,476	1,313,490	2,626,967	0
MONROE SCHOOL DISTRICT	16,015,059	1,056,989	1,056,999	2,113,988	0
MONTELLO SCHOOL DISTRICT	4,628,422	305,472	305,480	610,952	0
MONTICELLO SCHOOL DISTRICT	2,464,455	162,653	162,655	325,308	0
MOSINEE SCHOOL DISTRICT	12,335,333	814,127	814,137	1,628,264	0
MOUNT HOREB AREA SCHOOL DIST	14,322,898	945,307	945,316	1,890,622	0
MUKWONAGO SCHOOL DISTRICT	25,488,397	1,682,223	1,682,246	3,364,468	0
MUSKEGO-NORWAY SCHOOL DISTRICT	28,555,251	1,884,637	1,884,657	3,769,293	0
NECEDAH AREA SCHOOL DISTRICT	4,199,464	277,163	277,166	554,329	0
NEENAH JOINT SCHOOL DISTRICT	36,219,641	2,390,482	2,390,510	4,780,993	0
NEILLSVILLE SCHOOL DISTRICT	4,935,140	325,717	325,721	651,438	0
NEKOOSA SCHOOL DISTRICT	6,592,065	435,073	435,079	870,153	0
NEW AUBURN SCHOOL DISTRICT	2,076,067	137,020	137,021	274,041	0
NEW BERLIN SCHOOL DISTRICT	25,536,566	1,685,405	1,685,422	3,370,827	0
NEW GLARUS SCHOOL DISTRICT	5,568,082	367,492	367,494	734,987	0
NEW HOLSTEIN SCHOOL DISTRICT	6,134,247	404,858	404,863	809,721	0
NEW LISBON SCHOOL DISTRICT	3,793,941	250,397	250,403	500,800	0
NEW LONDON SCHOOL DISTRICT	12,096,829	798,386	798,396	1,596,781	0
NEW RICHMOND SCHOOL DISTRICT	17,979,784	1,186,657	1,186,674	2,373,331	0
NIAGARA SCHOOL DISTRICT	2,675,088	176,555	176,556	353,112	0
NICOLET HIGH SCHOOL DISTRICT	10,616,106	700,659	700,667	1,401,326	0
NORRIS SCHOOL DISTRICT	501,483	33,098	33,098	66,196	(6,987)
NORTH CAPE CONSOLIDATED S D	1,238,025	81,709	81,710	163,419	0
NORTH CRAWFORD SCHOOL DISTRICT	3,004,595	198,302	198,305	396,606	0
NORTH FOND DU LAC SCH DIST	7,380,972	487,141	487,147	974,288	0
NORTH LAKE SCHOOL DISTRICT	1,571,282	103,704	103,705	207,409	0
NORTH LAKELAND SCHOOL DISTRICT	1,395,642	92,112	92,113	184,225	0
NORTHERN OZAUKEE SCHOOL DIST	4,703,286	310,415	310,419	620,834	0
NORTHLAND PINES SCHOOL DIST	9,703,467	640,425	640,433	1,280,858	0
NORTHWOOD SCHOOL DISTRICT	2,561,787	169,077	169,079	338,156	0
NORWALK-ONTARIO SCHOOL DIST	4,472,654	295,194	295,197	590,390	0
NORWAY-RAYMOND JT#7 SD	473,197	37,382	31,231	68,614	70,694
OAK CREEK-FRANKLIN JT SCH DIST	36,007,614	2,376,491	2,376,514	4,753,005	0
OAKFIELD SCHOOL DISTRICT	3,229,195	213,126	213,128	426,254	0
OCONOMOWOC AREA SCHOOL DIST	24,061,306	1,588,037	1,588,056	3,176,092	0
OCONTO FALLS PUBLIC SCH DIST	10,127,663	668,422	668,429	1,336,852	0
OCONTO UNIFIED SCHOOL DISTRICT	6,676,519	440,647	440,653	881,301	0
OMRO SCHOOL DISTRICT	7,084,100	467,549	467,553	935,101	0
ONALASKA SCHOOL DISTRICT	18,581,426	1,226,367	1,226,381	2,452,748	0
OOSTBURG SCHOOL DISTRICT	5,543,757	365,886	365,890	731,776	0
OREGON SCHOOL DISTRICT	25,054,220	1,653,570	1,653,588	3,307,157	0
OSCEOLA SCHOOL DISTRICT	10,824,381	714,405	714,413	1,428,818	0
OSHKOSH AREA SCHOOL DISTRICT	60,823,569	4,014,336	4,014,375	8,028,711	0
OSSEO-FAIRCHILD SCHOOL DIST	5,337,565	352,277	352,282	704,559	0
OWEN-WITHEE SCHOOL DISTRICT	2,864,806	189,076	189,078	378,154	0
PALMYRA-EAGLE AREA SCHOOL DIST	5,353,337	353,318	353,322	706,640	0
PARDEEVILLE AREA SCHOOL DIST	4,923,621	384,041	324,961	709,001	559,735
PARIS JT SCH DIST #1 ETAL	1,148,986	75,833	75,833	151,666	0
PARKVIEW SCHOOL DISTRICT	5,274,582	348,120	348,125	696,245	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Total	Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid			
PECATONICA AREA SCHOOL DIST	3,113,533	205,492	205,494		410,986	0
PEPIN AREA SCHOOL DISTRICT	1,793,772	118,388	118,390		236,778	0
PESHTIGO SCHOOL DISTRICT	6,408,462	422,957	422,960		845,917	0
PEWAUKEE SCHOOL DISTRICT	16,077,797	1,061,130	1,061,139		2,122,269	0
HELPS SCHOOL DISTRICT	1,360,192	89,772	89,773		179,545	0
PHILLIPS SCHOOL DISTRICT	4,533,248	299,193	299,196		598,389	0
PITTSVILLE SCHOOL DISTRICT	3,403,910	224,656	224,660		449,316	0
PLATTEVILLE SCHOOL DISTRICT	9,144,942	603,563	603,570		1,207,132	0
PLUM CITY SCHOOL DISTRICT	1,306,884	86,254	86,255		172,509	0
PLYMOUTH JOINT SCHOOL DISTRICT	13,561,942	895,081	895,095		1,790,176	0
PORT EDWARDS SCHOOL DISTRICT	2,329,226	153,728	153,730		307,458	0
PORT WASHINGTON-SAUKVILLE SCH	16,803,104	1,108,999	1,109,011		2,218,010	0
PORTAGE COMMUNITY SCHOOL DIST	13,850,169	914,102	914,120		1,828,222	0
POTOSI SCHOOL DISTRICT	2,371,954	156,548	156,550		313,098	0
POYNETTE SCHOOL DISTRICT	6,189,986	408,536	408,543		817,078	0
PRAIRIE DU CHIEN AREA SCH DIST	7,832,797	516,963	516,967		1,033,929	0
PRAIRIE FARM PUBLIC SCH DIST	2,238,752	147,757	147,759		295,515	0
PRENTICE SCHOOL DISTRICT	2,614,859	172,580	172,582		345,161	0
PRESCOTT SCHOOL DISTRICT	8,410,769	555,107	555,115		1,110,221	0
PRINCETON SCHOOL DISTRICT	1,994,819	131,657	131,659		263,316	0
PULASKI COMMUNITY SCHOOL DIST	23,336,446	1,540,197	1,540,214		3,080,411	0
RACINE UNIFIED SCHOOL DISTRICT	137,001,261	9,042,056	9,042,110		18,084,166	0
RANDALL JT SCH DIST #1 ETAL	3,667,737	242,069	242,072		484,141	0
RANDOLPH SCHOOL DISTRICT	3,326,755	219,565	219,567		439,132	0
RANDOM LAKE SCHOOL DISTRICT	5,470,912	361,078	361,082		722,160	0
RAYMOND SCH DIST #14	2,405,118	158,737	158,739		317,476	0
REEDSBURG SCHOOL DISTRICT	16,804,931	1,109,121	1,109,130		2,218,251	0
REEDSVILLE SCHOOL DISTRICT	3,560,955	235,022	235,025		470,046	0
RHINELANDER SCHOOL DISTRICT	13,692,756	903,718	903,726		1,807,444	0
RIB LAKE SCHOOL DISTRICT	2,525,588	166,688	166,689		333,378	0
RICE LAKE AREA SCHOOL DISTRICT	13,979,023	922,609	922,622		1,845,231	0
RICHFIELD JSD #1	1,677,987	110,746	110,748		221,494	0
RICHLAND SCHOOL DISTRICT	8,026,068	529,717	529,724		1,059,441	0
RICHMOND SCHOOL DISTRICT	2,291,316	151,222	151,232		302,454	0
RIO COMMUNITY SCHOOL DISTRICT	3,052,325	201,452	201,455		402,907	0
RIPON AREA SCHOOL DISTRICT	9,707,672	640,704	640,709		1,281,413	0
RIVER FALLS SCHOOL DISTRICT	17,827,249	1,176,589	1,176,608		2,353,197	0
RIVER RIDGE SCHOOL DISTRICT	3,333,747	220,026	220,029		440,055	0
RIVER VALLEY SCHOOL DISTRICT	8,247,125	544,307	544,313		1,088,620	0
RIVERDALE SCHOOL DISTRICT	3,462,427	228,519	228,521		457,040	0
ROSENDALE-BRANDON SCHOOL DIST	5,618,293	370,805	370,810		741,615	0
ROSHOLT SCHOOL DISTRICT	3,092,239	204,086	204,090		408,176	0
ROYALL SCHOOL DISTRICT	3,385,093	223,414	223,418		446,832	0
SALEM SCHOOL DISTRICT	5,618,951	443,895	370,853		814,748	523,052
SAUK PRAIRIE SCHOOL DISTRICT	16,458,134	1,086,230	1,086,243		2,172,474	0
SENECA SCHOOL DISTRICT	1,692,868	111,728	111,731		223,459	0
SEVASTOPOL SCHOOL DISTRICT	3,925,153	259,059	259,061		518,120	0
SEYMOUR COMMUNITY SCHOOL DIST	12,947,634	854,539	854,549		1,709,088	0
SHARON JT SCH DIST # 11 ETAL	1,621,646	107,028	107,029		214,057	0
SHAWANO SCHOOL DIST	13,741,608	906,940	906,953		1,813,892	0
SHEBOYGAN AREA SCHOOL DISTRICT	65,445,050	4,319,364	4,319,383		8,638,747	0
SHEBOYGAN FALLS SCHOOL DIST	10,292,112	679,277	679,282		1,358,559	0
SHELL LAKE SCHOOL DISTRICT	4,228,091	279,054	279,054		558,108	0
SHIOCTON SCHOOL DISTRICT	4,360,399	287,784	287,789		575,573	0
SHOREWOOD SCHOOL DISTRICT	15,385,293	1,015,424	1,015,435		2,030,859	0
SHULLSBURG SCHOOL DISTRICT	2,237,603	176,770	147,683		324,453	132,120
SILVER LAKE JT SCH DIS #1 ETAL	2,603,748	171,846	171,848		343,695	0
SIREN SCHOOL DISTRICT	2,956,703	195,142	195,143		390,285	0
SLINGER SCHOOL DISTRICT	15,536,190	1,025,383	1,025,394		2,050,777	0
SOLO SPRINGS SCHOOL DISTRICT	1,884,430	124,372	124,373		248,745	0
SOMERSET SCHOOL DISTRICT	9,385,134	619,415	619,422		1,238,838	0
SOUTH MILWAUKEE SCHOOL DIST	20,809,042	1,373,387	1,373,407		2,746,794	0
SOUTH SHORE SCHOOL DISTRICT	1,457,085	96,167	96,168		192,335	0
SOUTHERN DOOR COUNTY SCH DIST	6,595,822	435,322	435,327		870,649	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
SOUTHWESTERN WISC COMM SCH DIS	2,643,788	174,489	174,491	348,980	0
SPARTA AREA SCHOOL DISTRICT	15,941,416	1,052,126	1,052,141	2,104,267	0
SPENCER SCHOOL DISTRICT	3,563,369	235,180	235,184	470,365	0
SPOONER AREA SCHOOL DISTRICT	6,408,987	422,991	422,995	845,986	0
SPRING VALLEY SCHOOL DISTRICT	4,318,773	285,035	285,043	570,078	0
ST CROIX CENTRAL SCH DIST	8,418,184	555,597	555,603	1,111,200	0
ST CROIX FALLS SCHOOL DISTRICT	7,004,994	462,327	462,332	924,659	0
ST FRANCIS SCHOOL DISTRICT #6	6,441,083	425,111	425,112	850,223	0
STANLEY-BOYD AREA SCHOOL DIST	5,829,129	384,720	384,725	769,445	0
STEVENS POINT AREA PUB SCH DIS	42,381,572	2,797,171	2,797,196	5,594,367	0
STOCKBRIDGE SCH DIST	1,158,728	76,476	76,477	152,952	0
STONE BANK SCHOOL DISTRICT	2,467,634	162,862	162,865	325,728	0
STOUGHTON AREA SCHOOL DISTRICT	20,088,183	1,325,812	1,325,828	2,651,640	0
STRATFORD SCHOOL DISTRICT	4,596,162	303,345	303,349	606,693	0
STURGEON BAY SCHOOL DISTRICT	8,282,900	546,669	546,674	1,093,343	0
SUN PRAIRIE AREA SCH DIS	52,117,594	3,439,740	3,439,783	6,879,522	0
SUPERIOR SCHOOL DISTRICT	29,638,137	1,956,108	1,956,126	3,912,234	0
SURING PUBLIC SCHOOL DISTRICT	2,586,733	170,723	170,726	341,449	0
SWALLOW SCHOOL DISTRICT	2,861,663	188,868	188,871	377,740	0
THORP SCHOOL DISTRICT	3,431,377	226,469	226,472	452,942	0
THREE LAKES SCHOOL DISTRICT	4,307,469	284,292	284,294	568,586	0
TIGERTON SCHOOL DISTRICT	1,210,473	79,891	79,891	159,782	0
TOMAH AREA SCHOOL DISTRICT	17,588,230	1,160,817	1,160,829	2,321,646	0
TOMAHAWK SCHOOL DISTRICT	7,393,742	487,983	487,991	975,974	0
TOMORROW RIVER SCHOOL DISTRICT	6,127,784	404,432	404,436	808,868	0
TREVOR-WILMOT CONS GR S.D.	3,491,585	230,443	230,446	460,889	0
TRI-COUNTY AREA SCH DIST-PLNFD	4,061,373	268,049	268,052	536,101	0
TURTLE LAKE SCHOOL DISTRICT	2,628,273	173,465	173,467	346,932	0
TWIN LAKES SCH DIST #4	2,418,155	159,598	159,599	319,196	0
TWO RIVERS PUBLIC SCHOOL DIST	10,455,412	690,054	690,060	1,380,114	0
UNION GROVE JT SCH DIS #1 ETAL	4,775,502	315,181	315,185	630,366	0
UNION GROVE UNION HIGH SCH DIS	5,153,710	340,144	340,146	680,290	0
UNITY SCHOOL DISTRICT	6,127,624	404,421	404,425	808,846	0
VALDERS AREA SCHOOL DISTRICT	6,047,952	399,162	399,167	798,330	0
VERONA AREA SCHOOL DISTRICT	36,135,268	2,384,918	2,384,937	4,769,855	0
VIROQUA AREA SCHOOL DISTRICT	6,430,360	424,401	424,407	848,808	0
WABENO AREA SCHOOL DISTRICT	3,217,429	212,349	212,352	424,701	0
WALWORTH JT SCH DIST # 1 ETAL	2,721,824	179,640	179,641	359,281	0
WASHBURN SCHOOL DISTRICT	3,874,602	255,723	255,725	511,448	0
WASHINGTON SCHOOL DISTRICT	598,792	46,107	39,521	85,627	76,392
WASHINGTON-CALDWELL SCH DIST	1,083,918	71,538	71,539	143,077	0
WATERFORD UNION HIGH SCH DIST	7,541,834	497,760	497,763	995,522	0
WATERFORD VIL JT SCH DIST #1	7,011,075	462,728	462,733	925,462	0
WATERLOO SCHOOL DISTRICT	4,629,797	305,565	305,568	611,133	0
WATERTOWN UNIFIED SCHOOL DIST	21,972,797	1,450,196	1,450,213	2,900,409	0
WAUKESHA SCHOOL DISTRICT	82,795,028	5,464,444	5,464,500	10,928,944	0
WAUNAKEE COMMUNITY SCHOOL DIST	25,521,523	1,684,412	1,684,429	3,368,841	0
WAUPACA SCHOOL DISTRICT	14,379,246	949,024	949,036	1,898,060	0
WAUPUN AREA SCHOOL DISTRICT	10,902,998	719,595	719,601	1,439,196	0
WAUSAU SCHOOL DISTRICT	55,026,320	3,631,716	3,631,758	7,263,474	0
WAUSAUKEE SCHOOL DISTRICT	2,876,042	189,817	189,820	379,637	0
WAUTOMA AREA SCHOOL DISTRICT	8,655,874	571,284	571,292	1,142,575	0
WAUWATOSA SCHOOL DISTRICT	42,433,637	2,800,611	2,800,630	5,601,240	0
WAUZEKA JT SCH DIST ETAL	2,220,402	146,545	146,548	293,093	0
WEBSTER SCHOOL DISTRICT	4,389,204	289,685	289,690	579,375	0
WEST ALLIS-WEST MILW SCH DIST	53,235,652	3,513,521	3,513,585	7,027,106	0
WEST BEND JT SCH DIST #1	40,803,968	2,693,048	2,693,076	5,386,124	0
WEST DEPERE SCHOOL DISTRICT	16,917,383	1,116,540	1,116,554	2,233,095	0
WEST SALEM SCHOOL DISTRICT	9,926,691	655,159	655,165	1,310,323	0
WESTBY AREA SCHOOL DISTRICT	6,223,475	410,746	410,753	821,499	0
WESTFIELD SCHOOL DISTRICT	5,137,426	339,067	339,073	678,140	0
WESTON SCHOOL DISTRICT	2,062,086	136,098	136,098	272,195	0
WESTOSHA CENTRAL HIGH SCH DIST	7,366,872	486,213	486,214	972,427	0
WEYAUWEGA-FREMONT SCHOOL DIST	5,315,019	350,789	350,794	701,583	0



CONTRIBUTIONS PAID AND UAAL

Name	Contributions				Unfunded Liability Balance
	Covered Payroll	Employer Paid*	Employee Paid	Total	
WHEATLAND JT SCH DIST #1 ETAL	3,177,385	209,707	209,708	419,415	4,402
WHITE LAKE SCHOOL DISTRICT	1,114,340	73,546	73,547	147,093	0
WHITEFISH BAY SCHOOL DISTRICT	18,028,995	1,189,906	1,189,921	2,379,827	0
WHITEHALL SCHOOL DISTRICT	4,197,763	277,051	277,054	554,105	0
WHITWATER UNIFIED SCHOOL DIST	11,658,088	769,429	769,439	1,538,868	0
WHITNALL SCHOOL DISTRICT	15,453,373	1,019,919	1,019,927	2,039,845	0
WILD ROSE SCHOOL DISTRICT	3,582,037	236,412	236,416	472,829	0
WILLIAMS BAY SCHOOL DISTRICT	3,666,018	241,957	241,958	483,914	0
WILMOT UNION HIGH SCHOOL DIST	8,145,634	537,609	537,614	1,075,224	0
WINNECONNE COMM SCHOOL DIST	8,743,455	577,064	577,072	1,154,136	0
WINTER SCHOOL DISTRICT	2,156,304	142,315	142,317	284,632	0
WISCONSIN DELLS SCHOOL DIST	10,090,668	665,980	665,988	1,331,968	0
WISCONSIN HEIGHTS SCHOOL DIST	4,706,085	310,600	310,604	621,203	0
WISCONSIN RAPIDS SCHOOL DIST	32,597,732	2,151,443	2,151,458	4,302,901	0
WITTENBERG-BIRNAMWOOD SCH DIST	6,498,209	428,878	428,886	857,764	0
WONEWOC & UNION CENTER SCH DIS	2,147,365	141,725	141,727	283,452	0
WRIGHTSTOWN COMMUNITY SCH DIST	6,815,123	449,797	449,799	899,596	0
YORKVILLE JT SCH DIST #2 ETAL	2,294,384	151,428	151,430	302,859	0
Total School Districts (422)	5,136,544,709	339,216,302	339,013,606	678,229,908	1,717,765
Technical Colleges					
BLACKHAWK TECHNICAL COLLEGE	14,955,390	987,056	987,056	1,974,111	0
CHIPPEWA VALLEY TECH COLLEGE	31,953,766	2,108,936	2,108,961	4,217,897	0
FOX VALLEY TECHNICAL COLLEGE	59,612,638	3,934,424	3,934,444	7,868,868	0
GATEWAY TECH COLLEGE	46,491,250	3,068,411	3,068,434	6,136,845	0
LAKESHORE TECHNICAL COLLEGE	18,880,504	1,246,108	1,246,118	2,492,226	0
MADISON AREA TECH COLLEGE	92,244,957	6,088,143	6,088,191	12,176,334	0
MID-STATE TECHNICAL COLLEGE	15,031,364	992,066	992,075	1,984,140	0
MILWAUKEE AREA TECH COLLEGE	113,221,442	7,472,575	7,472,655	14,945,230	0
MORAIN PARK TECHNICAL COLLEGE	25,814,375	1,703,742	1,703,756	3,407,497	0
NICOLET AREA TECHNICAL COLLEGE	11,774,592	777,119	777,128	1,554,246	0
NORTH CENTRAL TECH COLLEGE	25,685,729	1,695,250	1,695,266	3,390,516	0
NORTHEAST WISC TECH COLLEGE	52,142,566	3,441,393	3,441,426	6,882,819	0
SOUTHWEST WISC TECH COLLEGE	12,373,045	816,617	816,625	1,633,242	0
WAUKESHA CO TECHNICAL COLLEGE	40,359,696	2,663,729	2,663,751	5,327,480	0
WESTERN TECH COLLEGE	28,557,093	1,884,767	1,884,769	3,769,536	0
WISCONSIN INDIANHEAD TECH COLL	25,621,658	1,691,020	1,691,039	3,382,059	0
Total Technical Colleges (16)	614,720,064	40,571,357	40,571,692	81,143,048	0
CESAs					
CESA #1	4,192,011	331,168	276,674	607,842	327,799
CESA #2	5,988,721	395,253	395,258	790,511	0
CESA #3, FENNIMORE	1,489,643	98,316	98,317	196,633	0
CESA #4, LACROSSE	2,017,966	133,185	133,187	266,372	0
CESA #5, PORTAGE	9,723,068	768,120	641,725	1,409,845	148,747
CESA #6, OSHKOSH	8,331,755	658,206	549,899	1,208,104	2,104,094
CESA #7, GREEN BAY	7,182,172	474,020	474,026	948,047	0
CESA #8, GILLETT	4,862,892	320,949	320,952	641,902	0
CESA #9, TOMAHAWK	2,109,580	139,232	139,233	278,464	0
CESA #10, CHIPPEWA FALLS	7,837,049	517,243	517,247	1,034,491	0
CESA #11	6,210,267	409,875	409,880	819,755	0
CESA #12, ASHLAND	2,599,038	171,536	171,537	343,073	0
Total CESAs (12)	62,544,163	4,417,102	4,127,936	8,545,038	2,580,639
Total WRS (1,495)	13,705,967,345	1,009,975,766	904,597,730	1,914,573,496	18,034,566

*Includes contributions for WRS, Accumulated Sick Leave Conversion and Duty Disability